

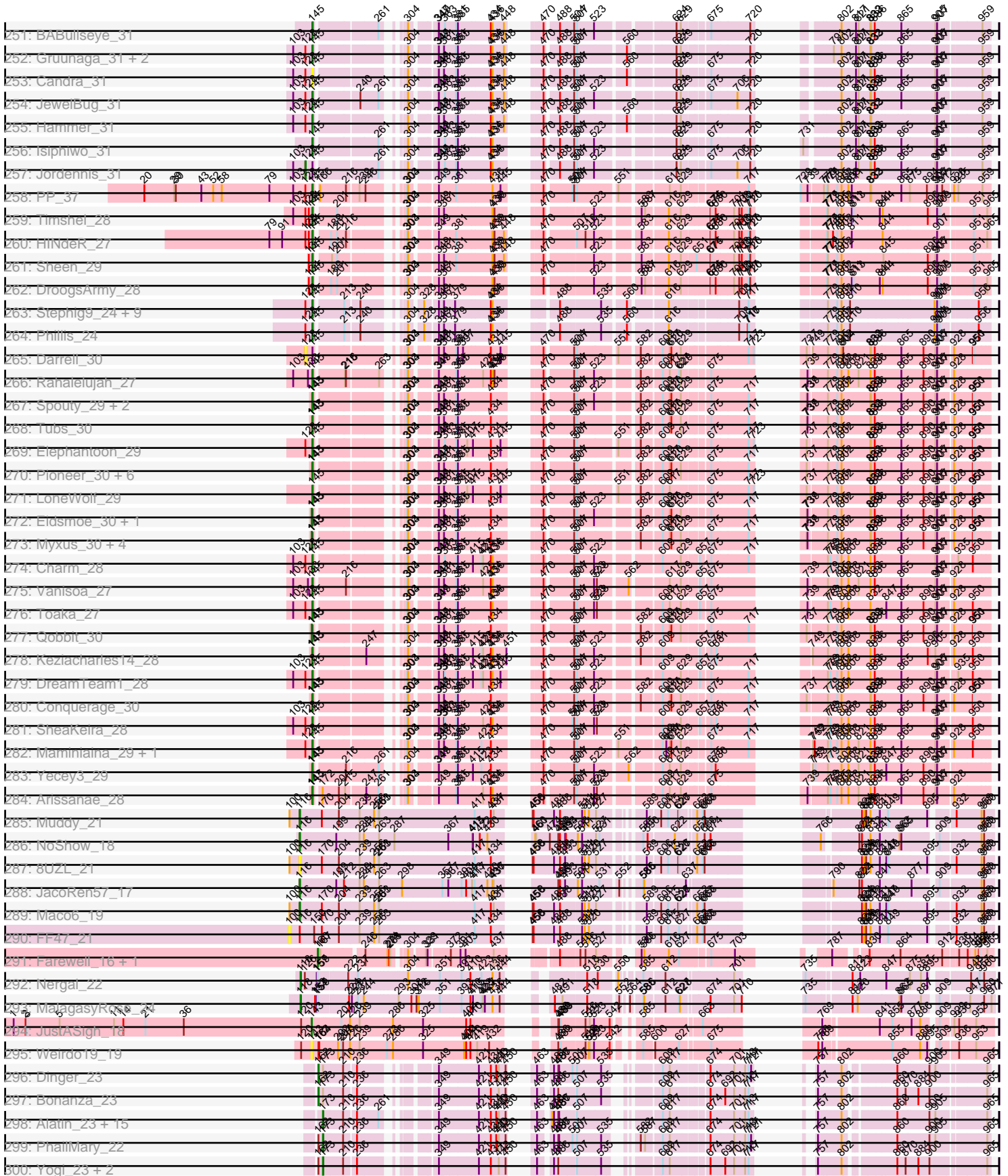
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r51: Changeling_30	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r52: HarryHoudini_30	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r53: CRBT_28	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r54: Phaded_31	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r55: SnapTap_28	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r56: DudeLittle_28	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r57: ArcherM_30	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r58: Iwokeupikedis_29	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r59: Bactobuster_29	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r60: GaugeLDP_30	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r61: JourneyT3_26	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r62: EvilGenius_30	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r63: Rachay_31	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r64: First_0028	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r65: Anthony_27	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r66: HeiDan_27 + 3	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r67: ACFishhook_29 + 3	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r68: Mainiac_29 + 6	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r69: Culiens_29 + 47	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r70: BlueBird_28 + 5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r71: Norbert_27 + 13	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r72: MK4_27	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r73: Groupthink_30 + 7	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r74: Isca_27 + 1	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r75: StepMin_29	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r76: Jobu08_29 + 2	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r77: MA5_27	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r78: Marius_30	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r79: Grum1_29	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r80: JF2_27 + 2	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r81: Dieselweasel_29	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r82: Puppy_28	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r83: JFC117_29	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r84: HashRod_30	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r85: Snickers_29	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r86: OlanP_29	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r87: Phantastic_27	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r88: Phranny_30 + 1	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r89: BabyRay_27	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r90: JenCasina_29	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r91: Hercules11_29	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r92: TNGuyen7_27	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r93: LHTSCC_28 + 5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r94: ICleared_27 + 86	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r95: Kralark_27 + 7	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r96: Badger_27 + 6	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r97: Stasia_28	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r98: TiroTheta9_27	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r99: Miramae_27	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
r200: Perplexer_27	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200

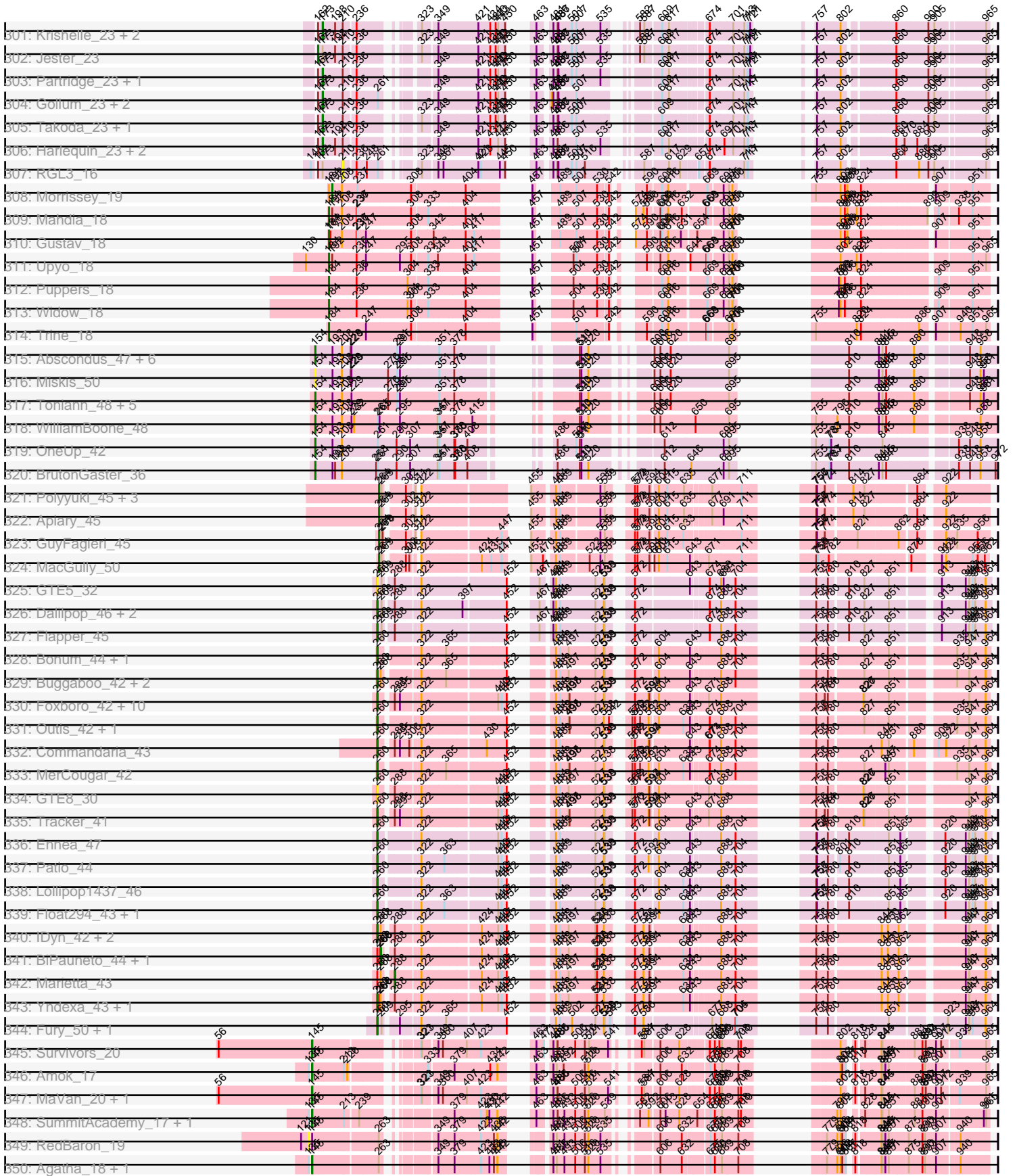
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202: Happiness_27 + 3	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
203: PetiteSangsue_27	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
204: Katalier36_27 + 1	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
205: Shygu2_27	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
206: Shaka_27	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
207: Pumbaa_27	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
208: PeterPeter_27	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
209: Camperdown11_26	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
210: Commander_27	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
211: Stink_28	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
212: Tinybot_26	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
213: Cindarodix_26	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
214: Mundrea_27	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
215: KFPoly_27	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
216: LeoAvram_27	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
217: Bumblebee11_27	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
218: TroyPia_27	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
219: Noelle_27	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
220: AvatarAhPeg_28	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
221: Eurydice_27	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
222: Tarynearal_23 + 2	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
223: Thera_22	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
224: George_23 + 1	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
225: PeterN_25	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
226: Chadwick_25 + 3	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
227: ForGen1_24 + 4	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
228: HumaEnerson15_24	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
229: Jabiru_24	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
230: Swifley_24	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
231: Lev2_24 + 4	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
232: Ghoulboy_24 + 2	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
233: OnionJack_24	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
234: Midas2_24 + 1	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
235: Micasa_23	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
236: PickleBack_24	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
237: EITiger69_24	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
238: Tiger_24	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
239: Airmid_24	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
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241: Dublin_23	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
242: MarysWell_23	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
243: CloudVWang3_31	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
244: GreedyLawyer_31 + 14	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
245: Dorothea_30	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
246: Blinn1_31 + 1	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
247: ToneTone_29 + 12	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
248: Indra_31 + 2	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
249: Ritter_31	198	191	233	261	300	328	369	361	404	470	516	528	580	587	616	700	720	749	806	804	859
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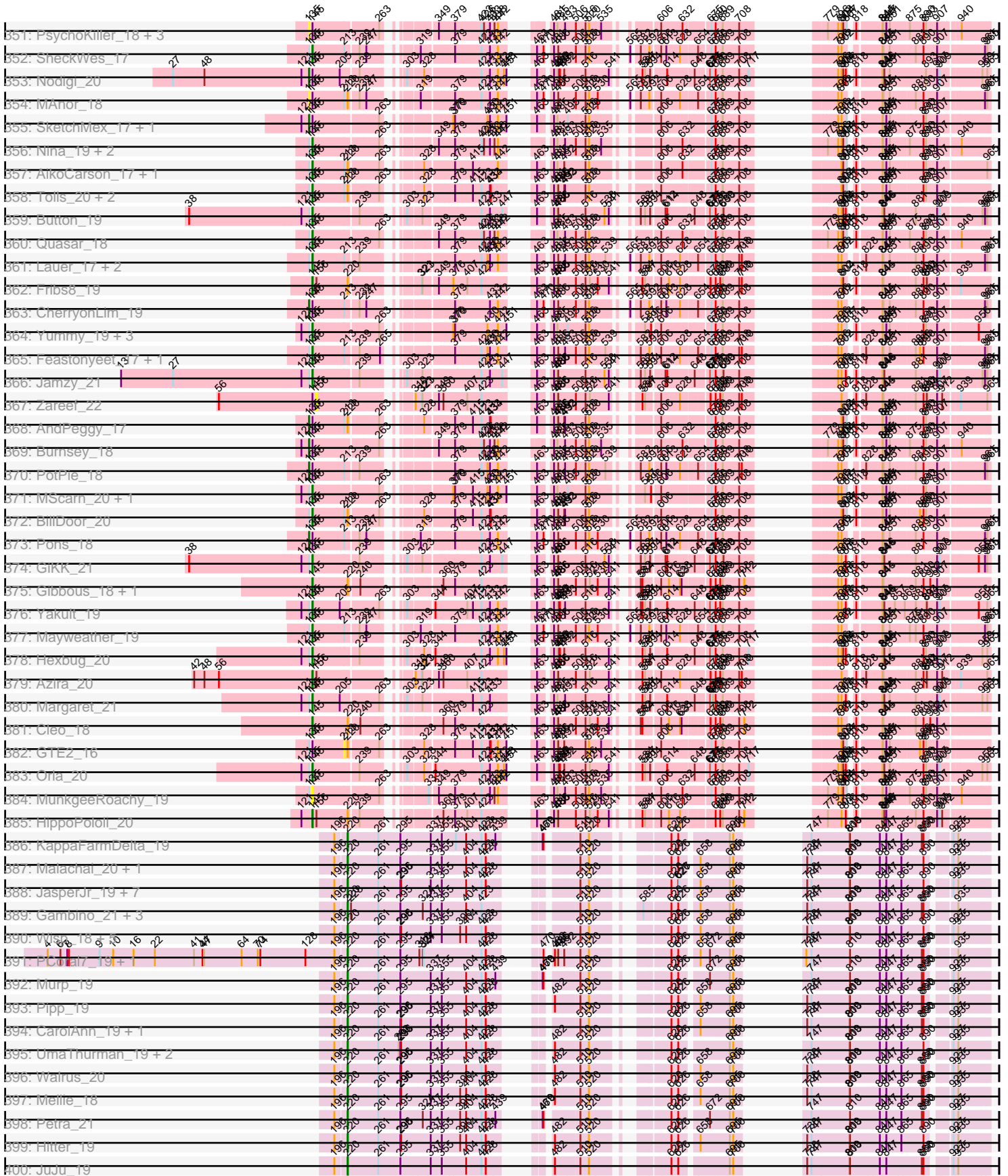
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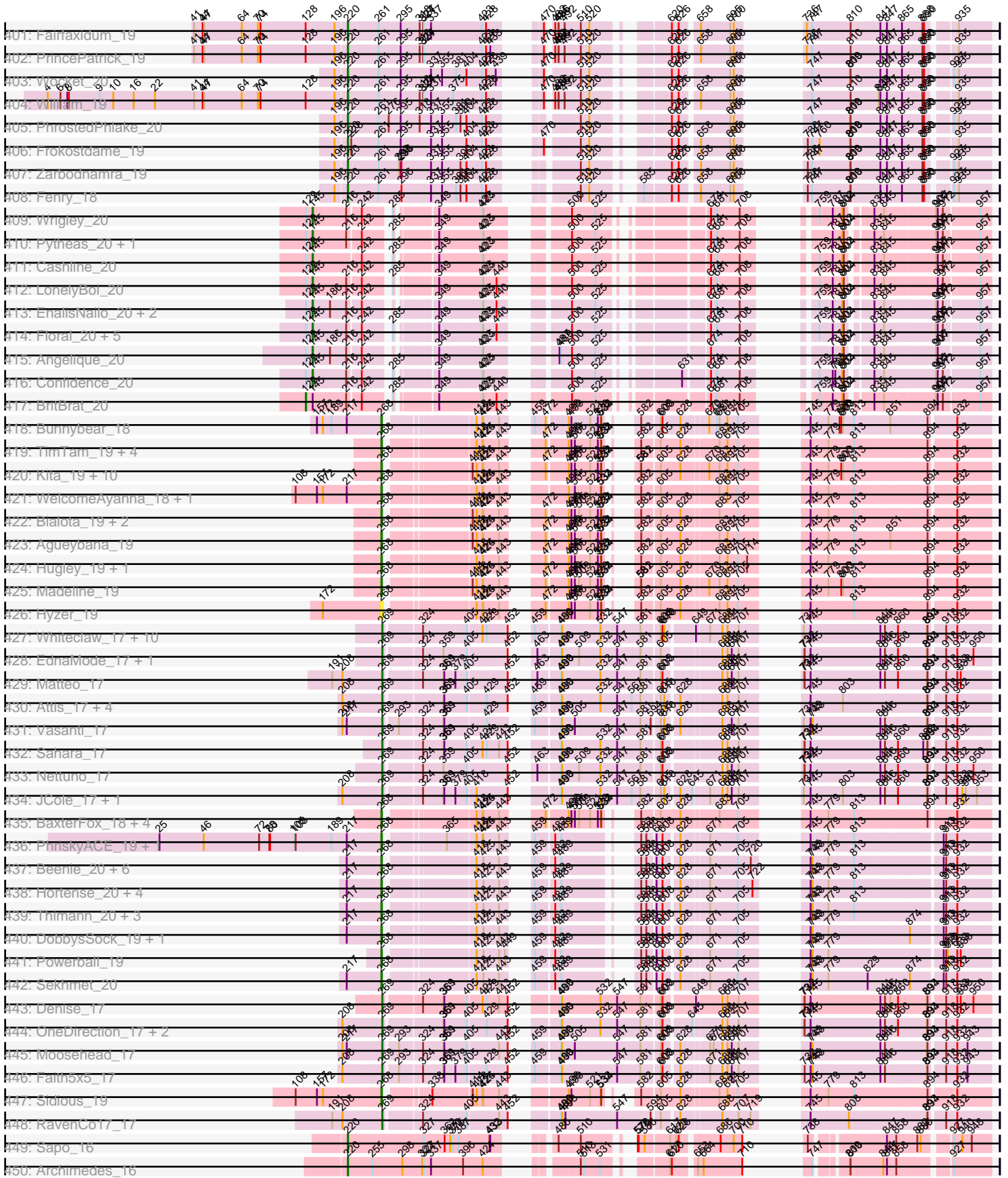
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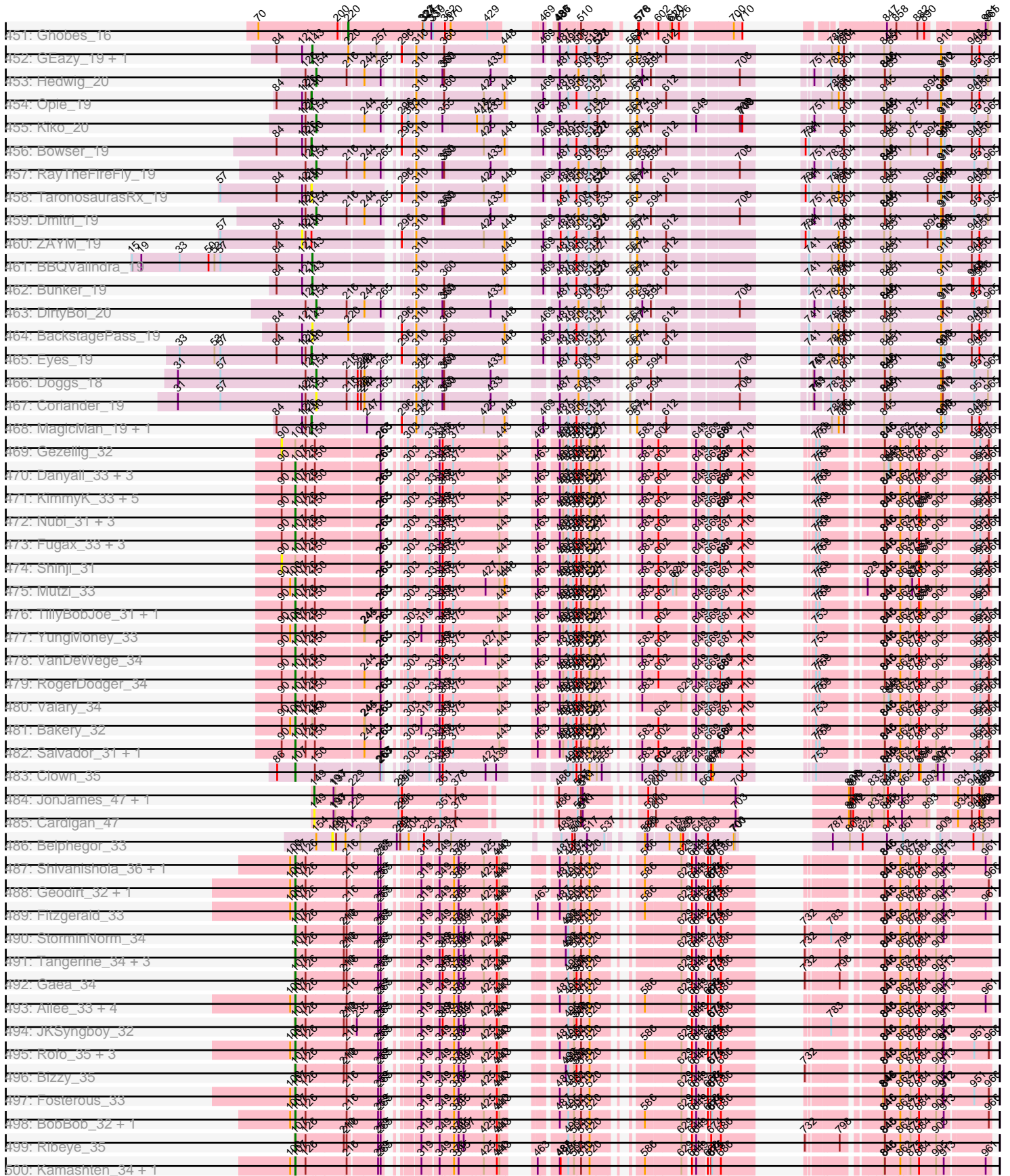
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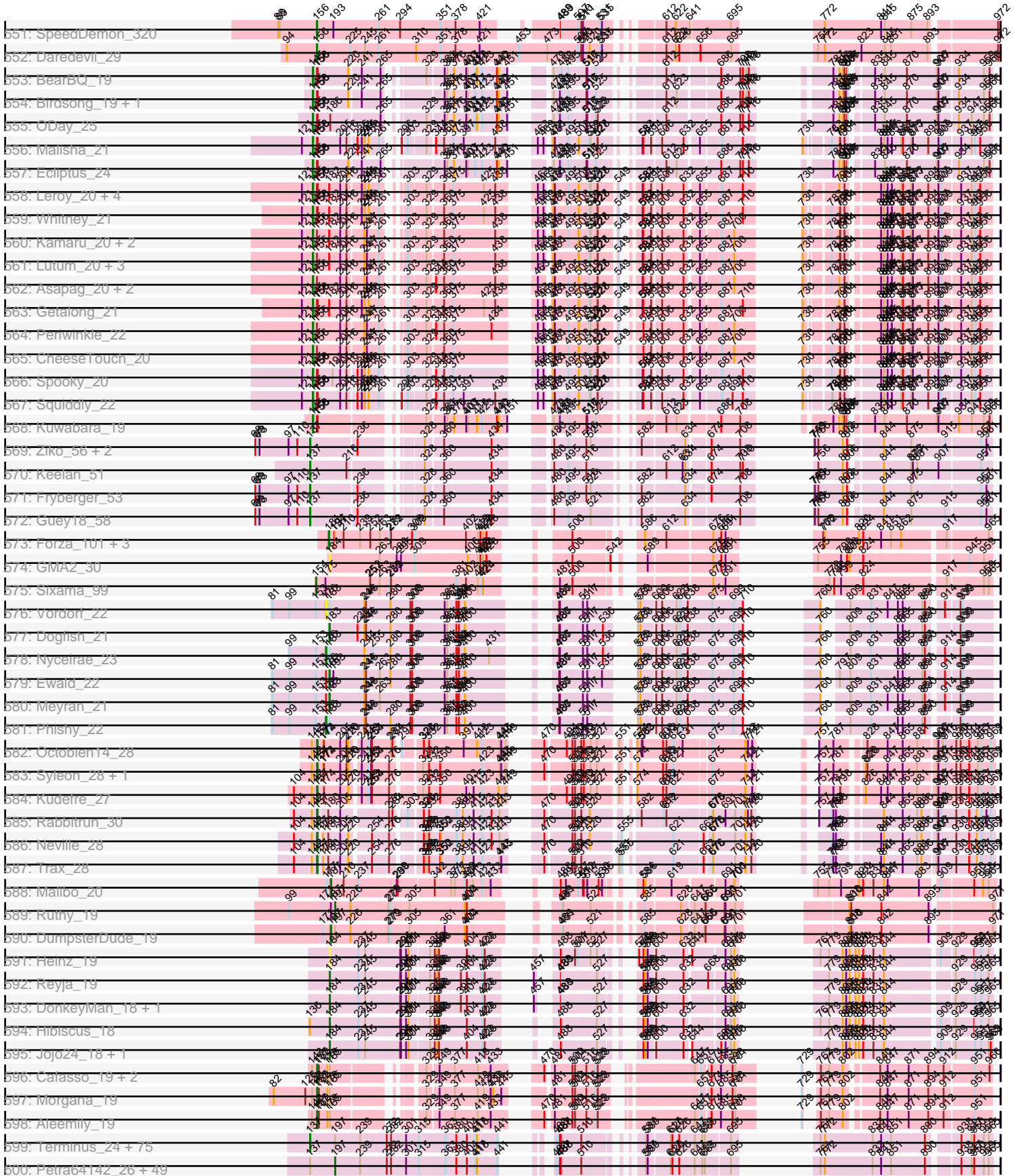
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The following table lists the labels for each row on the left and right sides of the grid:

501: BrandonK123_36	107
502: Lennon_35 + 1	216
503: Ashertheman_35	310
504: Tangent_35	425
505: Bibwit_34	163
506: Flatwoods_35	588
507: Vivi2_37 + 2	732
508: Kroos_35 + 1	796
509: ChadMasterC_35	845
510: Keltabear_35	951
511: Baddon_34 + 1	732
512: Tycho_34	783
513: Baumdotcom_34	732
514: Angeircage_33	732
515: SchottB_33	796
516: YorkOnyx_35	845
517: Charming_35	1488
518: RiverRaider_36	732
519: Stultus_33	783
520: Phauli_26 + 2	588
521: Phinally_33 + 1	701
522: ElMoore_31	732
523: MeiBins_34	783
524: Allf7_31	732
525: EdmundFerry_31 + 2	701
526: Chickadee_32 + 2	732
527: RoadKill_30	732
528: Kwekei_32	701
529: Sampson_35	732
530: DoctorFroggo_34 + 2	732
531: Tardus_36	701
532: Scioto_35 + 2	732
533: Zipp_34	732
534: ViaConnectus_35	732
535: APunk_36	701
536: Zitch_36	732
537: Libbeanie_30	732
538: Lucky10_18	701
539: Phorbephiower_18 + 1	732
540: DelRio_23 + 6	732
541: Ramood_22 + 3	732
542: NancyRae_22	732
543: Pimento_22	732
544: Francois_22	701
545: Bock_22	732
546: Phendrix_87	732
547: GodonK_89	712
548: DatBot_31	732
549: Moilymur_31	712
550: Bantam_30	732

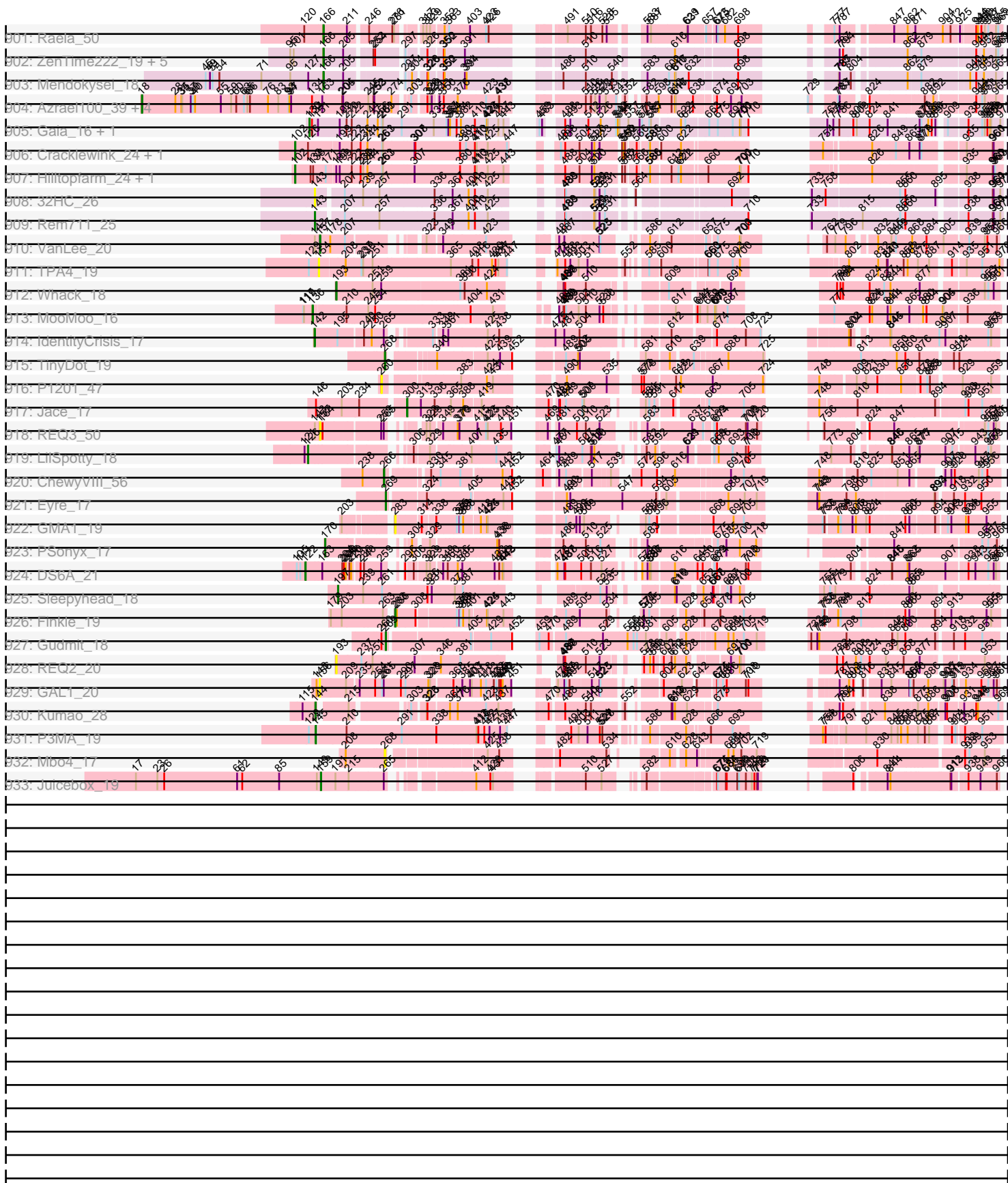
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552: DyoEdaros_19	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
553: Bromden_19	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
554: Chaser_18	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
555: Baudelaire_18 + 1	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
556: Bricole_28	86	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951
557: PegLeg_28 + 9	86	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951
558: Auspice_28	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
559: Reindeer_26	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
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561: MriMagoo_32 + 1	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
562: Estes_33	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
563: Rey_32	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
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565: Nanosmite_32	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
566: Journey_19 + 21	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
567: Jamie19_18 + 13	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
568: Kevin1_18 + 2	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
569: MichelleMyBel_18	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
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573: Comdog_59 + 19	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
574: TelAviv_53 + 2	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
575: Zakhe101_56 + 1	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
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578: Smooch_59	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
579: Ksquared_19 + 27	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
580: Mangelte_19 + 2	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
581: Megiddo_19 + 5	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
582: Poikaroo_19	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
583: GreaseLightnin_19 + 1	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
584: Arib1_19	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
585: Jung_19	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
586: Tortellini_18	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
587: Xavia_19	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
588: Nazo_18	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
589: BigNuz_18	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
590: ThuaThua_18	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
591: Phayonce_18	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
592: Purky_18	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
593: Amymech_22 + 19	75	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951
594: Gravaima_22	75	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951
595: Gancho_21	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
596: Hupniepuli_52 + 7	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
597: Clarkson_51	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
598: Tesla_49 + 6	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
599: Caprice_47	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	
600: Marvin_48	130	225	276	395	448	467	510	538	616	638	666	697	782	842	886	932	951	

Pham 167851



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 167851 Report

This analysis was run 07/09/24 on database version 566.

Pham number 167851 has 2322 members, 176 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_29
- Track 2 : Corvo_28, Rajelicia_27, HermioneGrange_27, MaryBeth_27, Rufus_28, Bethlehem_27, MetalQZJ_27, Arcanine_28, HanShotFirst_27, STLscum_28, Alvin_28
- Track 3 : QTRlifeCrisis_27, Jerm2_28, KSSJEB_27, Bob3_26, Espresso_27, TheloniousMonk_29, Sibs6_29, Mule_27, Lopton_28, Paraselene_26, Teodoridan_25, Adahisdi_28, Abbyshoes_28, PSullivan_29, Big3_27, Tote_29, JuliaChild_29, PhrostyMug_27, Jorgensen_27, Norz_29, Molly_28, Jasper_28, Rohr_28, Ichabod_28, Ashballer_27, Tripl3t_28, BeesKnees_28, Sagefire_28, Target_30, Seabiscuit_29, Dulcie_26, Beatrix_27, Nerujay_28, Pepe_28, Aeneas_29, PattyP_29, Gyzlar_29, JackSparrow_28, BaconJack_29, BigMau_29, Applejack_27, Pippin_29, KyMonks1A_29, GrecoEtereo_29, Kanely_28, Eyeball_27, TwoPeat_28, Kenmech_30, Petp2012_29, Mryolo_26, Ruotula_26, ILeeKay_29, Abrogate_280, Maroc7_26, Rhynn_27, Kugel_28, Bxb1_25, Gandalf20_28, Michley_27, Ciao_27, MPlant7149_26, Ohno789_27, Pita2_29, Acme_29, Makemake_27, Dussy_28, Fascinus_26, Lesedi_26, Marchy_25, Swole_29, Zeeculate_27
- Track 4 : Fushigi_28
- Track 5 : Licorice_29, Ringer_27, Doom_28, Switzer_28, Watermelon_29, AFIS_27, DreamCatcher_30, Sunshine924_26, Marcell_27, Traft412_29, Snazzy_26, GageAP_29, DrFeelGood_26, PherrisBueller_28, Atkinbua_29, Manatee_28, Kykar_25, Oogway_26, Violet_26, RidgeCB_27, BigPaolini_28
- Track 6 : MrGordo_27
- Track 7 : Solon_27, Marsha_27, Scowl_28, Arlo_26, Edtherson_28, Museum_29, Altman_29, PascalRango_26, Conceptll_29, Burton_28, Treddle_29, Frogopper_28, BPBiabs31_28, Monet_29, Chanagan_26, HarryOW_28
- Track 8 : SkiPole_29, SarFire_27, Pari_28, Thor_27
- Track 9 : Briton15_29, Hope4ever_27, Lamina13_27, Tasp14_28
- Track 10 : Squee_28, Fenn_28, Naira_28, Barriga_27, Niza_29
- Track 11 : JC27_29
- Track 12 : DD5_28, Lockley_27
- Track 13 : Bones_27, Smairt_28, PacerPaul_27, KBG_28
- Track 14 : Gwendoluna_30, Papez_29, Payneful_26, StewieG_26, ShortQueendom_26, Zeuska_28
- Track 15 : Ajay_28
- Track 16 : LilBib_28, Seanderson_28, StrongArm_26, Forsytheast_26, Moose_26, Bexan_26, SwissCheese_28, Pelly_28
- Track 17 : Homines_27, Marge_28, Nhonho_27, Wheeler_27

- Track 18 : Trouble_28, Magnito_26, Turj99_26
- Track 19 : BK1_25, A6_25
- Track 20 : Fajezeel_29, SpikeBT_29, Pinto_30, Sumter_26, Dreamboat_28, Greg_29
- Track 21 : CactusRose_26
- Track 22 : Bigfoot_26
- Track 23 : Petruccio_28
- Track 24 : Bruns_26, Parliament_26
- Track 25 : Peterson_30
- Track 26 : Perseus_28
- Track 27 : Zephyr_27
- Track 28 : Smeagol_29
- Track 29 : Dynamix_28, Anglerfish_28, McGuire_28
- Track 30 : Slagathor_28
- Track 31 : Sorpresa_26, Sandaddy_26
- Track 32 : Bircsak_27, Gompeii16_27, Francis47_27
- Track 33 : Topgun_27
- Track 34 : Hermia_30
- Track 35 : Magnar_27
- Track 36 : Rubeus_28, Euphoria_27, Killigrew_25
- Track 37 : PinkPlastic_26, U2_27, Sanya_26, NEHalo_27, Blue_27, BluSpix_27
- Track 38 : Alsfro_31
- Track 39 : Crispicous1_26, BillKnuckles_28
- Track 40 : Graduation_29
- Track 41 : Carlyle_29
- Track 42 : IgnatiusPatJac_26
- Track 43 : Buttons_29
- Track 44 : Paphu_26
- Track 45 : Wilkins_27
- Track 46 : Agaliana_28
- Track 47 : Rutherferd_29
- Track 48 : Hami1_29
- Track 49 : Dexes_28
- Track 50 : Cueylyss_27
- Track 51 : Kristoff_28
- Track 52 : RhynO_28
- Track 53 : Chupacabra_27, OKCentral2016_27, Goose_27
- Track 54 : Topanga_27
- Track 55 : PeaceMeal1_26, KittenMittens_26, Drake94_26, Trike_25, Severus_26
- Track 56 : Eaglepride_28
- Track 57 : Edison31_27, WalterMcMickey_27, Twister_27
- Track 58 : Poompha_26
- Track 59 : Rebeuca_28
- Track 60 : Aneem_28, Et2Brutus_27, Orange_28, Hutc2_28, Lucivia_28, Joselito_28, Jabith_28, Bud_28, Mulciber_28, Munch_28, Petersenfast_27, Salz_28, Ebony_28, Sham4_28, Insomnia_28, Snape_28
- Track 61 : Bachome_28
- Track 62 : Gilberta_28
- Track 63 : Mabel_28
- Track 64 : Bowtie_28
- Track 65 : MaCh_28
- Track 66 : TinyTimmy_27
- Track 67 : Flaverint_28, Fibonacci_28, Timothy_28

- Track 68 : Zimmer_30
- Track 69 : Steamy_29
- Track 70 : DarthPhader_29
- Track 71 : Refuge_31
- Track 72 : Pharaoh_28
- Track 73 : Phlei_23
- Track 74 : Gail_28
- Track 75 : SororFago_28
- Track 76 : Luchador_30
- Track 77 : Jeeves_28
- Track 78 : Anon_28
- Track 79 : ReMo_30, Battleship_31, ShayRa_31, KatherineG_30, Anaysia_30, Boohoo_30, Oofda_31, Strosahl_30, MinecraftSteve_31, JSwag_30, Epsocamisio_30, Waits_30, Nebulosus_30, Looper_31, Remus_30, Rosalind_30, LastResort_30, Soups_30, Switzerland_30
- Track 80 : DekHockey33_30
- Track 81 : Nedarya_29
- Track 82 : EagleEye_30
- Track 83 : PainterBoy_29
- Track 84 : Lucyedi_29
- Track 85 : 40AC_31
- Track 86 : MyraDee_25
- Track 87 : Kimona_24
- Track 88 : Equemioh13_30, Centaur_30, WideWale_30, Updawg_30
- Track 89 : Jaan_31, Landor_29
- Track 90 : JoshKayV_30, ChipMunk_30
- Track 91 : Adzzy_29, Ph8s_29
- Track 92 : D32_31, Naji_31, D29_28
- Track 93 : Piro94_29, NaSiaTalie_28
- Track 94 : NothingSpecial_30
- Track 95 : ANI8_31, VC3_31, AN3_28, C3_26, AN9_31, VA6_28
- Track 96 : Tomathan_31
- Track 97 : DBQu4n_31, Duplo_31
- Track 98 : 20ES_28
- Track 99 : Agape74_30
- Track 100 : BobSwaget_31
- Track 101 : Crucio_28
- Track 102 : TarsusIV_28
- Track 103 : LadyBird_28
- Track 104 : LilTurb_30, Buggy_30, Whabigail7_30, Dignity_30, Jerm_30, AbbyPaige_30, Turbido_30
- Track 105 : BabyBack_30
- Track 106 : EZMoney23_32
- Track 107 : SwirlSquare_30
- Track 108 : Miko_31
- Track 109 : Che12_30
- Track 110 : Kalpine_31
- Track 111 : Colin_32
- Track 112 : Caraxes_27, Superchunk_27
- Track 113 : RedRock_31
- Track 114 : AnnaL29_31
- Track 115 : WeiHuaDA_34
- Track 116 : Loser_31

- Track 117 : Benvolio_28, Echild_28
- Track 118 : Leogania_30
- Track 119 : StarStuff_31, Kerberos_31, Pomar16_31
- Track 120 : Koduck_28, L5_28
- Track 121 : Serenity_27
- Track 122 : Drake55_30
- Track 123 : Fameo_28, QueenB2_28, Heffalump_30
- Track 124 : Leviathan_30
- Track 125 : FiringLine_28, QueenBeesly_28
- Track 126 : Jsquared_27
- Track 127 : TopsytheTRex_27
- Track 128 : Larenn_29, Malec_29
- Track 129 : IronMan_30
- Track 130 : Retro23_28
- Track 131 : Trooper_28
- Track 132 : Dalmatian_28
- Track 133 : XianYue_28
- Track 134 : Pukovnik_30
- Track 135 : Herbertwm_25
- Track 136 : Anselm_28
- Track 137 : Trixie_31
- Track 138 : Acolyte_28
- Track 139 : Smeagan_30
- Track 140 : MiculUcigas_28, Flare16_28
- Track 141 : Power_28, SweetiePie_28, Georgie2_29
- Track 142 : BengiVuitton_29, Deloris_29
- Track 143 : SemperFi_30
- Track 144 : Odin_27
- Track 145 : BiancaTri92_30
- Track 146 : Baehexic_29
- Track 147 : KingCyrus_30
- Track 148 : NicoleTera_32
- Track 149 : Lokk_31
- Track 150 : MissWhite_28
- Track 151 : Changeling_30
- Track 152 : HarryHoudini_30
- Track 153 : CRB1_28
- Track 154 : Phaded_31
- Track 155 : SnapTap_28
- Track 156 : DudeLittle_28
- Track 157 : ArcherNM_30
- Track 158 : Iwokeuplikedis_29
- Track 159 : Bactobuster_29
- Track 160 : GaugeLDP_30
- Track 161 : Journey13_26
- Track 162 : EvilGenius_30
- Track 163 : Rachaly_31
- Track 164 : First_0028
- Track 165 : Anthony_27
- Track 166 : HelDan_27, Heathen_27, Fred313_27, Scout_27
- Track 167 : ACFishhook_29, HaveUMetTed_30, Kalnoky_30, JeppNRM_30
- Track 168 : Mainiac_29, Grif_29, Stagni_29, Sabia_29, BreSam8_29, P28Green_29, MadMarie_29

- Track 169 : Cullens_29, LugYA_31, Phoebe_29, MarQuardt_29, MuchMore_31, LarryKay_29, Daishi_28, Taurus_29, LBerry_29, KADY_30, Wooldri_31, Beauxregard13_29, Louie6_29, Bxz2_28, Farber_29, Tiffany_29, GingkoMaracino_29, Colbster_29, GtownJaz_29, MoneyMay_29, Phoxy_29, PotatoSplit_30, Methuselah_28, Penny1_29, EpicPhail_29, Spike509_29, Aglet_29, Microwolf_29, Pembroke_29, Fernando_29, BuzzBuzz_28, Sabinator_29, AugsMagnumOpus_31, Watson_29, Ollie_29, Lilith_29, AgronaGT15_29, Vix_29, Malinsilva_31, Anubis_31, SoYo_29, Grub_29, Marie_29, Soshari_31, PGHhamlin_31, Misomonster_31, DaHudson_29, Rummer_29
- Track 170 : BlueBird_28, Giroux_27, Idleandcovert_27, SaturnRing_27, Bugatti_27, Pistachio_28
- Track 171 : Norbert_27, Caviar_28, Panamaxus_27, Texage_27, Margo_28, Veracruz_27, Pocahontas_28, ResDef_28, Popcicle_28, Hookmount_28, QuinnKiro_27, Lambert1_28, Todacoro_28, Noella_28
- Track 172 : MK4_27
- Track 173 : Groupthink_30, Kalb97_30, Manu_30, Pawn_30, Gemma_29, PhishRPhriends_28, PurpleHaze_29, Heliosoles_29
- Track 174 : Isca_27, Rockstar_27
- Track 175 : StepMih_29
- Track 176 : Jobu08_29, SoilDragon_29, Zetzy_28
- Track 177 : MA5_27
- Track 178 : Marius_30
- Track 179 : Grum1_29
- Track 180 : JF2_27, JF4_27, B1_25
- Track 181 : Dieselweasel_29
- Track 182 : Puppy_28
- Track 183 : JHC117_29
- Track 184 : HashRod_30
- Track 185 : Snickers_29
- Track 186 : OlanP_29
- Track 187 : Phantastic_27
- Track 188 : Phranny_30, Reba_30
- Track 189 : BabyRay_27
- Track 190 : JenCasNa_29
- Track 191 : Hercules11_29
- Track 192 : TNguyen7_27
- Track 193 : LHTSCC_28, BangNhom_27, Obama12_28, Cerulean_28, ChampagnePapi_28, SheldonCooper_28
- Track 194 : ICleared_27, Holli_27, Skipitt_27, Kingmustik0402_27, Romney_27, Burger_26, Palestino_26, Wilbur_27, Albee_27, Sabertooth_27, Mazhar510_27, Polymorphads_27, Clarenza_27, Cocoaberry_27, Ruin_27, Koreni_26, Annyong_27, Florean_27, Nemo27_27, Dhanush_27, Citius_27, MeeZee_27, Eros_27, YoSam321_27, Scamp_27, Bartimeaus_27, Flux_27, Maverick_27, Phacado_27, JoongJeon_27, Gadost_27, Broseidon_27, NotAPhaseMom_27, LappelDuVide_26, Blackmoor_27, Spino_27, Roosevelt_27, Pipcraft_27, Sparxx_27, Baby16_27, Deano_27, NorthStar_27, Peaches_27, TinaFeyge_27, LittleB_27, Druantia_27, Kampy_27, Funston_27, Taquarus_27, Arturo_26, Lorenzo_27, Relief_27, CentreCat_27, Maxo_27, Morrow_27, Houdini22_27, Wander_27, HamSlice_26, Bombshell_27, Medusa_27, Kremtemulon_26, Iceman_28, Eapen_27, Alberto7_28, JetBlade_27, Connomayer_27, Caelakin_27, LittleGuy_27, Lunsford_28, Ulysses_26, Chaph_27, Wizard007_27, Eagle_26, OKaNui_28, Melvin_27, Abdiel_26, Millski_26, Cintron_27, Phelipe_27, Nebs_27, Lemur_27, Eris_26, TygerBlood_27, BubbleTrouble_27, Jaykayelowell_27, Bruiser_26, Avle17_27

- Track 195 : Kratak_27, Phontbonne_27, BellusTerra_27, Ohfah_27, Nyxis_27, Kyee_27, DirtyDunning_27, Thanksgivukkah_27
- Track 196 : Badger_27, Wile_27, Xena_27, Datway_27, Cici_27, Backyardigan_27, Achebe_26
- Track 197 : Stasia_28
- Track 198 : TiroTheta9_27
- Track 199 : Miramae_27
- Track 200 : Perplexer_27
- Track 201 : AbbysRanger_27
- Track 202 : Happiness_27, Phighter1804_27, Iracema64_28, LochMonster_27
- Track 203 : PetiteSangsue_27
- Track 204 : Katalie136_27, Morpher26_27
- Track 205 : Shygu2_27
- Track 206 : Shaka_27
- Track 207 : Pumbaa_27
- Track 208 : PeterPeter_27
- Track 209 : Camperdownii_26
- Track 210 : Commander_27
- Track 211 : Stink_28
- Track 212 : Tinybot_26
- Track 213 : Cindaradix_26
- Track 214 : Mundrea_27
- Track 215 : KFPoly_27
- Track 216 : LeoAvram_27
- Track 217 : Bumblebee11_27
- Track 218 : TroyPia_27
- Track 219 : Noelle_27
- Track 220 : AvatarAhPeg_28
- Track 221 : Eurydice_27
- Track 222 : Tarynearal_23, Bonamassa_24, Milcery_24
- Track 223 : Theia_22
- Track 224 : George_23, LittleCherry_24
- Track 225 : PetterN_25
- Track 226 : Chadwick_25, Naca_24, Scorpia_25, Benedict_24
- Track 227 : ForGetIt_24, Conspiracy_24, Archetta_24, Bluefalcon_23, Jovo_24
- Track 228 : HuhtaEnerson15_24
- Track 229 : Jabiru_24
- Track 230 : Swirley_24
- Track 231 : Lev2_24, Aragog_24, AgentM_24, Phlorence_24, Discoknowium_24
- Track 232 : Ghoulboy_24, Zolita_23, SydNat_24
- Track 233 : UnionJack_24
- Track 234 : Midas2_24, Coog_24
- Track 235 : Micasa_23
- Track 236 : PickleBack_24
- Track 237 : ElTiger69_24
- Track 238 : Tiger_24
- Track 239 : Airmid_24
- Track 240 : Cuco_24
- Track 241 : Dublin_23
- Track 242 : MarysWell_23
- Track 243 : CloudWang3_31
- Track 244 : GreedyLawyer_31, Kazan_31, VohminGhazi_31, EricB_31, Kipper29_31, Chartreuse_31, DaVinci_31, McFly_31, Cookiedough_31, Hoot_31,

SuperCallie99_31, SuperAwesome_31, Pmask_31, Neeharika16_31, Newrala_31

- Track 245 : Dorothea_30
- Track 246 : Blinn1_31, Priamo_31
- Track 247 : ToneTone_29, Artemis2UCLA_31, Blue7_31, Wiks_31, Koko_31, Lilbunny_30, Yokurt_31, Roksolana_31, Jeffabunny_31, Tucker_31, Zaka_31, Zulu_31, Hexamo_31
- Track 248 : Indra_31, Garak_32, Helmet_32
- Track 249 : Rifter_31
- Track 250 : SmellyB_31
- Track 251 : BABullseye_31
- Track 252 : Gruunaga_31, WunderPhul_31, Gladiator_31
- Track 253 : Candra_31
- Track 254 : JewelBug_31
- Track 255 : Hammer_31
- Track 256 : Isiphiwo_31
- Track 257 : Jordennis_31
- Track 258 : PP_37
- Track 259 : Timshel_28
- Track 260 : HINdeR_27
- Track 261 : Sheen_29
- Track 262 : DroogsArmy_28
- Track 263 : Stephig9_24, Dixon_24, Groundhog_23, Astro_24, Smeadley_24, NearlyHeadless_24, Danforth_23, Expelliarmus_23, Saintus_24, Roary_24
- Track 264 : Phillis_24
- Track 265 : Darrell_30
- Track 266 : Rahalelujah_27
- Track 267 : Spouty_29, Priya_30, EmyBug_30
- Track 268 : Tubs_30
- Track 269 : Elephantoon_29
- Track 270 : Pioneer_30, Fayely_30, Phonnegut_30, Beemo_30, Ugenie5_27, ExplosioNervosa_30, Scherzo_30
- Track 271 : LoneWolf_29
- Track 272 : Eidsmoe_30, Alma_30
- Track 273 : Myxus_30, HortumSL17_30, Aliter_30, PackMan_30, Phaeder_30
- Track 274 : Charm_28
- Track 275 : Vanisoa_27
- Track 276 : Toaka_27
- Track 277 : Qobbit_30
- Track 278 : Keziacharles14_28
- Track 279 : DreamTeam1_28
- Track 280 : Conquerage_30
- Track 281 : SheaKeira_28
- Track 282 : Maminiaina_29, BogosyJay_29
- Track 283 : Yecey3_29
- Track 284 : Arissanae_28
- Track 285 : Muddy_21
- Track 286 : NoShow_18
- Track 287 : 8UZL_21
- Track 288 : JacoRen57_17
- Track 289 : Maco6_19
- Track 290 : FF47_21
- Track 291 : Farewell_16, Sparky_16
- Track 292 : Nergal_22

- Track 293 : MalagasyRose_24
- Track 294 : JustASigh_18
- Track 295 : Weirdo19_19
- Track 296 : Dinger_23
- Track 297 : Bonanza_23
- Track 298 : Alatin_23, Phrankenstein_23, Bradshaw_23, Rhodalysa_23, TWAMP_23, Lillie_23, Erik_23, Espica_23, Naiad_23, Nancinator_23, Swann_23, CosmicSans_23, StCroix_23, Belenaria_23, UhSalsa_23, Natosaleda_23
- Track 299 : PhailMary_22
- Track 300 : Yogi_23, Rasputin_23, Alpacados_22
- Track 301 : Krishelle_23, AppleCloud_21, Hiro_23
- Track 302 : Jester_23
- Track 303 : Partridge_23, Shuman_23
- Track 304 : Gollum_23, RexFury_23, RER2_16
- Track 305 : Takoda_23, AngryOrchard_22
- Track 306 : Harlequin_23, Yoncess_23, Bryce_23
- Track 307 : RGL3_16
- Track 308 : Morrissey_19
- Track 309 : Mahdia_18
- Track 310 : Gustav_18
- Track 311 : Upyo_18
- Track 312 : Puppies_18
- Track 313 : Widow_18
- Track 314 : Trine_18
- Track 315 : Abscondus_47, Norvs_49, Smoothie_49, Culver_48, Lozinak_48, Dusty_46, Engineer_49
- Track 316 : Miskis_50
- Track 317 : Toniann_48, PhinkBoden_48, Aphelion_48, Bachita_50, ClubL_48, Cucurbita_50
- Track 318 : WilliamBoone_48
- Track 319 : OneUp_42
- Track 320 : BrutonGaster_36
- Track 321 : Polyuyki_45, Maselop_45, CoffeeBean_45, Braxoaddie_45
- Track 322 : Apiary_45
- Track 323 : GuyFagieri_45
- Track 324 : MacGully_50
- Track 325 : GTE5_32
- Track 326 : Dalilpop_46, Turuncu_45, GRU1_31
- Track 327 : Flapper_45
- Track 328 : Bonum_44, NosilaM_44
- Track 329 : Buggaboo_42, SuperSulley_42, Kabluna_44
- Track 330 : Foxboro_42, NovumRegina_41, GrootJr_43, Kurt_41, Phomeo_40, Jifall16_40, Emianna_41, Arti_41, NatB6_41, KidneyBean_41, Wheezy_41
- Track 331 : Outis_42, StarStruck_42
- Track 332 : Commandaria_43
- Track 333 : MerCougar_42
- Track 334 : GTE8_30
- Track 335 : Tracker_41
- Track 336 : Ennea_47
- Track 337 : Patio_44
- Track 338 : Lollipop1437_46
- Track 339 : Float294_43, Skysand_43
- Track 340 : IDyn_42, NadineRae_41, WhoseManz_43

- Track 341 : BiPauneto_44, HubbaBubba_40
- Track 342 : Marietta_43
- Track 343 : Yndexa_43, Sukkupi_43
- Track 344 : Fury_50, Pleakley_50
- Track 345 : Survivors_20
- Track 346 : Amok_17
- Track 347 : MaVan_20, Nibbles_20
- Track 348 : SummitAcademy_17, Vine_19
- Track 349 : RedBaron_19
- Track 350 : Agatha_18, Cozz_18
- Track 351 : PsychoKiller_18, Sopespian_18, Elliott_18, GoldHunter_19
- Track 352 : SheckWes_17
- Track 353 : Nodigi_20
- Track 354 : MAnor_18
- Track 355 : SketchMex_17, Biskit_19
- Track 356 : Nina_19, Axym_18, Typhonmarchy_19
- Track 357 : AikoCarson_17, Emalyn_17
- Track 358 : Tolls_20, SteamedHams_20, Yarn_17
- Track 359 : Button_19
- Track 360 : Quasar_18
- Track 361 : Lauer_17, KayGee_17, Elinal_19
- Track 362 : Fribs8_19
- Track 363 : CherryonLim_19
- Track 364 : Yummy_19, Horseradish_19, Troje_18, SweatNTears_20
- Track 365 : Feastonyeet_17, BigChungus_17
- Track 366 : Jamzy_21
- Track 367 : Zareef_22
- Track 368 : AndPeggy_17
- Track 369 : Burnsey_18
- Track 370 : PotPie_18
- Track 371 : MScarn_20, Buttrmlkdreams_18
- Track 372 : BillDoor_20
- Track 373 : Pons_18
- Track 374 : GiKK_21
- Track 375 : Gibbous_18, Dre3_18
- Track 376 : Yakult_19
- Track 377 : Mayweather_19
- Track 378 : Hexbug_20
- Track 379 : Azira_20
- Track 380 : Margaret_21
- Track 381 : Cleo_18
- Track 382 : GTE2_16
- Track 383 : Orla_20
- Track 384 : MunkgeeRoachy_19
- Track 385 : HippoPololi_20
- Track 386 : KappaFarmDelta_19
- Track 387 : Malachai_20, Begonia_20
- Track 388 : JasperJr_19, Guacamole_19, MintFen_19, Melba_19, Utz_19, Archis_20, Barco_19, BlingBling_19
- Track 389 : Gambino_21, Blueberry_21, MissRona_21, Azula_21
- Track 390 : Wisp_18, Jalammah_21, ZiggyZoo_18, Lysidious_20, Obliviate_18, Samba_19
- Track 391 : PCoral7_19, Toast_19

- Track 392 : Murp_19
- Track 393 : Pipp_19
- Track 394 : CarolAnn_19, Blino_19
- Track 395 : UmaThurman_19, CaptainKirk2_19, Delian_19
- Track 396 : Walrus_20
- Track 397 : Mellie_18
- Track 398 : Petra_21
- Track 399 : Hitter_19
- Track 400 : JuJu_19
- Track 401 : Fairfaxidum_19
- Track 402 : PrincePatrick_19
- Track 403 : Wocket_20
- Track 404 : William_19
- Track 405 : PhrostedPhlake_20
- Track 406 : Frokostdame_19
- Track 407 : Zarbodnamra_19
- Track 408 : Fenry_18
- Track 409 : Wrigley_20
- Track 410 : Pytheas_20, Jablanski_20
- Track 411 : Cashline_20
- Track 412 : LonelyBoi_20
- Track 413 : EnalisNailo_20, Lilas_20, Bradissa_20
- Track 414 : Floral_20, EMSquaredA_20, Posh_20, Marteena_20, Pollux_20, BeeGee_20
- Track 415 : Angelique_20
- Track 416 : Confidence_20
- Track 417 : BritBrat_20
- Track 418 : Bunnybear_18
- Track 419 : TimTam_19, BatStarr_19, Eviarto_19, Nymphadora_19, Bosnia_19
- Track 420 : Kita_19, Suscepit_19, Eudoria_19, Maridalia_18, Antonio_19, Manasvini_19, Polly_19, Trumpet_19, Neobush_19, Tayonia_19, Zameen_19
- Track 421 : WelcomeAyanna_18, ThankyouJordi_18
- Track 422 : Bialota_19, Zirinka_19, Ohgeesy_19
- Track 423 : Agueybana_19
- Track 424 : Hugley_19, Herod_19
- Track 425 : Madeline_19
- Track 426 : Hyzer_19
- Track 427 : Whiteclaw_17, Savage_17, GemG_17, Mocha12_17, Gizermo_17, Clap_17, TuertoX_17, Cynthia_17, Sproutie_17, Haley23_17, Ebert_17
- Track 428 : EdnaMode_17, Lamberg_17
- Track 429 : Matteo_17
- Track 430 : Attis_17, LordFarquaad_17, SoilAssassin_17, Yeet412_17, Bjanes7_17
- Track 431 : Vasanti_17
- Track 432 : Sahara_17
- Track 433 : Nettuno_17
- Track 434 : JCole_17, Pickett_17
- Track 435 : BaxterFox_18, BoyNamedSue_19, PantheRoc_18, AlumE_19, Yeezy_20
- Track 436 : PhriskyACE_19, Dorito_19
- Track 437 : Beenie_20, MichaelScott_20, WinkNick_20, Samman98_20, Dolores_20, Suerte_18, Clark_20
- Track 438 : Hortense_20, Twinkle_20, Adora_20, Shlim410_20, Howe_20
- Track 439 : Thimann_20, Oregano_20, Easley_20, Mcklovin_20

- Track 440 : DobbysSock_19, Annalisa_20
- Track 441 : Powerball_19
- Track 442 : Sekhmet_20
- Track 443 : Denise_17
- Track 444 : OneDirection_17, Pepperoni_17, Lton_17
- Track 445 : Moosehead_17
- Track 446 : Faith5x5_17
- Track 447 : Sidious_19
- Track 448 : RavenCo17_17
- Track 449 : Sapo_16
- Track 450 : Archimedes_16
- Track 451 : Ghobes_16
- Track 452 : GEazy_19, HannahD_19
- Track 453 : Hedwig_20
- Track 454 : Opie_19
- Track 455 : Kiko_20
- Track 456 : Bowser_19
- Track 457 : RayTheFireFly_19
- Track 458 : TaronosaurusRx_19
- Track 459 : Dmitri_19
- Track 460 : ZAYM_19
- Track 461 : BBQValindra_19
- Track 462 : Bunker_19
- Track 463 : DirtyBoi_20
- Track 464 : BackstagePass_19
- Track 465 : Eyes_19
- Track 466 : Doggs_18
- Track 467 : Coriander_19
- Track 468 : MagicMan_19, Schnabeltier_19
- Track 469 : Gezellig_32
- Track 470 : Danyall_33, Savbucketdawg_31, Jambalaya_31, Twister6_33
- Track 471 : KimmyK_33, Arri_34, Halo3_32, Phlop_31, Wizard_31, PullumCavea_31
- Track 472 : Nubi_31, SmokingBunny_31, Togo_31, Portcullis_31
- Track 473 : Fugax_33, ClamChowder_33, Barb_33, PinkCoffee_33
- Track 474 : Shinji_31
- Track 475 : Mutzi_33
- Track 476 : TillyBobJoe_31, Fireball_32
- Track 477 : YungMoney_33
- Track 478 : VanDeWege_34
- Track 479 : RogerDodger_34
- Track 480 : Valary_34
- Track 481 : Bakery_32
- Track 482 : Salvador_31, Evamon_31
- Track 483 : Clown_35
- Track 484 : JonJames_47, Yvonnetastic_45
- Track 485 : Cardigan_47
- Track 486 : Belphegor_33
- Track 487 : Shivanishola_36, MoontowerMania_34
- Track 488 : Geodirt_32, McKinley_37
- Track 489 : Fitzgerald_33
- Track 490 : StorminNorm_34
- Track 491 : Tangerine_34, Gustavo_34, Saronaya_34, LilHam_32

- Track 492 : Gaea_34
- Track 493 : Ailee_33, Barsten_35, Kewpiedoll_34, Jabberwocky_33, Sanjuju_33
- Track 494 : JKSyngboy_32
- Track 495 : Rofo_35, Nordenberg_29, Galadriel_35, Love_38
- Track 496 : Bizzy_35
- Track 497 : Fosterous_33
- Track 498 : BobBob_32, Affeca_33
- Track 499 : Ribeye_35
- Track 500 : Kamashten_34, Thing3_34
- Track 501 : Brandonk123_36
- Track 502 : Lennon_35, Sitar_35
- Track 503 : Ashertheman_35
- Track 504 : Tangent_35
- Track 505 : Bibwit_34
- Track 506 : Flatwoods_35
- Track 507 : Vivi2_37, Sedona_35, Paries_37
- Track 508 : Kroos_35, Kwobi_35
- Track 509 : ChadMasterC_35
- Track 510 : Keitabear_35
- Track 511 : Baddon_34, Derg_32
- Track 512 : Tycho_34
- Track 513 : Baumdotcom_34
- Track 514 : Angelicage_33
- Track 515 : SchottB_33
- Track 516 : YorkOnyx_35
- Track 517 : Charming_35
- Track 518 : RiverRaider_36
- Track 519 : Stultus_33
- Track 520 : Phauci_26, Inspectinfecti_34, Hans_35
- Track 521 : Phinally_33, Leonard_33
- Track 522 : EMOore_31
- Track 523 : MelBins_34
- Track 524 : Ali17_31
- Track 525 : EdmundFerry_31, Dextert_33, Twonlo_30
- Track 526 : Chickadee_32, Tiamoceli_33, GTE6_32
- Track 527 : RoadKill_30
- Track 528 : Kwekel_32
- Track 529 : Sampson_35
- Track 530 : DoctorFroggo_34, Delrey21_34, Verity_34
- Track 531 : Tardus_36
- Track 532 : Scioto_35, Abblin_35, Natkenzie_35
- Track 533 : Zipp_34
- Track 534 : ViaConlectus_35
- Track 535 : APunk_36
- Track 536 : Zitch_36
- Track 537 : Lilbeanie_30
- Track 538 : Lucky10_18
- Track 539 : PhorbesPhlower_18, Morkie_18
- Track 540 : DelRio_23, WheatThin_22, Mulch_22, Nadeem_22, Parada_22, Brylie_22, BetterKatz_22
- Track 541 : Hamood_22, Chop_22, Ayotoya_22, GrandSlam_22
- Track 542 : NancyRae_22
- Track 543 : Pimento_22

- Track 544 : Francois_22
- Track 545 : Bock_22
- Track 546 : Phendrix_87
- Track 547 : GodonK_89
- Track 548 : DatBoi_31
- Track 549 : Mollymur_31
- Track 550 : Bantam_30
- Track 551 : SpeedDemon_320
- Track 552 : Daredevil_29
- Track 553 : BearBQ_19
- Track 554 : Birdsong_19, MortyNRick_19
- Track 555 : ODay_25
- Track 556 : Malisha_21
- Track 557 : Ecliptus_24
- Track 558 : Leroy_20, Crater_18, Horus_20, Phistory_21, Apricot_19
- Track 559 : Whitney_21
- Track 560 : Kamaru_20, Holliday_20, Budski_20
- Track 561 : Lutum_20, LitninMcQueen_20, Phabuloso_20, Kenna_19
- Track 562 : Asapag_20, Frickyeh_20, BENtherdunthat_20
- Track 563 : Getalong_21
- Track 564 : Periwinkle_22
- Track 565 : CheeseTouch_20
- Track 566 : Spooky_20
- Track 567 : Squiddly_22
- Track 568 : Kuwabara_19
- Track 569 : Ziko_56, Ronaldo_56, Volt_55
- Track 570 : Keelan_51
- Track 571 : Fryberger_53
- Track 572 : Guey18_58
- Track 573 : Forza_101, BlueNGold_100, Mareelih_99, Boopy_101
- Track 574 : GMA2_30
- Track 575 : Sixama_99
- Track 576 : Vordorf_22
- Track 577 : Dogfish_21
- Track 578 : Nyceirae_23
- Track 579 : Ewald_22
- Track 580 : Meyran_21
- Track 581 : Phishy_22
- Track 582 : Octobien14_28
- Track 583 : Syleon_28, Sephiroth_28
- Track 584 : Kudrefre_27
- Track 585 : Rabbitrun_30
- Track 586 : Neville_28
- Track 587 : Trax_28
- Track 588 : Malibo_20
- Track 589 : Ruthy_19
- Track 590 : DumpsterDude_19
- Track 591 : Heinz_19
- Track 592 : Reyja_19
- Track 593 : DonkeyMan_18, Tarzan_18
- Track 594 : Hibiscus_18
- Track 595 : Jojo24_18, Santhid_18
- Track 596 : Cafasso_19, ModicumRichard_19, ObLaDi_19

- Track 597 : Morgana_19
- Track 598 : Aleemily_19
- Track 599 : Terminus_24, Goldilocks_25, Command613_25, Myrale_24, ABCat_23, Miniwave_24, BadStone_23, Thresher_25, ChosenOne_23, Simpliphy_25, Balomoji_23, MISSy_23, NoSleep_25, Elph10_25, TeardropMSU_23, SirDuracell_23, 244_26, Holt_25, Lilizi_26, Cookies_24, Pharsalus_25, PhatBacter_24, Elite2014_23, Lilac_26, Nimrod_24, Manda_25, OrionPax_25, GooberAzure_26, Kimchi_26, ShereKhan_26, StolenFromERC_26, Kanye_26, Gator_22, Ukulele_24, Wiggin_27, Adnama_27, Tarkin_26, Filch_25, Contagion_23, Sotrice96_24, StellaBean_24, Tomaszewski_23, BigBubba_25, Kostya_24, Misfit_24, DrDrey_25, Paperbeatsrock_26, Lilpickle_23, SophKB_24, Cactus_25, Dusk_23, Saints25_25, Quallification_25, Eureka_24, HanKaySha_25, Phrux_24, Pat3_23, Teaspoon_25, Buck_23, MPhalcon_23, BaboJay_23, Gemini_27, Stark_25, Rimmer_23, Moldemort_25, Phaux_23, Czyszczonek_25, CrystalP_24, Goku_24, Argent26_26, ShamWow_24, MadamMonkfish_24, Tuco_25, Highbury_25, Hoonter_26, GoldenSpark_26
- Track 600 : Petra64142_26, YassJohnny_25, Marshmallow_24, Palpatine_24, HufflyPuff_23, Flypotenuse_22, FireRed_24, Amao_24, RiverMonster_24, Glexan_22, ChotaBhai_24, Daikon_22, BilboSwaggins_24, Easy2Say_26, Gage_26, BugsBunny_22, Phaja_24, Murica_23, Mosby_23, AmericanBeauty_27, Icee_23, Henry_24, Policronamos_24, Maxxinista_25, Hopey_26, Sassay_23, Rakim_25, IHOP_24, Porky_24, Bask21_24, Harella_23, Bench_26, Nala_24, Pumpkin_26, Toto_24, JeTaime_26, Murphy_25, Xandras_26, Youngblood_24, Inca_23, Emmina_25, NelitzaMV_24, TBrady12_26, DoctorDiddles_24, Bruin_24, Willez_23, xkcd_25, Dumbo_24, Stank_27, Mindy_24
- Track 601 : Barbarian_23, Asriel_23
- Track 602 : Traaww1_22
- Track 603 : Cjw1_24
- Track 604 : PeteyPab_33, Kimchi1738_31, Cruella_31, C3PO_31, PotatoChip_34, Zion_34
- Track 605 : Darwin_34
- Track 606 : Stickynote_33
- Track 607 : Colleen_19, Arianna_19, Poushou_19, TouchMeNot_19
- Track 608 : Troy_17, SamW_17, Dina_17, Lederberg_17
- Track 609 : StAB_17, Stiles_17, Bran_17, Adelaide_17
- Track 610 : Blarby_20
- Track 611 : MulchSalad_16
- Track 612 : Rockne_16, PMC_16, Llij_16
- Track 613 : ShiLan_16, Burwell21_16, Martik_16, Zizzle_16, ShowerHandel_16, Yorick_16, Nivrat_16, Lizziana_16, Spikelee_17, Jarcob_16
- Track 614 : Zerg_16
- Track 615 : UncleRicky_17, Phatniss_17, Drago_17, SiSi_16, Karhdo_16, Enby_17, Lorde_17
- Track 616 : Galactic_16, Wee_17, DLane_16, Hlubikazi_16, Wachhund_16, Ms6_16, Emma_16, Geralt_16, Dante_16, PhesterPhotato_16, Hegedechwinu_17, Bubbles123_17, Ovechkin_16, Krakatau_17, MilleniumForce_17, Brocalys_16, JalFarm20_18, Flathead_17, LastJedi_16, Strokeseat_16, Moonbeam_17, Royals2015_16, KristaRAM_17, Whatsapiecost_16, Tweety_16, Mandlovu_16, Kingsley_17, Clifton_16, SG4_16, Hades_16, StAnnes_16, MinionDave_17, Bobi_18, Pippy_16, Koella_16
- Track 617 : Maravista_16, Melissauren88_16, Fruitloop_16, EleanorGeorge_16, Leozinho_17
- Track 618 : Mozy_17

- Track 619 : Modragons_16, Ochi17_16, Jinglebell_16, Llama_16, OfUltron_16, Seabastian_16, AlpineSix_16
- Track 620 : Coco12_18
- Track 621 : Taj_16, DeadP_16
- Track 622 : Chuckly_16, Mova_17
- Track 623 : Blexus_16
- Track 624 : Philus_16, Sparkdehlily_16, LilMoolah_16, BobaPhett_16, DaWorst_18, Saal_16, Mantra_16, Mattes_16, SwagPigglett_16, DRBy19_16, TDanisky_16, Sandalphon_17, Eradicator_16, James_16
- Track 625 : SimranZ1_17
- Track 626 : PHappiness_16, JoeyJr_16, DaddyRickover_16, Empress_17, Pacc40_16, Daenerys_16, BlueCrab_16, Dorothy_16, Nimbo_16
- Track 627 : Doug_17
- Track 628 : ArcusAngelus_16, Chevrolet_15
- Track 629 : Quico_17, Girafales_17, Florinda_16
- Track 630 : Oksu_17
- Track 631 : Phalconet_16
- Track 632 : GigiOuiOui_16
- Track 633 : Hamulus_16
- Track 634 : Velveteen_17, Ardmore_16, BigPhil_17, Crumble_16, Cerasum_17, Phanphagia_16, Shauna1_16
- Track 635 : OldBen_16
- Track 636 : Spoonbill_16, Priscilla_16, OlympiaSaint_16, Cabrinians_16
- Track 637 : BodEinwohner17_16, Inventum_16, Sassafras_16, Deb65_16
- Track 638 : Gorge_16
- Track 639 : Misha28_17, TootsiePop_17, Awesomesauce_17
- Track 640 : Fastidio_16
- Track 641 : IrishSherpFalk_17, WillSterrel_17
- Track 642 : Scottish_17, KingMidas_17
- Track 643 : Estave1_16
- Track 644 : Frankie_17
- Track 645 : Akhila_17, MilanaBonita_17
- Track 646 : Filuzino_16
- Track 647 : Totinger_17, Starcevich_17
- Track 648 : ChickenDinner_17, DocMcStuffins_17
- Track 649 : Ibhubesi_16, Harley_16
- Track 650 : Boomer_17
- Track 651 : DirtMcgirt_17
- Track 652 : Rialto_18, LittleShirley_17
- Track 653 : NormanBulbieJr_16
- Track 654 : Donkeykong_16
- Track 655 : Mutaforma13_16
- Track 656 : DosHalletts_17
- Track 657 : Plumbus_17
- Track 658 : Poenanya_16, Stap_17, Ramsey_17, Doomphist_16
- Track 659 : DotProduct_16
- Track 660 : Leperchaun_16, RitaG_16
- Track 661 : Veteran_16, Girr_16, GUmbe_16, Phasih_17, MisterCuddles_16, Ruby_16
- Track 662 : Juice456_18, Kimberlium_18, QuickMath_17
- Track 663 : DillTech15_16
- Track 664 : FreddyB_16
- Track 665 : Piper2020_17

- Track 666 : Sarma624_17
- Track 667 : Rita_16
- Track 668 : Aubs_16
- Track 669 : ByChance_16
- Track 670 : Madiba_17
- Track 671 : VRedHorse_16
- Track 672 : RedBird_16
- Track 673 : Firehouse51_17
- Track 674 : Radiance_16, Tootsieroll_17
- Track 675 : Job42_19
- Track 676 : Alexphander_18
- Track 677 : Minnie_17
- Track 678 : Che8_16
- Track 679 : PopTart_16, SassyB_16
- Track 680 : Byougenkin_16
- Track 681 : Ogopogo_19
- Track 682 : Eish_16
- Track 683 : RockyHorror_17
- Track 684 : Polka14_17
- Track 685 : Juniper1_16
- Track 686 : Beakin_17
- Track 687 : Gandalph_16
- Track 688 : Latretium_17
- Track 689 : CaptainTrips_17
- Track 690 : Marker_17, Cornucopia_17
- Track 691 : Kenuha5_16, SuperGrey_17
- Track 692 : OwlsT2W_18
- Track 693 : Nitzel_17
- Track 694 : IbOuu_16
- Track 695 : XFactor_16
- Track 696 : Fancypants_16
- Track 697 : ShroomBoi_16
- Track 698 : Whouxphf_16
- Track 699 : Mahavrat_16
- Track 700 : Seagreen_17
- Track 701 : BuzzLyseyear_18
- Track 702 : Bipolar_16
- Track 703 : Batiatus_16
- Track 704 : Che9d_19
- Track 705 : Zapner_20, Avani_19, Jabbawokkie_21
- Track 706 : Soul22_19
- Track 707 : Demsculpinboyz_19
- Track 708 : Yoshi_19
- Track 709 : Squirty_17
- Track 710 : LunaStella_18
- Track 711 : TChen_17
- Track 712 : PinkYoshi_18, Cherrybomb426_18, CLED96_18, Jonghyun_18, ECartman_18, Sizemore_18, Hotshotbaby7_18, ZoMa_18, BQuat_18, Chance64_18, Kasen3_18, Frosty24_18, Olga_18, Camri_18, DNAlII_0018, Remy19_18, Sweets_18, Phish_18
- Track 713 : Jolene_18, Periodt_18, Hope_18, Plagueis_18, Aroostook_18, Angel_18, Kareem_18, Halo_18, OctaviousRex_18, Avrafan_18, Cedasite_18, Coleslaw_18, Darionha_18, Crespo_18, Annihilator_18, Phreak_18, GoldenAsh_18,

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- Track 714 : Liefie_18, Peeb_18
- Track 715 : Barkley26_18
- Track 716 : Jane_18
- Track 717 : Sneeze_18
- Track 718 : Terror_18, Taheera_18
- Track 719 : Rabbs_18
- Track 720 : Paito_18
- Track 721 : Grizzly_18
- Track 722 : Avocado_18, Cambiare_19
- Track 723 : Pace1224_18
- Track 724 : FlagStaff_18
- Track 725 : Pinnie_19
- Track 726 : Jolie2_18
- Track 727 : Mercurio_20
- Track 728 : Lemuria_19
- Track 729 : Antsirabe_18
- Track 730 : Stargaze_18
- Track 731 : QueenHazel_19
- Track 732 : Brujita_19, Island3_19
- Track 733 : Babsiella_19
- Track 734 : Xula_18, HC_19
- Track 735 : Kalah2_37
- Track 736 : Bombitas_33, Schatzie_34, Hughesyang_35, Odette_36, Dove_35
- Track 737 : BAKA_34, Phoebus_36, Redno2_35
- Track 738 : Squint_33, Porcelain_33, Ariel_34, MiaZeal_34, Courthouse_34
- Track 739 : Omega_36
- Track 740 : Bobby_38, Ejimix_37, Wanda_37, DmpstrDiver_35
- Track 741 : Minerva_37, Klein_37
- Track 742 : Gonephishing_32
- Track 743 : ThreeRngTarjay_35
- Track 744 : Hannaconda_31, LittleE_37, KashFlow_28
- Track 745 : Superphikiman_34
- Track 746 : Lucky2013_34
- Track 747 : Constella_31
- Track 748 : Optimus_35
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- Track 752 : MarkPhew_23
- Track 753 : Mynx_23, Zavala_23
- Track 754 : Anaya_24
- Track 755 : Illumine_23, Dole_23, Devera_23

- Track 756 : Nikao_19, Amelie_19, Biglebops_19, Mdavu_19, Nutello_19, SgtBeansprout_19, Enkosi_19, LilPharaoh_19
- Track 757 : TiniBug_23
- Track 758 : Rapunzel97_23, Adephagia_23, Veliki_23, Tachez_23, Zabiza_24, Atiba_23, TruffulaTree_23, HedwigODU_23, ActinUp_23, Jayhawk_24, Slimphazie_23
- Track 759 : LeMond_22, Scarlett_22
- Track 760 : Bella96_23
- Track 761 : Geraldini_23, QuincyRose_22, Ganymede_24, Adonis_23, Beezoo_23
- Track 762 : Efra2_23
- Track 763 : Validus_23
- Track 764 : LaterM_23, Stinson_23
- Track 765 : Shaobing_23, Peanam_23
- Track 766 : Chris_22
- Track 767 : Nibb_22
- Track 768 : Guanica15_23, Yunkel11_23
- Track 769 : Curiosium_24
- Track 770 : Prithvi_23, Megsy_23, TaiwanKao_24, TreyKay_23, LindNT_23, CrimD_23
- Track 771 : DrHayes_23, SamuelLPlaqson_23, Urkel_23
- Track 772 : LastHope_23
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- Track 777 : Pokerus_22
- Track 778 : Ageofdapage_23
- Track 779 : Findley_19, Strobilo_19
- Track 780 : BoostSeason_19
- Track 781 : DismalStressor_19, DismalFunk_19, Marcoliusprime_19
- Track 782 : TM4_19
- Track 783 : Milly_19
- Track 784 : Mufasa_19
- Track 785 : ZoeJ_19
- Track 786 : TBond007_22, Pixie_22
- Track 787 : TribbleTrouble_21
- Track 788 : MacnCheese_23
- Track 789 : Pharb_22
- Track 790 : Hurricane_22
- Track 791 : Keshu_22
- Track 792 : ShedlockHolmes_22
- Track 793 : Fionnbharth_24
- Track 794 : Mitti_24, OmniCritical_24, SamScheppers_22, Slarp_24, Cheetobro_24, Chancellor_24
- Track 795 : JF1_24, Wintermute_24, Malthus_25
- Track 796 : Reptar3000_24
- Track 797 : Y10_24, Y2_24
- Track 798 : Taquito_22
- Track 799 : MissDaisy_24
- Track 800 : Juliette_24
- Track 801 : Eponine_24, Ruthiejr_23
- Track 802 : Patt_24
- Track 803 : Leston_21

- Track 804 : Feyre_21, Guillsminger_21, Waterfoul_21, Paola_21
- Track 805 : OkiRoe_21
- Track 806 : Agent47_21, InvictusManeo_21, Kratio_20, Collard_21
- Track 807 : Miryou_21, Thyatira_21
- Track 808 : Gengar_21
- Track 809 : Heftyboy_21, SoSeph_21
- Track 810 : Amohnition_22
- Track 811 : TClif_23
- Track 812 : Fefferhead_22
- Track 813 : Cain_22, Bryler_22
- Track 814 : Phrank_22, Tierra_22
- Track 815 : Ekdilam_20
- Track 816 : Unicorn_22, PhelpsODU_22
- Track 817 : DarthP_22
- Track 818 : Ximenita_23
- Track 819 : Marshawn_24
- Track 820 : Syra333_22
- Track 821 : Sunflower1121_21
- Track 822 : SirPhilip_22
- Track 823 : Yuna_24
- Track 824 : Shadow1_21
- Track 825 : Krueger_22
- Track 826 : Hammy_22
- Track 827 : Ellie_20
- Track 828 : Amgine_21
- Track 829 : Aminay_21
- Track 830 : Boilgate_20
- Track 831 : LeBron_18, Zaria_18, CicholasNage_18, Calm_18, Wamburgxpress_18
- Track 832 : AvadaKedavra_18, Tyson_18, Wyatt2_18, Halena_18, MAckerman_18, UPIE_18, Rose5_18, Silverleaf_18, Acquire49_18
- Track 833 : Enceladus_18, DirkDirk_18, JoeDirt_18, OhShagHennessy_18
- Track 834 : Appletree2_18
- Track 835 : Wigglewiggles_18, MkaliMitinis3_18, Netyap_18, Faith1_18, Loadrie_18, Miley16_18, Kahlid_18, Breezona_18, Finemlucis_18, Hafay_18, Nicholasp3_18, BobsGarage_18, Gardann_18, DrSeegs_18, Gabriela_18, Itos_18, BigCheese_18, Wilder_18, Winky_18
- Track 836 : Crossroads_18, LilDestine_18, Vetrix_18, Zakai_18, Rumpelstiltskin_18
- Track 837 : Lewan_18
- Track 838 : Tourach_18
- Track 839 : Bazzle_18
- Track 840 : GuuelaD_18
- Track 841 : Baoshan_17, ZhongYanYuan_17
- Track 842 : Archie_18
- Track 843 : Claus_18
- Track 844 : Finnry_19, Samty_19, Bellis_19, Moostard_19
- Track 845 : MiniMac_19, MiniLon_19, Lolly9_19
- Track 846 : DuncansLeg_19
- Track 847 : Whirlwind_20
- Track 848 : Kingsolomon_19, Snenia_19, Jobypre_19, Lumos_19, MsGreen_19, Jubie_19, Clautastrophe_19, Nicholas_19
- Track 849 : Ellson_19
- Track 850 : Krypton555_19

- Track 851 : Douge_18
- Track 852 : DyoEdafos_19
- Track 853 : Bromden_19
- Track 854 : Chaser_18
- Track 855 : Baudelaire_18, Aegeus_18
- Track 856 : Bricole_28
- Track 857 : PegLeg_28, TyDawg_28, Glaske16_29, Diminimus_29, SlimJimmy_27, Skinny_29, LilhomieP_27, IPhane7_28, Bongo_28, Dulcita_29
- Track 858 : Auspice_28
- Track 859 : Reindeer_26
- Track 860 : Aziz_32
- Track 861 : MrMagoo_32, GardenSalsa_32
- Track 862 : Estes_33
- Track 863 : Rey_32
- Track 864 : GenevaB15_32
- Track 865 : Nanosmite_32
- Track 866 : Journey_19, Gex_18, Charlie_18, Magsby_18, Duplicity_18, Philonius_18, Schnauzer_18, Chewbacca_18, Tapioca_18, Melville_18, Silvy_18, Xerxes_18, Parmesanjohn_18, Silvafighter_18, Phloss_18, Smurph_18, Bosection6_18, Fulbright_18, Carcharodon_18, Scitech_18, Pipsqueaks_18, Aggie_18
- Track 867 : Jamie19_18, Phrann_18, ShrimpFriedEgg_18, Snekmaggedon_18, Shweta_18, Nenae_18, BabeRuth_18, Redi_18, Panchino_18, Rebel_18, PhancyPhin_18, Purgamenstris_18, SkinnyPete_18, SpongeBob_18
- Track 868 : Kevin1_18, Rubeelu_18, Butters_18
- Track 869 : MichelleMyBell_18
- Track 870 : Raymond7_18
- Track 871 : Andies_18
- Track 872 : Xeno_18
- Track 873 : Corndog_59, Firecracker_57, Ryadel_60, JangDynasty_56, Schuy_57, MadKillah_57, Winget_57, YungJamal_61, NiebruSaylor_55, Alkhayr_54, Familton_57, Krili_55, SchoolBus_56, Vorrps_56, Mori_56, Shida_56, Ashwin_58, Blessica_57, Bora_54, FoulBall_53
- Track 874 : TelAviv_53, Catdawg_56, Idergollasper_56
- Track 875 : Zakhe101_56, Dylan_56
- Track 876 : Wildflower_56
- Track 877 : Murai_57
- Track 878 : Smooch_59
- Track 879 : Ksquared_19, Atcoo_19, Sonah_19, Phineas_19, Techage_19, FirstPlacePfu_19, Willsammy_19, Juniormint_19, StevieRay_19, HUHilltop_19, Pygmy_18, Zilizebeth_19, Necropolis_19, Thespis_19, Kari_19, Jebeks_19, Bartholomew_19, Brusacoram_19, Bunnies_19, Shipwreck_18, Langerak_19, Fishburne_19, Donovan_19, Dynamo_19, Venti_19, Malithi_19, Camster_19, Vidya_19
- Track 880 : Mangethe_19, Phegasus_19, Majeke_19
- Track 881 : Megiddo_19, KilKor_19, CactusJack_19, StressBall_19, Phalm_19, Glaske_19
- Track 882 : Polkaroo_19
- Track 883 : GreaseLightnin_19, Bogie_18
- Track 884 : Arib1_19
- Track 885 : Jung_19
- Track 886 : Tortellini_18
- Track 887 : Xavia_19

- Track 888 : Nazo_18
- Track 889 : BigNuz_18
- Track 890 : ThulaThula_18
- Track 891 : Phayonce_18
- Track 892 : Purky_18
- Track 893 : Amymech_22, Forge_22, Luke_22, Giles_22, Evanesce_22, HH92_22, Dewey_22, Ubuntu_22, OBUpride_22, Luna22_22, Kinbote_22, Hail_22, DeepSoil15_22, Webster2_22, LilHazelnut_22, Hadrien_22, Wishmaker_22, Ein37_22, Daegal_23, Amochick_22
- Track 894 : Gravaillia_22
- Track 895 : Gancho_21
- Track 896 : Huphlepuuff_52, LittleLaf_50, Pringar_50, Lilbit_51, VasuNzinga_50, Beelzebub_54, Poise_50, Blackbeetle_50
- Track 897 : Clarkson_51
- Track 898 : Tesla_49, FeliMaine_50, Corazon_48, RedRaider77_50, JoieB_51, Gattaca_49, MosMoris_48
- Track 899 : Caprice_47
- Track 900 : Marvin_48
- Track 901 : Raela_50
- Track 902 : ZenTime222_19, RonRayGun_19, Nairb_19, Whitty_19, Bernal13_19, Ibrahim_19
- Track 903 : Mendokysei_18
- Track 904 : Azrael100_39, Wildcat_40, MaryV_40, EniyanLRS_37, Cosmo_40
- Track 905 : Gaia_16, Nebkiss_17
- Track 906 : Cracklewink_24, Bipper_24
- Track 907 : Hilltopfarm_24, Typha_24
- Track 908 : 32HC_26
- Track 909 : Rem711_25
- Track 910 : VanLee_20
- Track 911 : TPA4_19
- Track 912 : Whack_18
- Track 913 : MooMoo_16
- Track 914 : IdentityCrisis_17
- Track 915 : TinyDot_19
- Track 916 : P1201_47
- Track 917 : Jace_17
- Track 918 : REQ3_50
- Track 919 : LilSpotty_18
- Track 920 : ChewyVIII_56
- Track 921 : Eyre_17
- Track 922 : GMA1_19
- Track 923 : PSonyx_17
- Track 924 : DS6A_21
- Track 925 : Sleepyhead_18
- Track 926 : Finkle_19
- Track 927 : Gudmit_18
- Track 928 : REQ2_20
- Track 929 : GAL1_20
- Track 930 : Kumao_28
- Track 931 : P3MA_19
- Track 932 : Mbo4_17
- Track 933 : Juicebox_19

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 145, it was called in 749 of the 2146 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_28, 40AC_31, ACFishhook_29, AN3_28, AN9_31, ANI8_31, AbbyPaige_30, AbbysRanger_27, Abdiel_26, Achebe_26, Acolyte_28, ActinUp_23, Adephagia_23, Adonis_23, Adzzy_29, Agape74_30, Agatha_18, AgentM_24, Ageofdapage_23, Aglet_29, AgronaGT15_29, AikoCarson_17, Airmid_24, Albee_27, Alberto7_28, AlishaPH_23, Amelie_19, Aminay_21, Amok_17, Anaya_24, Anaysia_30, Aneem_28, Angelica_23, Angelique_20, AnnaL29_31, Annyong_27, Anon_28, Anselm_28, Anthony_27, Anubis_31, Apocalypse_23, Apricot_19, Aragog_24, ArcherNM_30, Archetta_24, Arissanae_28, Artemis2UCLA_31, Arturo_26, Asapag_20, Asayake_23, Astro_24, Atiba_23, AugsMagnumOpus_31, AvatarAhPeg_28, Avle17_27, Axym_18, Azira_20, B1_25, BABullseye_31, BEEST_23, BENtherdunthat_20, BGlluviae_23, Baby16_27, BabyRay_27, Bachome_28, Backyardigan_27, Bactobuster_29, Badger_27, Baehexic_29, BaghaKamala_23, BangNhom_27, BarrelRoll_23, Bartimeaus_27, Battleship_31, BearBQ_19, Beauxregard13_29, BeeGee_20, Beemo_30, Beezoo_23, Bella96_23, Belladonna_23, BellusTerra_27, Benedict_24, BengiVuitton_29, Benvolio_28, BiancaTri92_30, BigChungus_17, Biglebops_19, BillDoor_20, Birdsong_19, Blackmoor_27, Blinn1_31, Blizzard_23, Blue7_31, BlueBird_28, Bluefalcon_23, BogosyJay_29, Boiiii_23, Boilgate_20, Bombshell_27, Bonamassa_24, Boohoo_30, Bowtie_28, Bradissa_20, BreSam8_29, Broseidon_27, Bruiser_26, Bryler_22, BubbleTrouble_27, Bud_28, Budski_20, Bugatti_27, Buggy_30, Bumblebee11_27, Burger_26, Button_19, Buttrmlkdreams_18, BuzzBuzz_28, Bxz2_28, C3_26, CRB1_28, CREW_23, Caelakin_27, Cain_22, Camperdownii_26, Candra_31, Capricorn_23, Caraxes_27, CaseJules_23, Cashline_20, Caviar_28, Centaur_30, CentreCat_27, Cerulean_28, Chadwick_25, ChampagnePapi_28, Chancellor_24, Changeling_30, Chaph_27, Chargerpower_29, Charm_28, Chartreuse_31, Che12_30, CheeseTouch_20, CheetoDust_23, Cheetobro_24, ChipMunk_30, Chris_22, Chupacabra_27, Cici_27, Cintron_27, Citius_27, Clarenza_27, Cleo_18, Cocoaberry_27, Colbster_29, Commander_27, Confidence_20, Connomayer_27, Conquerage_30, Conspiracy_24, Coog_24, Cookiedough_31, Cozz_18, Crater_18, CrimD_23, Crucio_28, Cuco_24, Cullens_29, Curiosium_24, D29_28, D32_31, DBQu4n_31, DaHudson_29, DaVinci_31, Daishi_28, Dalmatian_28, Dalmuri_23, Danforth_23, DarthP_22, DarthPhader_29, Datway_27, Deano_27, Deby_23, Deloris_29, Devera_23, Dhanush_27, Dieselweasel_29, Dignity_30, DirtyDunning_27, Discoknowium_24, Dixon_24, Dole_23, Dorothea_30, DrHayes_23, Drake55_30, Drake94_26, Dre3_18, DreamTeam1_28, DroogsArmy_28, Druantia_27, Dublin_23, DudeLittle_28, Duplo_31, Durfee_23, EMSquaredA_20, EZMoney23_32, EagleEye_30, Eagle_26, Eaglepride_28, Eapen_27, Ebony_28, Echild_28, Ecliptus_24, Edison31_27, Efra2_23, ElTiger69_24, Elephantoon_29, Elinal_19, Ellie_20, Emalyn_17, Emerson_23, EmyBug_30, EnalisNailo_20, Enkosi_19, EpicPhail_29, Eponine_24, Epsocamisio_30, Equemioh13_30, EricB_31, Eris_26, Eros_27, Et2Brutus_27, Eurydice_27, EvilGenius_30, Expelliarmus_23, ExplosioNervosa_30, Fameo_28, Farber_29, Fayely_30, Feastonyeet_17, Fernando_29, Fibonacci_28, Fionnbharth_24, FiringLine_28, First_0028, Flare16_28, Flaverint_28, Floral_20, Florean_27, Flux_27, ForGetIt_24, Fred313_27, Fribs8_19, Frickyeah_20,

Funston_27, Gadost_27, Gail_28, Ganymede_24, Garak_32, GaugeLDP_30, Gemma_29, George_23, Georgie2_29, Geraldini_23, Getalong_21, Ghoulboy_24, GiKK_21, Gibbous_18, Gilberta_28, GingkoMaracino_29, Giroux_27, Gladiator_31, Goose_27, GreedyLawyer_31, Grif_29, Groundhog_23, Groupthink_30, Grub_29, Grum1_29, Gruunaga_31, GtownJaz_29, Guanica15_23, HINdeR_27, HamSlice_26, Hammer_31, Hammy_22, Happiness_27, HarryHoudini_30, HashRod_30, HaveUMetTed_30, Heathen_27, HedwigODU_23, Heffalump_30, HelDan_27, Heliosoles_29, Helmet_32, Herbertwm_25, Hercules11_29, Hexamo_31, Hexbug_20, HippoPololi_20, Holli_27, Holliday_20, Homura_23, Hookmount_28, Hoot_31, Horseradish_19, Horus_20, Houdini22_27, HuhtaEnerson15_24, Hurricane_22, Hutc2_28, Hyperbowlee_23, ICleared_27, Iceman_28, Idleandcovert_27, Illumine_23, Indra_31, Inky_23, Insomnia_28, Iracema64_28, IronMan_30, Isca_27, Isiphiwo_31, Iwokeuplikedis_29, JAWS_23, JF1_24, JF2_27, JF4_27, JHC117_29, JSwag_30, Jaan_31, Jabiru_24, Jabith_28, Jablanski_20, Jamzy_21, Jarvi_23, Jayhawk_24, Jaykayelowell_27, Jeckyll_23, Jeeves_28, Jeffabunny_31, JenCasNa_29, JeppNRM_30, Jerm_30, JetBlade_27, JewelBug_31, Jobu08_29, JoongJeon_27, Joselito_28, JoshKayV_30, Journey13_26, Jovo_24, Joy99_23, Jsquared_27, KADY_30, KFPoly_27, Kalb97_30, Kalnoky_30, Kamaru_20, Kamy_27, Katalie136_27, KatherineG_30, KayGee_17, Kazan_31, Kenna_19, Kerberos_31, Keshu_22, Keziacharles14_28, Kimona_24, KingCyrus_30, Kingmustik0402_27, Kipper29_31, KittenMittens_26, Koduck_28, Koko_31, Koreni_26, Kratak_27, Kremtemulon_26, Kristoff_28, Kuwabara_19, Kyee_27, L5_28, LBerry_29, LHTSCC_28, LadyBird_28, Lambert1_28, Landor_29, LappelDuVide_26, Larenn_29, LarryKay_29, LastHope_23, LastResort_30, LaterM_23, Lauer_17, Lemur_27, LeoAvram_27, Leogania_30, Leroy_20, Lev2_24, Leviathan_30, LilPharaoh_19, LilTurb_30, Lilas_20, Lilbunny_30, Lilith_29, LindNT_23, LitninMcQueen_20, LittleB_27, LittleCherry_24, LittleGuy_27, Llorens_23, LochMonster_27, LoneWolf_29, LonelyBoi_20, Looper_31, Lorenzo_27, Loser_31, Louie6_29, Luchador_30, Lucivia_28, Lucky10_18, Lucyedi_29, LugYA_31, Lunahalos_23, Lunsford_28, Lutum_20, MA5_27, MK4_27, MScarn_20, MaCh_28, MaVan_20, Mabel_28, MacnCheese_23, MadMarie_29, Mainiac_29, Malec_29, Malinsilva_31, Malisha_21, Malthus_25, Maminiaina_29, Manu_30, MarQuardt_29, Margaret_21, Margo_28, Marie_29, Marius_30, MarkPhew_23, Marshawn_24, Marteenaa_20, Maverick_27, Maxo_27, Mayweather_19, Mazhar510_27, McFly_31, Mdavu_19, MeaningOfLife_23, Medusa_27, MeeZee_27, Megsy_23, Melvin_27, Methuselah_28, Micasa_23, Microwolf_29, MiculUcigas_28, Midas2_24, Miko_31, Milcery_24, Millski_26, MinecraftSteve_31, Misomonster_31, MissWhite_28, Mitti_24, MoneyMay_29, Morkie_18, Morpher26_27, Morrow_27, MortyNRick_19, MuchMore_31, Mulciber_28, Munch_28, Mundrea_27, MunkgeeRoachy_19, Murucutumbu_23, Mynx_23, NaSiaTalie_28, Naca_24, Naji_31, NearlyHeadless_24, Nebs_27, Nebulosus_30, Nedarya_29, Neeharika16_31, Nemo27_27, Newrala_31, Nibb_22, Nibbles_20, NicoleTera_32, Nikao_19, Niklas_23, Nina_19, Noella_28, Norbert_27, NorthStar_27, NotAPhaseMom_27, NothingSpecial_30, Nutello_19, Nyxis_27, ODay_25, OKCentral2016_27, OKaNui_28, Obama12_28, Odin_27, Ohfah_27, OlanP_29, Ollie_29, OmniCritical_24, Oofda_31, Orange_28, Orla_20, P28Green_29, P3MA_19, PGHhamlin_31, PP_37, Padfoot_23, Padpat_23, PainterBoy_29, Palestino_26, Panamaxus_27, Patt_24, Pawn_30, PeaceMeal1_26, Peaches_27, Peanam_23, Peel_23, Pembroke_29, Penny1_29, Periwinkle_22, Perplexer_27, PeterPeter_27, Petersenfast_27, PetiteSangsue_27, PetterN_25, Ph8s_29, Phabuloso_20, Phacado_27, Phaded_31, Phantastic_27, Pharaoh_28, Pharb_22, Phelipe_27, PhelpsODU_22, Phighter1804_27, Phillis_24, PhishRPhriends_28, Phistory_21, Phlei_23, Phlorence_24, Phoebe_29, Phonnegut_30, Phontbonne_27,

PhorbesPhlower_18, Phoxy_29, Phrank_22, Phranny_30, Piatt_23, PickleBack_24, Pioneer_30, Pipcraft_27, Piro94_29, Pistachio_28, Pixie_22, Pmask_31, Pocahontas_28, Pokerus_22, Pollux_20, Polymorphads_27, Pomar16_31, Poompha_26, Popcicle_28, Posh_20, PotatoSplit_30, Power_28, Priamo_31, Prithvi_23, Priya_30, Pukovnik_30, Pumbaa_27, Puppy_28, PurpleHaze_29, Pytheas_20, Quasar_18, QueenB2_28, QueenBeesly_28, QuincyRose_22, QuinnKiro_27, Rachaly_31, Rahalelujah_27, Ramen_23, Rapunzel97_23, ReMo_30, Reba_30, Rebeuca_28, RedRock_31, Refuge_31, Relief_27, Remus_30, ResDef_28, Retro23_28, RhynO_28, Rifter_31, Roary_24, Rockstar_27, Roksolana_31, Romney_27, Roosevelt_27, Rosalind_30, Rosmarinus_23, Ruin_27, Rummer_29, Ruthiejr_23, Sabertooth_27, Sabia_29, Sabinator_29, Saintus_24, Salz_28, SamScheppers_22, SamuelLPlaçon_23, SaturnRing_27, Scamp_27, Scherzo_30, Scorpia_25, Scout_27, SemperFi_30, Serenity_27, Severus_26, SgtBeansprout_19, Shadow1_21, Shaka_27, Sham4_28, Shaobing_23, ShayRa_31, SheaKeira_28, SheckWes_17, ShedlockHolmes_22, Sheen_29, SheldonCooper_28, ShiaSurprise_23, Shygu2_27, SirPhilip_22, Skipitt_27, Slarp_24, Slimphazie_23, Smeadley_24, Smeagan_30, SmellyB_31, SnapTap_28, Snape_28, Snickers_29, SoYo_29, SoilDragon_29, SororFago_28, Soshari_31, Soups_30, Sparxx_27, Spike509_29, Spino_27, Spock_23, Spooky_20, Spouty_29, Squiddly_22, Stagni_29, StarStuff_31, Stasia_28, SteamedHams_20, Steamy_29, Stephig9_24, Stink_28, Stinson_23, Strosahl_30, Sulley_23, SummitAcademy_17, Sunflower1121_21, SuperAwesome_31, SuperCallie99_31, Superchunk_27, Survivors_20, SweatNTears_20, SweetiePie_28, Swirley_24, Switzerland_30, SydNat_24, Syra333_22, TBond007_22, TClif_23, TNguyen7_27, Tachez_23, TaiwanKao_24, Taquarus_27, TarsusIV_28, Tarynearal_23, Taurus_29, Texage_27, Thanksgivukkah_27, Theia_22, Tierra_22, Tiffany_29, Tiger_24, Timothy_28, Timshel_28, TinaFeyge_27, TiniBug_23, TinyTimmy_27, Tinybot_26, TipsytheTRex_27, Tiri_23, TiroTheta9_27, Toaka_27, Todacoro_28, Tolls_20, Tomathan_31, ToneTone_29, Topanga_27, Topper_23, TreyKay_23, TribbleTrouble_21, Trike_25, Trixie_31, Troje_18, Trooper_28, TroyPia_27, TruffulaTree_23, Tubs_30, Tucker_31, Turbido_30, Twister_27, Twitch_23, TygerBlood_27, Typhonmarchy_19, Ugenie5_27, Ulysses_26, Unicorn_22, UnionJack_24, Updawg_30, Urkel_23, VA6_28, VC3_31, Validus_23, Vanisoa_27, Veliki_23, Veracruz_27, Vine_19, Vix_29, VohminGhazi_31, Waits_30, WalterMcMickey_27, Wander_27, Watson_29, Whabigail7_30, Whitney_21, WideWale_30, Wiks_31, Wilbur_27, Wile_27, Wintermute_24, Wizard007_27, Wooldri_31, Wrigley_20, WunderPhul_31, Xena_27, Ximenita_23, Yakult_19, Yarn_17, Yecey3_29, YoSam321_27, Yokurt_31, YoureAdopted_22, Yummy_19, Yunkel11_23, Zabiza_24, Zaka_31, Zavala_23, Zetzy_28, Zimmer_30, Zolita_23, Zulu_31,

Genes that have the "Most Annotated" start but do not call it:

- Aliter_30, Alma_30, Amgine_21, Amohnition_22, AndPeggy_17, BabyBack_30, Biskit_19, BobSwaget_31, BritBrat_20, Burnsey_18, CherryonLim_19, Cindaradix_26, CloudWang3_31, Colin_32, Darrell_30, DekHockey33_30, Eidsmoe_30, Ekdilam_20, Elliott_18, Fefferhead_22, GTE2_16, GoldHunter_19, HortumSL17_30, Jordennis_31, Juliette_24, Kalpine_31, Krueger_22, Lokk_31, MAnor_18, MarysWell_23, Miramae_27, MissDaisy_24, Myxus_30, Nodigi_20, Noelle_27, PackMan_30, Paphu_26, Phaeder_30, Pons_18, PotPie_18, PsychoKiller_18, Qobbit_30, RedBaron_19, Reptar3000_24, SketchMex_17, Sopespian_18, StepMih_29, SwirlSquare_30, Taquito_22, WeiHuaDA_34, XianYue_28, Y10_24, Y2_24, Zareef_22,

Genes that do not have the "Most Annotated" start:

• 244_26, 32HC_26, 8UZL_21, A6_25, ABCat_23, AFIS_27, APunk_36, Abblin_35, Abbyshoes_28, Abrogate_280, Abscondus_47, Acme_29, Acquire49_18, Adahisdi_28, Adelaide_17, Adnama_27, Adora_20, Aegeus_18, Aeneas_29, Affeca_33, Agaliana_28, Agent47_21, Aggie_18, Agueybana_19, Ailee_33, Ajay_28, Akhila_17, Alatin_23, Aleemily_19, Alexphander_18, Ali17_31, Alkhayr_54, Alpacados_22, AlpineSix_16, Alsfro_31, Altman_29, AlumE_19, Alvin_28, Amao_24, AmericanBeauty_27, Amochick_22, Amymech_22, Andies_18, Angel_18, Angelicage_33, Anglerfish_28, AngryOrchard_22, Annalisa_20, Annihilator_18, Antonio_19, Antsirabe_18, Aphelion_48, Apiary_45, AppleCloud_21, Applejack_27, Appletree2_18, Arcanine_28, Archie_18, Archimedes_16, Archis_20, ArcusAngelus_16, Ardmore_16, Argent26_26, Arianna_19, Arib1_19, Ariel_34, Arlo_26, Aroostook_18, Arri_34, Arti_41, Ashballer_27, Ashertheman_35, Ashwin_58, Asriel_23, Atcoo_19, Atkinbua_29, Attis_17, Aubs_16, Auspice_28, AvadaKedavra_18, Avani_19, Avocado_18, Avrafan_18, Awesomesauce_17, Ayotoya_22, Aziz_32, Azrael100_39, Azula_21, BAKA_34, BBQValindra_19, BK1_25, BPBiibs31_28, BPs_18, BQuat_18, BabeRuth_18, BaboJay_23, Babsiella_19, Bachita_50, BackstagePass_19, BaconJack_29, BadStone_23, Baddon_34, Bakery_32, Balomoji_23, Bantam_30, Baoshan_17, Barb_33, Barbarian_23, Barco_19, Barkley26_18, Barriga_27, Barsten_35, Bartholomew_19, Bask21_24, BatStarr_19, Batiatus_16, Baudelaire_18, Baumdotcom_34, BaxterFox_18, Bazzle_18, Beakin_17, Beatrix_27, Beelzebub_54, Beenie_20, BeesKnees_28, Begonia_20, Belenaria_23, Bellis_19, Belphegor_33, Bench_26, Bernal13_19, Bethlehem_27, BetterKatz_22, Bexan_26, BiPauneto_44, Bialota_19, Bibwit_34, Big3_27, BigBubba_25, BigCheese_18, BigMau_29, BigNuz_18, BigPaolini_28, BigPhil_17, Bigfoot_26, BilboSwaggins_24, BillKnuckles_28, Bipolar_16, Bipper_24, Bircsak_27, Bizzy_35, Bjanes7_17, Blackbeetle_50, Blarby_20, Blessica_57, Blexus_16, BlingBling_19, Blino_19, BluSpix_27, BlueCrab_16, BlueNGold_100, Blue_27, Blueberry_21, Bob3_26, BobBob_32, BobaPhett_16, Bobby_38, Bobi_18, BobsGarage_18, Bock_22, BodEinwohner17_16, Bogie_18, Bombitas_33, Bonanza_23, Bones_27, Bongo_28, Bonum_44, Boomer_17, Boopy_101, BoostSeason_19, Bora_54, Bosection6_18, Bosnia_19, Bowser_19, BoyNamedSue_19, Bradshaw_23, Bran_17, Brandonk123_36, Braxoaddie_45, Breezona_18, Bricole_28, Briton15_29, Brocalys_16, Bromden_19, BruceB_18, Bruin_24, Brujita_19, Bruns_26, Brusacoram_19, BrutonGaster_36, Bryce_23, Brylie_22, Bubbles123_17, Buck_23, Buggaboo_42, BugsBunny_22, Bunker_19, Bunnies_19, Bunnybear_18, Burton_28, Burwell21_16, Butters_18, Buttons_29, BuzzLyseyear_18, Bxb1_25, ByChance_16, Byougenkin_16, C3PO_31, CLED96_18, Cabrinians_16, CactusJack_19, CactusRose_26, Cactus_25, Cafasso_19, Calm_18, Cambiare_19, Camri_18, Camster_19, Caprice_47, CaptainKirk2_19, CaptainTrips_17, Carcharodon_18, Cardigan_47, Carlyle_29, CarolAnn_19, CassieYates_18, Catdawg_56, Cedasite_18, Cerasum_17, ChadMasterC_35, Chanagan_26, Chance64_18, Charlie_18, Charming_35, Chaser_18, Che8_16, Che9d_19, Cherrybomb426_18, Chevrolet_15, Chewbacca_18, ChewyVIII_56, Chickadee_32, ChickenDinner_17, Chop_22, ChosenOne_23, ChotaBhai_24, Chuckly_16, Ciao_27, CicholasNage_18, Cjw1_24, ClamChowder_33, Clap_17, Clark_20, Clarkson_51, Claus_18, Clautastrophe_19, Clifton_16, Clown_35, ClubL_48, Coco12_18, CoffeeBean_45, Coleslaw_18, Collard_21, Colleen_19, Command613_25, Commandaria_43, ConceptII_29, Constella_31, Contagion_23, Cookies_24, Corazon_48, Coriander_19, Corndog_59, Cornucopia_17, Corvo_28, CosmicSans_23, Cosmo_40, Courthouse_34, Cracklewink_24, Crespo_18, Crispicous1_26, Crossroads_18, Cruella_31, Crumble_16, CrystalP_24, Cucurbita_50, Cueylyss_27, Culver_48, Cynthia_17,

Czyszczone1_25, DD5_28, DLane_16, DMoney_18, DNAll_0018, DRBy19_16, DS6A_21, DaWorst_18, DaddyRickover_16, Daegal_23, Daenerys_16, Daikon_22, Dalilpop_46, Dante_16, Danyall_33, Daredevil_29, Darionha_18, Darwin_34, DatBoi_31, DeadP_16, Deb65_16, DeepSoil15_22, DelRio_23, Delian_19, Delrey21_34, Demsculpinboyz_19, Denise_17, Derg_32, Dewey_22, Dexdert_33, Dexes_28, DillTech15_16, Diminimus_29, Dina_17, Dinger_23, DirkDirk_18, DirtMcgirt_17, DirtyBoi_20, DismalFunk_19, DismalStressor_19, Dmitri_19, DmpstrDiver_35, DobbysSock_19, DocMcStuffins_17, DoctorDiddles_24, DoctorFroggo_34, Dogfish_21, Doggs_18, Dolores_20, DonkeyMan_18, Donkeykong_16, Donovan_19, Doom_28, Doomphist_16, Dorito_19, Dorothy_16, DosHalletts_17, DotProduct_16, Doug_17, Douge_18, Dove_35, DrDrey_25, DrFeelGood_26, DrSeegs_18, Drago_17, DreamCatcher_30, Dreamboat_28, Dulcie_26, Dulcita_29, Dumbo_24, DumpsterDude_19, DuncansLeg_19, Duplicity_18, Dusk_23, Dussy_28, Dusty_46, Dylan_56, Dynamix_28, Dynamo_19, DyoEdafos_19, ECartman_18, EMoore_31, Easley_20, Easy2Say_26, Ebert_17, EdmundFerry_31, EdnaMode_17, Edtherson_28, Ein37_22, Eish_16, Ejimix_37, EleanorGeorge_16, Elite2014_23, Ellson_19, Elph10_25, Emianna_41, Emma_16, Emmina_25, Empress_17, Enby_17, Enceladus_18, Engineer_49, EniyanLRS_37, Ennea_47, Eradicator_16, Erik_23, Espica_23, Espresso_27, Estave1_16, Estes_33, Eudoria_19, Euphoria_27, Eureka_24, Evamon_31, Evanesce_22, Eviarto_19, Ewald_22, Eyeball_27, Eyes_19, Eyre_17, FF47_21, Fairfaxidum_19, Faith1_18, Faith5x5_17, Fajezeel_29, Familton_57, Fancypants_16, Farewell_16, Fascinus_26, Fastidio_16, FeliMaine_50, Fenn_28, Fenry_18, Feyre_21, Filch_25, Filuzino_16, Findley_19, Finemlucis_18, Finkle_19, Finnry_19, FireRed_24, Fireball_32, Firecracker_57, Firehouse51_17, FirstPlacePfu_19, Fishburne_19, Fitzgerald_33, FlagStaff_18, Flapper_45, Flathead_17, Flatwoods_35, Float294_43, Florinda_16, Flypotenuse_22, Forge_22, Forsytheast_26, Forza_101, Fosterous_33, FoulBall_53, Foxboro_42, Francis47_27, Francois_22, Frankie_17, FreddyB_16, Froghopper_28, Frokostdame_19, Frosty24_18, Fruitloop_16, Fryberger_53, Fugax_33, Fulbright_18, Fury_50, Fushigi_28, GAL1_20, GEazy_19, GMA1_19, GMA2_30, GRU1_31, GTE5_32, GTE6_32, GTE8_30, GUmble_16, Gabriela_18, Gaea_34, GageAP_29, Gage_26, Gaia_16, Galactic_16, Galadriel_35, Gambino_21, Gancho_21, Gandalf20_28, Gandolph_16, Gardann_18, GardenSalsa_32, Gator_22, Gattaca_49, GemG_17, Gemini_27, GenevaB15_32, Gengar_21, Geodirt_32, Geralt_16, Gex_18, Gezellig_32, Ghobes_16, Gideon_18, GigiOuiOui_16, Giles_22, Girafales_17, Girr_16, Gizermo_17, Glaske16_29, Glaske_19, Glexan_22, GodonK_89, Goku_24, GoldenAsh_18, GoldenSpark_26, Goldilocks_25, Gollum_23, Gomashi_18, Gompeii16_27, Gonephishing_32, GooberAzure_26, Gorge_16, Graduation_29, GrandSlam_22, Gravallia_22, GreaseLightnin_19, GrecoEtereo_29, Greg_29, Grizzly_18, GrootJr_43, Guacamole_19, Gudmit_18, Guey18_58, Guillsminger_21, Gustav_18, Gustavo_34, GuuelaD_18, GuyFagieri_45, Gwendoluna_30, Gyzlar_29, HC_19, HH92_22, HUHilltop_19, Hades_16, Hadrien_22, Hafay_18, Hail_22, Halena_18, Haley23_17, Halo3_32, Halo_18, Hami1_29, Hamood_22, Hamulus_16, HanKaySha_25, HanShotFirst_27, Hannaconda_31, HannahD_19, Hans_35, Harella_23, Harlequin_23, Harley_16, HarryOW_28, Hedwig_20, Heftyboy_21, Hegedechwinu_17, Heinz_19, Henry_24, Hermia_30, HermioneGrange_27, Herod_19, Hibiscus_18, Highbury_25, Hilltopfarm_24, Hiro_23, Hitter_19, Hlubikazi_16, Holt_25, Homines_27, Hoonter_26, Hope4ever_27, Hope_18, Hopey_26, Hortense_20, Hotshotbaby7_18, Howe_20, HubbaBubba_40, HufflyPuff_23, Hughesyang_35, Hugley_19, Huphlepuuff_52, Hyzer_19, IDyn_42, IHOP_24, ILeeKay_29, IPhone7_28, IbOuu_16, Ibhubesi_16, Ibrahim_19, Icee_23, Ichabod_28, IdentityCrisis_17, Idergollasper_56, IgnatiusPatJac_26, Inca_23, Inspectinfecti_34, Inventum_16, InvictusManeo_21, IrishSherpFalk_17, Island3_19,

Itos_18, JC27_29, JCole_17, JKSyngboy_32, Jabbawokkie_21, Jabberwocky_33, Jace_17, JackSparrow_28, JacoRen57_17, JalFarm20_18, Jalammah_21, Jambalaya_31, James_16, Jamie19_18, Jane_18, JangDynasty_56, Jarcob_16, JasperJr_19, Jasper_28, JeTaime_26, Jebeks_19, Jerm2_28, Jester_23, Jifall16_40, Jinglebell_16, Job42_19, Jobypre_19, JoeDirt_18, JoeyJr_16, JoieB_51, Jojo24_18, Jolene_18, Jolie2_18, JonJames_47, Jonghyun_18, JorRay_18, Jorgensen_27, Journey_19, JuJu_19, Jubie_19, Juice456_18, Juicebox_19, JuliaChild_29, Jung_19, Juniormint_19, Juniper1_16, JustASigh_18, KBG_28, KSSJEB_27, Kabluna_44, Kahlid_18, Kalah2_37, Kamashten_34, Kanely_28, Kanye_26, KappaFarmDelta_19, Kareem_18, Karhdo_16, Kari_19, Kasen3_18, KashFlow_28, Keelan_51, Keitabear_35, Kenmech_30, Kenuha5_16, Kevin1_18, Kewpiedoll_34, KiSi_22, KidneyBean_41, Kiko_20, KilKor_19, Killigrew_25, Kimberlium_18, Kimchi1738_31, Kimchi_26, KimmyK_33, Kinbote_22, KingMidas_17, Kingsley_17, Kingsolomon_19, Kita_19, Klein_37, Koella_16, Kostya_24, Krakatau_17, Kratio_20, Krili_55, Krishelle_23, KristaRAM_17, Kroos_35, Krypton555_19, Ksquared_19, Kudfre_27, Kugel_28, Kumao_28, Kurt_41, Kwekel_32, Kwobi_35, KyMonks1A_29, Kykar_25, Lamberg_17, Lamina13_27, Langerak_19, LastJedi_16, Latretium_17, LeBron_18, LeMond_22, Lederberg_17, Lemuria_19, Lennon_35, Leonard_33, Leozinho_17, Leperchaun_16, Lesedi_26, Leston_21, Lewan_18, Licorice_29, Liefie_18, LilBib_28, LilDestine_18, LilHam_32, LilHazelNut_22, LilMoolah_16, LilSpotty_18, Lilac_26, Lilbeanie_30, Lilbit_51, LilhomieP_27, Lilizi_26, Lillie_23, Lilpickle_23, LittleE_37, LittleLaf_50, LittleShirley_17, Lizziana_16, Llama_16, Llij_16, Loadrie_18, Lockley_27, Lollipop1437_46, Lolly9_19, Lopton_28, LordFarquaad_17, Lorde_17, LouisV14_18, Love_38, Lozinak_48, Lton_17, Lucky2013_34, Luke_22, Lumos_19, Luna22_22, LunaStella_18, Lysidious_20, MACKerman_18, MISSy_23, MPhalcon_23, MPlant7149_26, MacGully_50, Maco6_19, MadKillah_57, MadamMonkfish_24, Madeline_19, Madiba_17, MagicMan_19, Magnar_27, Magnito_26, Magsby_18, Mahavrat_16, Mahdia_18, Majeke_19, Makemake_27, Malachai_20, MalagasyRose_24, Malibo_20, Malithi_19, Manasvini_19, Manatee_28, Manda_25, Mandlovu_16, Mangethe_19, Mantra_16, Maravista_16, Marcell_27, Marchy_25, Marcoliusprime_19, Mareelih_99, Marge_28, Maridalia_18, Marietta_43, Marker_17, Marmie_18, Maroc7_26, Marsha_27, Marshmallow_24, Martik_16, Marvin_48, MaryBeth_27, MaryV_40, Maselop_45, Matteo_17, Mattes_16, Maxxinista_25, Mbo4_17, McGuire_28, McKinley_37, Mcklovin_20, Megiddo_19, MelBins_34, Melba_19, Melissauren88_16, Mellie_18, Melville_18, Mendokysei_18, MerCougar_42, Mercurio_20, MetalQZJ_27, Meyran_21, MiaZeal_34, MichaelScott_20, MichelleMyBell_18, Michley_27, MilanaBonita_17, Miley16_18, MilleniumForce_17, Milly_19, Mindy_24, Minerva_37, MiniLon_19, MiniMac_19, MinionDave_17, Miniwave_24, Minnie_17, MintFen_19, Miryou_21, Misfit_24, Misha28_17, Miskis_50, MissRona_21, MisterCuddles_16, MkaliMitinis3_18, Mocha12_17, ModicumRichard_19, Modragons_16, Moldemort_25, Molly_28, Mollymur_31, Monet_29, MooMoo_16, Moonbeam_17, MoontowerMania_34, Moose_26, Moosehead_17, Moostard_19, Morgana_19, Mori_56, Morrissey_19, MosMoris_48, Mosby_23, Mova_17, Mowgli_18, Mozy_17, MrGordo_27, MrMagoo_32, Mryolo_26, Ms6_16, MsGreen_19, Muddy_21, Mufasa_19, MulchSalad_16, Mulch_22, Mule_27, Murai_57, Murica_23, Murp_19, Murphy_25, Museum_29, Mutaforma13_16, Mutzi_33, MyraDee_25, Myrale_24, NEHalo_27, Nadeem_22, NadineRae_41, Naiad_23, Naira_28, Nairb_19, Nala_24, Nancinator_23, NancyRae_22, Nanosmite_32, NatB6_41, Natkenzie_35, Natosaleda_23, Nazo_18, Nebkiss_17, Necropolis_19, NelitzaMV_24, Nенаe_18, Neobush_19, Nergal_22, Nerujay_28, Nettuno_17, Netyap_18, Neville_28, Nhonho_27, Nicholas_19, Nicholasp3_18, NiebruSaylor_55, Nimbo_16, Nimrod_24, Nitzel_17, Nivrat_16, Niza_29, NoShow_18, NoSleep_25, Nordenberg_29,

NormanBulbieJr_16, Norvs_49, Norz_29, NosilaM_44, NovumRegina_41, Nubi_31, Nyceirae_23, Nymphadora_19, OBUpride_22, ObLaDi_19, Obliviate_18, Ochi17_16, OctaviousRex_18, Octobien14_28, Odette_36, OfUltron_16, Ogoopogo_19, OhShagHennessy_18, Ohgeesy_19, Ohno789_27, OkiRoe_21, Oksu_17, OldBen_16, Olga_18, OlympiaSaint_16, Omega_36, OneDirection_17, OneUp_42, Oogway_26, Opie_19, Optimus_35, Oregano_20, OrionPax_25, Oscar_22, Outis_42, Ovechkin_16, OwlsT2W_18, P1201_47, PCoral7_19, PHappiness_16, PMC_16, PSonyx_17, PSullivan_29, Pacc40_16, Pace1224_18, PacerPaul_27, Paito_18, Palpatine_24, Panchino_18, PantheRoc_18, Paola_21, Paperbeatsrock_26, Papez_29, Parada_22, Paraselene_26, Pari_28, Paries_37, Parliament_26, ParmesanJohn_18, Partridge_23, PascalRango_26, Pat3_23, Patio_44, PattyP_29, Payneful_26, Peeb_18, PegLeg_28, Pelly_28, Pepe_28, Pepperoni_17, Periodt_18, Perseus_28, Peterson_30, PeteyPab_33, Petp2012_29, Petra64142_26, Petra_21, Petruccio_28, PhailMary_22, Phaja_24, Phalconet_16, Phalm_19, PhancyPhin_18, Phanphagia_16, Pharsalus_25, Phasih_17, PhatBacter_24, Phatniss_17, Phauci_26, Phaux_23, Phayonce_18, Phegasus_19, Phendrix_87, PherrisBueller_28, PhesterPhotato_16, Pheonius_18, Philus_16, Phinally_33, Phineas_19, PhinkBoden_48, Phish_18, Phishy_22, Phlop_31, Phloss_18, Phoebus_36, Phomeo_40, Phrankenstien_23, Phrann_18, Phreak_18, PhriskyACE_19, PhrostedPhlake_20, PhrostyMug_27, Phrux_24, Pickett_17, Pimento_22, PinkCoffee_33, PinkPlastic_26, PinkYoshi_18, Pinnie_19, Pinto_30, Piper2020_17, Pipp_19, Pippin_29, Pippy_16, Pipsqueaks_18, Pita2_29, Plagueis_18, Pleakley_50, Plumbus_17, Poenanya_16, Poise_50, Policronamos_24, Polka14_17, Polkaroo_19, Polly_19, Polyuyki_45, PopTart_16, Porcelain_33, Porky_24, Portcullis_31, PotatoChip_34, Poushou_19, Powerball_19, PrincePatrick_19, Pringar_50, Priscilla_16, PullumCavea_31, Pumpkin_26, Puppies_18, Purgamenstris_18, Purky_18, Pygmy_18, QTRlifeCrisis_27, Quallification_25, QueenHazel_19, QuickMath_17, Quico_17, REQ2_20, REQ3_50, RER2_16, RGL3_16, Rabbitrun_30, Rabbs_18, Radiance_16, Raela_50, Rajelicia_27, Rakim_25, Ramsey_17, Rasputin_23, RavenCo17_17, RayTheFireFly_19, Raymond7_18, Rebel_18, RedBird_16, RedRaider77_50, Redi_18, Redno2_35, Reindeer_26, Rem711_25, Remy19_18, Renaissance_18, RexFury_23, Rey_32, Reyja_19, Rhodalysa_23, Rhynn_27, Rialto_18, Ribeye_35, RidgeCB_27, Rimmer_23, Ringer_27, RitaG_16, Rita_16, RiverMonster_24, RiverRaider_36, RoadKill_30, Rockne_16, RockyHorror_17, Rofo_35, RogerDodger_34, Rohr_28, RonRayGun_19, Ronaldo_56, Rose5_18, Royals2015_16, Rubeelu_18, Rubeus_28, Ruby_16, Rufus_28, Rumpelstiltskin_18, Ruotula_26, Rutherford_29, Ruthy_19, Ryadel_60, SG4_16, STLscum_28, Saal_16, Sagefire_28, Sahara_17, Saints25_25, Salvador_31, SamW_17, Samba_19, Samman98_20, Sampson_35, Samty_19, Sandaddy_26, Sandalphon_17, Sanjuju_33, Santhid_18, Sanya_26, Sapo_16, SarFire_27, Sarma624_17, Saronaya_34, Sassafras_16, Sassay_23, SassyB_16, Savage_17, Savbucketdawg_31, Scarlett_22, Schatzie_34, Schiebel_18, Schnabeltier_19, Schnauzer_18, SchoolBus_56, SchottB_33, Schuy_57, Scioto_35, Scitech_18, Scottish_17, Scowl_28, Seabastian_16, Seabiscuit_29, Seagreen_17, Seanderson_28, Sedona_35, Sekhmet_20, Sephiroth_28, ShaboiShabazz_18, ShamWow_24, Shauna1_16, ShereKhan_26, ShiLan_16, Shida_56, Shinji_31, Shipwreck_18, Shivanishola_36, Shlim410_20, ShortQueendom_26, ShowerHandel_16, ShrimpFriedEgg_18, ShroomBoi_16, Shuman_23, Shweta_18, SiSi_16, Sibs6_29, Sidious_19, Silvafighter_18, Silverleaf_18, Silvy_18, Simpliphy_25, SimranZ1_17, SirDuracell_23, Sitar_35, Sixama_99, Sizemore_18, SkiPole_29, SkinnyPete_18, Skinny_29, Skysand_43, Slagathor_28, Sleepyhead_18, SlimJimmy_27, Smairt_28, Smeagol_29, SmokingBunny_31, Smooch_59, Smoothie_49, Smurph_18, Snazzy_26, Sneeze_18, Snekmaggedon_18, Snenia_19,

SoSeph_21, SoilAssassin_17, Solon_27, Sonah_19, SophKB_24, Sorpresa_26, Sotrice96_24, Soul22_19, Sparkdehlily_16, Sparky_16, SpeedDemon_320, SpikeBT_29, Spikelee_17, SpongeBob_18, Spoonbill_16, Sproutie_17, Squee_28, Squint_33, Squirty_17, StAB_17, StAnnes_16, StCroix_23, Stank_27, Stap_17, StarStruck_42, Starceвич_17, Stargaze_18, Stark_25, StellaBean_24, StevieRay_19, StewieG_26, Stickynote_33, Stiles_17, StolenFromERC_26, StorminNorm_34, StressBall_19, Strobilo_19, Strokeseat_16, StrongArm_26, Stultus_33, Suerte_18, Sukkupi_43, Sumter_26, Sunshine924_26, SuperGrey_17, SuperSulley_42, Superphikiman_34, Suscepit_19, SwagPigglett_16, Swann_23, Sweets_18, SwissCheese_28, Switzer_28, Swole_29, Syleon_28, TBrady12_26, TChen_17, TDanisky_16, TM4_19, TPA4_19, TWAMP_23, Taheera_18, Taj_16, Takoda_23, Tangent_35, Tangerine_34, Tapioca_18, Tardus_36, Target_30, Tarkin_26, TaronosaurusRx_19, Tarzan_18, Tasp14_28, Tayonia_19, TeardropMSU_23, Teaspoon_25, Techage_19, TelAviv_53, Teodoridan_25, Terminus_24, Terror_18, Tesla_49, ThankyouJordi_18, TheloniousMonk_29, Thespis_19, Thibault_33, Thimann_20, Thing3_34, Thor_27, ThreeRngTarjay_35, Thresher_25, ThulaThula_18, Thyatira_21, Tiamoceli_33, TillyBobJoe_31, TimTam_19, TinyDot_19, Toast_19, Togo_31, TomBrady_18, Tomaszewski_23, Toniann_48, TootsiePop_17, Tootsieroll_17, Topgun_27, Tortellini_18, Tote_29, Totinger_17, Toto_24, TouchMeNot_19, Tourach_18, Traaww1_22, Tracker_41, Traft412_29, Trax_28, Treddle_29, Trine_18, Tripl3t_28, Trouble_28, Troy_17, Trumpet_19, Tuco_25, TuertoX_17, Turj99_26, Turuncu_45, Tweety_16, Twinkle_20, Twister6_33, TwoPeat_28, Twonlo_30, TyDawg_28, Tycho_34, Typha_24, Tyson_18, U2_27, UPIE_18, Ubuntu_22, UhSalsa_23, Ukulele_24, UmaThurman_19, UncleRicky_17, Upyo_18, Utz_19, VRedHorse_16, Valary_34, VanDeWege_34, VanLee_20, Vasanti_17, VasuNzinga_50, Velveteen_17, Venti_19, Verity_34, Veteran_16, Vetrix_18, ViaConlectus_35, Vidya_19, Violet_26, Vivi2_37, Volt_55, Vordorf_22, Vorrps_56, Wachhund_16, Walrus_20, Wamburgrxpress_18, Wanda_37, Waterfoul_21, Watermelon_29, Webster2_22, Wee_17, WeirDo19_19, WelcomeAyanna_18, Whack_18, Whatsapiecost_16, WheatThin_22, Wheeler_27, Wheezy_41, Whirlwind_20, Whiteclaw_17, Whitty_19, WhoseManz_43, Whouxphf_16, Widow_18, Wiggin_27, Wigglewiggle_18, Wildcat_40, Wilder_18, Wildflower_56, Wilkins_27, WillSterrel_17, Willez_23, WilliamBoone_48, William_19, Willsammy_19, Winget_57, WinkNick_20, Winky_18, Wishmaker_22, Wisp_18, Wizard_31, Wocket_20, Wyatt2_18, XFactor_16, Xandras_26, Xavia_19, Xeno_18, Xerxes_18, Xula_18, YassJohnny_25, Yeet412_17, Yeezy_20, Yndexa_43, Yogi_23, Yoncess_23, Yorick_16, YorkOnyx_35, Yoshi_19, Youngblood_24, Yuna_24, YungJamal_61, YungMoney_33, Yvonnetastic_45, ZAYM_19, Zakai_18, Zakhe101_56, Zameen_19, Zapner_20, Zarbodnamra_19, Zaria_18, Zeeculate_27, Zelink_38, ZenTime222_19, Zephyr_27, Zerg_16, Zeuska_28, ZhongYanYuan_17, ZiggyZoo_18, Ziko_56, Zilizebeth_19, Zion_34, Zipp_34, Zirinka_19, Zitch_36, Zizzle_16, ZoMa_18, ZoeJ_19, Zombie_18, xkcd_25,

Summary by start number:

Start 18:

- Found in 5 of 2322 (0.2%) of genes in pham
- Manual Annotations of this start: 5 of 2146
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azrael100_39 (V), Cosmo_40 (V), EniyanLRS_37 (V), MaryV_40 (V), Wildcat_40 (V),

Start 90:

- Found in 30 of 2322 (1.3%) of genes in pham
- No Manual Annotations of this start.
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Gezellig_32 (DC1), Shinji_31 (DC1),

Start 98:

- Found in 19 of 2322 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 5.3% of time when present
- Phage (with cluster) where this start called: Appletree2_18 (L1),

Start 100:

- Found in 40 of 2322 (1.7%) of genes in pham
- No Manual Annotations of this start.
- Called 2.5% of time when present
- Phage (with cluster) where this start called: FF47_21 (AB),

Start 102:

- Found in 4 of 2322 (0.2%) of genes in pham
- Manual Annotations of this start: 4 of 2146
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bipper_24 (Y), Cracklewink_24 (Y), Hilltopfarm_24 (Y), Typha_24 (Y),

Start 107:

- Found in 83 of 2322 (3.6%) of genes in pham
- Manual Annotations of this start: 72 of 2146
- Called 97.6% of time when present
- Phage (with cluster) where this start called: Affeca_33 (DE1), Ailee_33 (DE1), Angelicage_33 (DE1), Arri_34 (DC1), Ashertheman_35 (DE1), Baddon_34 (DE1), Bakery_32 (DC1), Barb_33 (DC1), Barsten_35 (DE1), Baumdotcom_34 (DE1), Bibwit_34 (DE1), Bizzy_35 (DE1), BobBob_32 (DE1), Brandonk123_36 (DE1), ChadMasterC_35 (DE1), Charming_35 (DE1), ClamChowder_33 (DC1), Clown_35 (DC2), Danyall_33 (DC1), Derg_32 (DE1), Evamon_31 (DC1), Fireball_32 (DC1), Fitzgerald_33 (DE1), Flatwoods_35 (DE1), Fosterous_33 (DE1), Fugax_33 (DC1), Gaea_34 (DE1), Galadriel_35 (DE1), Geodirt_32 (DE1), Gustavo_34 (DE1), Halo3_32 (DC1), JKSyngboy_32 (DE1), Jabberwocky_33 (DE1), Jambalaya_31 (DC1), Kamashten_34 (DE1), Keitabear_35 (DE1), Kewpiedoll_34 (DE1), KimmyK_33 (DC1), Kroos_35 (DE1), Kwobi_35 (DE1), Lennon_35 (DE1), LilHam_32 (DE1), Love_38 (DE1), McKinley_37 (DE1), MoontowerMania_34 (DE1), Mutzi_33 (DC1), Nordenberg_29 (DE1), Nubi_31 (DC1), Paries_37 (DE1), Phlop_31 (DC1), PinkCoffee_33 (DC1), Portcullis_31 (DC1), PullumCavea_31 (DC1), Ribeye_35 (DE1), RiverRaider_36 (DE1), Rofo_35 (DE1), RogerDodger_34 (DC1), Salvador_31 (DC1), Sanjuju_33 (DE1), Saronaya_34 (DE1), Savbucketdawg_31 (DC1), SchottB_33 (DE1), Sedona_35 (DE1), Shivanishola_36 (DE1), Sitar_35 (DE1), SmokingBunny_31 (DC1), StorminNorm_34 (DE1), Stultus_33 (DE1), Tangent_35 (DE1), Tangerine_34 (DE1), Thing3_34 (DE1), TillyBobJoe_31 (DC1), Togo_31 (DC1), Twister6_33 (DC1), Tycho_34 (DE1), Valary_34 (DC1), VanDeWege_34 (DC1), Vivi2_37 (DE1), Wizard_31 (DC1), YorkOnyx_35 (DE1), YungMoney_33 (DC1),

Start 109:

- Found in 1 of 2322 (0.0%) of genes in pham

- Manual Annotations of this start: 1 of 2146
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yuna_24 (K6),

Start 110:

- Found in 6 of 2322 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Mercurio_20 (G4),

Start 112:

- Found in 1 of 2322 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lemuria_19 (G4),

Start 113:

- Found in 28 of 2322 (1.2%) of genes in pham
- Manual Annotations of this start: 2 of 2146
- Called 7.1% of time when present
- Phage (with cluster) where this start called: Murai_57 (O), Wildflower_56 (O),

Start 114:

- Found in 60 of 2322 (2.6%) of genes in pham
- Manual Annotations of this start: 2 of 2146
- Called 3.3% of time when present
- Phage (with cluster) where this start called: Bogie_18 (P1), GreaseLightnin_19 (P1),

Start 115:

- Found in 20 of 2322 (0.9%) of genes in pham
- Manual Annotations of this start: 3 of 2146
- Called 15.0% of time when present
- Phage (with cluster) where this start called: GardenSalsa_32 (M2), GenevaB15_32 (M2), MrMagoo_32 (M2),

Start 116:

- Found in 6 of 2322 (0.3%) of genes in pham
- Manual Annotations of this start: 4 of 2146
- Called 83.3% of time when present
- Phage (with cluster) where this start called: 8UZL_21 (AB), JacoRen57_17 (AB), Maco6_19 (AB), Muddy_21 (AB), NoShow_18 (AB),

Start 118:

- Found in 30 of 2322 (1.3%) of genes in pham
- Manual Annotations of this start: 26 of 2146
- Called 93.3% of time when present
- Phage (with cluster) where this start called: Alkhayr_54 (O), Ashwin_58 (O), Blessica_57 (O), Bora_54 (O), Catdawg_56 (O), Corndog_59 (O), Dylan_56 (O), Familton_57 (O), Firecracker_57 (O), FoulBall_53 (O), Idergollasper_56 (O), JangDynasty_56 (O), Krili_55 (O), MadKillah_57 (O), MalagasyRose_24 (AG), Mori_56 (O), Nergal_22 (AG), NiebruSaylor_55 (O), Ryadel_60 (O), SchoolBus_56 (O), Schuy_57 (O), Shida_56 (O), Smooch_59 (O), TelAviv_53 (O), Vorrps_56 (O), Winget_57 (O), YungJamal_61 (O), Zakhe101_56 (O),

Start 121:

- Found in 103 of 2322 (4.4%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 1.9% of time when present
- Phage (with cluster) where this start called: Amgine_21 (K6), ZAYM_19 (DB),

Start 122:

- Found in 3 of 2322 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 2146
- Called 66.7% of time when present
- Phage (with cluster) where this start called: DS6A_21 (singleton), TChen_17 (F4),

Start 124:

- Found in 19 of 2322 (0.8%) of genes in pham
- Manual Annotations of this start: 2 of 2146
- Called 10.5% of time when present
- Phage (with cluster) where this start called: Auspice_28 (M1), Rey_32 (M2),

Start 125:

- Found in 10 of 2322 (0.4%) of genes in pham
- Manual Annotations of this start: 8 of 2146
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Adelaide_17 (EP), Bran_17 (EP), Dina_17 (EP), Lederberg_17 (EP), SamW_17 (EP), StAB_17 (EP), Stiles_17 (EP), Troy_17 (EP),

Start 126:

- Found in 101 of 2322 (4.3%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 1.0% of time when present
- Phage (with cluster) where this start called: LilSpotty_18 (singleton),

Start 128:

- Found in 388 of 2322 (16.7%) of genes in pham
- Manual Annotations of this start: 10 of 2146
- Called 3.6% of time when present
- Phage (with cluster) where this start called: Aegeus_18 (L5), BabyBack_30 (A2), Baudelaire_18 (L5), BobSwaget_31 (A2), CloudWang3_31 (A6), Colin_32 (A2), Darrell_30 (A9), DekHockey33_30 (A15), Jordennis_31 (A6), Kalpine_31 (A2), Lolk_31 (A2), SwirlSquare_30 (A2), WeiHuaDA_34 (A2), XianYue_28 (A2),

Start 129:

- Found in 70 of 2322 (3.0%) of genes in pham
- Manual Annotations of this start: 45 of 2146
- Called 68.6% of time when present
- Phage (with cluster) where this start called: Arib1_19 (P1), Atcoo_19 (P1), Bartholomew_19 (P1), BigNuz_18 (P4), BritBrat_20 (CY2), Brusacoram_19 (P1), Bunnies_19 (P1), CactusJack_19 (P1), Camster_19 (P1), Donovan_19 (P1), Dynamo_19 (P1), FirstPlacePfu_19 (P1), Fishburne_19 (P1), Glaske_19 (P1), HUHilltop_19 (P1), Jebeks_19 (P1), Jung_19 (P1), Juniormint_19 (P1), Kari_19 (P1), KilKor_19 (P1), Ksquared_19 (P1), Langerak_19 (P1), Majeke_19 (P1), Malithi_19 (P1), Mangethe_19 (P1), Megiddo_19 (P1), Nazo_18 (P4), Necropolis_19 (P1),

Phalm_19 (P1), Phayonce_18 (P5), Phegasus_19 (P1), Phineas_19 (P1), Polkaroo_19 (P1), Purky_18 (P6), Pygmy_18 (P1), Shipwreck_18 (P1), Sonah_19 (P1), StevieRay_19 (P1), StressBall_19 (P1), Techage_19 (P1), Thespis_19 (P1), ThulaThula_18 (P5), Tortellini_18 (P2), Venti_19 (P1), Vidya_19 (P1), Willsammy_19 (P1), Xavia_19 (P3), Zilizebeth_19 (P1),

Start 130:

- Found in 45 of 2322 (1.9%) of genes in pham
- Manual Annotations of this start: 38 of 2146
- Called 95.6% of time when present
- Phage (with cluster) where this start called: Acquire49_18 (L1), AvadaKedavra_18 (L1), Bellis_19 (L3), Bromden_19 (L4), Calm_18 (L1), Chaser_18 (L4), CicholasNage_18 (L1), Clautastrophe_19 (L3), DirkDirk_18 (L1), Douge_18 (L4), DuncansLeg_19 (L3), DyoEdafos_19 (L4), Ellson_19 (L3), Enceladus_18 (L1), Finnry_19 (L3), Gaia_16 (X), Halena_18 (L1), Jobypre_19 (L3), JoeDirt_18 (L1), Jubie_19 (L3), Kingsolomon_19 (L3), Krypton555_19 (L3), LeBron_18 (L1), Lolly9_19 (L3), Lumos_19 (L3), MAckerman_18 (L1), MiniLon_19 (L3), MiniMac_19 (L3), Moostard_19 (L3), MsGreen_19 (L3), Nebkiss_17 (X), Nicholas_19 (L3), OhShagHennessy_18 (L1), Rose5_18 (L1), Samty_19 (L3), Silverleaf_18 (L1), Snenia_19 (L3), Tyson_18 (L1), UPIE_18 (L1), Wamburgxpress_18 (L1), Whirlwind_20 (L3), Wyatt2_18 (L1), Zaria_18 (L1),

Start 132:

- Found in 218 of 2322 (9.4%) of genes in pham
- Manual Annotations of this start: 199 of 2146
- Called 98.2% of time when present
- Phage (with cluster) where this start called: Akhila_17 (F1), Alexphander_18 (F1), AlpineSix_16 (F1), ArcusAngelus_16 (F1), Ardmore_16 (F1), Aubs_16 (F1), Awesomesauce_17 (F1), Batiatus_16 (F1), Beakin_17 (F1), BigPhil_17 (F1), Bipolar_16 (F1), Blexus_16 (F1), BlueCrab_16 (F1), BobaPhett_16 (F1), Bobi_18 (F1), BodEinwohner17_16 (F1), Boomer_17 (F1), Brocalys_16 (F1), Bubbles123_17 (F1), Burwell21_16 (F1), BuzzLyseyear_18 (F1), ByChance_16 (F1), Byougenkin_16 (F1), Cabrinians_16 (F1), CaptainTrips_17 (F1), Cerasum_17 (F1), Che8_16 (F1), Chevrolet_15 (F1), ChickenDinner_17 (F1), Chuckly_16 (F1), Clifton_16 (F1), Coco12_18 (F1), Cornucopia_17 (F1), Crumble_16 (F1), DLane_16 (F1), DRBy19_16 (F1), DaWorst_18 (F1), DaddyRickover_16 (F1), Daenerys_16 (F1), Dante_16 (F1), DeadP_16 (F1), Deb65_16 (F1), DillTech15_16 (F1), DocMcStuffins_17 (F1), Donkeykong_16 (F1), Doomphist_16 (F1), Dorothy_16 (F1), DosHalletts_17 (F1), DotProduct_16 (F1), Doug_17 (F1), Drago_17 (F1), Eish_16 (F1), EleanorGeorge_16 (F1), Emma_16 (F1), Empress_17 (F1), Enby_17 (F1), Eradicator_16 (F1), Estave1_16 (F1), Fancypants_16 (F1), Fastidio_16 (F1), Filuzino_16 (F1), Firehouse51_17 (F1), Flathead_17 (F1), Florinda_16 (F1), Frankie_17 (F1), FreddyB_16 (F1), Fruitloop_16 (F1), GUmbie_16 (F1), Galactic_16 (F1), Gandolph_16 (F1), Geralt_16 (F1), GigiOuiOui_16 (F1), Girafales_17 (F1), Girr_16 (F1), Gorge_16 (F1), Hades_16 (F1), Hamulus_16 (F1), Harley_16 (F1), Hegedechwinu_17 (F1), Hlubikazi_16 (F1), IbOuu_16 (F1), Ihubesi_16 (F1), Inventum_16 (F1), IrishSherpFalk_17 (F1), JalFarm20_18 (F1), James_16 (F1), Jarcob_16 (F1), Jinglebell_16 (F1), Job42_19 (F1), JoeyJr_16 (F1), Juice456_18 (F1), Juniper1_16 (F1), Karhdo_16 (F1), Kenuha5_16 (F1), Kimberlium_18 (F1), KingMidas_17 (F1), Kingsley_17 (F1), Koella_16 (F1), Krakatau_17 (F1), KristaRAM_17 (F1), LastJedi_16 (F1), Latretium_17 (F1), Leozinho_17 (F1), Leperchaun_16 (F1), LilMoolah_16 (F1), LittleShirley_17 (F1), Lizziana_16 (F1), Llama_16 (F1), Llij_16 (F1), Lorde_17 (F1), Madiba_17 (F1), Mahavrat_16 (F1),

Mandlovu_16 (F1), Mantra_16 (F1), Maravista_16 (F1), Marker_17 (F1), Martik_16 (F1), Mattes_16 (F1), Melissauren88_16 (F1), MilanaBonita_17 (F1), MilleniumForce_17 (F1), MinionDave_17 (F1), Minnie_17 (F1), Misha28_17 (F1), MisterCuddles_16 (F1), Modragons_16 (F1), Moonbeam_17 (F1), Mova_17 (F1), Mozy_17 (F1), Ms6_16 (F1), MulchSalad_16 (F), Mutaforma13_16 (F1), Nimbo_16 (F1), Nivrat_16 (F1), NormanBulbieJr_16 (F1), Ochi17_16 (F1), OfUltron_16 (F1), Ogotogo_19 (F1), Oksu_17 (F1), OldBen_16 (F1), OlympiaSaint_16 (F1), Ovechkin_16 (F1), OwlsT2W_18 (F1), PHappiness_16 (F1), PMC_16 (F1), Pacc40_16 (F1), Phalconet_16 (F1), Phanphagia_16 (F1), Phasih_17 (F1), Phatniss_17 (F1), PhesterPotato_16 (F1), Philus_16 (F1), Piper2020_17 (F1), Pippy_16 (F1), Plumbus_17 (F1), Poenanya_16 (F1), Polka14_17 (F1), PopTart_16 (F1), Priscilla_16 (F1), QuickMath_17 (F1), Quico_17 (F1), Radiance_16 (F1), Ramsey_17 (F1), RedBird_16 (F1), Rialto_18 (F1), RitaG_16 (F1), Rita_16 (F1), Rockne_16 (F1), RockyHorror_17 (F1), Royals2015_16 (F1), Ruby_16 (F1), SG4_16 (F1), Saal_16 (F1), Sandalphon_17 (F1), Sassafras_16 (F1), SassyB_16 (F1), Scottish_17 (F1), Seabastian_16 (F1), Seagreen_17 (F1), Shauna1_16 (F1), ShiLan_16 (F1), ShowerHandel_16 (F1), ShroomBoi_16 (F1), SiSi_16 (F1), SimranZ1_17 (F1), Sparkdehlily_16 (F1), Spikelee_17 (F1), Spoonbill_16 (F1), Squirty_17 (F3), StAnnes_16 (F1), Stap_17 (F1), Starceвич_17 (F1), Strokeseat_16 (F1), SuperGrey_17 (F1), SwagPiggett_16 (F1), TDanisky_16 (F1), Taj_16 (F1), TootsiePop_17 (F1), Tootsieroll_17 (F1), Totinger_17 (F1), Tweety_16 (F1), UncleRicky_17 (F1), VRedHorse_16 (F1), Velveten_17 (F1), Veteran_16 (F1), Wachhund_16 (F1), Wee_17 (F1), Whatsapiecost_16 (F1), Whouxphf_16 (F1), WillSterrel_17 (F1), XFactor_16 (F1), Yorick_16 (F1), Zerg_16 (F1), Zizzle_16 (F1),

Start 133:

- Found in 37 of 2322 (1.6%) of genes in pham
- Manual Annotations of this start: 29 of 2146
- Called 86.5% of time when present
- Phage (with cluster) where this start called: Ariel_34 (J), BAKA_34 (J), Bobby_38 (J), Bombitas_33 (J), Constella_31 (J), Courthouse_34 (J), DmpstrDiver_35 (J), Dove_35 (J), Ejimix_37 (J), Gonephishing_32 (J), Hannaconda_31 (J), Hughesyang_35 (J), Kalah2_37 (J), KashFlow_28 (J), Klein_37 (J), LittleE_37 (J), Lucky2013_34 (J), MiaZeal_34 (J), Minerva_37 (J), Nitzel_17 (F1), Odette_36 (J), Omega_36 (J), Optimus_35 (J), Phoebus_36 (J), Porcelain_33 (J), Redno2_35 (J), Schatzie_34 (J), Squint_33 (J), Thibault_33 (J), ThreeRngTarjay_35 (J), Wanda_37 (J), Zelink_38 (J),

Start 134:

- Found in 59 of 2322 (2.5%) of genes in pham
- Manual Annotations of this start: 40 of 2146
- Called 74.6% of time when present
- Phage (with cluster) where this start called: Aggie_18 (N), Andies_18 (N), BabeRuth_18 (N), Bosection6_18 (N), Butters_18 (N), Carcharodon_18 (N), Charlie_18 (N), Chewbacca_18 (N), Duplicity_18 (N), Fulbright_18 (N), Gex_18 (N), Jamie19_18 (N), Journey_19 (N), Kevin1_18 (N), Magsby_18 (N), MarysWell_23 (A5), Melville_18 (N), MichelleMyBell_18 (N), Nenae_18 (N), Panchino_18 (N), Parmesanjohn_18 (N), PhancyPhin_18 (N), Philonius_18 (N), Phloss_18 (N), Phrann_18 (N), Pipsqueaks_18 (N), Purgamenstris_18 (N), Raymond7_18 (N), Rebel_18 (N), Redi_18 (N), Rubeelu_18 (N), Schnauzer_18 (N), Scitech_18 (N), ShrimpFriedEgg_18 (N), Shweta_18 (N), Silvafighter_18 (N), Silvy_18 (N), SkinnyPete_18 (N), Smurph_18 (N), Snekmaggedon_18 (N), SpongeBob_18 (N), Tapioca_18 (N), Xeno_18 (N), Xerxes_18 (N),

Start 135:

- Found in 51 of 2322 (2.2%) of genes in pham
- Manual Annotations of this start: 8 of 2146
- Called 27.5% of time when present
- Phage (with cluster) where this start called: AndPeggy_17 (CT), Biskit_19 (CT), Burnsey_18 (CT), CherryonLim_19 (CT), Elliott_18 (CT), GoldHunter_19 (CT), MAnor_18 (CT), Nodigi_20 (CT), Pons_18 (CT), PotPie_18 (CT), PsychoKiller_18 (CT), RedBaron_19 (CT), SketchMex_17 (CT), Sopesian_18 (CT),

Start 136:

- Found in 2 of 2322 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 50.0% of time when present
- Phage (with cluster) where this start called: MooMoo_16 (singleton),

Start 137:

- Found in 138 of 2322 (5.9%) of genes in pham
- Manual Annotations of this start: 84 of 2146
- Called 60.9% of time when present
- Phage (with cluster) where this start called: 244_26 (E), ABCat_23 (E), Adnama_27 (E), Argent26_26 (E), BaboJay_23 (E), BadStone_23 (E), Balomoji_23 (E), BigBubba_25 (E), Buck_23 (E), Cactus_25 (E), ChosenOne_23 (E), Command613_25 (E), Contagion_23 (E), Cookies_24 (E), CrystalP_24 (E), Czystczon1_25 (E), DrDrey_25 (E), Dusk_23 (E), Elite2014_23 (E), Elph10_25 (E), Eureka_24 (E), Filch_25 (E), Fryberger_53 (DP), Gator_22 (E), Gemini_27 (E), Goku_24 (E), GoldenSpark_26 (E), Goldilocks_25 (E), GooberAzure_26 (E), Guey18_58 (DP), HanKaySha_25 (E), Highbury_25 (E), Holt_25 (E), Hoonter_26 (E), Kanye_26 (E), Keelan_51 (DP), Kimchi_26 (E), Kostya_24 (E), Lilac_26 (E), Lilizi_26 (E), Lilpickle_23 (E), LunaStella_18 (F4), MISSy_23 (E), MPhalcon_23 (E), MadamMonkfish_24 (E), Manda_25 (E), Miniwave_24 (E), Misfit_24 (E), Moldemort_25 (E), Myrale_24 (E), Nimrod_24 (E), NoSleep_25 (E), OrionPax_25 (E), Paperbeatsrock_26 (E), Pat3_23 (E), Pharsalus_25 (E), PhatBacter_24 (E), Paux_23 (E), Phrux_24 (E), Quallification_25 (E), Rimmer_23 (E), Ronaldo_56 (DP), Saints25_25 (E), ShamWow_24 (E), ShereKhan_26 (E), Simpliphy_25 (E), SirDuracell_23 (E), SophKB_24 (E), Sotrice96_24 (E), Stark_25 (E), StellaBean_24 (E), StolenFromERC_26 (E), Tarkin_26 (E), TeardropMSU_23 (E), Teaspoon_25 (E), Terminus_24 (E), Thresher_25 (E), Tomaszewski_23 (E), Traaww1_22 (E), Tuco_25 (E), Ukulele_24 (E), Volt_55 (DP), Wiggin_27 (E), Ziko_56 (DP),

Start 138:

- Found in 141 of 2322 (6.1%) of genes in pham
- Manual Annotations of this start: 25 of 2146
- Called 19.1% of time when present
- Phage (with cluster) where this start called: Amohnition_22 (K6), BQuat_18 (G1), CLED96_18 (G1), Camri_18 (G1), Chance64_18 (G1), Cherrybomb426_18 (G1), DNAll_0018 (G1), ECartman_18 (G1), Ekdilam_20 (K6), Frosty24_18 (G1), Grizzly_18 (G1), Hotshotbaby7_18 (G1), Jane_18 (G1), Jonghyun_18 (G1), Kasen3_18 (G1), Krueger_22 (K6), LeMond_22 (K1), Olga_18 (G1), Phish_18 (G1), PinkYoshi_18 (G1), Rabbs_18 (G1), Remy19_18 (G1), Scarlett_22 (K1), Sizemore_18 (G1), Sneeze_18 (G1), Sweets_18 (G1), ZoMa_18 (G1),

Start 139:

- Found in 6 of 2322 (0.3%) of genes in pham
- Manual Annotations of this start: 6 of 2146
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Babsiella_19 (I1), Brujita_19 (I1), HC_19 (I1), Island3_19 (I1), QueenHazel_19 (I1), Xula_18 (I1),

Start 140:

- Found in 7 of 2322 (0.3%) of genes in pham
- Manual Annotations of this start: 5 of 2146
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Bowser_19 (DB), Eyes_19 (DB), MagicMan_19 (DB), Opie_19 (DB), Schnabeltier_19 (DB), TaronosaurusRx_19 (DB),

Start 142:

- Found in 10 of 2322 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 10.0% of time when present
- Phage (with cluster) where this start called: IdentityCrisis_17 (singleton),

Start 143:

- Found in 105 of 2322 (4.5%) of genes in pham
- Manual Annotations of this start: 53 of 2146
- Called 53.3% of time when present
- Phage (with cluster) where this start called: 32HC_26 (Z), Aliter_30 (A9), Alma_30 (A9), Amochick_22 (Q), Amymech_22 (Q), BBQValindra_19 (DB), BackstagePass_19 (DB), BoostSeason_19 (K2), Bunker_19 (DB), Daegal_23 (Q), DeepSoil15_22 (Q), Dewey_22 (Q), DismalFunk_19 (K2), DismalStressor_19 (K2), Eidsmoe_30 (A9), Ein37_22 (Q), Evanesce_22 (Q), Fefferhead_22 (K6), Findley_19 (K2), Forge_22 (Q), GEazy_19 (DB), Gancho_21 (Q), Giles_22 (Q), Gravaillia_22 (Q), HH92_22 (Q), Hadrien_22 (Q), Hail_22 (Q), HannahD_19 (DB), HortumSL17_30 (A9), Juliette_24 (K4), JustASigh_18 (AH), KiSi_22 (K1), Kinbote_22 (Q), LilHazelnut_22 (Q), Luke_22 (Q), Luna22_22 (Q), Marcoliusprime_19 (K2), Milly_19 (K2), MissDaisy_24 (K4), Mufasa_19 (K2), Myxus_30 (A9), OBUpride_22 (Q), Oscar_22 (K1), PackMan_30 (A9), Phaeder_30 (A9), Qobbit_30 (A9), Rem711_25 (Z), Reptar3000_24 (K4), Strobilo_19 (K2), TM4_19 (K2), Taquito_22 (K4), Ubuntu_22 (Q), Webster2_22 (Q), Weirdo19_19 (AH), Wishmaker_22 (Q), ZoeJ_19 (K2),

Start 144:

- Found in 1 of 2322 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kumao_28 (singleton),

Start 145:

- Found in 841 of 2322 (36.2%) of genes in pham
- Manual Annotations of this start: 749 of 2146
- Called 93.6% of time when present
- Phage (with cluster) where this start called: 20ES_28 (A2), 40AC_31 (A17), ACFishhook_29 (A3), AN3_28 (A2), AN9_31 (A2), ANI8_31 (A2), AbbyPaige_30 (A2), AbbysRanger_27 (A4), Abdiel_26 (A4), Achebe_26 (A4), Acolyte_28 (A2), ActinUp_23 (K1), Adephegia_23 (K1), Adonis_23 (K1), Adzzy_29 (A2), Agape74_30 (A2), Agatha_18 (CT), AgentM_24 (A5), Ageofdapage_23 (K1), Aglet_29 (A3),

AgronaGT15_29 (A3), AikoCarson_17 (CT), Airmid_24 (A5), Albee_27 (A4), Alberto7_28 (A4), AlishaPH_23 (K1), Amelie_19 (K1), Aminay_21 (K7), Amok_17 (CT), Anaya_24 (K1), Anaysia_30 (A15), Aneem_28 (A11), Angelica_23 (K1), Angelique_20 (CY1), AnnaL29_31 (A2), Annyong_27 (A4), Anon_28 (A15), Anselm_28 (A2), Anthony_27 (A20), Anubis_31 (A3), Apocalypse_23 (K1), Apricot_19 (DN3), Aragog_24 (A5), ArcherNM_30 (A2), Archetta_24 (A5), Arissanae_28 (A9), Artemis2UCLA_31 (A6), Arturo_26 (A4), Asapag_20 (DN1), Asayake_23 (K1), Astro_24 (A8), Atiba_23 (K1), AugsMagnumOpus_31 (A3), AvatarAhPeg_28 (A4), Avle17_27 (A4), Axym_18 (CT), Azira_20 (CT), B1_25 (A3), BABullseye_31 (A6), BEEST_23 (K1), BENtherdunthat_20 (DN1), BGIlluviae_23 (K1), Baby16_27 (A4), BabyRay_27 (A3), Bachome_28 (A11), Backyardigan_27 (A4), Bactobuster_29 (A2), Badger_27 (A4), Baehexic_29 (A2), BaghaKamala_23 (K1), BangNhom_27 (A4), BarrelRoll_23 (K1), Bartimeaus_27 (A4), Battleship_31 (A15), BearBQ_19 (DN), Beauxregard13_29 (A3), BeeGee_20 (CY), Beemo_30 (A9), Beezoo_23 (K1), Bella96_23 (K1), Belladonna_23 (K1), BellusTerra_27 (A4), Benedict_24 (A5), BengiVuitton_29 (A2), Benvolio_28 (A2), BiancaTri92_30 (A2), BigChungus_17 (CT), Binglebops_19 (K1), BillDoor_20 (CT), Birdsong_19 (DN), Blackmoor_27 (A4), Blinn1_31 (A6), Blizzard_23 (K1), Blue7_31 (A6), BlueBird_28 (A3), Bluefalcon_23 (A5), BogosyJay_29 (A9), Boiiii_23 (K1), Boilgate_20 (K8), Bombshell_27 (A4), Bonamassa_24 (A5), Boohoo_30 (A15), Bowtie_28 (A11), Bradissa_20 (CY1), BreSam8_29 (A3), Broseidon_27 (A4), Bruiser_26 (A4), Bryler_22 (K6), BubbleTrouble_27 (A4), Bud_28 (A11), Budski_20 (DN), Bugatti_27 (A3), Buggy_30 (A2), Bumblebee11_27 (A4), Burger_26 (A4), Button_19 (CT), Buttrmlkdreams_18 (CT), BuzzBuzz_28 (A3), Bxz2_28 (A3), C3_26 (A2), CRB1_28 (A2), CREW_23 (K1), Caelakin_27 (A4), Cain_22 (K6), Camperdownii_26 (A4), Candra_31 (A6), Capricorn_23 (K1), Caraxes_27 (A2), CaseJules_23 (K1), Cashline_20 (CY), Caviar_28 (A3), Centaur_30 (A2), CentreCat_27 (A4), Cerulean_28 (A4), Chadwick_25 (A5), ChampagnePapi_28 (A4), Chancellor_24 (K4), Changeling_30 (A2), Chaph_27 (A4), Chargerpower_29 (A), Charm_28 (A9), Chartreuse_31 (A6), Che12_30 (A2), CheeseTouch_20 (DN1), CheetoDust_23 (K1), Cheetobro_24 (K4), ChipMunk_30 (A2), Chris_22 (K1), Chupacabra_27 (A10), Cici_27 (A4), Cintron_27 (A4), Citius_27 (A4), Clarenza_27 (A4), Cleo_18 (CT), Cocoberry_27 (A4), Colbster_29 (A3), Commander_27 (A4), Confidence_20 (CY1), Connomayer_27 (A4), Conquerage_30 (A9), Conspiracy_24 (A5), Coog_24 (A5), Cookiedough_31 (A6), Cozz_18 (CT), Crater_18 (DN3), CrimD_23 (K1), Crucio_28 (A2), Cuco_24 (A5), Cullens_29 (A3), Curiosium_24 (K1), D29_28 (A2), D32_31 (A2), DBQu4n_31 (A2), DaHudson_29 (A3), DaVinci_31 (A6), Daishi_28 (A3), Dalmatian_28 (A2), Dalmuri_23 (K1), Danforth_23 (A8), DarthP_22 (K6), DarthPhader_29 (A12), Datway_27 (A4), Deano_27 (A4), Deby_23 (K1), Deloris_29 (A2), Devera_23 (K1), Dhanush_27 (A4), Dieselweasel_29 (A3), Dignity_30 (A2), DirtyDunning_27 (A4), Discoknowium_24 (A5), Dixon_24 (A8), Dole_23 (K1), Dorothea_30 (A6), DrHayes_23 (K1), Drake55_30 (A2), Drake94_26 (A10), Dre3_18 (CT), DreamTeam1_28 (A9), DroogsArmy_28 (A7), Druantia_27 (A4), Dublin_23 (A5), DudeLittle_28 (A2), Duplo_31 (A2), Durfee_23 (K1), EMsquaredA_20 (CY1), EZMoney23_32 (A2), EagleEye_30 (A16), Eagle_26 (A4), Eaglepride_28 (A10), Eapen_27 (A4), Ebony_28 (A11), Echild_28 (A2), Ecliptus_24 (DN), Edison31_27 (A10), Efra2_23 (K1), EITiger69_24 (A5), Elephantoon_29 (A9), Elinal_19 (CT), Ellie_20 (K6), Emalyn_17 (CT), Emerson_23 (K1), EmyBug_30 (A9), EnalisNailo_20 (CY1), Enkosi_19 (K1), EpicPhail_29 (A3), Eponine_24 (K4), Epsocamisio_30 (A15), Equemioh13_30 (A2), EricB_31 (A6), Eris_26 (A4), Eros_27 (A4), Et2Brutus_27 (A11), Eurydice_27 (A4), EvilGenius_30 (A2), Expelliarmus_23 (A8), ExplosioNervosa_30 (A9), Fameo_28 (A2), Farber_29 (A3), Fayely_30 (A9), Feastonyet_17 (CT), Fernando_29 (A3), Fibonacci_28 (A11), Fionnbharth_24 (K4),

FiringLine_28 (A2), First_0028 (A2), Flare16_28 (A2), Flaverint_28 (A11), Floral_20 (CY1), Florean_27 (A4), Flux_27 (A4), ForGetIt_24 (A5), Fred313_27 (A3), Fribs8_19 (CT), Frickyeah_20 (DN1), Funston_27 (A4), Gadost_27 (A4), Gail_28 (A14), Ganymede_24 (K1), Garak_32 (A6), GaugeLDP_30 (A2), Gemma_29 (A3), George_23 (A5), Georgie2_29 (A2), Geraldini_23 (K1), Getalong_21 (DN1), Ghoulboy_24 (A5), GiKK_21 (CT), Gibbous_18 (CT), Gilberta_28 (A11), GingkoMaracino_29 (A3), Giroux_27 (A3), Gladiator_31 (A6), Goose_27 (A10), GreedyLawyer_31 (A6), Grif_29 (A3), Groundhog_23 (A8), Grouphink_30 (A3), Grub_29 (A3), Grum1_29 (A3), Gruunaga_31 (A6), GtownJaz_29 (A3), Guanica15_23 (K1), HINDeR_27 (A7), HamSlice_26 (A4), Hammer_31 (A6), Hammy_22 (K6), Happiness_27 (A4), HarryHoudini_30 (A2), HashRod_30 (A3), HaveUMetTed_30 (A3), Heathen_27 (A3), HedwigODU_23 (K1), Heffalump_30 (A2), HelDan_27 (A3), Heliosoles_29 (A3), Helmet_32 (A6), Herbertwm_25 (A2), Hercules11_29 (A3), Hexamo_31 (A6), Hexbug_20 (CT), HippoPololi_20 (CT), Holli_27 (A4), Holliday_20 (DN1), Homura_23 (K1), Hookmount_28 (A3), Hoot_31 (A6), Horseradish_19 (CT), Horus_20 (DN1), Houdini22_27 (A4), HuhtaEnerson15_24 (A5), Hurricane_22 (K3), Hutc2_28 (A11), Hyperbowlee_23 (K1), ICleared_27 (A4), Iceman_28 (A4), Idleandcovert_27 (A3), Illumine_23 (K1), Indra_31 (A6), Inky_23 (K1), Insomnia_28 (A11), Iracema64_28 (A4), IronMan_30 (A2), Isca_27 (A3), Isphiwo_31 (A6), Iwokeuplikedis_29 (A2), JAWS_23 (K1), JF1_24 (K4), JF2_27 (A3), JF4_27 (A3), JHC117_29 (A3), JSwag_30 (A15), Jaan_31 (A2), Jabiru_24 (A5), Jabith_28 (A11), Jablanski_20 (CY), Jamzy_21 (CT), Jarvi_23 (K1), Jayhawk_24 (K1), Jaykayelowell_27 (A4), Jeckyll_23 (K1), Jeeves_28 (A14), Jeffabunny_31 (A6), JenCasNa_29 (A3), JeppNRM_30 (A3), Jerm_30 (A2), JetBlade_27 (A4), JewelBug_31 (A6), Jobu08_29 (A3), JoongJeon_27 (A4), Joselito_28 (A11), JoshKayV_30 (A2), Journey13_26 (A2), Jovo_24 (A5), Joy99_23 (K1), Jsquared_27 (A2), KADY_30 (A3), KFPoly_27 (A4), Kalb97_30 (A3), Kalnoky_30 (A3), Kamaru_20 (DN1), Kampy_27 (A4), Katalie136_27 (A4), KatherineG_30 (A15), KayGee_17 (CT), Kazan_31 (A6), Kenna_19 (DN1), Kerberos_31 (A2), Keshu_22 (K3), Keziacharles14_28 (A9), Kimona_24 (A19), KingCyrus_30 (A2), Kingmustik0402_27 (A4), Kipper29_31 (A6), KittenMittens_26 (A10), Koduck_28 (A2), Koko_31 (A6), Koreni_26 (A4), Kratark_27 (A4), Kremtemulon_26 (A4), Kristoff_28 (A10), Kuwabara_19 (DN4), Kyee_27 (A4), L5_28 (A2), LBerry_29 (A3), LHTSCC_28 (A4), LadyBird_28 (A2), Lambert1_28 (A3), Landor_29 (A2), LappelDuVide_26 (A4), Larenn_29 (A2), LarryKay_29 (A3), LastHope_23 (K1), LastResort_30 (A15), LaterM_23 (K1), Lauer_17 (CT), Lemur_27 (A4), LeoAvram_27 (A4), Leogania_30 (A2), Leroy_20 (DN1), Lev2_24 (A5), Leviathan_30 (A2), LilPharaoh_19 (K1), LilTurb_30 (A2), Lilas_20 (CY1), Lilbunny_30 (A6), Lilith_29 (A3), LindNT_23 (K1), LitninMcQueen_20 (DN1), LittleB_27 (A4), LittleCherry_24 (A5), LittleGuy_27 (A4), Llorens_23 (K1), LochMonster_27 (A4), LoneWolf_29 (A9), LonelyBoi_20 (CY), Looper_31 (A15), Lorenzo_27 (A4), Loser_31 (A2), Louie6_29 (A3), Luchador_30 (A14), Lucivia_28 (A11), Lucky10_18 (DH), Lucyedi_29 (A16), LugYA_31 (A3), Lunahalos_23 (K1), Lunsford_28 (A4), Lutum_20 (DN1), MA5_27 (A3), MK4_27 (A3), MScarn_20 (CT), MaCh_28 (A11), MaVan_20 (CT), Mabel_28 (A11), MacnCheese_23 (K3), MadMarie_29 (A3), Mainiac_29 (A3), Malec_29 (A2), Malinsilva_31 (A3), Malisha_21 (DN), Malthus_25 (K4), Maminiaina_29 (A9), Manu_30 (A3), MarQuardt_29 (A3), Margaret_21 (CT), Margo_28 (A3), Marie_29 (A3), Marius_30 (A3), MarkPheW_23 (K1), Marshawn_24 (K6), Marteena_20 (CY1), Maverick_27 (A4), Maxo_27 (A4), Mayweather_19 (CT), Mazhar510_27 (A4), McFly_31 (A6), Mdavu_19 (K1), MeaningOfLife_23 (K1), Medusa_27 (A4), MeeZee_27 (A4), Megsy_23 (K1), Melvin_27 (A4), Methuselah_28 (A3), Micasa_23 (A5), Microwolf_29 (A3), MiculUcigas_28 (A2), Midas2_24 (A5), Miko_31 (A2), Milcery_24 (A5), Millski_26 (A4), MinecraftSteve_31 (A15),

Misomonster_31 (A3), MissWhite_28 (A2), Mitti_24 (K4), MoneyMay_29 (A3), Morkie_18 (DH), Morpher26_27 (A4), Morrow_27 (A4), MortyNRick_19 (DN), MuchMore_31 (A3), Mulciber_28 (A11), Munch_28 (A11), Mundrea_27 (A4), MunkgeeRoachy_19 (CT), Murucutumbu_23 (K1), Mynx_23 (K1), NaSiaTalie_28 (A2), Naca_24 (A5), Naji_31 (A2), NearlyHeadless_24 (A8), Nebs_27 (A4), Nebulosus_30 (A15), Nedarya_29 (A15), Neeharika16_31 (A6), Nemo27_27 (A4), Newrala_31 (A6), Nibb_22 (K1), Nibbles_20 (CT), NicoleTera_32 (A2), Nikao_19 (K1), Niklas_23 (K1), Nina_19 (CT), Noella_28 (A3), Norbert_27 (A3), NorthStar_27 (A4), NotAPhaseMom_27 (A4), NothingSpecial_30 (A2), Nutello_19 (K1), Nyxis_27 (A4), ODay_25 (DN), OKCentral2016_27 (A10), OKaNui_28 (A4), Obama12_28 (A4), Odin_27 (A2), Ohfah_27 (A4), OlanP_29 (A3), Ollie_29 (A3), OmniCritical_24 (K4), Oofda_31 (A15), Orange_28 (A11), Orla_20 (CT), P28Green_29 (A3), P3MA_19 (singleton), PGHhamlin_31 (A3), PP_37 (A7), Padfoot_23 (K1), Padpat_23 (K1), PainterBoy_29 (A16), Palestino_26 (A4), Panamaxus_27 (A3), Patt_24 (K4), Pawn_30 (A3), PeaceMeal1_26 (A10), Peaches_27 (A4), Peanam_23 (K1), Peel_23 (K1), Pembroke_29 (A3), Penny1_29 (A3), Periwinkle_22 (DN1), Perplexer_27 (A4), PeterPeter_27 (A4), Petersenfast_27 (A11), PetiteSangsue_27 (A4), PetterN_25 (A5), Ph8s_29 (A2), Phabuloso_20 (DN1), Phacado_27 (A4), Phaded_31 (A2), Phantastic_27 (A3), Pharaoh_28 (A12), Pharb_22 (K3), Felipe_27 (A4), PhelpsODU_22 (K6), Phighter1804_27 (A4), Phillis_24 (A8), PhishRPhriends_28 (A3), Phistory_21 (DN1), Phlei_23 (A13), Phlorence_24 (A5), Phoebe_29 (A3), Phonnegut_30 (A9), Phontbonne_27 (A4), PhorbesPhlower_18 (DH), Phoxy_29 (A3), Phrank_22 (K6), Phranny_30 (A3), Piatt_23 (K1), PickleBack_24 (A5), Pioneer_30 (A9), Pipcraft_27 (A4), Piro94_29 (A2), Pistachio_28 (A3), Pixie_22 (K3), Pmask_31 (A6), Pocahontas_28 (A3), Pokerus_22 (K1), Pollux_20 (CY1), Polymorphads_27 (A4), Pomar16_31 (A2), Poompha_26 (A10), Popcicle_28 (A3), Posh_20 (CY), PotatoSplit_30 (A3), Power_28 (A2), Priamo_31 (A6), Prithvi_23 (K1), Priya_30 (A9), Pukovnik_30 (A2), Pumbaa_27 (A4), Puppy_28 (A3), PurpleHaze_29 (A3), Pytheas_20 (CY), Quasar_18 (CT), QueenB2_28 (A2), QueenBeesly_28 (A2), QuincyRose_22 (K1), QuinnKiro_27 (A3), Rachaly_31 (A2), Rahalelujah_27 (A9), Ramen_23 (K1), Rapunzel97_23 (K1), ReMo_30 (A15), Reba_30 (A3), Rebeuca_28 (A10), RedRock_31 (A2), Refuge_31 (A12), Relief_27 (A4), Remus_30 (A15), ResDef_28 (A3), Retro23_28 (A2), RhynO_28 (A10), Rifter_31 (A6), Roary_24 (A8), Rockstar_27 (A3), Roksolana_31 (A6), Romney_27 (A4), Roosevelt_27 (A4), Rosalind_30 (A15), Rosmarinus_23 (K1), Ruin_27 (A4), Rummer_29 (A3), Ruthiejr_23 (K4), Sabertooth_27 (A4), Sabia_29 (A3), Sabinator_29 (A3), Saintus_24 (A8), Salz_28 (A11), SamScheppers_22 (K4), SamuelLPlaqson_23 (K1), SaturnRing_27 (A3), Scamp_27 (A4), Scherzo_30 (A9), Scorpia_25 (A5), Scout_27 (A3), SemperFi_30 (A2), Serenity_27 (A2), Severus_26 (A10), SgtBeansprout_19 (K1), Shadow1_21 (K6), Shaka_27 (A4), Sham4_28 (A11), Shaobing_23 (K1), ShayRa_31 (A15), SheaKeira_28 (A9), SheckWes_17 (CT), ShedlockHolmes_22 (K3), Sheen_29 (A7), SheldonCooper_28 (A4), ShiaSurprise_23 (K1), Shygu2_27 (A4), SirPhilip_22 (K6), Skipitt_27 (A4), Slarp_24 (K4), Slimphazie_23 (K1), Smeadley_24 (A8), Smeagan_30 (A2), SmellyB_31 (A6), SnapTap_28 (A2), Snape_28 (A11), Snickers_29 (A3), SoYo_29 (A3), SoilDragon_29 (A3), SororFago_28 (A14), Soshari_31 (A3), Soups_30 (A15), Sparxx_27 (A4), Spike509_29 (A3), Spino_27 (A4), Spock_23 (K1), Spooky_20 (DN2), Spouty_29 (A9), Squiddly_22 (DN2), Stagni_29 (A3), StarStuff_31 (A2), Stasia_28 (A4), SteamedHams_20 (CT), Steamy_29 (A12), Stephig9_24 (A8), Stink_28 (A4), Stinson_23 (K1), Strosahl_30 (A15), Sulley_23 (K1), SummitAcademy_17 (CT), Sunflower1121_21 (K6), SuperAwesome_31 (A6), SuperCallie99_31 (A6), Superchunk_27 (A2), Survivors_20 (CT), SweatNTears_20 (CT), SweetiePie_28 (A2), Swirley_24 (A5), Switzerland_30 (A15), SydNat_24 (A5), Syra333_22 (K6),

TBond007_22 (K3), TClif_23 (K6), TNguyen7_27 (A3), Tachez_23 (K1), TaiwanKao_24 (K1), Taquarus_27 (A4), TarsusIV_28 (A2), Tarynearal_23 (A5), Taurus_29 (A3), Texage_27 (A3), Thanksgivukkah_27 (A4), Theia_22 (A5), Tierra_22 (K6), Tiffany_29 (A3), Tiger_24 (A5), Timothy_28 (A11), Timshel_28 (A7), TinaFeyge_27 (A4), TiniBug_23 (K1), TinyTimmy_27 (A11), Tinybot_26 (A4), TipsytheTRex_27 (A2), Tiri_23 (K1), TiroTheta9_27 (A4), Toaka_27 (A9), Todacoro_28 (A3), Tolls_20 (CT), Tomathan_31 (A2), ToneTone_29 (A6), Topanga_27 (A10), Topper_23 (K1), TreyKay_23 (K1), TribbleTrouble_21 (K3), Trike_25 (A10), Trixie_31 (A2), Troje_18 (CT), Trooper_28 (A2), TroyPia_27 (A4), TruffulaTree_23 (K1), Tubs_30 (A9), Tucker_31 (A6), Turbido_30 (A2), Twister_27 (A10), Twitch_23 (K1), TygerBlood_27 (A4), Typhonmarchy_19 (CT), Ugenie5_27 (A9), Ulysses_26 (A4), Unicorn_22 (K6), UnionJack_24 (A5), Updawg_30 (A2), Urkel_23 (K1), VA6_28 (A2), VC3_31 (A2), Validus_23 (K1), Vanisoa_27 (A9), Veliki_23 (K1), Veracruz_27 (A3), Vine_19 (CT), Vix_29 (A3), VohminGhazi_31 (A6), Waits_30 (A15), WalterMcMickey_27 (A10), Wander_27 (A4), Watson_29 (A3), Whabigail7_30 (A2), Whitney_21 (DN1), WideWale_30 (A2), Wiks_31 (A6), Wilbur_27 (A4), Wile_27 (A4), Wintermute_24 (K4), Wizard007_27 (A4), Wooldri_31 (A3), Wrigley_20 (CY), WunderPhul_31 (A6), Xena_27 (A4), Ximenita_23 (K6), Yakult_19 (CT), Yarn_17 (CT), Yecey3_29 (A9), YoSam321_27 (A4), Yokurt_31 (A6), YoureAdopted_22 (K1), Yummy_19 (CT), Yunkel11_23 (K1), Zabiza_24 (K1), Zaka_31 (A6), Zavala_23 (K1), Zetzy_28 (A3), Zimmer_30 (A12), Zolita_23 (A5), Zulu_31 (A6),

Start 147:

- Found in 19 of 2322 (0.8%) of genes in pham
- Manual Annotations of this start: 14 of 2146
- Called 73.7% of time when present
- Phage (with cluster) where this start called: Aziz_32 (M2), Bongo_28 (M1), Bricole_28 (M1), Diminimus_29 (M1), Dulcita_29 (M1), Estes_33 (M2), Glaske16_29 (M1), IPhone7_28 (M1), LilhomieP_27 (M1), Nanosmite_32 (M3), PegLeg_28 (M1), Skinny_29 (M1), SlimJimmy_27 (M1), TyDawg_28 (M1),

Start 148:

- Found in 221 of 2322 (9.5%) of genes in pham
- Manual Annotations of this start: 202 of 2146
- Called 95.0% of time when present
- Phage (with cluster) where this start called: A6_25 (A1), AFIS_27 (A1), Abbyshoes_28 (A1), Abrogate_280 (A1), Acme_29 (A1), Adahisdi_28 (A1), Aeneas_29 (A1), Ajay_28 (A1), Alsfro_31 (A1), Altman_29 (A1), Alvin_28 (A1), Anglerfish_28 (A1), Applejack_27 (A1), Arcanine_28 (A1), Arianna_19 (EO), Arlo_26 (A1), Ashballer_27 (A1), Atkinbua_29 (A1), BK1_25 (A1), BPBiabs31_28 (A1), BaconJack_29 (A1), Barriga_27 (A1), Beatrix_27 (A1), BeesKnees_28 (A1), Bethlehem_27 (A1), Bexan_26 (A1), Big3_27 (A1), BigMau_29 (A1), BigPaolini_28 (A1), Bigfoot_26 (A1), BillKnuckles_28 (A1), Bircsak_27 (A1), BluSpix_27 (A1), Blue_27 (A1), Bob3_26 (A1), Bones_27 (A1), Briton15_29 (A1), Bruns_26 (A1), Burton_28 (A1), Buttons_29 (A1), Bxb1_25 (A1), CactusRose_26 (A1), Carlyle_29 (A1), Chanagan_26 (A1), Ciao_27 (A1), Colleen_19 (EO), Conceptll_29 (A1), Corvo_28 (A1), Crispicous1_26 (A1), Cueyllyss_27 (A1), DD5_28 (A1), Dexes_28 (A1), Doom_28 (A1), DrFeelGood_26 (A1), DreamCatcher_30 (A1), Dreamboat_28 (A1), Dulcie_26 (A1), Dussy_28 (A1), Dynamix_28 (A1), Edtherson_28 (A1), Espresso_27 (A1), Euphoria_27 (A1), Eyeball_27 (A1), Fajezeel_29 (A1), Fascinus_26 (A1), Fenn_28 (A1), Forsytheast_26 (A1), Francis47_27 (A1), Frogopper_28 (A1), Fushigi_28 (A1), GageAP_29 (A1), Gandalf20_28 (A1),

Gompeii16_27 (A1), Graduation_29 (A1), GrecoEtereo_29 (A1), Greg_29 (A1), Gyzlar_29 (A1), HanShotFirst_27 (A1), HarryOW_28 (A1), Hermia_30 (A1), HermioneGrange_27 (A1), Homines_27 (A1), Hope4ever_27 (A1), ILeeKay_29 (A1), Ichabod_28 (A1), JC27_29 (A1), JackSparrow_28 (A1), Jasper_28 (A1), Jerm2_28 (A1), Jorgensen_27 (A1), JuliaChild_29 (A1), KBG_28 (A1), KSSJEB_27 (A1), Kanely_28 (A1), Kenmech_30 (A1), Killigrew_25 (A1), Kugel_28 (A1), KyMonks1A_29 (A1), Kykar_25 (A1), Lamina13_27 (A1), Lesedi_26 (A1), Licorice_29 (A1), LilBib_28 (A1), Lockley_27 (A1), Lopton_28 (A1), MPlant7149_26 (A1), Magnito_26 (A1), Makemake_27 (A1), Manatee_28 (A1), Marcell_27 (A1), Marchy_25 (A1), Marge_28 (A1), Maroc7_26 (A1), Marsha_27 (A1), MaryBeth_27 (A1), McGuire_28 (A1), MetalQZJ_27 (A1), Michley_27 (A1), Molly_28 (A1), Monet_29 (A1), Moose_26 (A1), MrGordo_27 (A1), Mryolo_26 (A1), Mule_27 (A1), Museum_29 (A1), MyraDee_25 (A18), NEHalo_27 (A1), Naira_28 (A1), Nerujay_28 (A1), Nhonho_27 (A1), Niza_29 (A1), Norz_29 (A1), Ohno789_27 (A1), Oogway_26 (A1), PSullivan_29 (A1), PacerPaul_27 (A1), Paphu_26 (A1), Paraselene_26 (A1), Pari_28 (A1), Parliament_26 (A1), PascalRango_26 (A1), PattyP_29 (A1), Pelly_28 (A1), Pepe_28 (A1), Perseus_28 (A1), Peterson_30 (A1), Petp2012_29 (A1), Petruccio_28 (A1), PherrisBueller_28 (A1), PhrostyMug_27 (A1), PinkPlastic_26 (A1), Pinto_30 (A1), Pippin_29 (A1), Pita2_29 (A1), Poushou_19 (EO), QTRLifeCrisis_27 (A1), Rajelicia_27 (A1), Rhynn_27 (A1), RidgeCB_27 (A1), Ringer_27 (A1), Rohr_28 (A1), Rubeus_28 (A1), Rufus_28 (A1), Ruotula_26 (A1), Rutherford_29 (A1), STLscum_28 (A1), Sagefire_28 (A1), Sandaddy_26 (A1), Sanya_26 (A1), SarFire_27 (A1), Scowl_28 (A1), Seabiscuit_29 (A1), Seanderson_28 (A1), Sibs6_29 (A1), SkiPole_29 (A1), Slagathor_28 (A1), Smairt_28 (A1), Smeagol_29 (A1), Snazzy_26 (A1), Solon_27 (A1), Sorpresa_26 (A1), SpikeBT_29 (A1), Squee_28 (A1), StrongArm_26 (A1), Sumter_26 (A1), Sunshine924_26 (A1), SwissCheese_28 (A1), Switzer_28 (A1), Swole_29 (A1), Target_30 (A1), Tasp14_28 (A1), Teodoridan_25 (A1), TheloniousMonk_29 (A1), Thor_27 (A1), Topgun_27 (A1), Tote_29 (A1), TouchMeNot_19 (EO), Traft412_29 (A1), Treddle_29 (A1), Tripl3t_28 (A1), Trouble_28 (A1), Turj99_26 (A1), TwoPeat_28 (A1), U2_27 (A1), Violet_26 (A1), Watermelon_29 (A1), Wheeler_27 (A1), Wilkins_27 (A1), Zeeculate_27 (A1), Zephyr_27 (A1),

Start 149:

- Found in 4 of 2322 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 2146
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Cardigan_47 (DD), JonJames_47 (DD), Yvonnestic_45 (DD),

Start 150:

- Found in 117 of 2322 (5.0%) of genes in pham
- Manual Annotations of this start: 25 of 2146
- Called 23.1% of time when present
- Phage (with cluster) where this start called: Agent47_21 (K5), Avani_19 (F2), Blarby_20 (F), Che9d_19 (F2), Cindaradix_26 (A4), Collard_21 (K5), Demsculpinboyz_19 (F2), Feyre_21 (K5), Gengar_21 (K5), Guillsminger_21 (K5), Heftyboy_21 (K5), InvictusManeo_21 (K5), Jabbawokkie_21 (F2), Kratio_20 (K5), Leston_21 (K5), Miramae_27 (A4), Miryou_21 (K5), Noelle_27 (A4), OkiRoe_21 (K5), Paola_21 (K5), Reindeer_26 (M1), SoSeph_21 (K5), Soul22_19 (F2), Thyatira_21 (K5), Waterfoul_21 (K5), Yoshi_19 (F2), Zapner_20 (F2),

Start 153:

- Found in 6 of 2322 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Mollymur_31 (DL),

Start 154:

- Found in 35 of 2322 (1.5%) of genes in pham
- Manual Annotations of this start: 21 of 2146
- Called 74.3% of time when present
- Phage (with cluster) where this start called: Abscondus_47 (CQ), Aphelion_48 (CQ1), Bachita_50 (CQ1), BrutonGaster_36 (CQ2), ClubL_48 (CQ1), Coriander_19 (DB), Cucurbita_50 (CQ1), Culver_48 (CQ1), DirtyBoi_20 (DB), Dmitri_19 (DB), Doggs_18 (DB), Dusty_46 (CQ), Engineer_49 (CQ1), Hedwig_20 (DB), Kiko_20 (DB), Lozinak_48 (CQ1), Miskis_50 (CQ), Norvs_49 (CQ), OneUp_42 (CQ2), PhinkBoden_48 (CQ1), RayTheFireFly_19 (DB), Sixama_99 (DS), Smoothie_49 (CQ1), TPA4_19 (singleton), Toniann_48 (CQ1), WilliamBoone_48 (CQ1),

Start 156:

- Found in 40 of 2322 (1.7%) of genes in pham
- Manual Annotations of this start: 4 of 2146
- Called 15.0% of time when present
- Phage (with cluster) where this start called: Bantam_30 (DL), Daredevil_29 (DL), DatBoi_31 (DL), GAL1_20 (singleton), SpeedDemon_320 (DL), Zareef_22 (CT),

Start 157:

- Found in 20 of 2322 (0.9%) of genes in pham
- Manual Annotations of this start: 12 of 2146
- Called 70.0% of time when present
- Phage (with cluster) where this start called: Aleemily_19 (DZ), Cafasso_19 (DZ), Kudrefre_27 (DU1), ModicumRichard_19 (DZ), Morgana_19 (DZ), Neville_28 (DU2), ObLaDi_19 (DZ), Octobien14_28 (DU1), REQ3_50 (singleton), Rabbitrun_30 (DU2), Sephiroth_28 (DU1), Syleon_28 (DU1), Trax_28 (DU2), VanLee_20 (singleton),

Start 159:

- Found in 3 of 2322 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Juicebox_19 (singleton),

Start 160:

- Found in 2 of 2322 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 2146
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Farewell_16 (AF), Sparky_16 (AF),

Start 162:

- Found in 27 of 2322 (1.2%) of genes in pham
- Manual Annotations of this start: 3 of 2146
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Bonanza_23 (CA), Dinger_23 (CA), Jester_23 (CA),

Start 164:

- Found in 68 of 2322 (2.9%) of genes in pham
- Manual Annotations of this start: 42 of 2146
- Called 63.2% of time when present
- Phage (with cluster) where this start called: Angel_18 (G1), Annihilator_18 (G1), Antsirabe_18 (G5), Aroostook_18 (G1), Avocado_18 (G2), Avrafan_18 (G1), BPs_18 (G1), Barkley26_18 (G1), BruceB_18 (G1), Cambiare_19 (G2), CassieYates_18 (G1), Cedasite_18 (G1), Coleslaw_18 (G1), Crespo_18 (G1), DMoney_18 (G1), Darionha_18 (G1), Gideon_18 (G1), GoldenAsh_18 (G1), Gomashi_18 (G1), Halo_18 (G1), Hope_18 (G1), Jolene_18 (G1), JorRay_18 (G1), Kareem_18 (G1), Liefie_18 (G1), LouisV14_18 (G1), Marmie_18 (G1), Mowgli_18 (G1), OctaviousRex_18 (G1), Paito_18 (G1), Peeb_18 (G1), Periodt_18 (G1), Phreak_18 (G1), Pinnie_19 (G3), Plagueis_18 (G1), Renaissance_18 (G1), Schiebel_18 (G1), ShaboiShabazz_18 (G1), Stargaze_18 (G5), Taheera_18 (G1), Terror_18 (G1), TomBrady_18 (G1), Zombie_18 (G1),

Start 165:

- Found in 32 of 2322 (1.4%) of genes in pham
- Manual Annotations of this start: 28 of 2146
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Archie_18 (L2), Baoshan_17 (L2), Bazzle_18 (L2), BigCheese_18 (L2), BobsGarage_18 (L2), Breezona_18 (L2), Claus_18 (L2), Crossroads_18 (L2), DrSeegs_18 (L2), Faith1_18 (L2), Finemlucis_18 (L2), Gabriela_18 (L2), Gardann_18 (L2), GuuelaD_18 (L2), Hafay_18 (L2), Itos_18 (L2), Kahlid_18 (L2), Lewan_18 (L2), LilDestine_18 (L2), Loadrie_18 (L2), Miley16_18 (L2), MkaliMitinis3_18 (L2), Netyap_18 (L2), Nicholasp3_18 (L2), Rumpelstiltskin_18 (L2), Tourach_18 (L2), Vetrix_18 (L2), Wigglewiggle_18 (L2), Wilder_18 (L2), Winky_18 (L2), Zakai_18 (L2), ZhongYanYuan_17 (L2),

Start 166:

- Found in 276 of 2322 (11.9%) of genes in pham
- Manual Annotations of this start: 28 of 2146
- Called 13.8% of time when present
- Phage (with cluster) where this start called: Agaliana_28 (A1), Beelzebub_54 (S), Bernal13_19 (T), Blackbeetle_50 (S), Caprice_47 (S), Clarkson_51 (S), Corazon_48 (S), FeliMaine_50 (S), FlagStaff_18 (G2), Gattaca_49 (S), Gwendoluna_30 (A1), Hami1_29 (A1), Huphlepuuff_52 (S), Ibrahim_19 (T), IgnatiusPatJac_26 (A1), JoieB_51 (S), Lilbit_51 (S), LittleLaf_50 (S), Magnar_27 (A1), Marvin_48 (S), Mendokysei_18 (T), MosMoris_48 (S), Nairb_19 (T), Pace1224_18 (G2), Papez_29 (A1), Payneful_26 (A1), Poise_50 (S), Pringar_50 (S), Raela_50 (S), RedRaider77_50 (S), RonRayGun_19 (T), ShortQueendom_26 (A1), StewieG_26 (A1), Tesla_49 (S), VasuNzinga_50 (S), Whitty_19 (T), ZenTime222_19 (T), Zeuska_28 (A1),

Start 168:

- Found in 70 of 2322 (3.0%) of genes in pham
- Manual Annotations of this start: 2 of 2146
- Called 2.9% of time when present
- Phage (with cluster) where this start called: Y10_24 (K4), Y2_24 (K4),

Start 170:

- Found in 130 of 2322 (5.6%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 0.8% of time when present

- Phage (with cluster) where this start called: PSonyx_17 (singleton),

Start 172:

- Found in 88 of 2322 (3.8%) of genes in pham
- No Manual Annotations of this start.
- Called 1.1% of time when present
- Phage (with cluster) where this start called: Jolie2_18 (G4),

Start 173:

- Found in 37 of 2322 (1.6%) of genes in pham
- Manual Annotations of this start: 32 of 2146
- Called 89.2% of time when present
- Phage (with cluster) where this start called: Alatin_23 (CA), Alpacados_22 (CA), AngryOrchard_22 (CA), AppleCloud_21 (CA), Belenaria_23 (CA), Bradshaw_23 (CA), Bryce_23 (CA), CosmicSans_23 (CA), Erik_23 (CA), Espica_23 (CA), Gollum_23 (CA), Harlequin_23 (CA), Hiro_23 (CA), Krishelle_23 (CA), Lillie_23 (CA), Naiad_23 (CA), Nancinator_23 (CA), Natosaleda_23 (CA), Partridge_23 (CA), PhailMary_22 (CA), Phrankenstein_23 (CA), RER2_16 (CA), Rasputin_23 (CA), RexFury_23 (CA), Rhodalysa_23 (CA), Shuman_23 (CA), StCroix_23 (CA), Swann_23 (CA), TWAMP_23 (CA), Takoda_23 (CA), UhSalsa_23 (CA), Yogi_23 (CA), Yoncess_23 (CA),

Start 176:

- Found in 5 of 2322 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 2146
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Nyceirae_23 (DT), Phishy_22 (DT), Vordorf_22 (DT),

Start 181:

- Found in 4 of 2322 (0.2%) of genes in pham
- Manual Annotations of this start: 4 of 2146
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlueNGold_100 (DS), Boopy_101 (DS), Forza_101 (DS), Mareelih_99 (DS),

Start 183:

- Found in 6 of 2322 (0.3%) of genes in pham
- Manual Annotations of this start: 3 of 2146
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Dogfish_21 (DT), Ewald_22 (DT), Meyran_21 (DT),

Start 184:

- Found in 15 of 2322 (0.6%) of genes in pham
- Manual Annotations of this start: 11 of 2146
- Called 93.3% of time when present
- Phage (with cluster) where this start called: DonkeyMan_18 (DY), GMA2_30 (DS), Gustav_18 (CD), Heinz_19 (DY), Hibiscus_18 (DY), Jojo24_18 (DY), Mahdia_18 (CD), Pupperts_18 (CD), Reyja_19 (DY), Santhid_18 (DY), Tarzan_18 (DY), Trine_18 (CD), Upyo_18 (CD), Widow_18 (CD),

Start 187:

- Found in 69 of 2322 (3.0%) of genes in pham
- Manual Annotations of this start: 15 of 2146
- Called 24.6% of time when present
- Phage (with cluster) where this start called: Ayotoya_22 (DI), BetterKatz_22 (DI), Bock_22 (DI), Brylie_22 (DI), Chop_22 (DI), DelRio_23 (DI), DumpsterDude_19 (DW), Francois_22 (DI), GrandSlam_22 (DI), Hamood_22 (DI), Malibo_20 (DW), Mulch_22 (DI), Nadeem_22 (DI), NancyRae_22 (DI), Parada_22 (DI), Pimento_22 (DI), WheatThin_22 (DI),

Start 188:

- Found in 2 of 2322 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Lilbeanie_30 (DE5),

Start 190:

- Found in 21 of 2322 (0.9%) of genes in pham
- Manual Annotations of this start: 16 of 2146
- Called 85.7% of time when present
- Phage (with cluster) where this start called: APunk_36 (DE4), Ali17_31 (DE2), Belphegor_33 (DE), Delrey21_34 (DE4), DoctorFroggo_34 (DE4), EMoore_31 (DE2), Hans_35 (DE2), Inspectinfecti_34 (DE2), Leonard_33 (DE2), MelBins_34 (DE2), Phauci_26 (DE2), Phinally_33 (DE2), Sampson_35 (DE4), Tardus_36 (DE4), Verity_34 (DE4), ViaConlectus_35 (DE4), Zipp_34 (DE4), Zitch_36 (DE4),

Start 191:

- Found in 491 of 2322 (21.1%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 0.2% of time when present
- Phage (with cluster) where this start called: StepMih_29 (A3),

Start 192:

- Found in 14 of 2322 (0.6%) of genes in pham
- Manual Annotations of this start: 10 of 2146
- Called 78.6% of time when present
- Phage (with cluster) where this start called: Chickadee_32 (DE3), Dextert_33 (DE3), EdmundFerry_31 (DE3), GTE6_32 (DE3), GodonK_89 (DK), Kwekel_32 (DE3), Morrissey_19 (CD), Phendrix_87 (DK), RoadKill_30 (DE3), Tiamoceli_33 (DE3), Twonlo_30 (DE3),

Start 193:

- Found in 76 of 2322 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 2.6% of time when present
- Phage (with cluster) where this start called: REQ2_20 (singleton), Whack_18 (singleton),

Start 197:

- Found in 178 of 2322 (7.7%) of genes in pham
- Manual Annotations of this start: 47 of 2146
- Called 30.9% of time when present
- Phage (with cluster) where this start called: Amao_24 (E), AmericanBeauty_27 (E), Asriel_23 (E), Barbarian_23 (E), Bask21_24 (E), Bench_26 (E), BilboSwaggins_24

(E), Bruin_24 (E), BugsBunny_22 (E), ChotaBhai_24 (E), Daikon_22 (E), DoctorDiddles_24 (E), Dumbo_24 (E), Easy2Say_26 (E), Emmina_25 (E), FireRed_24 (E), Flypotenuse_22 (E), Gage_26 (E), Glexan_22 (E), Harella_23 (E), Henry_24 (E), Hopey_26 (E), HufflyPuff_23 (E), IHOP_24 (E), Icee_23 (E), Inca_23 (E), JeTaime_26 (E), Marshmallow_24 (E), Maxxinista_25 (E), Mindy_24 (E), Mosby_23 (E), Murica_23 (E), Murphy_25 (E), Nala_24 (E), NelitzaMV_24 (E), Palpatine_24 (E), Petra64142_26 (E), Phaja_24 (E), Policronamos_24 (E), Porky_24 (E), Pumpkin_26 (E), Rakim_25 (E), RiverMonster_24 (E), Ruthy_19 (DW), Sassay_23 (E), Sleepyhead_18 (singleton), Stank_27 (E), Superphikiman_34 (J), TBrady12_26 (E), Toto_24 (E), Willez_23 (E), Xandras_26 (E), YassJohnny_25 (E), Youngblood_24 (E), xkcd_25 (E),

Start 205:

- Found in 116 of 2322 (5.0%) of genes in pham
- No Manual Annotations of this start.
- Called 2.6% of time when present
- Phage (with cluster) where this start called: Abblin_35 (DE4), Natkenzie_35 (DE4), Scioto_35 (DE4),

Start 210:

- Found in 124 of 2322 (5.3%) of genes in pham
- No Manual Annotations of this start.
- Called 0.8% of time when present
- Phage (with cluster) where this start called: RGL3_16 (CA),

Start 213:

- Found in 33 of 2322 (1.4%) of genes in pham
- No Manual Annotations of this start.
- Called 3.0% of time when present
- Phage (with cluster) where this start called: GTE2_16 (CT),

Start 220:

- Found in 250 of 2322 (10.8%) of genes in pham
- Manual Annotations of this start: 45 of 2146
- Called 18.4% of time when present
- Phage (with cluster) where this start called: Archimedes_16 (DA), Archis_20 (CV), Azula_21 (CV), Barco_19 (CV), Begonia_20 (CV), BlingBling_19 (CV), Blino_19 (CV), Blueberry_21 (CV), CaptainKirk2_19 (CV), CarolAnn_19 (CV), Delian_19 (CV), Fairfaxidum_19 (CV), Fenry_18 (CV), Frokostdame_19 (CV), Gambino_21 (CV), Ghobes_16 (DA), Guacamole_19 (CV), Hitter_19 (CV), Jalammah_21 (CV), JasperJr_19 (CV), JuJu_19 (CV), KappaFarmDelta_19 (CV), Lysidious_20 (CV), Malachai_20 (CV), Melba_19 (CV), Mellie_18 (CV), MintFen_19 (CV), MissRona_21 (CV), Murp_19 (CV), Obliviate_18 (CV), PCoral7_19 (CV), Petra_21 (CV), PhrostedPhlake_20 (CV), Pipp_19 (CV), PrincePatrick_19 (CV), Samba_19 (CV), Sapo_16 (DA), Toast_19 (CV), UmaThurman_19 (CV), Utz_19 (CV), Walrus_20 (CV), William_19 (CV), Wisp_18 (CV), Wocket_20 (CV), Zarbodnamra_19 (CV), ZiggyZoo_18 (CV),

Start 228:

- Found in 276 of 2322 (11.9%) of genes in pham
- Manual Annotations of this start: 2 of 2146
- Called 0.7% of time when present
- Phage (with cluster) where this start called: DirtMcgirt_17 (F1), Sarma624_17 (F1),

Start 239:

- Found in 394 of 2322 (17.0%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 0.3% of time when present
- Phage (with cluster) where this start called: Cjw1_24 (E),

Start 260:

- Found in 44 of 2322 (1.9%) of genes in pham
- Manual Annotations of this start: 35 of 2146
- Called 90.9% of time when present
- Phage (with cluster) where this start called: Arti_41 (CR2), Bonum_44 (CR2), Buggaboo_42 (CR2), Commandaria_43 (CR2), Dalilpop_46 (CR1), Emianna_41 (CR2), Ennea_47 (CR3), Flapper_45 (CR1), Float294_43 (CR3), Foxboro_42 (CR2), Fury_50 (CR5), GRU1_31 (CR1), GTE5_32 (CR1), GTE8_30 (CR2), GrootJr_43 (CR2), IDyn_42 (CR4), Jifall16_40 (CR2), Kabluna_44 (CR2), KidneyBean_41 (CR2), Kurt_41 (CR2), Lollipop1437_46 (CR3), MerCougar_42 (CR2), NadineRae_41 (CR4), NatB6_41 (CR2), NosilaM_44 (CR2), NovumRegina_41 (CR2), Outis_42 (CR2), P1201_47 (singleton), Patio_44 (CR3), Phomeo_40 (CR2), Pleakley_50 (CR5), Skysand_43 (CR3), StarStruck_42 (CR2), Sukkupi_43 (CR4), SuperSulley_42 (CR2), Tracker_41 (CR2), Turuncu_45 (CR1), Wheezy_41 (CR2), WhoseManz_43 (CR4), Yndexa_43 (CR4),

Start 262:

- Found in 8 of 2322 (0.3%) of genes in pham
- Manual Annotations of this start: 8 of 2146
- Called 100.0% of time when present
- Phage (with cluster) where this start called: C3PO_31 (EN), Cruella_31 (EN), Darwin_34 (EN), Kimchi1738_31 (EN), PeteyPab_33 (EN), PotatoChip_34 (EN), Stickynote_33 (EN), Zion_34 (EN),

Start 264:

- Found in 7 of 2322 (0.3%) of genes in pham
- Manual Annotations of this start: 7 of 2146
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apiary_45 (CR), Braxoaddie_45 (CR), CoffeeBean_45 (CR), GuyFagieri_45 (CR), MacGully_50 (CR), Maselop_45 (CR), Polyuyuki_45 (CR),

Start 266:

- Found in 5 of 2322 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 20.0% of time when present
- Phage (with cluster) where this start called: ChewyVIII_56 (singleton),

Start 268:

- Found in 68 of 2322 (2.9%) of genes in pham
- Manual Annotations of this start: 52 of 2146
- Called 86.8% of time when present
- Phage (with cluster) where this start called: Adora_20 (CZ4), Agueybana_19 (CZ1), AlumE_19 (CZ1), Annalisa_20 (CZ4), Antonio_19 (CZ1), BatStarr_19 (CZ1), BaxterFox_18 (CZ3), Beenie_20 (CZ4), BiPauneto_44 (CR4), Bialota_19 (CZ1), Bosnia_19 (CZ1), BoyNamedSue_19 (CZ1), Bunnybear_18 (CZ), Clark_20 (CZ4),

DobbysSock_19 (CZ4), Dolores_20 (CZ4), Dorito_19 (CZ4), Easley_20 (CZ4), Eudoria_19 (CZ1), Eviarto_19 (CZ1), Herod_19 (CZ1), Hortense_20 (CZ4), Howe_20 (CZ4), HubbaBubba_40 (CR4), Hugley_19 (CZ1), Hyzer_19 (CZ1), Kita_19 (CZ1), Madeline_19 (CZ1), Manasvini_19 (CZ1), Maridalia_18 (CZ1), Mbo4_17 (singleton), Mcklovin_20 (CZ4), MichaelScott_20 (CZ4), Neobush_19 (CZ1), Nymphadora_19 (CZ1), Ohgeesy_19 (CZ), Oregono_20 (CZ4), PantheRoc_18 (CZ3), PhriskyACE_19 (CZ4), Polly_19 (CZ1), Powerball_19 (CZ4), Samman98_20 (CZ4), Sekhmet_20 (CZ4), Shlim410_20 (CZ4), Sidious_19 (CZ7), Suerte_18 (CZ4), Suscepit_19 (CZ1), Tayonia_19 (CZ1), ThankyouJordi_18 (CZ1), Thimann_20 (CZ4), TimTam_19 (CZ1), TinyDot_19 (singleton), Trumpet_19 (CZ1), Twinkle_20 (CZ4), WelcomeAyanna_18 (CZ1), WinkNick_20 (CZ4), Yeezy_20 (CZ3), Zameen_19 (CZ1), Zirinka_19 (CZ1),

Start 269:

- Found in 47 of 2322 (2.0%) of genes in pham
- Manual Annotations of this start: 31 of 2146
- Called 70.2% of time when present
- Phage (with cluster) where this start called: Attis_17 (CZ2), Bjanes7_17 (CZ2), Clap_17 (CZ2), Cynthia_17 (CZ2), Denise_17 (CZ5), Ebert_17 (CZ2), EdnaMode_17 (CZ2), Eyre_17 (singleton), Faith5x5_17 (CZ6), GemG_17 (CZ2), Gizermo_17 (CZ2), Gudmit_18 (singleton), Haley23_17 (CZ2), JCole_17 (CZ2), Lamberg_17 (CZ2), LordFarquaad_17 (CZ2), Lton_17 (CZ), Matteo_17 (CZ2), Mocha12_17 (CZ2), Moosehead_17 (CZ6), Nettuno_17 (CZ2), OneDirection_17 (CZ6), Pepperoni_17 (CZ), Pickett_17 (CZ2), RavenCo17_17 (CZ8), Sahara_17 (CZ2), Savage_17 (CZ2), SoilAssassin_17 (CZ2), Sproutie_17 (CZ2), TuertoX_17 (CZ2), Vasanti_17 (CZ2), Whiteclaw_17 (CZ2), Yeet412_17 (CZ2),

Start 283:

- Found in 2 of 2322 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Finkle_19 (singleton), GMA1_19 (singleton),

Start 288:

- Found in 98 of 2322 (4.2%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 1.0% of time when present
- Phage (with cluster) where this start called: Marietta_43 (CR4),

Start 300:

- Found in 1 of 2322 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 2146
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jace_17 (singleton),

Summary by clusters:

There are 126 clusters represented in this pham: G5, G4, G3, G2, G1, CQ2, CQ1, T, X, DC2, DC1, CZ8, CZ2, CZ3, CZ1, CZ6, CZ7, CZ4, CZ5, EN, M1, M3, M2, P2, P3, EO, P1, P6, P4, P5, O, S, EP, CR2, CR3, CR1, CR4, CR5, DE1, DE2, DE3, DE4, DE5, singleton, K3, K2, K1, K7, K6, K5, K4, K8, DN4, DN1, DN3, DN2, DU1, DU2, F, CA, J, CD, CZ, CY, V, CR, CQ, Z, CV, CT, A20, F1, F2, F3, F4, DN, DL, DK, DH, DI, DD, DE, DB, DA, DZ, DY, DW, DT, DS, DP, A15, A14, A17, A16, A11, A10, A13,

A12, I1, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, A, CY2, CY1, AB, E, AG, AF, AH, Q, L4, L5, L2, L3, L1, Y, N,

Info for manual annotations of cluster A:

- Start number 145 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A1:

- Start number 148 was manually annotated 197 times for cluster A1.
- Start number 166 was manually annotated 4 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 145 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 145 was manually annotated 23 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 145 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 145 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 128 was manually annotated 1 time for cluster A15.
- Start number 145 was manually annotated 20 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 145 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 148 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 145 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 128 was manually annotated 5 times for cluster A2.
- Start number 145 was manually annotated 96 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 145 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:

- Start number 145 was manually annotated 110 times for cluster A3.
- Start number 191 was manually annotated 1 time for cluster A3.

Info for manual annotations of cluster A4:

- Start number 145 was manually annotated 132 times for cluster A4.
- Start number 150 was manually annotated 3 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 134 was manually annotated 1 time for cluster A5.
- Start number 145 was manually annotated 36 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 128 was manually annotated 2 times for cluster A6.
- Start number 145 was manually annotated 38 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 145 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 145 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 143 was manually annotated 8 times for cluster A9.
- Start number 145 was manually annotated 24 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 116 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AF:

- Start number 160 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 118 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AH:

- Start number 143 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster CA:

- Start number 162 was manually annotated 3 times for cluster CA.
- Start number 173 was manually annotated 32 times for cluster CA.

Info for manual annotations of cluster CD:

- Start number 184 was manually annotated 6 times for cluster CD.
- Start number 192 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster CQ:

- Start number 154 was manually annotated 1 time for cluster CQ.

Info for manual annotations of cluster CQ1:

- Start number 154 was manually annotated 11 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 154 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CR:

- Start number 264 was manually annotated 7 times for cluster CR.

Info for manual annotations of cluster CR1:

- Start number 260 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 260 was manually annotated 20 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 260 was manually annotated 5 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 260 was manually annotated 5 times for cluster CR4.
- Start number 268 was manually annotated 1 time for cluster CR4.
- Start number 288 was manually annotated 1 time for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 260 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster CT:

- Start number 135 was manually annotated 8 times for cluster CT.
- Start number 145 was manually annotated 42 times for cluster CT.

Info for manual annotations of cluster CV:

- Start number 220 was manually annotated 42 times for cluster CV.

Info for manual annotations of cluster CY:

- Start number 145 was manually annotated 7 times for cluster CY.

Info for manual annotations of cluster CY1:

- Start number 145 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 129 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CZ:

- Start number 268 was manually annotated 2 times for cluster CZ.
- Start number 269 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 268 was manually annotated 25 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 269 was manually annotated 23 times for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 268 was manually annotated 2 times for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 268 was manually annotated 20 times for cluster CZ4.

Info for manual annotations of cluster CZ5:

- Start number 269 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 269 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster CZ7:

- Start number 268 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster CZ8:

- Start number 269 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DA:

- Start number 220 was manually annotated 3 times for cluster DA.

Info for manual annotations of cluster DB:

- Start number 140 was manually annotated 5 times for cluster DB.
- Start number 143 was manually annotated 4 times for cluster DB.
- Start number 154 was manually annotated 6 times for cluster DB.

Info for manual annotations of cluster DC1:

- Start number 107 was manually annotated 28 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 107 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DD:

- Start number 149 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DE1:

- Start number 107 was manually annotated 43 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 190 was manually annotated 7 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 192 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 190 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 188 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DH:

- Start number 145 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DI:

- Start number 187 was manually annotated 13 times for cluster DI.

Info for manual annotations of cluster DK:

- Start number 192 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:

- Start number 153 was manually annotated 1 time for cluster DL.
- Start number 156 was manually annotated 4 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 145 was manually annotated 6 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 145 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 145 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 145 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 145 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DP:

- Start number 137 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DS:

- Start number 154 was manually annotated 1 time for cluster DS.
- Start number 181 was manually annotated 4 times for cluster DS.

Info for manual annotations of cluster DT:

- Start number 176 was manually annotated 2 times for cluster DT.
- Start number 183 was manually annotated 3 times for cluster DT.

Info for manual annotations of cluster DU1:

- Start number 157 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 157 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster DW:

- Start number 187 was manually annotated 2 times for cluster DW.
- Start number 197 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:

- Start number 184 was manually annotated 5 times for cluster DY.

Info for manual annotations of cluster DZ:

- Start number 157 was manually annotated 4 times for cluster DZ.

Info for manual annotations of cluster E:

- Start number 137 was manually annotated 77 times for cluster E.
- Start number 197 was manually annotated 44 times for cluster E.
- Start number 239 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster EN:

- Start number 262 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster EO:

- Start number 148 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster EP:

- Start number 125 was manually annotated 8 times for cluster EP.

Info for manual annotations of cluster F1:

- Start number 132 was manually annotated 198 times for cluster F1.
- Start number 133 was manually annotated 1 time for cluster F1.
- Start number 228 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 150 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:

- Start number 132 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 122 was manually annotated 1 time for cluster F4.
- Start number 137 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster G1:

- Start number 138 was manually annotated 20 times for cluster G1.
- Start number 164 was manually annotated 38 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 164 was manually annotated 2 times for cluster G2.
- Start number 166 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:

- Start number 164 was manually annotated 1 time for cluster G3.

Info for manual annotations of cluster G4:

- Start number 110 was manually annotated 1 time for cluster G4.
- Start number 112 was manually annotated 1 time for cluster G4.

Info for manual annotations of cluster G5:

- Start number 164 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster I1:

- Start number 139 was manually annotated 6 times for cluster I1.

Info for manual annotations of cluster J:

- Start number 133 was manually annotated 28 times for cluster J.
- Start number 197 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster K1:

- Start number 138 was manually annotated 2 times for cluster K1.
- Start number 143 was manually annotated 2 times for cluster K1.
- Start number 145 was manually annotated 96 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 143 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 145 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 143 was manually annotated 4 times for cluster K4.
- Start number 145 was manually annotated 13 times for cluster K4.
- Start number 168 was manually annotated 2 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 150 was manually annotated 14 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 109 was manually annotated 1 time for cluster K6.
- Start number 121 was manually annotated 1 time for cluster K6.
- Start number 138 was manually annotated 3 times for cluster K6.
- Start number 143 was manually annotated 1 time for cluster K6.
- Start number 145 was manually annotated 15 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 145 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 145 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 98 was manually annotated 1 time for cluster L1.
- Start number 130 was manually annotated 17 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 165 was manually annotated 28 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 130 was manually annotated 16 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 130 was manually annotated 3 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 128 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 124 was manually annotated 1 time for cluster M1.
- Start number 147 was manually annotated 11 times for cluster M1.
- Start number 150 was manually annotated 1 time for cluster M1.

Info for manual annotations of cluster M2:

- Start number 115 was manually annotated 3 times for cluster M2.
- Start number 124 was manually annotated 1 time for cluster M2.
- Start number 147 was manually annotated 2 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 147 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:

- Start number 134 was manually annotated 39 times for cluster N.

Info for manual annotations of cluster O:

- Start number 113 was manually annotated 2 times for cluster O.
- Start number 118 was manually annotated 24 times for cluster O.

Info for manual annotations of cluster P1:

- Start number 114 was manually annotated 2 times for cluster P1.
- Start number 129 was manually annotated 37 times for cluster P1.

Info for manual annotations of cluster P2:

- Start number 129 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 129 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:

- Start number 129 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 129 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:

- Start number 129 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster Q:

- Start number 143 was manually annotated 22 times for cluster Q.

Info for manual annotations of cluster S:

- Start number 166 was manually annotated 16 times for cluster S.

Info for manual annotations of cluster T:

- Start number 166 was manually annotated 7 times for cluster T.

Info for manual annotations of cluster V:

- Start number 18 was manually annotated 5 times for cluster V.

Info for manual annotations of cluster X:

- Start number 130 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 102 was manually annotated 4 times for cluster Y.

Info for manual annotations of cluster Z:

- Start number 143 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 20ES_28 Start: 20226, Stop: 21998, Start Num: 145

Candidate Starts for 20ES_28:

(Start: 128 @20202 has 10 MA's), (Start: 145 @20226 has 749 MA's), (216, 20325), (303, 20460), (304, 20463), (347, 20535), (349, 20538), (381, 20592), (385, 20598), (407, 20631), (434, 20709), (470, 20796), (504, 20877), (507, 20880), (617, 21153), (668, 21258), (675, 21273), (717, 21399), (720, 21405), (757, 21453), (795, 21516), (802, 21531), (804, 21537), (821, 21591), (832, 21630),

(836, 21645), (865, 21729),

Gene: 244_26 Start: 20026, Stop: 21705, Start Num: 137

Candidate Starts for 244_26:

(Start: 137 @20026 has 84 MA's), (Start: 197 @20110 has 47 MA's), (Start: 239 @20188 has 1 MA's), (272, 20275), (282, 20290), (301, 20338), (315, 20377), (363, 20464), (380, 20497), (404, 20533), (417, 20563), (418, 20569), (441, 20638), (483, 20668), (487, 20680), (488, 20683), (510, 20740), (587, 20872), (589, 20878), (617, 20944), (620, 20950), (626, 20974), (647, 21022), (659, 21046), (665, 21055), (695, 21130), (761, 21181), (772, 21196), (833, 21358), (841, 21385), (851, 21415), (890, 21520), (938, 21598), (947, 21634), (950, 21643), (959, 21676), (965, 21691),

Gene: 32HC_26 Start: 18979, Stop: 20718, Start Num: 143

Candidate Starts for 32HC_26:

(Start: 143 @18979 has 53 MA's), (207, 19051), (Start: 239 @19114 has 1 MA's), (257, 19171), (336, 19351), (367, 19414), (400, 19465), (410, 19486), (425, 19531), (488, 19648), (489, 19651), (520, 19735), (521, 19738), (523, 19753), (531, 19771), (564, 19831), (692, 20098), (733, 20161), (758, 20209), (855, 20434), (860, 20452), (895, 20536), (938, 20605), (960, 20689), (961, 20692), (971, 20710),

Gene: 40AC_31 Start: 22419, Stop: 24191, Start Num: 145

Candidate Starts for 40AC_31:

(Start: 128 @22395 has 10 MA's), (Start: 145 @22419 has 749 MA's), (216, 22518), (Start: 239 @22554 has 1 MA's), (303, 22653), (304, 22656), (347, 22728), (349, 22731), (381, 22785), (415, 22842), (434, 22902), (440, 22920), (470, 22989), (501, 23064), (504, 23070), (507, 23073), (583, 23262), (617, 23346), (619, 23349), (629, 23385), (668, 23451), (675, 23466), (716, 23589), (720, 23598), (729, 23613), (757, 23646), (779, 23676), (795, 23709), (802, 23724), (806, 23739), (821, 23784), (832, 23823), (836, 23838), (865, 23922), (890, 23988), (905, 24027), (907, 24033), (935, 24087), (948, 24129),

Gene: 8UZL_21 Start: 16005, Stop: 17855, Start Num: 116

Candidate Starts for 8UZL_21:

(100, 15969), (Start: 116 @16005 has 4 MA's), (Start: 170 @16083 has 1 MA's), (204, 16143), (Start: 239 @16209 has 1 MA's), (256, 16260), (261, 16275), (263, 16278), (417, 16584), (434, 16641), (456, 16689), (458, 16692), (481, 16755), (488, 16776), (493, 16794), (511, 16839), (514, 16848), (520, 16863), (527, 16887), (589, 16998), (606, 17037), (615, 17058), (626, 17094), (627, 17097), (652, 17139), (663, 17154), (666, 17160), (824, 17469), (826, 17478), (828, 17484), (832, 17496), (841, 17526), (847, 17544), (849, 17550), (895, 17670), (932, 17727), (958, 17814), (960, 17823),

Gene: A6_25 Start: 20661, Stop: 22463, Start Num: 148

Candidate Starts for A6_25:

(Start: 148 @20661 has 202 MA's), (Start: 166 @20682 has 28 MA's), (Start: 191 @20724 has 1 MA's), (215, 20769), (349, 20985), (376, 21030), (381, 21039), (407, 21078), (425, 21129), (426, 21132), (507, 21327), (528, 21396), (612, 21585), (616, 21597), (617, 21600), (623, 21621), (674, 21717), (675, 21720), (677, 21726), (701, 21795), (708, 21813), (710, 21822), (720, 21852), (779, 21948), (795, 21981), (802, 21996), (845, 22137), (865, 22194), (907, 22305),

Gene: ABCat_23 Start: 19745, Stop: 21424, Start Num: 137

Candidate Starts for ABCat_23:

(Start: 137 @19745 has 84 MA's), (Start: 197 @19829 has 47 MA's), (Start: 239 @19907 has 1 MA's), (272, 19994), (282, 20009), (301, 20057), (315, 20096), (363, 20183), (380, 20216), (404, 20252), (417, 20282), (418, 20288), (441, 20357), (483, 20387), (487, 20399), (488, 20402), (510, 20459), (587, 20591), (589, 20597), (617, 20663), (620, 20669), (626, 20693), (647, 20741), (659, 20765), (665, 20774), (695, 20849), (761, 20900), (772, 20915), (833, 21077), (841, 21104), (851, 21134),

(890, 21239), (938, 21317), (947, 21353), (950, 21362), (959, 21395), (965, 21410),

Gene: ACFishhook_29 Start: 20541, Stop: 22337, Start Num: 145

Candidate Starts for ACFishhook_29:

(Start: 145 @20541 has 749 MA's), (Start: 191 @20598 has 1 MA's), (199, 20613), (233, 20667), (Start: 239 @20682 has 1 MA's), (297, 20769), (303, 20781), (304, 20784), (349, 20859), (361, 20874), (470, 21117), (528, 21270), (560, 21357), (616, 21471), (623, 21495), (627, 21507), (629, 21513), (675, 21594), (701, 21669), (708, 21687), (710, 21696), (717, 21720), (720, 21726), (739, 21765), (777, 21819), (779, 21822), (791, 21843), (865, 22068), (905, 22173), (907, 22179), (959, 22314),

Gene: AFIS_27 Start: 21204, Stop: 23006, Start Num: 148

Candidate Starts for AFIS_27:

(Start: 148 @21204 has 202 MA's), (Start: 166 @21225 has 28 MA's), (Start: 191 @21267 has 1 MA's), (215, 21312), (349, 21528), (376, 21573), (381, 21582), (407, 21621), (425, 21672), (426, 21675), (507, 21870), (528, 21939), (616, 22140), (617, 22143), (623, 22164), (674, 22260), (675, 22263), (677, 22269), (701, 22338), (708, 22356), (710, 22365), (720, 22395), (779, 22491), (795, 22524), (802, 22539), (845, 22680), (865, 22737), (907, 22848), (966, 23001),

Gene: AN3_28 Start: 20204, Stop: 21994, Start Num: 145

Candidate Starts for AN3_28:

(103, 20138), (Start: 128 @20180 has 10 MA's), (Start: 145 @20204 has 749 MA's), (303, 20438), (304, 20441), (347, 20513), (349, 20516), (361, 20531), (381, 20570), (385, 20576), (434, 20687), (440, 20705), (445, 20720), (470, 20774), (504, 20855), (507, 20858), (560, 21014), (582, 21044), (620, 21137), (675, 21251), (717, 21377), (795, 21512), (802, 21527), (808, 21551), (832, 21626), (833, 21629), (836, 21641), (865, 21725), (894, 21803), (905, 21830), (907, 21836), (928, 21881), (935, 21890), (959, 21971),

Gene: AN9_31 Start: 20192, Stop: 21982, Start Num: 145

Candidate Starts for AN9_31:

(103, 20126), (Start: 128 @20168 has 10 MA's), (Start: 145 @20192 has 749 MA's), (303, 20426), (304, 20429), (347, 20501), (349, 20504), (361, 20519), (381, 20558), (385, 20564), (434, 20675), (440, 20693), (445, 20708), (470, 20762), (504, 20843), (507, 20846), (560, 21002), (582, 21032), (620, 21125), (675, 21239), (717, 21365), (795, 21500), (802, 21515), (808, 21539), (832, 21614), (833, 21617), (836, 21629), (865, 21713), (894, 21791), (905, 21818), (907, 21824), (928, 21869), (935, 21878), (959, 21959),

Gene: ANI8_31 Start: 20192, Stop: 21982, Start Num: 145

Candidate Starts for ANI8_31:

(103, 20126), (Start: 128 @20168 has 10 MA's), (Start: 145 @20192 has 749 MA's), (303, 20426), (304, 20429), (347, 20501), (349, 20504), (361, 20519), (381, 20558), (385, 20564), (434, 20675), (440, 20693), (445, 20708), (470, 20762), (504, 20843), (507, 20846), (560, 21002), (582, 21032), (620, 21125), (675, 21239), (717, 21365), (795, 21500), (802, 21515), (808, 21539), (832, 21614), (833, 21617), (836, 21629), (865, 21713), (894, 21791), (905, 21818), (907, 21824), (928, 21869), (935, 21878), (959, 21959),

Gene: APunk_36 Start: 30211, Stop: 31833, Start Num: 190

Candidate Starts for APunk_36:

(Start: 154 @30154 has 21 MA's), (Start: 190 @30211 has 16 MA's), (205, 30232), (210, 30244), (237, 30295), (251, 30334), (257, 30358), (294, 30430), (329, 30517), (354, 30568), (371, 30598), (417, 30679), (424, 30706), (489, 30805), (500, 30835), (504, 30844), (516, 30877), (517, 30880), (537, 30940), (586, 30988), (589, 30997), (628, 31096), (649, 31135), (656, 31147), (755, 31291), (772, 31315), (787, 31342), (809, 31402), (810, 31405), (820, 31432), (824, 31447), (839, 31504), (843,

31516), (859, 31564), (862, 31573), (865, 31579), (875, 31600), (886, 31633), (909, 31678), (938, 31729), (959, 31807), (961, 31816),

Gene: Abblin_35 Start: 30775, Stop: 32376, Start Num: 205

Candidate Starts for Abblin_35:

(Start: 190 @30754 has 16 MA's), (205, 30775), (210, 30787), (237, 30838), (257, 30901), (294, 30973), (329, 31060), (354, 31111), (371, 31141), (417, 31222), (424, 31249), (489, 31348), (500, 31378), (504, 31387), (516, 31420), (517, 31423), (518, 31426), (521, 31435), (537, 31483), (586, 31531), (589, 31540), (628, 31639), (649, 31678), (656, 31690), (701, 31807), (764, 31846), (787, 31885), (808, 31942), (822, 31981), (824, 31990), (839, 32047), (843, 32059), (862, 32116), (865, 32122), (875, 32143), (886, 32176), (909, 32221), (959, 32350), (961, 32359),

Gene: AbbyPaige_30 Start: 20697, Stop: 22469, Start Num: 145

Candidate Starts for AbbyPaige_30:

(Start: 128 @20673 has 10 MA's), (Start: 145 @20697 has 749 MA's), (216, 20796), (256, 20880), (303, 20931), (304, 20934), (347, 21006), (349, 21009), (381, 21063), (407, 21102), (434, 21180), (470, 21267), (504, 21348), (507, 21351), (582, 21537), (617, 21624), (668, 21729), (675, 21744), (717, 21870), (720, 21876), (757, 21924), (802, 22002), (804, 22008), (821, 22062), (832, 22101), (836, 22116), (865, 22200), (907, 22311),

Gene: AbbysRanger_27 Start: 19840, Stop: 21639, Start Num: 145

Candidate Starts for AbbysRanger_27:

(Start: 128 @19816 has 10 MA's), (Start: 145 @19840 has 749 MA's), (Start: 191 @19900 has 1 MA's), (233, 19969), (261, 20047), (297, 20071), (303, 20083), (304, 20086), (328, 20122), (349, 20161), (361, 20176), (381, 20215), (426, 20308), (434, 20332), (470, 20419), (516, 20533), (528, 20572), (560, 20659), (587, 20704), (616, 20773), (623, 20797), (627, 20809), (675, 20896), (701, 20971), (708, 20989), (710, 20998), (717, 21022), (720, 21028), (729, 21043), (749, 21076), (777, 21121), (779, 21124), (791, 21145), (865, 21370), (894, 21448), (905, 21475), (907, 21481), (959, 21616),

Gene: Abbysshoes_28 Start: 21319, Stop: 23121, Start Num: 148

Candidate Starts for Abbysshoes_28:

(Start: 148 @21319 has 202 MA's), (Start: 166 @21340 has 28 MA's), (Start: 191 @21382 has 1 MA's), (215, 21427), (349, 21643), (376, 21688), (381, 21697), (407, 21736), (425, 21787), (426, 21790), (507, 21985), (528, 22054), (616, 22255), (617, 22258), (623, 22279), (674, 22375), (675, 22378), (677, 22384), (701, 22453), (708, 22471), (710, 22480), (720, 22510), (779, 22606), (795, 22639), (802, 22654), (845, 22795), (865, 22852), (907, 22963),

Gene: Abdiel_26 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for Abdiel_26:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (833, 21237), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: Abrogate_280 Start: 21879, Stop: 23681, Start Num: 148

Candidate Starts for Abrogate_280:

(Start: 148 @21879 has 202 MA's), (Start: 166 @21900 has 28 MA's), (Start: 191 @21942 has 1 MA's), (215, 21987), (349, 22203), (376, 22248), (381, 22257), (407, 22296), (425, 22347), (426, 22350), (507, 22545), (528, 22614), (616, 22815), (617, 22818), (623, 22839), (674, 22935), (675,

22938), (677, 22944), (701, 23013), (708, 23031), (710, 23040), (720, 23070), (779, 23166), (795, 23199), (802, 23214), (845, 23355), (865, 23412), (907, 23523),

Gene: Abscondus_47 Start: 29340, Stop: 31031, Start Num: 154

Candidate Starts for Abscondus_47:

(Start: 154 @29340 has 21 MA's), (Start: 193 @29400 has 1 MA's), (208, 29433), (Start: 228 @29463 has 2 MA's), (229, 29466), (291, 29625), (295, 29634), (351, 29763), (378, 29811), (510, 30024), (511, 30030), (520, 30054), (600, 30183), (606, 30204), (620, 30237), (695, 30435), (810, 30588), (841, 30687), (845, 30699), (848, 30708), (880, 30792), (948, 30939), (958, 30975),

Gene: Achebe_26 Start: 19823, Stop: 21622, Start Num: 145

Candidate Starts for Achebe_26:

(Start: 128 @19799 has 10 MA's), (Start: 145 @19823 has 749 MA's), (Start: 150 @19829 has 25 MA's), (Start: 191 @19883 has 1 MA's), (233, 19952), (261, 20030), (297, 20054), (304, 20069), (328, 20105), (349, 20144), (361, 20159), (381, 20198), (426, 20291), (434, 20315), (470, 20402), (516, 20516), (528, 20555), (560, 20642), (587, 20687), (616, 20756), (623, 20780), (627, 20792), (675, 20879), (701, 20954), (708, 20972), (710, 20981), (717, 21005), (720, 21011), (729, 21026), (749, 21059), (777, 21104), (779, 21107), (791, 21128), (865, 21353), (894, 21431), (905, 21458), (907, 21464), (959, 21599),

Gene: Acme_29 Start: 21420, Stop: 23222, Start Num: 148

Candidate Starts for Acme_29:

(Start: 148 @21420 has 202 MA's), (Start: 166 @21441 has 28 MA's), (Start: 191 @21483 has 1 MA's), (215, 21528), (349, 21744), (376, 21789), (381, 21798), (407, 21837), (425, 21888), (426, 21891), (507, 22086), (528, 22155), (616, 22356), (617, 22359), (623, 22380), (674, 22476), (675, 22479), (677, 22485), (701, 22554), (708, 22572), (710, 22581), (720, 22611), (779, 22707), (795, 22740), (802, 22755), (845, 22896), (865, 22953), (907, 23064),

Gene: Acolyte_28 Start: 20741, Stop: 22531, Start Num: 145

Candidate Starts for Acolyte_28:

(103, 20675), (Start: 128 @20717 has 10 MA's), (Start: 145 @20741 has 749 MA's), (216, 20840), (Start: 239 @20876 has 1 MA's), (246, 20894), (261, 20939), (297, 20963), (303, 20975), (304, 20978), (347, 21050), (349, 21053), (381, 21107), (385, 21113), (434, 21224), (440, 21242), (470, 21311), (494, 21371), (507, 21395), (523, 21455), (528, 21464), (560, 21551), (582, 21581), (627, 21701), (629, 21707), (675, 21788), (717, 21914), (739, 21959), (779, 22016), (795, 22049), (802, 22064), (808, 22088), (821, 22124), (832, 22163), (836, 22178), (865, 22262), (905, 22367), (907, 22373), (935, 22427), (959, 22508),

Gene: Acquire49_18 Start: 16746, Stop: 18515, Start Num: 130

Candidate Starts for Acquire49_18:

(Start: 98 @16683 has 1 MA's), (106, 16704), (Start: 114 @16719 has 2 MA's), (Start: 130 @16746 has 38 MA's), (194, 16839), (Start: 220 @16887 has 45 MA's), (225, 16893), (245, 16920), (246, 16923), (248, 16929), (274, 17001), (281, 17010), (301, 17034), (306, 17049), (323, 17079), (397, 17205), (403, 17214), (413, 17235), (418, 17250), (440, 17319), (451, 17355), (467, 17376), (494, 17445), (510, 17484), (583, 17622), (587, 17634), (616, 17709), (619, 17715), (623, 17733), (638, 17772), (657, 17805), (661, 17814), (669, 17823), (674, 17832), (675, 17835), (716, 17955), (732, 17991), (787, 18039), (794, 18051), (824, 18105), (854, 18201), (859, 18219), (861, 18225), (862, 18228), (879, 18261), (886, 18285), (912, 18348), (932, 18390), (944, 18429), (950, 18447), (956, 18468), (961, 18489),

Gene: ActinUp_23 Start: 17157, Stop: 18923, Start Num: 145

Candidate Starts for ActinUp_23:

(Start: 145 @17157 has 749 MA's), (Start: 170 @17187 has 1 MA's), (251, 17346), (261, 17379), (276, 17409), (291, 17442), (298, 17454), (338, 17544), (361, 17586), (404, 17658), (409, 17667), (422, 17706), (436, 17751), (443, 17772), (444, 17775), (482, 17829), (488, 17847), (504, 17889), (508, 17895), (516, 17922), (586, 18060), (593, 18078), (612, 18120), (619, 18138), (628, 18168), (647, 18195), (693, 18300), (797, 18459), (809, 18495), (820, 18525), (823, 18534), (845, 18609), (862, 18660), (909, 18759), (950, 18855), (960, 18894), (961, 18897), (971, 18915),

Gene: Adahisdi_28 Start: 21327, Stop: 23129, Start Num: 148

Candidate Starts for Adahisdi_28:

(Start: 148 @21327 has 202 MA's), (Start: 166 @21348 has 28 MA's), (Start: 191 @21390 has 1 MA's), (215, 21435), (349, 21651), (376, 21696), (381, 21705), (407, 21744), (425, 21795), (426, 21798), (507, 21993), (528, 22062), (616, 22263), (617, 22266), (623, 22287), (674, 22383), (675, 22386), (677, 22392), (701, 22461), (708, 22479), (710, 22488), (720, 22518), (779, 22614), (795, 22647), (802, 22662), (845, 22803), (865, 22860), (907, 22971),

Gene: Adelaide_17 Start: 16318, Stop: 18015, Start Num: 125

Candidate Starts for Adelaide_17:

(Start: 125 @16318 has 8 MA's), (Start: 138 @16339 has 25 MA's), (198, 16423), (210, 16450), (215, 16456), (301, 16588), (329, 16639), (349, 16672), (365, 16696), (425, 16816), (436, 16849), (442, 16867), (468, 16921), (488, 16966), (510, 17023), (513, 17035), (525, 17074), (574, 17134), (584, 17155), (587, 17164), (612, 17221), (647, 17311), (698, 17419), (715, 17473), (717, 17479), (723, 17497), (804, 17593), (818, 17614), (836, 17659), (892, 17818), (901, 17833), (906, 17848), (909, 17860), (965, 18004),

Gene: Adephagia_23 Start: 17154, Stop: 18920, Start Num: 145

Candidate Starts for Adephagia_23:

(Start: 145 @17154 has 749 MA's), (Start: 170 @17184 has 1 MA's), (251, 17343), (261, 17376), (276, 17406), (291, 17439), (298, 17451), (338, 17541), (361, 17583), (404, 17655), (409, 17664), (422, 17703), (436, 17748), (443, 17769), (444, 17772), (482, 17826), (488, 17844), (504, 17886), (508, 17892), (516, 17919), (586, 18057), (593, 18075), (612, 18117), (619, 18135), (628, 18165), (647, 18192), (693, 18297), (797, 18456), (809, 18492), (820, 18522), (823, 18531), (845, 18606), (862, 18657), (909, 18756), (950, 18852), (960, 18891), (961, 18894), (971, 18912),

Gene: Adnama_27 Start: 20253, Stop: 21932, Start Num: 137

Candidate Starts for Adnama_27:

(Start: 137 @20253 has 84 MA's), (Start: 197 @20337 has 47 MA's), (Start: 239 @20415 has 1 MA's), (272, 20502), (282, 20517), (301, 20565), (315, 20604), (363, 20691), (380, 20724), (404, 20760), (417, 20790), (418, 20796), (441, 20865), (483, 20895), (487, 20907), (488, 20910), (510, 20967), (587, 21099), (589, 21105), (617, 21171), (620, 21177), (626, 21201), (647, 21249), (659, 21273), (665, 21282), (695, 21357), (761, 21408), (772, 21423), (833, 21585), (841, 21612), (851, 21642), (890, 21747), (938, 21825), (947, 21861), (950, 21870), (959, 21903), (965, 21918),

Gene: Adonis_23 Start: 17160, Stop: 18926, Start Num: 145

Candidate Starts for Adonis_23:

(Start: 145 @17160 has 749 MA's), (Start: 170 @17190 has 1 MA's), (251, 17349), (261, 17382), (276, 17412), (291, 17445), (298, 17457), (338, 17547), (361, 17589), (404, 17661), (409, 17670), (422, 17709), (436, 17754), (443, 17775), (444, 17778), (482, 17832), (488, 17850), (504, 17892), (508, 17898), (516, 17925), (586, 18063), (593, 18081), (612, 18123), (619, 18141), (628, 18171), (647, 18198), (693, 18303), (797, 18462), (809, 18498), (823, 18537), (845, 18612), (862, 18663), (950, 18858), (960, 18897), (961, 18900), (971, 18918),

Gene: Adora_20 Start: 17855, Stop: 19435, Start Num: 268

Candidate Starts for Adora_20:

(217, 17738), (Start: 268 @17855 has 52 MA's), (418, 18113), (425, 18134), (443, 18188), (459, 18227), (482, 18284), (489, 18305), (582, 18476), (588, 18494), (601, 18518), (608, 18539), (628, 18581), (671, 18662), (705, 18752), (722, 18803), (745, 18854), (748, 18857), (779, 18911), (813, 19001), (913, 19280), (918, 19289), (932, 19319),

Gene: Adzzy_29 Start: 18919, Stop: 20709, Start Num: 145

Candidate Starts for Adzzy_29:

(103, 18853), (Start: 128 @18895 has 10 MA's), (Start: 145 @18919 has 749 MA's), (Start: 187 @18964 has 15 MA's), (Start: 197 @18979 has 47 MA's), (246, 19072), (303, 19153), (304, 19156), (347, 19228), (349, 19231), (361, 19246), (381, 19285), (385, 19291), (434, 19402), (436, 19408), (445, 19435), (470, 19489), (504, 19570), (560, 19729), (582, 19759), (620, 19852), (629, 19885), (657, 19936), (675, 19966), (717, 20092), (765, 20173), (773, 20182), (795, 20227), (802, 20242), (808, 20266), (832, 20341), (833, 20344), (836, 20356), (865, 20440), (905, 20545), (935, 20605), (959, 20686),

Gene: Aegeus_18 Start: 16306, Stop: 18069, Start Num: 128

Candidate Starts for Aegeus_18:

(106, 16267), (Start: 114 @16282 has 2 MA's), (Start: 128 @16306 has 10 MA's), (155, 16327), (215, 16429), (225, 16444), (248, 16480), (276, 16555), (281, 16561), (297, 16579), (301, 16585), (303, 16591), (376, 16723), (397, 16756), (405, 16768), (415, 16789), (467, 16927), (494, 16996), (500, 17011), (507, 17023), (510, 17035), (512, 17044), (523, 17083), (527, 17089), (535, 17107), (543, 17137), (583, 17179), (616, 17266), (627, 17302), (638, 17329), (661, 17371), (674, 17389), (675, 17392), (676, 17395), (701, 17467), (703, 17470), (729, 17536), (732, 17548), (787, 17596), (824, 17662), (829, 17680), (841, 17722), (847, 17740), (862, 17785), (865, 17791), (907, 17887), (909, 17896), (912, 17905), (936, 17953), (938, 17956), (944, 17983), (950, 18001), (952, 18010), (956, 18022), (959, 18034), (961, 18043), (969, 18055),

Gene: Aeneas_29 Start: 21456, Stop: 23258, Start Num: 148

Candidate Starts for Aeneas_29:

(Start: 148 @21456 has 202 MA's), (Start: 166 @21477 has 28 MA's), (Start: 191 @21519 has 1 MA's), (215, 21564), (349, 21780), (376, 21825), (381, 21834), (407, 21873), (425, 21924), (426, 21927), (507, 22122), (528, 22191), (616, 22392), (617, 22395), (623, 22416), (674, 22512), (675, 22515), (677, 22521), (701, 22590), (708, 22608), (710, 22617), (720, 22647), (779, 22743), (795, 22776), (802, 22791), (845, 22932), (865, 22989), (907, 23100),

Gene: Affeca_33 Start: 30652, Stop: 32415, Start Num: 107

Candidate Starts for Affeca_33:

(100, 30634), (Start: 107 @30652 has 72 MA's), (Start: 126 @30688 has 1 MA's), (216, 30826), (259, 30922), (265, 30931), (319, 31000), (349, 31051), (376, 31096), (385, 31111), (425, 31192), (440, 31237), (443, 31246), (487, 31336), (495, 31366), (503, 31381), (510, 31405), (520, 31435), (586, 31540), (629, 31657), (644, 31675), (649, 31690), (668, 31720), (674, 31732), (675, 31735), (686, 31762), (845, 32086), (846, 32089), (862, 32137), (875, 32164), (884, 32191), (905, 32245), (913, 32272), (966, 32410),

Gene: Agaliana_28 Start: 21421, Stop: 23202, Start Num: 166

Candidate Starts for Agaliana_28:

(Start: 148 @21400 has 202 MA's), (Start: 166 @21421 has 28 MA's), (Start: 191 @21463 has 1 MA's), (215, 21508), (349, 21724), (376, 21769), (381, 21778), (425, 21868), (426, 21871), (434, 21895), (507, 22066), (528, 22135), (616, 22336), (617, 22339), (623, 22360), (674, 22456), (675, 22459), (677, 22465), (701, 22534), (708, 22552), (710, 22561), (720, 22591), (779, 22687), (795, 22720), (802, 22735), (845, 22876), (865, 22933), (907, 23044),

Gene: Agape74_30 Start: 20673, Stop: 22445, Start Num: 145

Candidate Starts for Agape74_30:

(Start: 128 @20649 has 10 MA's), (Start: 145 @20673 has 749 MA's), (216, 20772), (256, 20856), (303, 20907), (304, 20910), (347, 20982), (349, 20985), (381, 21039), (407, 21078), (434, 21156), (470, 21243), (504, 21324), (507, 21327), (617, 21600), (668, 21705), (675, 21720), (717, 21846), (720, 21852), (757, 21900), (802, 21978), (804, 21984), (821, 22038), (832, 22077), (836, 22092), (865, 22176), (907, 22287),

Gene: Agatha_18 Start: 15732, Stop: 17429, Start Num: 145

Candidate Starts for Agatha_18:

(Start: 135 @15729 has 8 MA's), (Start: 145 @15732 has 749 MA's), (263, 15942), (349, 16065), (379, 16116), (423, 16203), (433, 16233), (438, 16248), (442, 16260), (481, 16338), (485, 16350), (493, 16377), (506, 16410), (516, 16443), (520, 16455), (535, 16497), (606, 16620), (632, 16692), (675, 16770), (680, 16785), (689, 16803), (708, 16860), (779, 16953), (796, 16989), (802, 17001), (804, 17007), (807, 17019), (818, 17028), (844, 17100), (845, 17103), (847, 17109), (851, 17121), (875, 17181), (890, 17226), (893, 17235), (907, 17268), (940, 17334),

Gene: Agent47_21 Start: 17591, Stop: 19363, Start Num: 150

Candidate Starts for Agent47_21:

(Start: 150 @17591 has 25 MA's), (155, 17597), (172, 17621), (Start: 193 @17654 has 1 MA's), (222, 17702), (244, 17756), (261, 17807), (291, 17870), (341, 17978), (404, 18086), (443, 18200), (444, 18203), (465, 18242), (482, 18257), (486, 18269), (488, 18275), (501, 18311), (504, 18317), (508, 18323), (520, 18362), (527, 18386), (586, 18488), (613, 18551), (693, 18731), (754, 18830), (802, 18908), (808, 18932), (810, 18938), (822, 18971), (845, 19049), (847, 19055), (914, 19208), (955, 19313), (956, 19316), (960, 19334),

Gene: AgentM_24 Start: 19734, Stop: 21533, Start Num: 145

Candidate Starts for AgentM_24:

(Start: 145 @19734 has 749 MA's), (Start: 220 @19839 has 45 MA's), (240, 19872), (304, 19971), (349, 20046), (361, 20061), (379, 20097), (419, 20169), (423, 20184), (434, 20217), (436, 20223), (523, 20448), (527, 20454), (560, 20544), (613, 20649), (616, 20658), (629, 20700), (637, 20718), (674, 20778), (675, 20781), (701, 20856), (708, 20874), (777, 21015), (795, 21051), (865, 21264), (904, 21366), (907, 21375), (953, 21489), (959, 21510), (961, 21519),

Gene: Ageofdapage_23 Start: 17088, Stop: 18854, Start Num: 145

Candidate Starts for Ageofdapage_23:

(Start: 145 @17088 has 749 MA's), (Start: 170 @17118 has 1 MA's), (251, 17277), (261, 17310), (276, 17340), (291, 17373), (298, 17385), (338, 17475), (357, 17511), (361, 17517), (404, 17589), (409, 17598), (422, 17637), (436, 17682), (443, 17703), (444, 17706), (488, 17778), (501, 17814), (504, 17820), (508, 17826), (516, 17853), (527, 17889), (586, 17991), (593, 18009), (619, 18069), (628, 18099), (647, 18126), (693, 18231), (750, 18321), (797, 18390), (809, 18426), (820, 18456), (823, 18465), (845, 18540), (862, 18591), (909, 18690), (938, 18741), (950, 18786), (960, 18825), (961, 18828), (971, 18846),

Gene: Aggie_18 Start: 14990, Stop: 16699, Start Num: 134

Candidate Starts for Aggie_18:

(Start: 134 @14990 has 40 MA's), (161, 15017), (Start: 228 @15122 has 2 MA's), (232, 15134), (245, 15170), (263, 15221), (277, 15251), (282, 15257), (294, 15284), (296, 15290), (349, 15410), (379, 15464), (383, 15470), (395, 15488), (404, 15500), (406, 15503), (415, 15524), (427, 15566), (438, 15599), (481, 15650), (486, 15665), (501, 15707), (509, 15722), (510, 15728), (523, 15776), (535, 15800), (554, 15830), (586, 15854), (612, 15914), (616, 15926), (636, 15980), (644, 15989), (670, 16049), (671, 16052), (755, 16157), (761, 16166), (785, 16205), (832, 16343), (885, 16493), (886, 16496), (889, 16505), (905, 16526), (916, 16553), (938, 16589), (965, 16682),

Gene: Aglet_29 Start: 20380, Stop: 22176, Start Num: 145

Candidate Starts for Aglet_29:

(Start: 145 @20380 has 749 MA's), (Start: 191 @20437 has 1 MA's), (199, 20452), (216, 20485), (233, 20506), (Start: 239 @20521 has 1 MA's), (297, 20608), (303, 20620), (304, 20623), (349, 20698), (361, 20713), (379, 20749), (470, 20956), (516, 21070), (528, 21109), (560, 21196), (616, 21310), (623, 21334), (629, 21352), (675, 21433), (701, 21508), (708, 21526), (717, 21559), (720, 21565), (739, 21604), (777, 21658), (779, 21661), (791, 21682), (810, 21739), (865, 21907), (905, 22012), (907, 22018), (959, 22153),

Gene: AgronaGT15_29 Start: 20287, Stop: 22083, Start Num: 145

Candidate Starts for AgronaGT15_29:

(Start: 145 @20287 has 749 MA's), (Start: 191 @20344 has 1 MA's), (199, 20359), (216, 20392), (233, 20413), (Start: 239 @20428 has 1 MA's), (297, 20515), (303, 20527), (304, 20530), (349, 20605), (361, 20620), (379, 20656), (470, 20863), (516, 20977), (528, 21016), (560, 21103), (616, 21217), (623, 21241), (629, 21259), (675, 21340), (701, 21415), (708, 21433), (717, 21466), (720, 21472), (739, 21511), (777, 21565), (779, 21568), (791, 21589), (810, 21646), (865, 21814), (905, 21919), (907, 21925), (959, 22060),

Gene: Agueybana_19 Start: 17777, Stop: 19375, Start Num: 268

Candidate Starts for Agueybana_19:

(Start: 268 @17777 has 52 MA's), (414, 18026), (418, 18035), (424, 18053), (425, 18056), (443, 18110), (472, 18185), (496, 18254), (499, 18263), (505, 18275), (521, 18326), (529, 18353), (532, 18362), (534, 18365), (582, 18398), (605, 18455), (628, 18521), (683, 18632), (694, 18656), (705, 18692), (745, 18794), (779, 18851), (813, 18941), (851, 19058), (894, 19181), (932, 19259),

Gene: AikoCarson_17 Start: 15037, Stop: 16731, Start Num: 145

Candidate Starts for AikoCarson_17:

(Start: 135 @15034 has 8 MA's), (Start: 145 @15037 has 749 MA's), (213, 15136), (Start: 220 @15148 has 45 MA's), (263, 15244), (328, 15328), (379, 15418), (415, 15478), (442, 15562), (463, 15607), (481, 15640), (485, 15652), (492, 15676), (516, 15745), (520, 15757), (606, 15922), (632, 15994), (675, 16072), (680, 16087), (689, 16105), (708, 16162), (802, 16303), (804, 16309), (807, 16321), (818, 16330), (844, 16402), (845, 16405), (847, 16411), (851, 16423), (890, 16528), (893, 16537), (907, 16570), (965, 16723),

Gene: Ailee_33 Start: 31142, Stop: 32905, Start Num: 107

Candidate Starts for Ailee_33:

(100, 31124), (Start: 107 @31142 has 72 MA's), (Start: 126 @31178 has 1 MA's), (216, 31316), (259, 31412), (265, 31421), (319, 31490), (349, 31541), (376, 31586), (385, 31601), (425, 31682), (440, 31727), (443, 31736), (487, 31826), (495, 31856), (503, 31871), (510, 31895), (520, 31925), (586, 32030), (629, 32147), (644, 32165), (649, 32180), (668, 32210), (674, 32222), (675, 32225), (686, 32252), (845, 32576), (846, 32579), (862, 32627), (875, 32654), (884, 32681), (905, 32735), (913, 32762), (961, 32891),

Gene: Airmid_24 Start: 18975, Stop: 20774, Start Num: 145

Candidate Starts for Airmid_24:

(Start: 145 @18975 has 749 MA's), (304, 19212), (349, 19287), (361, 19302), (379, 19338), (419, 19410), (423, 19425), (434, 19458), (435, 19461), (436, 19464), (516, 19659), (523, 19689), (527, 19695), (560, 19785), (587, 19830), (616, 19899), (629, 19941), (637, 19959), (674, 20019), (675, 20022), (708, 20115), (777, 20256), (795, 20292), (904, 20607), (907, 20616), (959, 20751),

Gene: Ajay_28 Start: 21632, Stop: 23434, Start Num: 148

Candidate Starts for Ajay_28:

(Start: 148 @21632 has 202 MA's), (Start: 166 @21653 has 28 MA's), (Start: 191 @21695 has 1 MA's), (215, 21740), (349, 21956), (376, 22001), (381, 22010), (425, 22100), (426, 22103), (507, 22298), (528, 22367), (612, 22556), (616, 22568), (617, 22571), (623, 22592), (674, 22688), (675, 22691), (677, 22697), (701, 22766), (708, 22784), (710, 22793), (720, 22823), (779, 22919), (795, 22952), (802, 22967), (845, 23108), (865, 23165), (907, 23276),

Gene: Akhila_17 Start: 15476, Stop: 17185, Start Num: 132

Candidate Starts for Akhila_17:

(Start: 132 @15476 has 199 MA's), (198, 15563), (Start: 228 @15608 has 2 MA's), (237, 15632), (277, 15737), (282, 15743), (290, 15761), (301, 15791), (349, 15896), (383, 15956), (398, 15977), (404, 15986), (415, 16010), (481, 16136), (486, 16151), (488, 16157), (501, 16193), (503, 16196), (509, 16208), (510, 16214), (523, 16262), (530, 16274), (531, 16280), (586, 16340), (590, 16352), (606, 16388), (612, 16400), (644, 16475), (647, 16484), (656, 16502), (659, 16508), (671, 16538), (755, 16643), (761, 16652), (764, 16655), (777, 16676), (785, 16691), (810, 16757), (813, 16769), (844, 16868), (851, 16889), (862, 16922), (877, 16952), (886, 16982), (889, 16991), (891, 16997), (905, 17012), (906, 17015), (916, 17039), (935, 17069), (940, 17081), (947, 17111), (959, 17153),

Gene: Alatin_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for Alatin_23:

(Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (261, 16526), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (478, 16904), (481, 16910), (486, 16925), (487, 16928), (507, 16976), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: Albee_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Albee_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Alberto7_28 Start: 20129, Stop: 21907, Start Num: 145

Candidate Starts for Alberto7_28:

(Start: 128 @20105 has 10 MA's), (Start: 145 @20129 has 749 MA's), (Start: 191 @20186 has 1 MA's), (Start: 220 @20240 has 45 MA's), (233, 20255), (240, 20273), (297, 20357), (303, 20369), (304, 20372), (349, 20447), (361, 20462), (381, 20501), (434, 20618), (470, 20705), (504, 20786), (521, 20834), (528, 20858), (560, 20945), (587, 20990), (617, 21062), (623, 21083), (629, 21101), (675, 21182), (708, 21275), (710, 21284), (717, 21308), (720, 21314), (731, 21338), (779, 21392), (791, 21413), (808, 21464), (815, 21488), (833, 21542), (865, 21638), (905, 21743), (909, 21758), (954, 21866), (959, 21884),

Gene: Aleemily_19 Start: 16551, Stop: 18215, Start Num: 157

Candidate Starts for Aleemily_19:

(Start: 143 @16536 has 53 MA's), (Start: 157 @16551 has 12 MA's), (Start: 162 @16557 has 3 MA's), (178, 16587), (185, 16596), (329, 16830), (349, 16863), (377, 16911), (419, 16986), (433, 17031), (470, 17121), (481, 17136), (500, 17190), (504, 17199), (516, 17232), (525, 17265), (528, 17271), (647, 17505), (657, 17517), (674, 17544), (685, 17577), (698, 17616), (701, 17625), (729, 17697), (762, 17712), (779, 17736), (802, 17784), (840, 17871), (847, 17892), (871, 17958), (894, 18024), (912, 18072), (951, 18162),

Gene: Alexphander_18 Start: 15332, Stop: 17041, Start Num: 132

Candidate Starts for Alexphander_18:

(Start: 132 @15332 has 199 MA's), (198, 15419), (Start: 228 @15464 has 2 MA's), (237, 15488), (256, 15545), (277, 15593), (282, 15599), (290, 15617), (301, 15647), (349, 15752), (379, 15806), (383, 15812), (389, 15821), (404, 15842), (415, 15866), (425, 15902), (427, 15908), (438, 15941), (439, 15944), (442, 15953), (459, 15968), (467, 15974), (481, 15992), (486, 16007), (488, 16013), (493, 16031), (494, 16034), (501, 16049), (509, 16064), (510, 16070), (523, 16118), (530, 16130), (531, 16136), (586, 16196), (590, 16208), (606, 16244), (612, 16256), (644, 16331), (647, 16340), (656, 16358), (659, 16364), (671, 16394), (755, 16499), (764, 16511), (785, 16547), (813, 16625), (844, 16724), (851, 16745), (862, 16778), (877, 16808), (886, 16838), (889, 16847), (891, 16853), (905, 16868), (906, 16871), (916, 16895), (935, 16925), (940, 16937), (947, 16967), (959, 17009),

Gene: Ali17_31 Start: 28415, Stop: 30040, Start Num: 190

Candidate Starts for Ali17_31:

(Start: 190 @28415 has 16 MA's), (198, 28427), (214, 28460), (219, 28469), (227, 28481), (Start: 239 @28511 has 1 MA's), (289, 28628), (294, 28640), (326, 28715), (354, 28775), (371, 28805), (489, 29012), (500, 29042), (516, 29084), (517, 29087), (521, 29099), (537, 29147), (586, 29195), (616, 29267), (627, 29300), (628, 29303), (649, 29342), (668, 29381), (700, 29468), (701, 29471), (787, 29549), (824, 29654), (847, 29735), (867, 29789), (909, 29885), (959, 30014), (965, 30029),

Gene: AlishaPH_23 Start: 17147, Stop: 18913, Start Num: 145

Candidate Starts for AlishaPH_23:

(Start: 145 @17147 has 749 MA's), (Start: 170 @17177 has 1 MA's), (251, 17336), (261, 17369), (276, 17399), (291, 17432), (298, 17444), (338, 17534), (361, 17576), (404, 17648), (409, 17657), (422, 17696), (436, 17741), (443, 17762), (444, 17765), (482, 17819), (488, 17837), (504, 17879), (508, 17885), (516, 17912), (586, 18050), (593, 18068), (612, 18110), (619, 18128), (628, 18158), (647, 18185), (693, 18290), (797, 18449), (809, 18485), (820, 18515), (823, 18524), (845, 18599), (862, 18650), (950, 18845), (960, 18884), (961, 18887), (971, 18905),

Gene: Aliter_30 Start: 21674, Stop: 23467, Start Num: 143

Candidate Starts for Aliter_30:

(Start: 143 @21674 has 53 MA's), (Start: 145 @21677 has 749 MA's), (303, 21911), (304, 21914), (347, 21986), (349, 21989), (361, 22004), (381, 22043), (385, 22049), (434, 22160), (470, 22247), (504, 22328), (507, 22331), (582, 22517), (609, 22580), (617, 22604), (620, 22610), (629, 22643), (675, 22724), (717, 22850), (737, 22892), (739, 22895), (779, 22952), (795, 22985), (802, 23000), (832, 23099), (833, 23102), (836, 23114), (865, 23198), (890, 23264), (905, 23303), (907, 23309), (928, 23354), (950, 23411), (951, 23414),

Gene: Alkhayr_54 Start: 33189, Stop: 34925, Start Num: 118

Candidate Starts for Alkhayr_54:

(Start: 113 @33180 has 2 MA's), (Start: 118 @33189 has 26 MA's), (180, 33279), (244, 33396), (256, 33432), (265, 33453), (277, 33480), (282, 33486), (295, 33516), (303, 33540), (328, 33591), (404, 33729), (408, 33735), (424, 33786), (425, 33789), (431, 33807), (481, 33858), (488, 33879), (489, 33882), (509, 33930), (510, 33936), (523, 33984), (527, 33990), (530, 33996), (575, 34056), (586, 34080), (587, 34083), (606, 34128), (613, 34143), (616, 34152), (620, 34161), (636, 34206), (647, 34224), (665, 34257), (764, 34395), (777, 34416), (806, 34482), (814, 34512), (830, 34566), (844, 34608), (851, 34629), (858, 34650), (862, 34662), (872, 34683), (891, 34737), (938, 34815), (947, 34851), (953, 34872), (960, 34899),

Gene: Alma_30 Start: 21753, Stop: 23546, Start Num: 143

Candidate Starts for Alma_30:

(Start: 143 @21753 has 53 MA's), (Start: 145 @21756 has 749 MA's), (303, 21990), (304, 21993), (347, 22065), (349, 22068), (361, 22083), (381, 22122), (385, 22128), (434, 22239), (470, 22326), (504, 22407), (507, 22410), (523, 22470), (582, 22596), (609, 22659), (617, 22683), (620, 22689), (629, 22722), (675, 22803), (717, 22929), (737, 22971), (739, 22974), (779, 23031), (795, 23064), (802, 23079), (832, 23178), (833, 23181), (836, 23193), (865, 23277), (890, 23343), (905, 23382), (907, 23388), (928, 23433), (950, 23490), (951, 23493),

Gene: Alpacados_22 Start: 16285, Stop: 17910, Start Num: 173

Candidate Starts for Alpacados_22:

(Start: 162 @16270 has 3 MA's), (Start: 173 @16285 has 32 MA's), (210, 16354), (236, 16390), (349, 16576), (421, 16705), (434, 16747), (443, 16774), (450, 16798), (463, 16816), (481, 16846), (486, 16861), (507, 16912), (535, 16996), (609, 17113), (617, 17137), (674, 17251), (692, 17299), (701, 17329), (713, 17368), (717, 17380), (757, 17410), (802, 17488), (860, 17635), (870, 17659), (884, 17695), (900, 17734), (965, 17902),

Gene: AlpineSix_16 Start: 15041, Stop: 16750, Start Num: 132

Candidate Starts for AlpineSix_16:

(Start: 132 @15041 has 199 MA's), (198, 15128), (210, 15149), (Start: 228 @15173 has 2 MA's), (237, 15197), (244, 15218), (277, 15302), (282, 15308), (290, 15326), (301, 15356), (349, 15461), (379, 15515), (383, 15521), (395, 15539), (398, 15542), (404, 15551), (415, 15575), (438, 15650), (442, 15662), (459, 15677), (467, 15683), (481, 15701), (486, 15716), (488, 15722), (496, 15749), (501, 15758), (509, 15773), (510, 15779), (523, 15827), (530, 15839), (531, 15845), (586, 15905), (590, 15917), (606, 15953), (612, 15965), (620, 15986), (644, 16040), (647, 16049), (656, 16067), (659, 16073), (671, 16103), (755, 16208), (761, 16217), (764, 16220), (785, 16256), (803, 16295), (813, 16334), (851, 16454), (862, 16487), (877, 16517), (886, 16547), (889, 16556), (891, 16562), (905, 16577), (906, 16580), (914, 16601), (916, 16604), (938, 16640), (940, 16646), (947, 16676), (959, 16718),

Gene: Alsfro_31 Start: 21865, Stop: 23667, Start Num: 148

Candidate Starts for Alsfro_31:

(Start: 148 @21865 has 202 MA's), (Start: 166 @21886 has 28 MA's), (Start: 191 @21928 has 1 MA's), (215, 21973), (349, 22189), (376, 22234), (381, 22243), (425, 22333), (426, 22336), (434, 22360), (463, 22429), (507, 22531), (528, 22600), (612, 22789), (616, 22801), (617, 22804), (623, 22825), (674, 22921), (675, 22924), (677, 22930), (701, 22999), (708, 23017), (710, 23026), (720, 23056), (779, 23152), (795, 23185), (802, 23200), (845, 23341), (865, 23398), (907, 23509), (966, 23662),

Gene: Altman_29 Start: 21923, Stop: 23725, Start Num: 148

Candidate Starts for Altman_29:

(Start: 148 @21923 has 202 MA's), (Start: 166 @21944 has 28 MA's), (Start: 191 @21986 has 1 MA's), (215, 22031), (349, 22247), (376, 22292), (381, 22301), (407, 22340), (425, 22391), (426, 22394), (463, 22487), (507, 22589), (528, 22658), (616, 22859), (617, 22862), (623, 22883), (674, 22979), (675, 22982), (677, 22988), (701, 23057), (708, 23075), (710, 23084), (720, 23114), (779, 23210), (795, 23243), (802, 23258), (845, 23399), (865, 23456), (907, 23567),

Gene: AlumE_19 Start: 17776, Stop: 19374, Start Num: 268

Candidate Starts for AlumE_19:

(Start: 268 @17776 has 52 MA's), (418, 18034), (424, 18052), (425, 18055), (443, 18109), (472, 18184), (496, 18253), (499, 18262), (505, 18274), (509, 18286), (521, 18325), (529, 18352), (532, 18361), (534, 18364), (582, 18397), (605, 18454), (628, 18520), (683, 18631), (705, 18691), (745, 18793), (779, 18850), (813, 18940), (894, 19180), (932, 19258),

Gene: Alvin_28 Start: 21635, Stop: 23437, Start Num: 148

Candidate Starts for Alvin_28:

(Start: 148 @21635 has 202 MA's), (Start: 166 @21656 has 28 MA's), (Start: 191 @21698 has 1 MA's), (215, 21743), (349, 21959), (376, 22004), (381, 22013), (425, 22103), (426, 22106), (463, 22199), (507, 22301), (528, 22370), (612, 22559), (616, 22571), (617, 22574), (623, 22595), (674, 22691), (675, 22694), (677, 22700), (701, 22769), (708, 22787), (710, 22796), (720, 22826), (779, 22922), (795, 22955), (802, 22970), (845, 23111), (865, 23168), (907, 23279),

Gene: Amao_24 Start: 19034, Stop: 20629, Start Num: 197

Candidate Starts for Amao_24:

(Start: 137 @18950 has 84 MA's), (Start: 197 @19034 has 47 MA's), (Start: 239 @19112 has 1 MA's), (272, 19199), (282, 19214), (301, 19262), (315, 19301), (363, 19388), (380, 19421), (404, 19457), (417, 19487), (418, 19493), (441, 19562), (483, 19592), (487, 19604), (488, 19607), (510, 19664), (587, 19796), (589, 19802), (617, 19868), (620, 19874), (626, 19898), (647, 19946), (659, 19970), (665, 19979), (695, 20054), (761, 20105), (772, 20120), (833, 20282), (841, 20309), (851, 20339), (890, 20444), (938, 20522), (947, 20558), (950, 20567), (959, 20600), (965, 20615),

Gene: Amelie_19 Start: 16697, Stop: 18463, Start Num: 145

Candidate Starts for Amelie_19:

(Start: 145 @16697 has 749 MA's), (Start: 150 @16703 has 25 MA's), (Start: 170 @16727 has 1 MA's), (Start: 239 @16853 has 1 MA's), (244, 16868), (251, 16886), (276, 16949), (338, 17084), (341, 17090), (404, 17198), (409, 17207), (443, 17312), (486, 17381), (488, 17387), (501, 17423), (508, 17435), (527, 17498), (586, 17600), (593, 17618), (612, 17660), (613, 17663), (666, 17768), (693, 17840), (758, 17948), (763, 17954), (797, 17999), (814, 18053), (823, 18074), (845, 18149), (862, 18200), (909, 18299), (917, 18314), (938, 18350), (950, 18395), (960, 18434), (961, 18437), (971, 18455),

Gene: AmericanBeauty_27 Start: 19817, Stop: 21412, Start Num: 197

Candidate Starts for AmericanBeauty_27:

(Start: 137 @19733 has 84 MA's), (Start: 197 @19817 has 47 MA's), (Start: 239 @19895 has 1 MA's), (272, 19982), (282, 19997), (301, 20045), (315, 20084), (363, 20171), (380, 20204), (404, 20240), (417, 20270), (418, 20276), (441, 20345), (483, 20375), (487, 20387), (488, 20390), (510, 20447), (587, 20579), (589, 20585), (617, 20651), (620, 20657), (626, 20681), (647, 20729), (659, 20753), (665, 20762), (695, 20837), (761, 20888), (772, 20903), (833, 21065), (841, 21092), (851, 21122), (890, 21227), (938, 21305), (947, 21341), (950, 21350), (959, 21383), (965, 21398),

Gene: Amgine_21 Start: 17216, Stop: 19009, Start Num: 121

Candidate Starts for Amgine_21:

(Start: 121 @17216 has 1 MA's), (Start: 138 @17246 has 25 MA's), (Start: 143 @17252 has 53 MA's), (Start: 145 @17255 has 749 MA's), (Start: 166 @17267 has 28 MA's), (Start: 170 @17273 has 1 MA's), (Start: 239 @17399 has 1 MA's), (244, 17414), (261, 17465), (276, 17495), (291, 17528), (338, 17630), (361, 17672), (404, 17744), (409, 17753), (464, 17897), (465, 17900), (482, 17915), (486, 17927), (488, 17933), (493, 17951), (504, 17975), (508, 17981), (516, 18008), (527, 18044), (593, 18164), (647, 18281), (666, 18314), (669, 18326), (675, 18338), (693, 18386), (808, 18578), (820, 18611), (823, 18620), (841, 18683), (845, 18695), (862, 18746), (865, 18752), (909, 18845), (938, 18896), (950, 18941), (960, 18980), (961, 18983), (971, 19001),

Gene: Aminay_21 Start: 17435, Stop: 19210, Start Num: 145

Candidate Starts for Aminay_21:

(12, 16757), (14, 16769), (32, 16964), (Start: 145 @17435 has 749 MA's), (Start: 239 @17579 has 1 MA's), (244, 17594), (261, 17645), (276, 17675), (298, 17720), (341, 17816), (395, 17912), (404, 17924), (437, 18020), (488, 18113), (493, 18131), (508, 18161), (520, 18200), (535, 18242), (586, 18326), (613, 18389), (623, 18422), (640, 18461), (693, 18590), (750, 18680), (754, 18689), (797, 18746), (808, 18779), (814, 18800), (820, 18812), (845, 18896), (862, 18947), (865, 18953), (914,

19055), (947, 19133), (953, 19154), (960, 19181), (971, 19202),

Gene: Amochick_22 Start: 17409, Stop: 19151, Start Num: 143

Candidate Starts for Amochick_22:

(Start: 143 @17409 has 53 MA's), (Start: 150 @17418 has 25 MA's), (178, 17460), (210, 17511), (226, 17535), (231, 17547), (Start: 239 @17568 has 1 MA's), (244, 17583), (251, 17601), (263, 17634), (273, 17661), (304, 17733), (345, 17823), (393, 17907), (400, 17916), (410, 17937), (432, 18003), (442, 18030), (462, 18063), (482, 18081), (489, 18102), (493, 18117), (494, 18120), (520, 18186), (521, 18189), (542, 18255), (553, 18267), (564, 18276), (575, 18279), (613, 18366), (631, 18420), (660, 18465), (665, 18471), (692, 18543), (701, 18573), (710, 18600), (750, 18636), (754, 18645), (808, 18723), (855, 18867), (860, 18885), (865, 18897), (873, 18912), (875, 18915), (882, 18936), (886, 18948), (914, 18996), (934, 19029), (956, 19104), (960, 19122), (971, 19143),

Gene: Amohnition_22 Start: 17620, Stop: 19395, Start Num: 138

Candidate Starts for Amohnition_22:

(Start: 121 @17590 has 1 MA's), (Start: 138 @17620 has 25 MA's), (Start: 145 @17629 has 749 MA's), (Start: 170 @17659 has 1 MA's), (Start: 239 @17785 has 1 MA's), (244, 17800), (251, 17818), (261, 17851), (291, 17914), (298, 17926), (304, 17944), (338, 18016), (357, 18052), (361, 18058), (409, 18139), (439, 18232), (443, 18244), (444, 18247), (464, 18283), (488, 18319), (504, 18361), (508, 18367), (516, 18394), (593, 18550), (628, 18640), (647, 18667), (669, 18712), (693, 18772), (742, 18847), (754, 18871), (797, 18931), (809, 18967), (820, 18997), (845, 19081), (914, 19240), (960, 19366), (961, 19369), (971, 19387),

Gene: Amok_17 Start: 15034, Stop: 16728, Start Num: 145

Candidate Starts for Amok_17:

(Start: 135 @15031 has 8 MA's), (Start: 145 @15034 has 749 MA's), (213, 15133), (Start: 220 @15145 has 45 MA's), (333, 15340), (379, 15415), (434, 15535), (442, 15559), (463, 15604), (481, 15637), (485, 15649), (492, 15673), (516, 15742), (520, 15754), (606, 15919), (632, 15991), (675, 16069), (680, 16084), (689, 16102), (708, 16159), (802, 16300), (804, 16306), (807, 16318), (818, 16327), (844, 16399), (845, 16402), (847, 16408), (851, 16420), (890, 16525), (893, 16534), (907, 16567), (965, 16720),

Gene: Amymech_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for Amymech_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: Anaya_24 Start: 17173, Stop: 18939, Start Num: 145

Candidate Starts for Anaya_24:

(Start: 145 @17173 has 749 MA's), (Start: 170 @17203 has 1 MA's), (251, 17362), (261, 17395), (276, 17425), (291, 17458), (298, 17470), (338, 17560), (361, 17602), (404, 17674), (409, 17683), (422, 17722), (436, 17767), (443, 17788), (444, 17791), (488, 17863), (504, 17905), (508, 17911), (516, 17938), (586, 18076), (593, 18094), (612, 18136), (619, 18154), (628, 18184), (693, 18316), (809, 18511), (820, 18541), (823, 18550), (845, 18625), (862, 18676), (865, 18682), (938, 18826), (950, 18871), (960, 18910), (961, 18913), (971, 18931),

Gene: Anaysia_30 Start: 19096, Stop: 20883, Start Num: 145

Candidate Starts for Anaysia_30:

(103, 19030), (Start: 128 @19072 has 10 MA's), (Start: 145 @19096 has 749 MA's), (240, 19234), (259, 19291), (304, 19333), (328, 19369), (349, 19408), (391, 19477), (407, 19501), (426, 19555), (488, 19705), (507, 19750), (516, 19780), (527, 19816), (543, 19867), (559, 19903), (587, 19951), (613, 20011), (674, 20140), (701, 20218), (802, 20419), (804, 20425), (833, 20521), (892, 20686), (938, 20785),

Gene: AndPeggy_17 Start: 15394, Stop: 17094, Start Num: 135

Candidate Starts for AndPeggy_17:

(Start: 135 @15394 has 8 MA's), (Start: 145 @15397 has 749 MA's), (213, 15499), (Start: 220 @15511 has 45 MA's), (263, 15607), (328, 15691), (379, 15781), (415, 15841), (423, 15868), (433, 15898), (434, 15901), (463, 15970), (481, 16003), (485, 16015), (486, 16018), (492, 16039), (493, 16042), (516, 16108), (520, 16120), (606, 16285), (675, 16435), (680, 16450), (689, 16468), (708, 16525), (802, 16666), (804, 16672), (807, 16684), (818, 16693), (844, 16765), (845, 16768), (847, 16774), (851, 16786), (890, 16891), (893, 16900), (907, 16933),

Gene: Andies_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Andies_18:

(Start: 134 @14986 has 40 MA's), (161, 15013), (Start: 228 @15118 has 2 MA's), (232, 15130), (245, 15166), (263, 15217), (277, 15247), (282, 15253), (294, 15280), (296, 15286), (349, 15406), (379, 15460), (383, 15466), (395, 15484), (404, 15496), (406, 15499), (415, 15520), (427, 15562), (438, 15595), (481, 15646), (486, 15661), (501, 15703), (509, 15718), (510, 15724), (523, 15772), (535, 15796), (554, 15826), (586, 15850), (616, 15922), (636, 15976), (644, 15985), (670, 16045), (671, 16048), (755, 16153), (761, 16162), (785, 16201), (832, 16339), (885, 16489), (886, 16492), (889, 16501), (905, 16522), (916, 16549), (938, 16585), (965, 16678),

Gene: Aneem_28 Start: 20755, Stop: 22554, Start Num: 145

Candidate Starts for Aneem_28:

(103, 20689), (Start: 128 @20731 has 10 MA's), (Start: 145 @20755 has 749 MA's), (185, 20797), (240, 20893), (246, 20908), (303, 20989), (304, 20992), (349, 21067), (361, 21082), (381, 21121), (385, 21127), (415, 21178), (434, 21238), (436, 21244), (470, 21325), (507, 21409), (551, 21535), (558, 21553), (574, 21580), (629, 21721), (668, 21787), (674, 21799), (675, 21802), (749, 21991), (765, 22018), (773, 22027), (783, 22048), (785, 22051), (795, 22072), (802, 22087), (808, 22111), (832, 22186), (836, 22201), (865, 22285), (905, 22390), (907, 22396), (935, 22450), (966, 22549),

Gene: Angel_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Angel_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Angelica_23 Start: 17122, Stop: 18888, Start Num: 145

Candidate Starts for Angelica_23:

(Start: 145 @17122 has 749 MA's), (Start: 170 @17152 has 1 MA's), (251, 17311), (261, 17344), (276, 17374), (291, 17407), (298, 17419), (338, 17509), (361, 17551), (404, 17623), (409, 17632), (422, 17671), (436, 17716), (443, 17737), (444, 17740), (482, 17794), (488, 17812), (504, 17854), (508, 17860), (516, 17887), (586, 18025), (593, 18043), (612, 18085), (619, 18103), (628, 18133), (647, 18160), (693, 18265), (797, 18424), (809, 18460), (820, 18490), (823, 18499), (845, 18574), (862, 18625), (950, 18820), (960, 18859), (961, 18862), (971, 18880),

Gene: Angelicage_33 Start: 31069, Stop: 32832, Start Num: 107

Candidate Starts for Angelicage_33:

(100, 31051), (Start: 107 @31069 has 72 MA's), (Start: 126 @31105 has 1 MA's), (216, 31243), (235, 31267), (259, 31339), (265, 31348), (349, 31468), (376, 31513), (385, 31528), (397, 31546), (425, 31609), (440, 31654), (443, 31663), (487, 31753), (495, 31783), (503, 31798), (506, 31807), (510, 31822), (520, 31852), (629, 32074), (644, 32092), (649, 32107), (668, 32137), (674, 32149), (675, 32152), (686, 32179), (845, 32503), (846, 32506), (862, 32554), (875, 32581), (884, 32608), (905, 32662), (912, 32686), (913, 32689), (951, 32779), (966, 32827),

Gene: Angelique_20 Start: 17710, Stop: 19410, Start Num: 145

Candidate Starts for Angelique_20:

(Start: 129 @17686 has 45 MA's), (Start: 145 @17710 has 749 MA's), (186, 17752), (216, 17809), (242, 17851), (349, 18040), (423, 18187), (425, 18193), (487, 18337), (489, 18343), (500, 18376), (525, 18451), (674, 18733), (708, 18829), (787, 18952), (802, 18985), (804, 18991), (835, 19057), (845, 19087), (905, 19243), (907, 19249), (957, 19378),

Gene: Anglerfish_28 Start: 21836, Stop: 23638, Start Num: 148

Candidate Starts for Anglerfish_28:

(Start: 148 @21836 has 202 MA's), (Start: 166 @21857 has 28 MA's), (Start: 191 @21899 has 1 MA's), (215, 21944), (349, 22160), (376, 22205), (381, 22214), (425, 22304), (426, 22307), (463, 22400), (507, 22502), (528, 22571), (616, 22772), (617, 22775), (623, 22796), (674, 22892), (675, 22895), (677, 22901), (701, 22970), (708, 22988), (710, 22997), (720, 23027), (779, 23123), (795, 23156), (802, 23171), (845, 23312), (865, 23369), (907, 23480), (966, 23633),

Gene: AngryOrchard_22 Start: 16268, Stop: 17893, Start Num: 173

Candidate Starts for AngryOrchard_22:

(Start: 162 @16253 has 3 MA's), (Start: 173 @16268 has 32 MA's), (210, 16337), (236, 16373), (323, 16514), (349, 16559), (421, 16688), (434, 16730), (440, 16748), (443, 16757), (450, 16781), (463, 16799), (481, 16829), (486, 16844), (487, 16847), (501, 16886), (507, 16895), (609, 17096), (674, 17234), (701, 17312), (713, 17351), (717, 17363), (757, 17393), (802, 17471), (860, 17618), (900, 17717), (905, 17732), (965, 17885),

Gene: AnnaL29_31 Start: 22021, Stop: 23793, Start Num: 145

Candidate Starts for AnnaL29_31:

(Start: 128 @21997 has 10 MA's), (Start: 145 @22021 has 749 MA's), (256, 22204), (303, 22255), (304, 22258), (347, 22330), (349, 22333), (381, 22387), (385, 22393), (407, 22426), (434, 22504), (436, 22510), (440, 22522), (470, 22591), (501, 22666), (504, 22672), (507, 22675), (520, 22717), (583, 22864), (616, 22945), (617, 22948), (629, 22987), (668, 23053), (675, 23068), (720, 23200), (757, 23248), (791, 23299), (795, 23311), (802, 23326), (804, 23332), (821, 23386), (836, 23440), (865, 23524), (890, 23590), (905, 23629), (907, 23635),

Gene: Annalisa_20 Start: 17346, Stop: 18926, Start Num: 268

Candidate Starts for Annalisa_20:

(217, 17229), (Start: 268 @17346 has 52 MA's), (418, 17604), (425, 17625), (443, 17679), (459, 17718), (482, 17775), (489, 17796), (582, 17967), (588, 17985), (601, 18009), (608, 18030), (628, 18072), (671, 18153), (705, 18243), (745, 18345), (748, 18348), (779, 18402), (874, 18672), (913, 18771), (918, 18780), (932, 18810),

Gene: Annihilator_18 Start: 16640, Stop: 18394, Start Num: 164

Candidate Starts for Annihilator_18:

(Start: 138 @16631 has 25 MA's), (Start: 164 @16640 has 42 MA's), (Start: 168 @16646 has 2 MA's), (172, 16652), (244, 16784), (261, 16835), (276, 16865), (Start: 288 @16889 has 1 MA's), (335,

16991), (353, 17030), (357, 17036), (365, 17051), (392, 17096), (439, 17216), (466, 17273), (488, 17312), (508, 17360), (516, 17387), (520, 17399), (548, 17480), (586, 17525), (675, 17723), (687, 17753), (693, 17771), (701, 17798), (760, 17882), (778, 17900), (792, 17915), (808, 17963), (812, 17978), (833, 18041), (851, 18098), (865, 18137), (882, 18179), (909, 18230), (950, 18326), (971, 18386),

Gene: Annyong_27 Start: 19828, Stop: 21606, Start Num: 145

Candidate Starts for Annyong_27:

(Start: 128 @19804 has 10 MA's), (Start: 145 @19828 has 749 MA's), (Start: 191 @19885 has 1 MA's), (Start: 220 @19939 has 45 MA's), (233, 19954), (240, 19972), (297, 20056), (303, 20068), (304, 20071), (349, 20146), (361, 20161), (381, 20200), (434, 20317), (470, 20404), (504, 20485), (521, 20533), (528, 20557), (560, 20644), (587, 20689), (617, 20761), (623, 20782), (629, 20800), (675, 20881), (708, 20974), (710, 20983), (717, 21007), (720, 21013), (731, 21037), (779, 21091), (791, 21112), (808, 21163), (815, 21187), (833, 21241), (865, 21337), (905, 21442), (909, 21457), (954, 21565), (959, 21583),

Gene: Anon_28 Start: 19727, Stop: 21511, Start Num: 145

Candidate Starts for Anon_28:

(Start: 128 @19703 has 10 MA's), (Start: 145 @19727 has 749 MA's), (204, 19802), (233, 19847), (240, 19865), (304, 19964), (323, 19994), (328, 20000), (349, 20039), (361, 20054), (391, 20108), (407, 20132), (426, 20186), (436, 20216), (476, 20303), (488, 20336), (504, 20378), (507, 20381), (527, 20447), (543, 20498), (587, 20582), (674, 20771), (675, 20774), (696, 20837), (710, 20876), (729, 20921), (779, 21002), (795, 21035), (804, 21056), (822, 21113), (833, 21149), (865, 21242), (909, 21362), (950, 21455),

Gene: Anselm_28 Start: 20293, Stop: 22065, Start Num: 145

Candidate Starts for Anselm_28:

(Start: 128 @20269 has 10 MA's), (Start: 145 @20293 has 749 MA's), (216, 20392), (303, 20527), (304, 20530), (347, 20602), (349, 20605), (381, 20659), (407, 20698), (423, 20743), (434, 20776), (470, 20863), (504, 20944), (507, 20947), (617, 21220), (675, 21340), (717, 21466), (757, 21520), (765, 21529), (779, 21550), (795, 21583), (802, 21598), (804, 21604), (821, 21658), (832, 21697), (836, 21712), (865, 21796), (907, 21907), (959, 22042),

Gene: Anthony_27 Start: 18675, Stop: 20474, Start Num: 145

Candidate Starts for Anthony_27:

(103, 18609), (Start: 128 @18651 has 10 MA's), (Start: 145 @18675 has 749 MA's), (Start: 166 @18684 has 28 MA's), (216, 18774), (240, 18813), (303, 18909), (304, 18912), (347, 18984), (349, 18987), (381, 19041), (385, 19047), (434, 19158), (470, 19245), (504, 19326), (507, 19329), (560, 19485), (582, 19515), (629, 19641), (675, 19722), (717, 19848), (777, 19956), (779, 19959), (802, 20007), (821, 20067), (832, 20106), (836, 20121), (865, 20205), (905, 20310), (907, 20316), (912, 20334), (935, 20370), (959, 20451),

Gene: Antonio_19 Start: 17773, Stop: 19371, Start Num: 268

Candidate Starts for Antonio_19:

(Start: 268 @17773 has 52 MA's), (414, 18022), (418, 18031), (424, 18049), (425, 18052), (443, 18106), (472, 18181), (496, 18250), (499, 18259), (505, 18271), (521, 18322), (529, 18349), (532, 18358), (534, 18361), (581, 18391), (582, 18394), (605, 18451), (628, 18517), (670, 18595), (683, 18628), (694, 18652), (705, 18688), (745, 18790), (779, 18847), (800, 18892), (803, 18898), (813, 18937), (894, 19177), (932, 19255),

Gene: Antsirabe_18 Start: 16985, Stop: 18709, Start Num: 164

Candidate Starts for Antsirabe_18:

(Start: 164 @16985 has 42 MA's), (240, 17105), (276, 17198), (335, 17324), (341, 17339), (357, 17369), (361, 17375), (365, 17384), (392, 17429), (439, 17549), (488, 17645), (504, 17687), (508, 17693), (520, 17732), (531, 17768), (548, 17813), (675, 18050), (693, 18098), (701, 18125), (735, 18161), (840, 18380), (851, 18413), (882, 18494), (950, 18641), (963, 18686),

Gene: Anubis_31 Start: 20265, Stop: 22061, Start Num: 145

Candidate Starts for Anubis_31:

(Start: 145 @20265 has 749 MA's), (Start: 191 @20322 has 1 MA's), (199, 20337), (216, 20370), (233, 20391), (Start: 239 @20406 has 1 MA's), (297, 20493), (303, 20505), (304, 20508), (349, 20583), (361, 20598), (379, 20634), (470, 20841), (516, 20955), (528, 20994), (560, 21081), (616, 21195), (623, 21219), (629, 21237), (675, 21318), (701, 21393), (708, 21411), (717, 21444), (720, 21450), (739, 21489), (777, 21543), (779, 21546), (791, 21567), (810, 21624), (865, 21792), (905, 21897), (907, 21903), (959, 22038),

Gene: Aphelion_48 Start: 29609, Stop: 31300, Start Num: 154

Candidate Starts for Aphelion_48:

(Start: 154 @29609 has 21 MA's), (Start: 193 @29669 has 1 MA's), (208, 29702), (229, 29735), (276, 29861), (291, 29894), (295, 29903), (351, 30032), (378, 30080), (510, 30293), (511, 30299), (520, 30323), (600, 30452), (606, 30473), (620, 30506), (695, 30704), (810, 30857), (841, 30956), (845, 30968), (848, 30977), (880, 31061), (948, 31208), (958, 31244), (961, 31256),

Gene: Apiary_45 Start: 31353, Stop: 32927, Start Num: 264

Candidate Starts for Apiary_45:

(Start: 264 @31353 has 7 MA's), (Start: 269 @31362 has 31 MA's), (302, 31416), (311, 31440), (322, 31443), (455, 31713), (484, 31776), (489, 31791), (535, 31908), (539, 31923), (572, 31980), (578, 31989), (594, 32031), (604, 32052), (615, 32082), (635, 32139), (677, 32214), (691, 32253), (711, 32310), (756, 32415), (757, 32418), (774, 32445), (814, 32523), (827, 32562), (884, 32718), (922, 32784),

Gene: Apocalypse_23 Start: 17125, Stop: 18891, Start Num: 145

Candidate Starts for Apocalypse_23:

(Start: 145 @17125 has 749 MA's), (Start: 170 @17155 has 1 MA's), (251, 17314), (261, 17347), (276, 17377), (291, 17410), (298, 17422), (338, 17512), (361, 17554), (404, 17626), (409, 17635), (422, 17674), (436, 17719), (443, 17740), (444, 17743), (482, 17797), (488, 17815), (504, 17857), (508, 17863), (516, 17890), (586, 18028), (593, 18046), (612, 18088), (619, 18106), (628, 18136), (647, 18163), (693, 18268), (797, 18427), (809, 18463), (820, 18493), (823, 18502), (845, 18577), (862, 18628), (950, 18823), (960, 18862), (961, 18865), (971, 18883),

Gene: AppleCloud_21 Start: 16314, Stop: 17939, Start Num: 173

Candidate Starts for AppleCloud_21:

(Start: 162 @16299 has 3 MA's), (Start: 173 @16314 has 32 MA's), (198, 16356), (210, 16383), (236, 16419), (323, 16560), (349, 16605), (421, 16734), (434, 16776), (440, 16794), (443, 16803), (450, 16827), (463, 16845), (481, 16875), (486, 16890), (487, 16893), (501, 16932), (507, 16941), (535, 17025), (582, 17079), (587, 17094), (609, 17142), (617, 17166), (674, 17280), (701, 17358), (713, 17397), (717, 17409), (721, 17418), (757, 17439), (802, 17517), (860, 17664), (900, 17763), (905, 17778), (965, 17931),

Gene: Applejack_27 Start: 21097, Stop: 22899, Start Num: 148

Candidate Starts for Applejack_27:

(Start: 148 @21097 has 202 MA's), (Start: 166 @21118 has 28 MA's), (Start: 191 @21160 has 1 MA's), (215, 21205), (349, 21421), (376, 21466), (381, 21475), (407, 21514), (425, 21565), (426, 21568), (507, 21763), (528, 21832), (616, 22033), (617, 22036), (623, 22057), (674, 22153), (675, 22156), (677, 22162), (701, 22231), (708, 22249), (710, 22258), (720, 22288), (779, 22384), (795,

22417), (802, 22432), (845, 22573), (865, 22630), (907, 22741),

Gene: Appletree2_18 Start: 16636, Stop: 18468, Start Num: 98

Candidate Starts for Appletree2_18:

(Start: 98 @16636 has 1 MA's), (106, 16657), (Start: 114 @16672 has 2 MA's), (Start: 130 @16699 has 38 MA's), (194, 16792), (Start: 220 @16840 has 45 MA's), (225, 16846), (245, 16873), (248, 16882), (274, 16954), (281, 16963), (301, 16987), (306, 17002), (323, 17032), (397, 17158), (403, 17167), (413, 17188), (418, 17203), (440, 17272), (451, 17308), (467, 17329), (494, 17398), (510, 17437), (583, 17575), (587, 17587), (616, 17662), (619, 17668), (623, 17686), (638, 17725), (657, 17758), (661, 17767), (669, 17776), (674, 17785), (716, 17908), (732, 17944), (787, 17992), (794, 18004), (824, 18058), (854, 18154), (859, 18172), (861, 18178), (862, 18181), (879, 18214), (886, 18238), (912, 18301), (932, 18343), (944, 18382), (950, 18400), (956, 18421), (961, 18442),

Gene: Apricot_19 Start: 15970, Stop: 17667, Start Num: 145

Candidate Starts for Apricot_19:

(Start: 121 @15931 has 1 MA's), (Start: 145 @15970 has 749 MA's), (Start: 156 @15982 has 4 MA's), (158, 15985), (182, 16021), (205, 16060), (216, 16081), (241, 16123), (244, 16129), (245, 16132), (250, 16144), (261, 16180), (303, 16216), (329, 16273), (360, 16321), (375, 16348), (425, 16450), (438, 16489), (463, 16546), (469, 16564), (478, 16573), (481, 16579), (495, 16627), (508, 16657), (519, 16693), (521, 16699), (527, 16720), (528, 16723), (549, 16774), (583, 16801), (584, 16804), (594, 16831), (606, 16858), (632, 16930), (655, 16969), (687, 17023), (710, 17095), (730, 17140), (796, 17230), (804, 17248), (841, 17332), (844, 17341), (845, 17344), (847, 17350), (853, 17365), (863, 17395), (866, 17401), (875, 17422), (877, 17425), (894, 17479), (907, 17509), (909, 17518), (937, 17569), (947, 17602), (951, 17614), (956, 17632),

Gene: Aragog_24 Start: 19764, Stop: 21563, Start Num: 145

Candidate Starts for Aragog_24:

(Start: 145 @19764 has 749 MA's), (Start: 220 @19869 has 45 MA's), (240, 19902), (304, 20001), (349, 20076), (361, 20091), (379, 20127), (419, 20199), (423, 20214), (434, 20247), (436, 20253), (523, 20478), (527, 20484), (560, 20574), (613, 20679), (616, 20688), (629, 20730), (637, 20748), (674, 20808), (675, 20811), (701, 20886), (708, 20904), (777, 21045), (795, 21081), (865, 21294), (904, 21396), (907, 21405), (953, 21519), (959, 21540), (961, 21549),

Gene: Arcanine_28 Start: 20852, Stop: 22654, Start Num: 148

Candidate Starts for Arcanine_28:

(Start: 148 @20852 has 202 MA's), (Start: 166 @20873 has 28 MA's), (Start: 191 @20915 has 1 MA's), (215, 20960), (349, 21176), (376, 21221), (381, 21230), (425, 21320), (426, 21323), (463, 21416), (507, 21518), (528, 21587), (612, 21776), (616, 21788), (617, 21791), (623, 21812), (674, 21908), (675, 21911), (677, 21917), (701, 21986), (708, 22004), (710, 22013), (720, 22043), (779, 22139), (795, 22172), (802, 22187), (845, 22328), (865, 22385), (907, 22496),

Gene: ArcherNM_30 Start: 21966, Stop: 23738, Start Num: 145

Candidate Starts for ArcherNM_30:

(103, 21900), (Start: 128 @21942 has 10 MA's), (Start: 145 @21966 has 749 MA's), (256, 22149), (303, 22200), (304, 22203), (347, 22275), (349, 22278), (381, 22332), (385, 22338), (407, 22371), (434, 22449), (436, 22455), (440, 22467), (470, 22536), (501, 22611), (504, 22617), (507, 22620), (582, 22806), (616, 22890), (617, 22893), (629, 22932), (657, 22983), (668, 22998), (675, 23013), (717, 23139), (720, 23145), (757, 23193), (791, 23244), (795, 23256), (802, 23271), (804, 23277), (821, 23331), (836, 23385), (865, 23469), (890, 23535), (905, 23574), (907, 23580),

Gene: Archetta_24 Start: 19557, Stop: 21356, Start Num: 145

Candidate Starts for Archetta_24:

(Start: 145 @19557 has 749 MA's), (240, 19695), (304, 19794), (349, 19869), (379, 19920), (419, 19992), (423, 20007), (434, 20040), (436, 20046), (478, 20139), (516, 20241), (523, 20271), (527, 20277), (560, 20367), (582, 20397), (612, 20469), (616, 20481), (617, 20484), (629, 20523), (637, 20541), (674, 20601), (675, 20604), (694, 20655), (708, 20697), (777, 20838), (798, 20880), (907, 21198), (959, 21333),

Gene: Archie_18 Start: 17205, Stop: 18938, Start Num: 165

Candidate Starts for Archie_18:

(Start: 165 @17205 has 28 MA's), (205, 17274), (274, 17415), (276, 17418), (306, 17463), (326, 17496), (329, 17505), (350, 17541), (379, 17595), (397, 17622), (405, 17634), (423, 17685), (425, 17691), (436, 17724), (500, 17877), (510, 17901), (512, 17910), (527, 17955), (547, 18006), (583, 18048), (626, 18168), (657, 18231), (674, 18258), (691, 18303), (703, 18339), (773, 18438), (783, 18459), (787, 18465), (794, 18477), (826, 18540), (854, 18627), (862, 18654), (890, 18723), (897, 18738), (912, 18774), (944, 18852), (950, 18870),

Gene: Archimedes_16 Start: 14567, Stop: 16171, Start Num: 220

Candidate Starts for Archimedes_16:

(Start: 220 @14567 has 45 MA's), (255, 14654), (298, 14759), (322, 14822), (327, 14828), (337, 14852), (396, 14960), (424, 15029), (510, 15212), (513, 15224), (531, 15278), (617, 15422), (620, 15428), (653, 15494), (664, 15512), (710, 15638), (747, 15668), (809, 15749), (810, 15752), (844, 15860), (847, 15869), (858, 15902), (927, 16049),

Gene: Archis_20 Start: 16861, Stop: 18507, Start Num: 220

Candidate Starts for Archis_20:

(196, 16825), (Start: 220 @16861 has 45 MA's), (261, 16963), (295, 17041), (296, 17044), (337, 17140), (355, 17179), (404, 17260), (423, 17314), (428, 17329), (510, 17500), (520, 17530), (620, 17713), (626, 17737), (627, 17740), (658, 17788), (695, 17881), (700, 17893), (738, 17938), (747, 17953), (809, 18085), (810, 18088), (841, 18187), (847, 18205), (865, 18256), (890, 18322), (927, 18385), (935, 18397),

Gene: ArcusAngelus_16 Start: 14845, Stop: 16554, Start Num: 132

Candidate Starts for ArcusAngelus_16:

(Start: 132 @14845 has 199 MA's), (198, 14932), (Start: 228 @14977 has 2 MA's), (237, 15001), (277, 15106), (282, 15112), (290, 15130), (301, 15160), (349, 15265), (383, 15325), (398, 15346), (404, 15355), (411, 15373), (415, 15379), (438, 15454), (442, 15466), (459, 15481), (467, 15487), (481, 15505), (486, 15520), (488, 15526), (494, 15547), (501, 15562), (503, 15565), (509, 15577), (510, 15583), (523, 15631), (530, 15643), (531, 15649), (586, 15709), (590, 15721), (606, 15757), (612, 15769), (613, 15772), (620, 15790), (644, 15844), (647, 15853), (656, 15871), (659, 15877), (755, 16012), (761, 16021), (764, 16024), (785, 16060), (803, 16099), (813, 16138), (844, 16237), (851, 16258), (862, 16291), (877, 16321), (886, 16351), (888, 16357), (889, 16360), (891, 16366), (905, 16381), (906, 16384), (916, 16408), (940, 16450), (959, 16522), (960, 16528),

Gene: Ardmore_16 Start: 14856, Stop: 16565, Start Num: 132

Candidate Starts for Ardmore_16:

(Start: 132 @14856 has 199 MA's), (198, 14943), (Start: 228 @14988 has 2 MA's), (237, 15012), (277, 15117), (282, 15123), (290, 15141), (301, 15171), (349, 15276), (383, 15336), (398, 15357), (404, 15366), (415, 15390), (438, 15465), (439, 15468), (481, 15516), (486, 15531), (488, 15537), (501, 15573), (503, 15576), (509, 15588), (510, 15594), (523, 15642), (530, 15654), (531, 15660), (586, 15720), (590, 15732), (606, 15768), (612, 15780), (644, 15855), (647, 15864), (656, 15882), (659, 15888), (671, 15918), (755, 16023), (761, 16032), (764, 16035), (785, 16071), (813, 16149), (844, 16248), (851, 16269), (862, 16302), (877, 16332), (886, 16362), (889, 16371), (891, 16377), (905, 16392), (906, 16395), (916, 16419), (935, 16449), (940, 16461), (947, 16491), (959, 16533),

Gene: Argent26_26 Start: 19736, Stop: 21415, Start Num: 137

Candidate Starts for Argent26_26:

(Start: 137 @19736 has 84 MA's), (Start: 197 @19820 has 47 MA's), (Start: 239 @19898 has 1 MA's), (272, 19985), (282, 20000), (301, 20048), (315, 20087), (363, 20174), (380, 20207), (404, 20243), (417, 20273), (418, 20279), (441, 20348), (483, 20378), (487, 20390), (488, 20393), (510, 20450), (587, 20582), (589, 20588), (617, 20654), (620, 20660), (626, 20684), (647, 20732), (659, 20756), (665, 20765), (695, 20840), (761, 20891), (772, 20906), (833, 21068), (841, 21095), (851, 21125), (890, 21230), (938, 21308), (947, 21344), (950, 21353), (959, 21386), (965, 21401),

Gene: Arianna_19 Start: 17425, Stop: 19089, Start Num: 148

Candidate Starts for Arianna_19:

(Start: 148 @17425 has 202 MA's), (174, 17458), (329, 17716), (376, 17794), (433, 17917), (436, 17926), (437, 17929), (440, 17938), (443, 17947), (507, 18088), (510, 18100), (527, 18154), (607, 18289), (621, 18322), (625, 18340), (629, 18352), (636, 18367), (674, 18427), (681, 18448), (685, 18457), (708, 18523), (717, 18556), (757, 18586), (762, 18592), (765, 18595), (802, 18664), (844, 18763), (847, 18772), (906, 18928), (909, 18940),

Gene: Arib1_19 Start: 16391, Stop: 18127, Start Num: 129

Candidate Starts for Arib1_19:

(Start: 129 @16391 has 45 MA's), (185, 16472), (Start: 187 @16475 has 15 MA's), (218, 16526), (247, 16589), (250, 16595), (263, 16634), (279, 16667), (291, 16691), (341, 16811), (347, 16826), (363, 16850), (365, 16856), (411, 16940), (425, 16982), (438, 17021), (441, 17027), (470, 17066), (481, 17072), (489, 17096), (510, 17150), (517, 17171), (537, 17231), (595, 17309), (612, 17348), (622, 17381), (647, 17447), (659, 17471), (669, 17495), (686, 17525), (691, 17537), (782, 17639), (830, 17777), (858, 17861), (898, 17960), (935, 18017), (950, 18068), (965, 18116),

Gene: Ariel_34 Start: 24674, Stop: 26407, Start Num: 133

Candidate Starts for Ariel_34:

(Start: 133 @24674 has 29 MA's), (Start: 197 @24764 has 47 MA's), (198, 24767), (237, 24842), (247, 24869), (272, 24935), (291, 24971), (302, 25001), (307, 25016), (345, 25100), (365, 25136), (380, 25163), (406, 25202), (418, 25235), (421, 25244), (439, 25301), (469, 25343), (507, 25418), (510, 25430), (530, 25490), (573, 25544), (587, 25574), (595, 25592), (601, 25601), (613, 25634), (617, 25646), (620, 25652), (632, 25691), (659, 25748), (772, 25898), (782, 25916), (802, 25958), (808, 25982), (809, 25985), (813, 26000), (824, 26030), (833, 26060), (851, 26117), (919, 26267), (961, 26387), (965, 26393),

Gene: Arissanae_28 Start: 19809, Stop: 21599, Start Num: 145

Candidate Starts for Arissanae_28:

(Start: 143 @19806 has 53 MA's), (Start: 145 @19809 has 749 MA's), (172, 19827), (204, 19884), (215, 19905), (247, 19965), (261, 20007), (303, 20043), (304, 20046), (349, 20121), (381, 20175), (385, 20181), (425, 20265), (434, 20292), (436, 20298), (470, 20379), (504, 20460), (507, 20463), (523, 20523), (528, 20532), (609, 20712), (617, 20736), (629, 20775), (675, 20856), (739, 21027), (779, 21084), (783, 21093), (795, 21117), (802, 21132), (808, 21156), (821, 21192), (832, 21231), (836, 21246), (865, 21330), (890, 21396), (905, 21435), (907, 21441), (928, 21486),

Gene: Arlo_26 Start: 20726, Stop: 22528, Start Num: 148

Candidate Starts for Arlo_26:

(Start: 148 @20726 has 202 MA's), (Start: 166 @20747 has 28 MA's), (Start: 191 @20789 has 1 MA's), (215, 20834), (349, 21050), (376, 21095), (381, 21104), (407, 21143), (425, 21194), (426, 21197), (463, 21290), (507, 21392), (528, 21461), (616, 21662), (617, 21665), (623, 21686), (674, 21782), (675, 21785), (677, 21791), (701, 21860), (708, 21878), (710, 21887), (720, 21917), (779, 22013), (795, 22046), (802, 22061), (845, 22202), (865, 22259), (907, 22370),

Gene: Aroostook_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Aroostook_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Arri_34 Start: 26557, Stop: 28323, Start Num: 107

Candidate Starts for Arri_34:

(90, 26515), (Start: 107 @26557 has 72 MA's), (Start: 126 @26593 has 1 MA's), (Start: 150 @26626 has 25 MA's), (263, 26836), (265, 26839), (303, 26869), (333, 26935), (349, 26959), (356, 26968), (375, 27001), (443, 27154), (463, 27193), (487, 27244), (491, 27256), (495, 27274), (501, 27286), (506, 27298), (510, 27313), (520, 27343), (521, 27346), (527, 27367), (583, 27439), (602, 27487), (649, 27598), (669, 27631), (686, 27670), (687, 27673), (710, 27745), (753, 27811), (759, 27823), (845, 27994), (846, 27997), (862, 28045), (875, 28072), (884, 28099), (905, 28153), (951, 28270), (957, 28291), (966, 28318),

Gene: Artemis2UCLA_31 Start: 19873, Stop: 21645, Start Num: 145

Candidate Starts for Artemis2UCLA_31:

(103, 19807), (Start: 128 @19849 has 10 MA's), (Start: 145 @19873 has 749 MA's), (304, 20110), (347, 20182), (349, 20185), (361, 20200), (381, 20239), (385, 20245), (434, 20356), (436, 20362), (448, 20401), (470, 20443), (488, 20482), (504, 20524), (507, 20527), (560, 20683), (624, 20824), (629, 20839), (720, 21052), (791, 21151), (802, 21178), (817, 21229), (821, 21238), (832, 21277), (836, 21292), (865, 21376), (905, 21481), (907, 21487), (959, 21622),

Gene: Arti_41 Start: 29812, Stop: 31425, Start Num: 260

Candidate Starts for Arti_41:

(Start: 260 @29812 has 35 MA's), (Start: 288 @29848 has 1 MA's), (295, 29866), (322, 29926), (443, 30166), (447, 30178), (452, 30193), (484, 30259), (489, 30274), (497, 30298), (498, 30301), (527, 30385), (538, 30415), (539, 30418), (572, 30475), (592, 30523), (594, 30526), (604, 30547), (643, 30652), (671, 30697), (688, 30739), (756, 30913), (774, 30943), (780, 30949), (826, 31057), (827, 31060), (851, 31135), (947, 31354), (964, 31411),

Gene: Arturo_26 Start: 19939, Stop: 21717, Start Num: 145

Candidate Starts for Arturo_26:

(Start: 128 @19915 has 10 MA's), (Start: 145 @19939 has 749 MA's), (Start: 191 @19996 has 1 MA's), (Start: 220 @20050 has 45 MA's), (233, 20065), (240, 20083), (297, 20167), (303, 20179), (304, 20182), (349, 20257), (361, 20272), (381, 20311), (434, 20428), (470, 20515), (504, 20596), (521, 20644), (528, 20668), (560, 20755), (587, 20800), (617, 20872), (623, 20893), (629, 20911), (675, 20992), (708, 21085), (710, 21094), (717, 21118), (720, 21124), (731, 21148), (779, 21202), (791, 21223), (808, 21274), (815, 21298), (833, 21352), (865, 21448), (905, 21553), (909, 21568), (954, 21676), (959, 21694),

Gene: Asapag_20 Start: 16428, Stop: 18125, Start Num: 145

Candidate Starts for Asapag_20:

(Start: 121 @16389 has 1 MA's), (Start: 145 @16428 has 749 MA's), (Start: 156 @16440 has 4 MA's), (205, 16518), (216, 16539), (244, 16587), (247, 16596), (261, 16638), (303, 16674), (329, 16731), (344, 16752), (360, 16779), (375, 16806), (438, 16947), (463, 17004), (478, 17031), (481, 17037), (495, 17085), (508, 17115), (519, 17151), (527, 17178), (528, 17181), (549, 17232), (583, 17259), (584, 17262), (594, 17289), (606, 17316), (632, 17388), (655, 17427), (687, 17481), (700, 17523),

(730, 17598), (783, 17661), (796, 17688), (804, 17706), (841, 17790), (844, 17799), (845, 17802), (847, 17808), (853, 17823), (863, 17853), (866, 17859), (875, 17880), (877, 17883), (894, 17937), (907, 17967), (909, 17976), (937, 18027), (947, 18060), (951, 18072), (956, 18090),

Gene: Asayake_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Asayake_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Ashballer_27 Start: 21575, Stop: 23377, Start Num: 148

Candidate Starts for Ashballer_27:

(Start: 148 @21575 has 202 MA's), (Start: 166 @21596 has 28 MA's), (Start: 191 @21638 has 1 MA's), (215, 21683), (349, 21899), (376, 21944), (381, 21953), (407, 21992), (425, 22043), (426, 22046), (507, 22241), (528, 22310), (616, 22511), (617, 22514), (623, 22535), (674, 22631), (675, 22634), (677, 22640), (701, 22709), (708, 22727), (710, 22736), (720, 22766), (779, 22862), (795, 22895), (802, 22910), (845, 23051), (865, 23108), (907, 23219),

Gene: Ashertheman_35 Start: 29935, Stop: 31698, Start Num: 107

Candidate Starts for Ashertheman_35:

(Start: 107 @29935 has 72 MA's), (Start: 126 @29971 has 1 MA's), (210, 30100), (216, 30109), (259, 30205), (265, 30214), (319, 30283), (349, 30334), (356, 30343), (376, 30379), (385, 30394), (397, 30412), (425, 30475), (440, 30520), (443, 30529), (493, 30640), (495, 30649), (503, 30664), (510, 30688), (520, 30718), (629, 30940), (644, 30958), (649, 30973), (674, 31015), (675, 31018), (686, 31045), (732, 31165), (845, 31369), (846, 31372), (862, 31420), (875, 31447), (884, 31474), (905, 31528), (913, 31555),

Gene: Ashwin_58 Start: 33959, Stop: 35695, Start Num: 118

Candidate Starts for Ashwin_58:

(Start: 113 @33950 has 2 MA's), (Start: 118 @33959 has 26 MA's), (180, 34049), (244, 34166), (256, 34202), (265, 34223), (277, 34250), (282, 34256), (295, 34286), (303, 34310), (328, 34361), (404, 34499), (408, 34505), (424, 34556), (425, 34559), (431, 34577), (481, 34628), (488, 34649), (489, 34652), (509, 34700), (510, 34706), (523, 34754), (527, 34760), (530, 34766), (575, 34826), (586, 34850), (587, 34853), (606, 34898), (613, 34913), (616, 34922), (620, 34931), (636, 34976), (647, 34994), (665, 35027), (764, 35165), (777, 35186), (806, 35252), (814, 35282), (830, 35336), (844, 35378), (851, 35399), (858, 35420), (862, 35432), (872, 35453), (891, 35507), (938, 35585), (947, 35621), (953, 35642), (960, 35669),

Gene: Asriel_23 Start: 18698, Stop: 20293, Start Num: 197

Candidate Starts for Asriel_23:

(Start: 137 @18614 has 84 MA's), (Start: 197 @18698 has 47 MA's), (Start: 239 @18776 has 1 MA's), (272, 18863), (282, 18878), (301, 18926), (315, 18965), (363, 19052), (367, 19064), (380, 19085), (404, 19121), (417, 19151), (418, 19157), (441, 19226), (483, 19256), (487, 19268), (488, 19271), (510, 19328), (587, 19460), (589, 19466), (617, 19532), (620, 19538), (626, 19562), (647, 19610), (659, 19634), (665, 19643), (695, 19718), (761, 19769), (772, 19784), (833, 19946), (841, 19973), (851, 20003), (890, 20108), (938, 20186), (947, 20222), (950, 20231), (959, 20264), (965, 20279),

Gene: Astro_24 Start: 18655, Stop: 20445, Start Num: 145

Candidate Starts for Astro_24:

(Start: 128 @18631 has 10 MA's), (Start: 145 @18655 has 749 MA's), (213, 18748), (240, 18793), (304, 18892), (328, 18928), (349, 18967), (361, 18982), (379, 19018), (434, 19138), (436, 19144), (488, 19264), (535, 19393), (560, 19465), (616, 19579), (708, 19795), (717, 19828), (779, 19930), (795, 19963), (802, 19978), (810, 20008), (904, 20278), (907, 20287), (909, 20296), (956, 20410),

Gene: Atcoo_19 Start: 16260, Stop: 17996, Start Num: 129

Candidate Starts for Atcoo_19:

(Start: 114 @16236 has 2 MA's), (Start: 129 @16260 has 45 MA's), (174, 16320), (185, 16341), (Start: 187 @16344 has 15 MA's), (250, 16464), (263, 16503), (279, 16536), (291, 16560), (341, 16680), (363, 16719), (365, 16725), (411, 16809), (415, 16815), (418, 16827), (425, 16851), (434, 16878), (441, 16896), (470, 16935), (481, 16941), (489, 16965), (510, 17019), (513, 17031), (517, 17040), (537, 17100), (595, 17178), (612, 17217), (622, 17250), (647, 17316), (654, 17331), (659, 17340), (669, 17364), (686, 17394), (691, 17406), (782, 17508), (788, 17520), (791, 17523), (794, 17529), (796, 17538), (830, 17646), (858, 17730), (898, 17829), (950, 17937), (965, 17985),

Gene: Atiba_23 Start: 17117, Stop: 18883, Start Num: 145

Candidate Starts for Atiba_23:

(Start: 145 @17117 has 749 MA's), (Start: 170 @17147 has 1 MA's), (251, 17306), (261, 17339), (276, 17369), (291, 17402), (298, 17414), (338, 17504), (361, 17546), (404, 17618), (409, 17627), (422, 17666), (436, 17711), (443, 17732), (444, 17735), (482, 17789), (488, 17807), (504, 17849), (508, 17855), (516, 17882), (586, 18020), (593, 18038), (612, 18080), (619, 18098), (628, 18128), (647, 18155), (693, 18260), (797, 18419), (809, 18455), (820, 18485), (823, 18494), (845, 18569), (862, 18620), (909, 18719), (950, 18815), (960, 18854), (961, 18857), (971, 18875),

Gene: Atkinbua_29 Start: 21550, Stop: 23352, Start Num: 148

Candidate Starts for Atkinbua_29:

(Start: 148 @21550 has 202 MA's), (Start: 166 @21571 has 28 MA's), (Start: 191 @21613 has 1 MA's), (215, 21658), (349, 21874), (376, 21919), (381, 21928), (407, 21967), (425, 22018), (426, 22021), (507, 22216), (528, 22285), (616, 22486), (617, 22489), (623, 22510), (674, 22606), (675, 22609), (677, 22615), (701, 22684), (708, 22702), (710, 22711), (720, 22741), (779, 22837), (795, 22870), (802, 22885), (845, 23026), (865, 23083), (907, 23194), (966, 23347),

Gene: Attis_17 Start: 14751, Stop: 16460, Start Num: 269

Candidate Starts for Attis_17:

(208, 14616), (Start: 269 @14751 has 31 MA's), (359, 14940), (361, 14943), (405, 15018), (429, 15072), (452, 15141), (459, 15153), (489, 15231), (490, 15234), (532, 15366), (547, 15420), (567, 15471), (581, 15501), (605, 15561), (610, 15573), (628, 15609), (688, 15726), (694, 15744), (707, 15783), (745, 15879), (803, 15987), (893, 16263), (894, 16266), (918, 16314), (932, 16344),

Gene: Aubs_16 Start: 14966, Stop: 16675, Start Num: 132

Candidate Starts for Aubs_16:

(Start: 132 @14966 has 199 MA's), (198, 15053), (Start: 228 @15098 has 2 MA's), (237, 15122), (277, 15227), (282, 15233), (290, 15251), (301, 15281), (349, 15386), (383, 15446), (398, 15467), (404, 15476), (415, 15500), (438, 15575), (459, 15602), (467, 15608), (481, 15626), (486, 15641), (488, 15647), (501, 15683), (503, 15686), (509, 15698), (510, 15704), (523, 15752), (530, 15764), (531, 15770), (586, 15830), (590, 15842), (606, 15878), (612, 15890), (644, 15965), (647, 15974), (656, 15992), (659, 15998), (671, 16028), (755, 16133), (761, 16142), (764, 16145), (785, 16181), (813, 16259), (844, 16358), (851, 16379), (862, 16412), (877, 16442), (886, 16472), (889, 16481), (891, 16487), (905, 16502), (906, 16505), (916, 16529), (935, 16559), (940, 16571), (947, 16601), (959, 16643),

Gene: AugsMagnumOpus_31 Start: 20371, Stop: 22167, Start Num: 145

Candidate Starts for AugsMagnumOpus_31:

(Start: 145 @20371 has 749 MA's), (Start: 191 @20428 has 1 MA's), (199, 20443), (216, 20476), (233, 20497), (Start: 239 @20512 has 1 MA's), (297, 20599), (303, 20611), (304, 20614), (349, 20689), (361, 20704), (379, 20740), (470, 20947), (516, 21061), (528, 21100), (560, 21187), (616, 21301), (623, 21325), (629, 21343), (675, 21424), (701, 21499), (708, 21517), (717, 21550), (720, 21556), (739, 21595), (777, 21649), (779, 21652), (791, 21673), (810, 21730), (865, 21898), (905, 22003), (907, 22009), (959, 22144),

Gene: Auspice_28 Start: 22341, Stop: 24104, Start Num: 124

Candidate Starts for Auspice_28:

(66, 22146), (Start: 115 @22326 has 3 MA's), (Start: 124 @22341 has 2 MA's), (Start: 147 @22368 has 14 MA's), (Start: 166 @22383 has 28 MA's), (189, 22422), (205, 22452), (207, 22458), (215, 22470), (271, 22575), (274, 22590), (303, 22629), (372, 22752), (376, 22761), (423, 22857), (437, 22899), (438, 22902), (510, 23079), (552, 23190), (583, 23217), (609, 23289), (612, 23298), (613, 23301), (617, 23313), (674, 23433), (675, 23436), (691, 23478), (700, 23508), (703, 23514), (783, 23634), (787, 23640), (936, 23994), (944, 24021), (950, 24039), (952, 24048),

Gene: AvadaKedavra_18 Start: 16746, Stop: 18515, Start Num: 130

Candidate Starts for AvadaKedavra_18:

(Start: 98 @16683 has 1 MA's), (106, 16704), (Start: 114 @16719 has 2 MA's), (Start: 130 @16746 has 38 MA's), (194, 16839), (Start: 220 @16887 has 45 MA's), (225, 16893), (245, 16920), (246, 16923), (248, 16929), (274, 17001), (281, 17010), (301, 17034), (306, 17049), (323, 17079), (397, 17205), (403, 17214), (413, 17235), (418, 17250), (440, 17319), (451, 17355), (467, 17376), (494, 17445), (510, 17484), (583, 17622), (587, 17634), (616, 17709), (619, 17715), (623, 17733), (638, 17772), (657, 17805), (661, 17814), (669, 17823), (674, 17832), (675, 17835), (716, 17955), (732, 17991), (787, 18039), (794, 18051), (824, 18105), (854, 18201), (859, 18219), (861, 18225), (862, 18228), (879, 18261), (886, 18285), (912, 18348), (932, 18390), (944, 18429), (950, 18447), (956, 18468), (961, 18489),

Gene: Avani_19 Start: 13744, Stop: 15408, Start Num: 150

Candidate Starts for Avani_19:

(Start: 150 @13744 has 25 MA's), (204, 13825), (Start: 220 @13855 has 45 MA's), (236, 13876), (240, 13888), (265, 13954), (306, 13993), (310, 14005), (323, 14029), (358, 14086), (360, 14089), (373, 14113), (376, 14119), (377, 14122), (407, 14167), (415, 14185), (426, 14221), (470, 14332), (488, 14368), (495, 14395), (501, 14407), (503, 14410), (516, 14452), (520, 14464), (527, 14488), (574, 14542), (616, 14641), (658, 14734), (675, 14761), (679, 14773), (703, 14824), (708, 14839), (751, 14893), (773, 14920), (845, 15082), (846, 15085), (847, 15088), (890, 15205), (907, 15247), (943, 15331), (957, 15376), (961, 15394),

Gene: AvatarAhPeg_28 Start: 20105, Stop: 21904, Start Num: 145

Candidate Starts for AvatarAhPeg_28:

(Start: 128 @20081 has 10 MA's), (Start: 145 @20105 has 749 MA's), (Start: 150 @20111 has 25 MA's), (Start: 191 @20165 has 1 MA's), (233, 20234), (261, 20312), (297, 20336), (303, 20348), (304, 20351), (349, 20426), (361, 20441), (381, 20480), (426, 20573), (434, 20597), (470, 20684), (516, 20798), (560, 20924), (587, 20969), (616, 21038), (623, 21062), (627, 21074), (675, 21161), (708, 21254), (717, 21287), (720, 21293), (729, 21308), (777, 21386), (779, 21389), (791, 21410), (865, 21635), (894, 21713), (896, 21716), (905, 21740), (907, 21746), (959, 21881), (966, 21899),

Gene: Avle17_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Avle17_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799),

(675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Avocado_18 Start: 16914, Stop: 18653, Start Num: 164

Candidate Starts for Avocado_18:

(Start: 138 @16905 has 25 MA's), (Start: 164 @16914 has 42 MA's), (182, 16944), (222, 17007), (224, 17010), (232, 17028), (244, 17061), (259, 17109), (261, 17112), (335, 17268), (341, 17283), (392, 17373), (415, 17415), (439, 17493), (488, 17589), (493, 17607), (504, 17631), (508, 17637), (520, 17676), (531, 17712), (548, 17757), (586, 17802), (623, 17898), (626, 17907), (663, 17964), (693, 18042), (701, 18069), (735, 18105), (778, 18159), (808, 18222), (819, 18252), (851, 18357), (859, 18381), (877, 18420), (895, 18471), (961, 18627), (963, 18630),

Gene: Avrafan_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Avrafan_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Awesomesauce_17 Start: 14672, Stop: 16381, Start Num: 132

Candidate Starts for Awesomesauce_17:

(Start: 132 @14672 has 199 MA's), (198, 14759), (Start: 228 @14804 has 2 MA's), (237, 14828), (277, 14933), (282, 14939), (290, 14957), (294, 14966), (301, 14987), (349, 15092), (383, 15152), (389, 15161), (398, 15173), (404, 15182), (415, 15206), (425, 15242), (427, 15248), (431, 15260), (438, 15281), (439, 15284), (442, 15293), (459, 15308), (467, 15314), (481, 15332), (486, 15347), (488, 15353), (493, 15371), (494, 15374), (501, 15389), (509, 15404), (510, 15410), (523, 15458), (530, 15470), (531, 15476), (586, 15536), (590, 15548), (595, 15557), (606, 15584), (612, 15596), (620, 15617), (644, 15671), (647, 15680), (659, 15704), (671, 15734), (755, 15839), (764, 15851), (785, 15887), (813, 15965), (844, 16064), (851, 16085), (862, 16118), (877, 16148), (886, 16178), (888, 16184), (889, 16187), (891, 16193), (905, 16208), (906, 16211), (914, 16232), (940, 16277), (959, 16349), (960, 16355),

Gene: Axym_18 Start: 15732, Stop: 17429, Start Num: 145

Candidate Starts for Axym_18:

(Start: 135 @15729 has 8 MA's), (Start: 145 @15732 has 749 MA's), (263, 15942), (349, 16065), (379, 16116), (423, 16203), (426, 16212), (433, 16233), (438, 16248), (442, 16260), (481, 16338), (485, 16350), (493, 16377), (506, 16410), (516, 16443), (520, 16455), (535, 16497), (606, 16620), (632, 16692), (675, 16770), (680, 16785), (689, 16803), (708, 16860), (779, 16953), (796, 16989), (802, 17001), (804, 17007), (807, 17019), (818, 17028), (844, 17100), (845, 17103), (847, 17109), (851, 17121), (875, 17181), (890, 17226), (893, 17235), (907, 17268), (940, 17334),

Gene: Ayotoya_22 Start: 18130, Stop: 19836, Start Num: 187

Candidate Starts for Ayotoya_22:

(131, 18055), (Start: 187 @18130 has 15 MA's), (Start: 239 @18223 has 1 MA's), (244, 18238), (246, 18244), (275, 18319), (305, 18391), (359, 18502), (384, 18547), (395, 18565), (404, 18577), (486, 18748), (489, 18757), (491, 18763), (523, 18859), (542, 18910), (616, 19033), (628, 19072), (691, 19204), (758, 19318), (808, 19405), (844, 19519), (847, 19528), (886, 19633), (936, 19720), (971, 19828),

Gene: Azira_20 Start: 16710, Stop: 18404, Start Num: 145

Candidate Starts for Azira_20:

(42, 16299), (48, 16335), (56, 16386), (Start: 145 @16710 has 749 MA's), (Start: 156 @16722 has 4 MA's), (310, 16974), (321, 16995), (323, 16998), (349, 17043), (360, 17058), (407, 17136), (423, 17181), (463, 17283), (481, 17316), (485, 17328), (486, 17331), (506, 17388), (516, 17421), (521, 17436), (541, 17502), (584, 17544), (587, 17553), (606, 17598), (628, 17661), (674, 17742), (680, 17760), (686, 17769), (689, 17778), (708, 17835), (710, 17844), (802, 17976), (818, 18003), (828, 18024), (844, 18075), (845, 18078), (881, 18174), (890, 18201), (893, 18210), (894, 18213), (907, 18243), (912, 18261), (939, 18306), (965, 18396),

Gene: Aziz_32 Start: 22957, Stop: 24696, Start Num: 147

Candidate Starts for Aziz_32:

(Start: 115 @22915 has 3 MA's), (Start: 124 @22930 has 2 MA's), (Start: 147 @22957 has 14 MA's), (202, 23035), (205, 23041), (215, 23059), (303, 23221), (306, 23230), (315, 23245), (366, 23332), (372, 23344), (376, 23353), (423, 23449), (427, 23461), (437, 23491), (438, 23494), (448, 23527), (504, 23656), (510, 23671), (516, 23689), (609, 23881), (612, 23890), (616, 23902), (619, 23908), (661, 24007), (669, 24016), (674, 24025), (698, 24094), (729, 24172), (757, 24187), (783, 24226), (787, 24232), (936, 24586), (944, 24613), (946, 24619),

Gene: Azrael100_39 Start: 25297, Stop: 27681, Start Num: 18

Candidate Starts for Azrael100_39:

(Start: 18 @25297 has 5 MA's), (28, 25414), (34, 25435), (35, 25438), (37, 25468), (39, 25474), (40, 25483), (55, 25573), (59, 25609), (60, 25627), (63, 25654), (65, 25666), (66, 25675), (76, 25738), (83, 25774), (93, 25810), (94, 25813), (97, 25819), (Start: 134 @25891 has 40 MA's), (163, 25921), (204, 25990), (205, 25993), (245, 26080), (252, 26098), (253, 26101), (274, 26161), (303, 26200), (326, 26242), (329, 26251), (331, 26257), (343, 26272), (350, 26287), (376, 26335), (423, 26431), (437, 26473), (438, 26476), (510, 26653), (516, 26671), (521, 26686), (523, 26701), (533, 26722), (543, 26755), (552, 26764), (582, 26794), (598, 26833), (612, 26875), (616, 26887), (617, 26890), (638, 26950), (674, 27010), (691, 27055), (703, 27091), (729, 27157), (783, 27211), (787, 27217), (824, 27283), (882, 27454), (892, 27478), (944, 27598), (951, 27619), (953, 27628), (965, 27664),

Gene: Azula_21 Start: 16962, Stop: 18611, Start Num: 220

Candidate Starts for Azula_21:

(196, 16926), (Start: 220 @16962 has 45 MA's), (Start: 228 @16971 has 2 MA's), (261, 17067), (295, 17145), (324, 17217), (337, 17244), (355, 17283), (404, 17364), (423, 17418), (510, 17604), (520, 17634), (585, 17733), (620, 17817), (626, 17841), (658, 17892), (695, 17985), (700, 17997), (738, 18042), (747, 18057), (809, 18189), (810, 18192), (841, 18291), (847, 18309), (865, 18360), (888, 18420), (890, 18426), (935, 18501),

Gene: B1_25 Start: 19592, Stop: 21391, Start Num: 145

Candidate Starts for B1_25:

(Start: 145 @19592 has 749 MA's), (Start: 191 @19652 has 1 MA's), (233, 19721), (297, 19823), (303, 19835), (304, 19838), (349, 19913), (361, 19928), (363, 19931), (381, 19967), (440, 20102), (470, 20171), (516, 20285), (560, 20411), (616, 20525), (617, 20528), (623, 20549), (629, 20567), (675, 20648), (701, 20723), (708, 20741), (710, 20750), (717, 20774), (720, 20780), (729, 20795), (739, 20819), (749, 20828), (777, 20873), (779, 20876), (791, 20897), (795, 20909), (865, 21122), (877, 21146), (905, 21227), (907, 21233), (959, 21368),

Gene: BABullseye_31 Start: 20049, Stop: 21821, Start Num: 145

Candidate Starts for BABullseye_31:

(Start: 145 @20049 has 749 MA's), (261, 20247), (304, 20286), (347, 20358), (349, 20361), (363, 20379), (381, 20415), (385, 20421), (434, 20532), (436, 20538), (448, 20577), (470, 20619), (488, 20658), (504, 20700), (507, 20703), (523, 20763), (624, 21000), (629, 21015), (675, 21096), (720,

21228), (802, 21354), (817, 21405), (821, 21414), (832, 21453), (833, 21456), (836, 21468), (865, 21552), (905, 21657), (907, 21663), (959, 21798),

Gene: BAKA_34 Start: 27001, Stop: 28999, Start Num: 133

Candidate Starts for BAKA_34:

(Start: 133 @27001 has 29 MA's), (Start: 197 @27091 has 47 MA's), (223, 27139), (237, 27169), (291, 27298), (302, 27328), (345, 27427), (365, 27463), (380, 27490), (418, 27562), (421, 27571), (427, 27592), (467, 27661), (488, 27700), (489, 27703), (493, 27718), (510, 27757), (523, 27805), (530, 27817), (531, 27823), (573, 27871), (579, 27880), (587, 27901), (595, 27919), (615, 27967), (656, 28069), (691, 28141), (706, 28186), (709, 28198), (726, 28333), (727, 28339), (728, 28363), (740, 28435), (754, 28462), (852, 28711),

Gene: BBQValindra_19 Start: 16628, Stop: 18358, Start Num: 143

Candidate Starts for BBQValindra_19:

(15, 16001), (19, 16034), (33, 16169), (50, 16271), (53, 16292), (57, 16313), (84, 16508), (Start: 121 @16592 has 1 MA's), (Start: 143 @16628 has 53 MA's), (310, 16898), (448, 17183), (469, 17225), (487, 17261), (495, 17291), (506, 17315), (519, 17357), (527, 17384), (563, 17441), (574, 17447), (612, 17534), (741, 17828), (785, 17894), (796, 17918), (804, 17936), (845, 18032), (851, 18050), (910, 18209), (948, 18296), (956, 18323),

Gene: BEEST_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for BEEST_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: BENtherdunthat_20 Start: 16428, Stop: 18125, Start Num: 145

Candidate Starts for BENtherdunthat_20:

(Start: 121 @16389 has 1 MA's), (Start: 145 @16428 has 749 MA's), (Start: 156 @16440 has 4 MA's), (205, 16518), (216, 16539), (244, 16587), (247, 16596), (261, 16638), (303, 16674), (329, 16731), (344, 16752), (360, 16779), (375, 16806), (438, 16947), (463, 17004), (478, 17031), (481, 17037), (495, 17085), (508, 17115), (519, 17151), (527, 17178), (528, 17181), (549, 17232), (583, 17259), (584, 17262), (594, 17289), (606, 17316), (632, 17388), (655, 17427), (687, 17481), (700, 17523), (730, 17598), (783, 17661), (796, 17688), (804, 17706), (841, 17790), (844, 17799), (845, 17802), (847, 17808), (853, 17823), (863, 17853), (866, 17859), (875, 17880), (877, 17883), (894, 17937), (907, 17967), (909, 17976), (937, 18027), (947, 18060), (951, 18072), (956, 18090),

Gene: BGlluviae_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for BGlluviae_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: BK1_25 Start: 20661, Stop: 22463, Start Num: 148

Candidate Starts for BK1_25:

(Start: 148 @20661 has 202 MA's), (Start: 166 @20682 has 28 MA's), (Start: 191 @20724 has 1 MA's), (215, 20769), (349, 20985), (376, 21030), (381, 21039), (407, 21078), (425, 21129), (426,

21132), (507, 21327), (528, 21396), (612, 21585), (616, 21597), (617, 21600), (623, 21621), (674, 21717), (675, 21720), (677, 21726), (701, 21795), (708, 21813), (710, 21822), (720, 21852), (779, 21948), (795, 21981), (802, 21996), (845, 22137), (865, 22194), (907, 22305),

Gene: BPBiebs31_28 Start: 21364, Stop: 23166, Start Num: 148

Candidate Starts for BPBiebs31_28:

(Start: 148 @21364 has 202 MA's), (Start: 166 @21385 has 28 MA's), (Start: 191 @21427 has 1 MA's), (215, 21472), (349, 21688), (376, 21733), (381, 21742), (407, 21781), (425, 21832), (426, 21835), (463, 21928), (507, 22030), (528, 22099), (616, 22300), (617, 22303), (623, 22324), (674, 22420), (675, 22423), (677, 22429), (701, 22498), (708, 22516), (710, 22525), (720, 22555), (779, 22651), (795, 22684), (802, 22699), (845, 22840), (865, 22897), (907, 23008),

Gene: BPs_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for BPs_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: BQuat_18 Start: 16631, Stop: 18394, Start Num: 138

Candidate Starts for BQuat_18:

(Start: 138 @16631 has 25 MA's), (Start: 164 @16640 has 42 MA's), (Start: 168 @16646 has 2 MA's), (172, 16652), (244, 16784), (261, 16835), (276, 16865), (Start: 288 @16889 has 1 MA's), (335, 16991), (353, 17030), (357, 17036), (365, 17051), (392, 17096), (439, 17216), (466, 17273), (488, 17312), (508, 17360), (516, 17387), (520, 17399), (548, 17480), (586, 17525), (675, 17723), (687, 17753), (693, 17771), (701, 17798), (760, 17882), (778, 17900), (792, 17915), (808, 17963), (812, 17978), (833, 18041), (851, 18098), (865, 18137), (882, 18179), (909, 18230), (950, 18326), (971, 18386),

Gene: BabeRuth_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for BabeRuth_18:

(Start: 134 @14993 has 40 MA's), (161, 15020), (185, 15059), (Start: 228 @15125 has 2 MA's), (232, 15137), (245, 15173), (254, 15197), (263, 15224), (272, 15245), (277, 15254), (282, 15260), (296, 15293), (379, 15467), (383, 15473), (389, 15482), (395, 15491), (404, 15503), (415, 15527), (427, 15569), (438, 15602), (481, 15653), (482, 15656), (486, 15668), (501, 15710), (509, 15725), (510, 15731), (523, 15779), (554, 15833), (586, 15857), (616, 15929), (636, 15983), (644, 15992), (647, 16001), (659, 16025), (670, 16052), (671, 16055), (755, 16160), (761, 16169), (785, 16208), (814, 16289), (832, 16346), (844, 16385), (886, 16499), (905, 16529), (906, 16532), (916, 16556), (938, 16592),

Gene: BaboJay_23 Start: 19296, Stop: 20975, Start Num: 137

Candidate Starts for BaboJay_23:

(Start: 137 @19296 has 84 MA's), (Start: 197 @19380 has 47 MA's), (Start: 239 @19458 has 1 MA's), (272, 19545), (282, 19560), (301, 19608), (315, 19647), (363, 19734), (380, 19767), (404, 19803), (417, 19833), (418, 19839), (441, 19908), (483, 19938), (487, 19950), (488, 19953), (510, 20010), (587, 20142), (589, 20148), (617, 20214), (620, 20220), (626, 20244), (647, 20292), (659, 20316), (665, 20325), (695, 20400), (761, 20451), (772, 20466), (833, 20628), (841, 20655), (851, 20685), (890, 20790), (938, 20868), (947, 20904), (950, 20913), (959, 20946), (965, 20961),

Gene: Babsiella_19 Start: 16430, Stop: 18163, Start Num: 139

Candidate Starts for Babsiella_19:

(Start: 139 @16430 has 6 MA's), (208, 16529), (214, 16538), (245, 16604), (254, 16628), (279, 16688), (282, 16691), (294, 16718), (379, 16898), (395, 16922), (404, 16934), (415, 16958), (481, 17084), (486, 17099), (489, 17108), (503, 17144), (510, 17162), (530, 17222), (636, 17414), (644, 17423), (647, 17432), (659, 17456), (761, 17600), (788, 17645), (824, 17747), (826, 17756), (830, 17774), (832, 17777), (886, 17936), (892, 17954), (905, 17990), (909, 18005), (938, 18053), (957, 18122),

Gene: Baby16_27 Start: 19836, Stop: 21614, Start Num: 145

Candidate Starts for Baby16_27:

(Start: 128 @19812 has 10 MA's), (Start: 145 @19836 has 749 MA's), (Start: 191 @19893 has 1 MA's), (Start: 220 @19947 has 45 MA's), (233, 19962), (240, 19980), (297, 20064), (303, 20076), (304, 20079), (349, 20154), (361, 20169), (381, 20208), (434, 20325), (470, 20412), (504, 20493), (521, 20541), (528, 20565), (560, 20652), (587, 20697), (617, 20769), (623, 20790), (629, 20808), (675, 20889), (708, 20982), (710, 20991), (717, 21015), (720, 21021), (731, 21045), (779, 21099), (791, 21120), (808, 21171), (815, 21195), (833, 21249), (865, 21345), (905, 21450), (909, 21465), (954, 21573), (959, 21591),

Gene: BabyBack_30 Start: 21767, Stop: 23563, Start Num: 128

Candidate Starts for BabyBack_30:

(Start: 128 @21767 has 10 MA's), (Start: 145 @21791 has 749 MA's), (303, 22025), (304, 22028), (349, 22103), (363, 22121), (385, 22163), (434, 22274), (448, 22319), (470, 22361), (504, 22442), (507, 22445), (560, 22601), (582, 22631), (616, 22715), (617, 22718), (675, 22838), (717, 22964), (720, 22970), (757, 23018), (785, 23060), (791, 23069), (802, 23096), (808, 23120), (811, 23132), (832, 23195), (833, 23198), (836, 23210), (865, 23294), (905, 23399), (907, 23405), (912, 23423), (935, 23459), (959, 23540),

Gene: BabyRay_27 Start: 20152, Stop: 21951, Start Num: 145

Candidate Starts for BabyRay_27:

(Start: 145 @20152 has 749 MA's), (Start: 191 @20212 has 1 MA's), (233, 20281), (297, 20383), (303, 20395), (304, 20398), (349, 20473), (361, 20488), (363, 20491), (381, 20527), (440, 20662), (470, 20731), (516, 20845), (560, 20971), (616, 21085), (617, 21088), (623, 21109), (629, 21127), (675, 21208), (701, 21283), (708, 21301), (710, 21310), (717, 21334), (720, 21340), (729, 21355), (749, 21388), (777, 21433), (779, 21436), (791, 21457), (795, 21469), (865, 21682), (877, 21706), (905, 21787), (907, 21793), (938, 21853), (959, 21928),

Gene: Bachita_50 Start: 30042, Stop: 31733, Start Num: 154

Candidate Starts for Bachita_50:

(Start: 154 @30042 has 21 MA's), (Start: 193 @30102 has 1 MA's), (208, 30135), (229, 30168), (276, 30294), (291, 30327), (295, 30336), (351, 30465), (378, 30513), (510, 30726), (511, 30732), (520, 30756), (600, 30885), (606, 30906), (620, 30939), (695, 31137), (810, 31290), (841, 31389), (845, 31401), (848, 31410), (880, 31494), (948, 31641), (958, 31677), (961, 31689),

Gene: Bachome_28 Start: 20746, Stop: 22545, Start Num: 145

Candidate Starts for Bachome_28:

(103, 20680), (Start: 128 @20722 has 10 MA's), (Start: 145 @20746 has 749 MA's), (185, 20788), (240, 20884), (246, 20899), (303, 20980), (304, 20983), (349, 21058), (361, 21073), (381, 21112), (385, 21118), (434, 21229), (436, 21235), (470, 21316), (507, 21400), (551, 21526), (562, 21562), (629, 21712), (668, 21778), (674, 21790), (675, 21793), (749, 21982), (765, 22009), (783, 22039), (785, 22042), (795, 22063), (802, 22078), (808, 22102), (832, 22177), (836, 22192), (865, 22276), (905, 22381), (907, 22387), (935, 22441), (966, 22540),

Gene: BackstagePass_19 Start: 16768, Stop: 18498, Start Num: 143

Candidate Starts for BackstagePass_19:

(84, 16648), (Start: 121 @16732 has 1 MA's), (Start: 143 @16768 has 53 MA's), (Start: 220 @16888 has 45 MA's), (296, 17005), (310, 17038), (360, 17122), (448, 17323), (469, 17365), (487, 17401), (495, 17431), (506, 17455), (519, 17497), (527, 17524), (563, 17581), (574, 17587), (612, 17674), (741, 17968), (785, 18034), (796, 18058), (804, 18076), (845, 18172), (851, 18190), (910, 18349), (948, 18436), (956, 18463),

Gene: Backyardigan_27 Start: 19835, Stop: 21634, Start Num: 145

Candidate Starts for Backyardigan_27:

(Start: 128 @19811 has 10 MA's), (Start: 145 @19835 has 749 MA's), (Start: 150 @19841 has 25 MA's), (Start: 191 @19895 has 1 MA's), (233, 19964), (261, 20042), (297, 20066), (304, 20081), (328, 20117), (349, 20156), (361, 20171), (381, 20210), (426, 20303), (434, 20327), (470, 20414), (516, 20528), (528, 20567), (560, 20654), (587, 20699), (616, 20768), (623, 20792), (627, 20804), (675, 20891), (701, 20966), (708, 20984), (710, 20993), (717, 21017), (720, 21023), (729, 21038), (749, 21071), (777, 21116), (779, 21119), (791, 21140), (865, 21365), (894, 21443), (905, 21470), (907, 21476), (959, 21611),

Gene: BaconJack_29 Start: 21344, Stop: 23146, Start Num: 148

Candidate Starts for BaconJack_29:

(Start: 148 @21344 has 202 MA's), (Start: 166 @21365 has 28 MA's), (Start: 191 @21407 has 1 MA's), (215, 21452), (349, 21668), (376, 21713), (381, 21722), (407, 21761), (425, 21812), (426, 21815), (507, 22010), (528, 22079), (616, 22280), (617, 22283), (623, 22304), (674, 22400), (675, 22403), (677, 22409), (701, 22478), (708, 22496), (710, 22505), (720, 22535), (779, 22631), (795, 22664), (802, 22679), (845, 22820), (865, 22877), (907, 22988),

Gene: Bactobuster_29 Start: 21784, Stop: 23556, Start Num: 145

Candidate Starts for Bactobuster_29:

(Start: 128 @21760 has 10 MA's), (Start: 145 @21784 has 749 MA's), (Start: 239 @21919 has 1 MA's), (246, 21937), (303, 22018), (304, 22021), (347, 22093), (349, 22096), (415, 22207), (423, 22234), (434, 22267), (448, 22312), (470, 22354), (507, 22438), (560, 22594), (583, 22627), (668, 22816), (675, 22831), (717, 22957), (720, 22963), (795, 23074), (802, 23089), (804, 23095), (808, 23113), (821, 23149), (832, 23188), (836, 23203), (905, 23392), (907, 23398), (912, 23416), (928, 23443),

Gene: BadStone_23 Start: 19745, Stop: 21424, Start Num: 137

Candidate Starts for BadStone_23:

(Start: 137 @19745 has 84 MA's), (Start: 197 @19829 has 47 MA's), (Start: 239 @19907 has 1 MA's), (272, 19994), (282, 20009), (301, 20057), (315, 20096), (363, 20183), (380, 20216), (404, 20252), (417, 20282), (418, 20288), (441, 20357), (483, 20387), (487, 20399), (488, 20402), (510, 20459), (587, 20591), (589, 20597), (617, 20663), (620, 20669), (626, 20693), (647, 20741), (659, 20765), (665, 20774), (695, 20849), (761, 20900), (772, 20915), (833, 21077), (841, 21104), (851, 21134), (890, 21239), (938, 21317), (947, 21353), (950, 21362), (959, 21395), (965, 21410),

Gene: Baddon_34 Start: 30732, Stop: 32495, Start Num: 107

Candidate Starts for Baddon_34:

(Start: 107 @30732 has 72 MA's), (Start: 126 @30768 has 1 MA's), (210, 30897), (216, 30906), (259, 31002), (265, 31011), (319, 31080), (349, 31131), (356, 31140), (376, 31176), (385, 31191), (397, 31209), (425, 31272), (440, 31317), (443, 31326), (495, 31446), (503, 31461), (510, 31485), (520, 31515), (629, 31737), (644, 31755), (649, 31770), (674, 31812), (675, 31815), (686, 31842), (732, 31962), (783, 32025), (845, 32166), (846, 32169), (862, 32217), (875, 32244), (884, 32271), (905, 32325), (913, 32352),

Gene: Badger_27 Start: 19824, Stop: 21623, Start Num: 145

Candidate Starts for Badger_27:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 150 @19830 has 25 MA's), (Start: 191 @19884 has 1 MA's), (233, 19953), (261, 20031), (297, 20055), (304, 20070), (328, 20106), (349, 20145), (361, 20160), (381, 20199), (426, 20292), (434, 20316), (470, 20403), (516, 20517), (528, 20556), (560, 20643), (587, 20688), (616, 20757), (623, 20781), (627, 20793), (675, 20880), (701, 20955), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (729, 21027), (749, 21060), (777, 21105), (779, 21108), (791, 21129), (865, 21354), (894, 21432), (905, 21459), (907, 21465), (959, 21600),

Gene: Baehexic_29 Start: 20675, Stop: 22447, Start Num: 145

Candidate Starts for Baehexic_29:

(Start: 128 @20651 has 10 MA's), (Start: 145 @20675 has 749 MA's), (Start: 239 @20810 has 1 MA's), (303, 20909), (304, 20912), (347, 20984), (349, 20987), (381, 21041), (385, 21047), (419, 21110), (434, 21158), (470, 21245), (504, 21326), (507, 21329), (516, 21359), (560, 21485), (582, 21515), (617, 21602), (675, 21722), (716, 21845), (717, 21848), (720, 21854), (757, 21902), (795, 21965), (802, 21980), (804, 21986), (821, 22040), (832, 22079), (836, 22094), (847, 22127), (862, 22172), (905, 22283), (907, 22289), (935, 22343),

Gene: BaghaKamala_23 Start: 17117, Stop: 18883, Start Num: 145

Candidate Starts for BaghaKamala_23:

(Start: 145 @17117 has 749 MA's), (Start: 170 @17147 has 1 MA's), (251, 17306), (261, 17339), (276, 17369), (291, 17402), (298, 17414), (338, 17504), (361, 17546), (404, 17618), (409, 17627), (422, 17666), (436, 17711), (443, 17732), (444, 17735), (482, 17789), (488, 17807), (504, 17849), (508, 17855), (516, 17882), (586, 18020), (593, 18038), (612, 18080), (619, 18098), (628, 18128), (647, 18155), (693, 18260), (797, 18419), (809, 18455), (820, 18485), (823, 18494), (845, 18569), (862, 18620), (950, 18815), (960, 18854), (961, 18857), (971, 18875),

Gene: Bakery_32 Start: 25768, Stop: 27534, Start Num: 107

Candidate Starts for Bakery_32:

(90, 25726), (100, 25756), (Start: 107 @25768 has 72 MA's), (Start: 126 @25804 has 1 MA's), (Start: 143 @25828 has 53 MA's), (Start: 150 @25837 has 25 MA's), (244, 25993), (245, 25996), (263, 26047), (265, 26050), (303, 26080), (319, 26119), (349, 26170), (356, 26179), (375, 26212), (443, 26365), (463, 26404), (487, 26455), (491, 26467), (495, 26485), (501, 26497), (506, 26509), (510, 26524), (520, 26554), (521, 26557), (527, 26578), (602, 26698), (649, 26809), (669, 26842), (687, 26884), (710, 26956), (753, 27022), (845, 27205), (846, 27208), (862, 27256), (875, 27283), (884, 27310), (905, 27364), (951, 27481), (957, 27502), (966, 27529),

Gene: Balomoji_23 Start: 19479, Stop: 21158, Start Num: 137

Candidate Starts for Balomoji_23:

(Start: 137 @19479 has 84 MA's), (Start: 197 @19563 has 47 MA's), (Start: 239 @19641 has 1 MA's), (272, 19728), (282, 19743), (301, 19791), (315, 19830), (363, 19917), (380, 19950), (404, 19986), (417, 20016), (418, 20022), (441, 20091), (483, 20121), (487, 20133), (488, 20136), (510, 20193), (587, 20325), (589, 20331), (617, 20397), (620, 20403), (626, 20427), (647, 20475), (659, 20499), (665, 20508), (695, 20583), (761, 20634), (772, 20649), (833, 20811), (841, 20838), (851, 20868), (890, 20973), (938, 21051), (947, 21087), (950, 21096), (959, 21129), (965, 21144),

Gene: BangNhom_27 Start: 20138, Stop: 21919, Start Num: 145

Candidate Starts for BangNhom_27:

(Start: 128 @20114 has 10 MA's), (Start: 145 @20138 has 749 MA's), (Start: 150 @20144 has 25 MA's), (Start: 191 @20198 has 1 MA's), (199, 20213), (233, 20267), (240, 20285), (297, 20369), (303, 20381), (304, 20384), (349, 20459), (361, 20474), (381, 20513), (434, 20630), (470, 20717), (504, 20798), (521, 20846), (528, 20870), (560, 20957), (587, 21002), (617, 21074), (623, 21095), (629, 21113), (675, 21194), (701, 21269), (708, 21287), (710, 21296), (717, 21320), (720, 21326), (731,

21350), (773, 21392), (779, 21404), (791, 21425), (808, 21476), (815, 21500), (833, 21554), (865, 21650), (905, 21755), (909, 21770), (954, 21878), (959, 21896),

Gene: Bantam_30 Start: 27105, Stop: 28868, Start Num: 156

Candidate Starts for Bantam_30:

(88, 26973), (Start: 156 @27105 has 4 MA's), (Start: 193 @27162 has 1 MA's), (261, 27315), (294, 27390), (351, 27522), (378, 27570), (421, 27654), (488, 27816), (489, 27819), (507, 27861), (510, 27873), (511, 27879), (531, 27939), (535, 27945), (612, 28065), (622, 28098), (641, 28146), (695, 28272), (772, 28338), (841, 28524), (845, 28536), (875, 28614), (893, 28668), (972, 28860),

Gene: Baoshan_17 Start: 16814, Stop: 18547, Start Num: 165

Candidate Starts for Baoshan_17:

(Start: 165 @16814 has 28 MA's), (205, 16883), (274, 17024), (276, 17027), (301, 17057), (306, 17072), (326, 17105), (350, 17150), (379, 17204), (397, 17231), (405, 17243), (423, 17294), (425, 17300), (436, 17333), (500, 17486), (510, 17510), (512, 17519), (527, 17564), (547, 17615), (608, 17720), (626, 17777), (657, 17840), (691, 17912), (703, 17948), (773, 18047), (783, 18068), (787, 18074), (794, 18086), (826, 18149), (854, 18236), (862, 18263), (879, 18296), (897, 18347), (905, 18359), (912, 18383), (944, 18461), (950, 18479),

Gene: Barb_33 Start: 26575, Stop: 28341, Start Num: 107

Candidate Starts for Barb_33:

(90, 26533), (Start: 107 @26575 has 72 MA's), (Start: 126 @26611 has 1 MA's), (Start: 150 @26644 has 25 MA's), (263, 26854), (265, 26857), (303, 26887), (333, 26953), (349, 26977), (356, 26986), (375, 27019), (443, 27172), (463, 27211), (487, 27262), (491, 27274), (495, 27292), (501, 27304), (506, 27316), (510, 27331), (520, 27361), (521, 27364), (527, 27385), (583, 27457), (602, 27505), (649, 27616), (669, 27649), (687, 27691), (710, 27763), (753, 27829), (759, 27841), (845, 28012), (846, 28015), (862, 28063), (875, 28090), (884, 28117), (905, 28171), (951, 28288), (957, 28309), (966, 28336),

Gene: Barbarian_23 Start: 18698, Stop: 20293, Start Num: 197

Candidate Starts for Barbarian_23:

(Start: 137 @18614 has 84 MA's), (Start: 197 @18698 has 47 MA's), (Start: 239 @18776 has 1 MA's), (272, 18863), (282, 18878), (301, 18926), (315, 18965), (363, 19052), (367, 19064), (380, 19085), (404, 19121), (417, 19151), (418, 19157), (441, 19226), (483, 19256), (487, 19268), (488, 19271), (510, 19328), (587, 19460), (589, 19466), (617, 19532), (620, 19538), (626, 19562), (647, 19610), (659, 19634), (665, 19643), (695, 19718), (761, 19769), (772, 19784), (833, 19946), (841, 19973), (851, 20003), (890, 20108), (938, 20186), (947, 20222), (950, 20231), (959, 20264), (965, 20279),

Gene: Barco_19 Start: 16650, Stop: 18296, Start Num: 220

Candidate Starts for Barco_19:

(196, 16614), (Start: 220 @16650 has 45 MA's), (261, 16752), (295, 16830), (296, 16833), (337, 16929), (355, 16968), (404, 17049), (423, 17103), (428, 17118), (510, 17289), (520, 17319), (620, 17502), (626, 17526), (627, 17529), (658, 17577), (695, 17670), (700, 17682), (738, 17727), (747, 17742), (809, 17874), (810, 17877), (841, 17976), (847, 17994), (865, 18045), (890, 18111), (927, 18174), (935, 18186),

Gene: Barkley26_18 Start: 16652, Stop: 18406, Start Num: 164

Candidate Starts for Barkley26_18:

(67, 16439), (Start: 138 @16643 has 25 MA's), (Start: 164 @16652 has 42 MA's), (Start: 168 @16658 has 2 MA's), (172, 16664), (222, 16742), (244, 16796), (261, 16847), (276, 16877), (Start: 288 @16901 has 1 MA's), (298, 16922), (335, 17003), (353, 17042), (357, 17048), (365, 17063), (392, 17108), (439, 17228), (466, 17285), (488, 17324), (504, 17366), (508, 17372), (516, 17399), (520, 17411), (548, 17492), (586, 17537), (606, 17585), (675, 17735), (687, 17765), (693, 17783), (701,

17810), (778, 17912), (792, 17927), (808, 17975), (812, 17990), (833, 18053), (851, 18110), (865, 18149), (882, 18191), (909, 18242), (950, 18338), (971, 18398),

Gene: BarrelRoll_23 Start: 17140, Stop: 18906, Start Num: 145

Candidate Starts for BarrelRoll_23:

(Start: 145 @17140 has 749 MA's), (Start: 170 @17170 has 1 MA's), (251, 17329), (261, 17362), (276, 17392), (291, 17425), (298, 17437), (338, 17527), (361, 17569), (404, 17641), (409, 17650), (422, 17689), (436, 17734), (443, 17755), (444, 17758), (482, 17812), (488, 17830), (504, 17872), (508, 17878), (516, 17905), (586, 18043), (593, 18061), (612, 18103), (619, 18121), (628, 18151), (647, 18178), (693, 18283), (797, 18442), (809, 18478), (820, 18508), (823, 18517), (845, 18592), (862, 18643), (950, 18838), (960, 18877), (961, 18880), (971, 18898),

Gene: Barriga_27 Start: 20952, Stop: 22754, Start Num: 148

Candidate Starts for Barriga_27:

(Start: 148 @20952 has 202 MA's), (Start: 166 @20973 has 28 MA's), (Start: 191 @21015 has 1 MA's), (215, 21060), (349, 21276), (376, 21321), (381, 21330), (407, 21369), (425, 21420), (426, 21423), (507, 21618), (528, 21687), (552, 21747), (616, 21888), (617, 21891), (623, 21912), (674, 22008), (675, 22011), (677, 22017), (701, 22086), (708, 22104), (710, 22113), (720, 22143), (779, 22239), (795, 22272), (802, 22287), (845, 22428), (865, 22485), (907, 22596),

Gene: Barsten_35 Start: 30283, Stop: 32046, Start Num: 107

Candidate Starts for Barsten_35:

(100, 30265), (Start: 107 @30283 has 72 MA's), (Start: 126 @30319 has 1 MA's), (216, 30457), (259, 30553), (265, 30562), (319, 30631), (349, 30682), (376, 30727), (385, 30742), (425, 30823), (440, 30868), (443, 30877), (487, 30967), (495, 30997), (503, 31012), (510, 31036), (520, 31066), (586, 31171), (629, 31288), (644, 31306), (649, 31321), (668, 31351), (674, 31363), (675, 31366), (686, 31393), (845, 31717), (846, 31720), (862, 31768), (875, 31795), (884, 31822), (905, 31876), (913, 31903), (961, 32032),

Gene: Bartholomew_19 Start: 16385, Stop: 18121, Start Num: 129

Candidate Starts for Bartholomew_19:

(Start: 114 @16361 has 2 MA's), (Start: 129 @16385 has 45 MA's), (174, 16445), (185, 16466), (Start: 187 @16469 has 15 MA's), (250, 16589), (263, 16628), (279, 16661), (291, 16685), (341, 16805), (363, 16844), (365, 16850), (411, 16934), (415, 16940), (418, 16952), (425, 16976), (434, 17003), (441, 17021), (470, 17060), (481, 17066), (489, 17090), (510, 17144), (513, 17156), (517, 17165), (537, 17225), (595, 17303), (612, 17342), (622, 17375), (647, 17441), (654, 17456), (659, 17465), (669, 17489), (686, 17519), (691, 17531), (782, 17633), (788, 17645), (791, 17648), (794, 17654), (796, 17663), (830, 17771), (858, 17855), (898, 17954), (950, 18062), (965, 18110),

Gene: Bartimeaus_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Bartimeaus_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Bask21_24 Start: 19009, Stop: 20604, Start Num: 197

Candidate Starts for Bask21_24:

(Start: 137 @18925 has 84 MA's), (Start: 197 @19009 has 47 MA's), (Start: 239 @19087 has 1 MA's), (272, 19174), (282, 19189), (301, 19237), (315, 19276), (363, 19363), (380, 19396), (404, 19432),

(417, 19462), (418, 19468), (441, 19537), (483, 19567), (487, 19579), (488, 19582), (510, 19639), (587, 19771), (589, 19777), (617, 19843), (620, 19849), (626, 19873), (647, 19921), (659, 19945), (665, 19954), (695, 20029), (761, 20080), (772, 20095), (833, 20257), (841, 20284), (851, 20314), (890, 20419), (938, 20497), (947, 20533), (950, 20542), (959, 20575), (965, 20590),

Gene: BatStarr_19 Start: 17764, Stop: 19362, Start Num: 268

Candidate Starts for BatStarr_19:

(Start: 268 @17764 has 52 MA's), (418, 18022), (424, 18040), (425, 18043), (443, 18097), (472, 18172), (496, 18241), (499, 18250), (505, 18262), (521, 18313), (529, 18340), (532, 18349), (534, 18352), (582, 18385), (605, 18442), (628, 18508), (683, 18619), (694, 18643), (705, 18679), (745, 18781), (779, 18838), (813, 18928), (894, 19168), (932, 19246),

Gene: Batiatus_16 Start: 14857, Stop: 16566, Start Num: 132

Candidate Starts for Batiatus_16:

(Start: 132 @14857 has 199 MA's), (198, 14944), (Start: 228 @14989 has 2 MA's), (237, 15013), (277, 15118), (282, 15124), (290, 15142), (301, 15172), (349, 15277), (383, 15337), (398, 15358), (404, 15367), (415, 15391), (427, 15433), (481, 15517), (486, 15532), (488, 15538), (501, 15574), (503, 15577), (509, 15589), (510, 15595), (523, 15643), (530, 15655), (531, 15661), (586, 15721), (590, 15733), (606, 15769), (612, 15781), (644, 15856), (647, 15865), (656, 15883), (659, 15889), (671, 15919), (755, 16024), (761, 16033), (764, 16036), (785, 16072), (813, 16150), (844, 16249), (851, 16270), (862, 16303), (877, 16333), (886, 16363), (889, 16372), (891, 16378), (905, 16393), (906, 16396), (916, 16420), (935, 16450), (940, 16462), (947, 16492), (959, 16534),

Gene: Battleship_31 Start: 19208, Stop: 20995, Start Num: 145

Candidate Starts for Battleship_31:

(103, 19142), (Start: 128 @19184 has 10 MA's), (Start: 145 @19208 has 749 MA's), (240, 19346), (259, 19403), (304, 19445), (328, 19481), (349, 19520), (391, 19589), (407, 19613), (426, 19667), (488, 19817), (507, 19862), (516, 19892), (527, 19928), (543, 19979), (559, 20015), (587, 20063), (613, 20123), (674, 20252), (701, 20330), (802, 20531), (804, 20537), (833, 20633), (892, 20798), (938, 20897),

Gene: Baudelaire_18 Start: 16306, Stop: 18069, Start Num: 128

Candidate Starts for Baudelaire_18:

(106, 16267), (Start: 114 @16282 has 2 MA's), (Start: 128 @16306 has 10 MA's), (155, 16327), (215, 16429), (225, 16444), (248, 16480), (276, 16555), (281, 16561), (297, 16579), (301, 16585), (303, 16591), (376, 16723), (397, 16756), (405, 16768), (415, 16789), (467, 16927), (494, 16996), (500, 17011), (507, 17023), (510, 17035), (512, 17044), (523, 17083), (527, 17089), (535, 17107), (543, 17137), (583, 17179), (616, 17266), (627, 17302), (638, 17329), (661, 17371), (674, 17389), (675, 17392), (676, 17395), (701, 17467), (703, 17470), (729, 17536), (732, 17548), (787, 17596), (824, 17662), (829, 17680), (841, 17722), (847, 17740), (862, 17785), (865, 17791), (907, 17887), (909, 17896), (912, 17905), (936, 17953), (938, 17956), (944, 17983), (950, 18001), (952, 18010), (956, 18022), (959, 18034), (961, 18043), (969, 18055),

Gene: Baumdotcom_34 Start: 29556, Stop: 31319, Start Num: 107

Candidate Starts for Baumdotcom_34:

(Start: 107 @29556 has 72 MA's), (Start: 126 @29592 has 1 MA's), (210, 29721), (216, 29730), (259, 29826), (265, 29835), (319, 29904), (349, 29955), (356, 29964), (376, 30000), (385, 30015), (397, 30033), (425, 30096), (440, 30141), (443, 30150), (493, 30261), (495, 30270), (503, 30285), (510, 30309), (520, 30339), (629, 30561), (644, 30579), (649, 30594), (674, 30636), (675, 30639), (686, 30666), (732, 30786), (783, 30849), (845, 30990), (846, 30993), (862, 31041), (875, 31068), (884, 31095), (905, 31149), (913, 31176), (951, 31266), (966, 31314),

Gene: BaxterFox_18 Start: 17103, Stop: 18701, Start Num: 268

Candidate Starts for BaxterFox_18:

(Start: 268 @17103 has 52 MA's), (418, 17361), (424, 17379), (425, 17382), (443, 17436), (472, 17511), (496, 17580), (499, 17589), (505, 17601), (509, 17613), (521, 17652), (529, 17679), (532, 17688), (534, 17691), (582, 17724), (605, 17781), (628, 17847), (683, 17958), (705, 18018), (745, 18120), (779, 18177), (813, 18267), (894, 18507), (932, 18585),

Gene: Bazzle_18 Start: 16954, Stop: 18687, Start Num: 165

Candidate Starts for Bazzle_18:

(Start: 165 @16954 has 28 MA's), (205, 17023), (274, 17164), (276, 17167), (306, 17212), (326, 17245), (350, 17290), (379, 17344), (397, 17371), (405, 17383), (423, 17434), (425, 17440), (436, 17473), (500, 17626), (510, 17650), (512, 17659), (521, 17683), (523, 17698), (527, 17704), (547, 17755), (583, 17797), (626, 17917), (657, 17980), (691, 18052), (703, 18088), (732, 18166), (773, 18187), (783, 18208), (787, 18214), (794, 18226), (826, 18289), (854, 18376), (862, 18403), (879, 18436), (890, 18472), (897, 18487), (912, 18523), (944, 18601), (950, 18619),

Gene: Beakin_17 Start: 14663, Stop: 16372, Start Num: 132

Candidate Starts for Beakin_17:

(Start: 132 @14663 has 199 MA's), (198, 14750), (Start: 228 @14795 has 2 MA's), (237, 14819), (277, 14924), (282, 14930), (290, 14948), (301, 14978), (349, 15083), (383, 15143), (398, 15164), (404, 15173), (411, 15191), (415, 15197), (438, 15272), (481, 15323), (486, 15338), (488, 15344), (501, 15380), (503, 15383), (509, 15395), (510, 15401), (523, 15449), (530, 15461), (531, 15467), (586, 15527), (590, 15539), (606, 15575), (612, 15587), (644, 15662), (647, 15671), (656, 15689), (659, 15695), (671, 15725), (755, 15830), (761, 15839), (764, 15842), (785, 15878), (813, 15956), (844, 16055), (851, 16076), (862, 16109), (877, 16139), (886, 16169), (889, 16178), (891, 16184), (905, 16199), (906, 16202), (916, 16226), (935, 16256), (940, 16268), (947, 16298), (959, 16340),

Gene: BearBQ_19 Start: 17400, Stop: 19109, Start Num: 145

Candidate Starts for BearBQ_19:

(Start: 145 @17400 has 749 MA's), (Start: 156 @17412 has 4 MA's), (158, 17415), (Start: 220 @17517 has 45 MA's), (241, 17553), (265, 17619), (329, 17712), (361, 17763), (365, 17772), (376, 17790), (403, 17832), (407, 17838), (417, 17862), (418, 17868), (423, 17886), (440, 17937), (442, 17943), (451, 17973), (479, 18015), (489, 18042), (495, 18066), (516, 18117), (517, 18120), (525, 18150), (612, 18300), (686, 18462), (708, 18528), (710, 18537), (713, 18549), (716, 18558), (787, 18651), (796, 18672), (802, 18684), (804, 18690), (806, 18699), (807, 18702), (835, 18756), (845, 18786), (870, 18855), (905, 18942), (907, 18948), (934, 18999), (959, 19086), (966, 19104),

Gene: Beatrix_27 Start: 22534, Stop: 24336, Start Num: 148

Candidate Starts for Beatrix_27:

(Start: 148 @22534 has 202 MA's), (Start: 166 @22555 has 28 MA's), (Start: 191 @22597 has 1 MA's), (215, 22642), (349, 22858), (376, 22903), (381, 22912), (407, 22951), (425, 23002), (426, 23005), (507, 23200), (528, 23269), (616, 23470), (617, 23473), (623, 23494), (674, 23590), (675, 23593), (677, 23599), (701, 23668), (708, 23686), (710, 23695), (720, 23725), (779, 23821), (795, 23854), (802, 23869), (845, 24010), (865, 24067), (907, 24178),

Gene: Beauxregard13_29 Start: 20379, Stop: 22175, Start Num: 145

Candidate Starts for Beauxregard13_29:

(Start: 145 @20379 has 749 MA's), (Start: 191 @20436 has 1 MA's), (199, 20451), (216, 20484), (233, 20505), (Start: 239 @20520 has 1 MA's), (297, 20607), (303, 20619), (304, 20622), (349, 20697), (361, 20712), (379, 20748), (470, 20955), (516, 21069), (528, 21108), (560, 21195), (616, 21309), (623, 21333), (629, 21351), (675, 21432), (701, 21507), (708, 21525), (717, 21558), (720, 21564), (739, 21603), (777, 21657), (779, 21660), (791, 21681), (810, 21738), (865, 21906), (905, 22011), (907, 22017), (959, 22152),

Gene: BeeGee_20 Start: 17530, Stop: 19236, Start Num: 145

Candidate Starts for BeeGee_20:

(Start: 129 @17506 has 45 MA's), (Start: 145 @17530 has 749 MA's), (216, 17635), (242, 17677), (285, 17752), (349, 17866), (423, 18013), (425, 18019), (440, 18064), (500, 18202), (525, 18277), (674, 18559), (681, 18580), (708, 18655), (759, 18742), (787, 18778), (802, 18811), (804, 18817), (835, 18883), (845, 18913), (905, 19069), (907, 19075), (912, 19093), (957, 19204),

Gene: Beelzebub_54 Start: 27672, Stop: 29384, Start Num: 166

Candidate Starts for Beelzebub_54:

(120, 27609), (Start: 166 @27672 has 28 MA's), (211, 27753), (246, 27810), (276, 27891), (281, 27897), (317, 27954), (323, 27966), (329, 27978), (352, 28017), (363, 28032), (403, 28101), (423, 28155), (426, 28164), (491, 28320), (510, 28368), (512, 28377), (516, 28386), (528, 28425), (535, 28440), (583, 28503), (587, 28515), (629, 28632), (631, 28635), (657, 28686), (673, 28713), (675, 28716), (682, 28737), (698, 28779), (777, 28899), (787, 28917), (847, 29061), (862, 29106), (871, 29124), (904, 29208), (907, 29217), (912, 29235), (925, 29256), (944, 29301), (946, 29307), (950, 29319), (953, 29331), (957, 29343), (965, 29367), (969, 29373),

Gene: Beemo_30 Start: 21783, Stop: 23573, Start Num: 145

Candidate Starts for Beemo_30:

(Start: 143 @21780 has 53 MA's), (Start: 145 @21783 has 749 MA's), (303, 22017), (304, 22020), (347, 22092), (349, 22095), (361, 22110), (381, 22149), (385, 22155), (434, 22266), (470, 22353), (504, 22434), (507, 22437), (582, 22623), (609, 22686), (617, 22710), (620, 22716), (629, 22749), (675, 22830), (717, 22956), (737, 22998), (779, 23058), (795, 23091), (802, 23106), (832, 23205), (833, 23208), (836, 23220), (865, 23304), (890, 23370), (905, 23409), (907, 23415), (928, 23460), (950, 23517), (951, 23520),

Gene: Beenie_20 Start: 17703, Stop: 19283, Start Num: 268

Candidate Starts for Beenie_20:

(217, 17586), (Start: 268 @17703 has 52 MA's), (418, 17961), (425, 17982), (443, 18036), (459, 18075), (482, 18132), (489, 18153), (582, 18324), (588, 18342), (601, 18366), (608, 18387), (628, 18429), (671, 18510), (705, 18600), (720, 18645), (745, 18702), (748, 18705), (779, 18759), (813, 18849), (913, 19128), (918, 19137), (932, 19167),

Gene: BeesKnees_28 Start: 21151, Stop: 22953, Start Num: 148

Candidate Starts for BeesKnees_28:

(Start: 148 @21151 has 202 MA's), (Start: 166 @21172 has 28 MA's), (Start: 191 @21214 has 1 MA's), (215, 21259), (349, 21475), (376, 21520), (381, 21529), (407, 21568), (425, 21619), (426, 21622), (507, 21817), (528, 21886), (616, 22087), (617, 22090), (623, 22111), (674, 22207), (675, 22210), (677, 22216), (701, 22285), (708, 22303), (710, 22312), (720, 22342), (779, 22438), (795, 22471), (802, 22486), (845, 22627), (865, 22684), (907, 22795),

Gene: Beezoo_23 Start: 17164, Stop: 18930, Start Num: 145

Candidate Starts for Beezoo_23:

(Start: 145 @17164 has 749 MA's), (Start: 170 @17194 has 1 MA's), (251, 17353), (261, 17386), (276, 17416), (291, 17449), (298, 17461), (338, 17551), (361, 17593), (404, 17665), (409, 17674), (422, 17713), (436, 17758), (443, 17779), (444, 17782), (482, 17836), (488, 17854), (504, 17896), (508, 17902), (516, 17929), (586, 18067), (593, 18085), (612, 18127), (619, 18145), (628, 18175), (647, 18202), (693, 18307), (797, 18466), (809, 18502), (823, 18541), (845, 18616), (862, 18667), (950, 18862), (960, 18901), (961, 18904), (971, 18922),

Gene: Begonia_20 Start: 17128, Stop: 18774, Start Num: 220

Candidate Starts for Begonia_20:

(196, 17092), (Start: 220 @17128 has 45 MA's), (261, 17230), (295, 17308), (337, 17407), (355, 17446), (404, 17527), (423, 17581), (428, 17596), (510, 17767), (520, 17797), (620, 17980), (626, 18004), (658, 18055), (695, 18148), (700, 18160), (738, 18205), (747, 18220), (809, 18352), (810, 18355), (841, 18454), (847, 18472), (865, 18523), (890, 18589), (927, 18652), (935, 18664),

Gene: Belenaria_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for Belenaria_23:

(Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (261, 16526), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (478, 16904), (481, 16910), (486, 16925), (487, 16928), (507, 16976), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: Bella96_23 Start: 17084, Stop: 18850, Start Num: 145

Candidate Starts for Bella96_23:

(Start: 145 @17084 has 749 MA's), (Start: 170 @17114 has 1 MA's), (251, 17273), (261, 17306), (276, 17336), (291, 17369), (298, 17381), (338, 17471), (361, 17513), (404, 17585), (409, 17594), (422, 17633), (436, 17678), (444, 17702), (488, 17774), (504, 17816), (508, 17822), (516, 17849), (586, 17987), (593, 18005), (612, 18047), (619, 18065), (628, 18095), (647, 18122), (693, 18227), (750, 18317), (809, 18422), (820, 18452), (823, 18461), (845, 18536), (862, 18587), (950, 18782), (960, 18821), (961, 18824), (971, 18842),

Gene: Belladonna_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Belladonna_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Bellis_19 Start: 17375, Stop: 19138, Start Num: 130

Candidate Starts for Bellis_19:

(Start: 130 @17375 has 38 MA's), (155, 17402), (194, 17465), (Start: 220 @17513 has 45 MA's), (225, 17519), (248, 17555), (276, 17630), (297, 17654), (301, 17660), (329, 17717), (397, 17831), (405, 17843), (443, 17954), (507, 18098), (510, 18110), (521, 18143), (523, 18158), (616, 18332), (619, 18338), (638, 18395), (661, 18437), (669, 18446), (675, 18458), (701, 18533), (729, 18602), (732, 18614), (787, 18662), (824, 18728), (847, 18806), (862, 18851), (886, 18908), (912, 18971), (930, 19007), (936, 19022), (944, 19052), (946, 19058), (950, 19070), (952, 19079), (956, 19091),

Gene: BellusTerra_27 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for BellusTerra_27:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: Belphegor_33 Start: 30018, Stop: 31643, Start Num: 190

Candidate Starts for Belphegor_33:

(Start: 154 @29961 has 21 MA's), (Start: 190 @30018 has 16 MA's), (198, 30030), (214, 30063), (Start: 239 @30114 has 1 MA's), (289, 30231), (294, 30243), (304, 30273), (326, 30318), (348, 30369), (371, 30408), (489, 30615), (500, 30645), (504, 30654), (517, 30690), (537, 30750), (586, 30798), (589, 30807), (616, 30870), (628, 30906), (632, 30915), (649, 30945), (668, 30984), (700, 31071), (701, 31074), (787, 31152), (809, 31212), (824, 31257), (847, 31338), (867, 31392), (909, 31488), (950, 31584), (959, 31617),

Gene: Bench_26 Start: 19690, Stop: 21285, Start Num: 197

Candidate Starts for Bench_26:

(Start: 137 @19606 has 84 MA's), (Start: 197 @19690 has 47 MA's), (Start: 239 @19768 has 1 MA's), (272, 19855), (282, 19870), (301, 19918), (315, 19957), (363, 20044), (380, 20077), (404, 20113), (417, 20143), (418, 20149), (441, 20218), (483, 20248), (487, 20260), (488, 20263), (510, 20320), (587, 20452), (589, 20458), (617, 20524), (620, 20530), (626, 20554), (647, 20602), (659, 20626), (665, 20635), (695, 20710), (761, 20761), (772, 20776), (833, 20938), (841, 20965), (851, 20995), (890, 21100), (938, 21178), (947, 21214), (950, 21223), (959, 21256), (965, 21271),

Gene: Benedict_24 Start: 18978, Stop: 20777, Start Num: 145

Candidate Starts for Benedict_24:

(Start: 145 @18978 has 749 MA's), (304, 19215), (349, 19290), (361, 19305), (379, 19341), (419, 19413), (423, 19428), (434, 19461), (436, 19467), (516, 19662), (523, 19692), (527, 19698), (560, 19788), (587, 19833), (616, 19902), (629, 19944), (637, 19962), (674, 20022), (675, 20025), (708, 20118), (777, 20259), (795, 20295), (904, 20610), (907, 20619), (959, 20754),

Gene: BengiVuitton_29 Start: 20620, Stop: 22392, Start Num: 145

Candidate Starts for BengiVuitton_29:

(Start: 128 @20596 has 10 MA's), (Start: 145 @20620 has 749 MA's), (216, 20719), (303, 20854), (304, 20857), (347, 20929), (349, 20932), (381, 20986), (385, 20992), (407, 21025), (423, 21070), (434, 21103), (470, 21190), (504, 21271), (507, 21274), (520, 21316), (582, 21460), (617, 21547), (668, 21652), (675, 21667), (717, 21793), (720, 21799), (757, 21847), (802, 21925), (804, 21931), (821, 21985), (832, 22024), (836, 22039), (865, 22123), (907, 22234),

Gene: Benvolio_28 Start: 20292, Stop: 22064, Start Num: 145

Candidate Starts for Benvolio_28:

(Start: 128 @20268 has 10 MA's), (Start: 145 @20292 has 749 MA's), (216, 20391), (256, 20475), (303, 20526), (304, 20529), (347, 20601), (349, 20604), (381, 20658), (407, 20697), (434, 20775), (470, 20862), (504, 20943), (507, 20946), (617, 21219), (675, 21339), (717, 21465), (720, 21471), (757, 21519), (795, 21582), (802, 21597), (804, 21603), (821, 21657), (832, 21696), (836, 21711), (865, 21795), (907, 21906),

Gene: Bernal13_19 Start: 16980, Stop: 18686, Start Num: 166

Candidate Starts for Bernal13_19:

(95, 16872), (101, 16884), (Start: 166 @16980 has 28 MA's), (205, 17046), (252, 17121), (254, 17127), (297, 17211), (326, 17265), (350, 17310), (352, 17313), (391, 17379), (510, 17664), (616, 17886), (698, 18075), (787, 18213), (794, 18225), (862, 18402), (879, 18438), (944, 18603), (952, 18630), (965, 18669), (969, 18675),

Gene: Bethlehem_27 Start: 22379, Stop: 24181, Start Num: 148

Candidate Starts for Bethlehem_27:

(Start: 148 @22379 has 202 MA's), (Start: 166 @22400 has 28 MA's), (Start: 191 @22442 has 1 MA's), (215, 22487), (349, 22703), (376, 22748), (381, 22757), (425, 22847), (426, 22850), (463, 22943), (507, 23045), (528, 23114), (612, 23303), (616, 23315), (617, 23318), (623, 23339), (674, 23435), (675, 23438), (677, 23444), (701, 23513), (708, 23531), (710, 23540), (720, 23570), (779, 23666), (795, 23699), (802, 23714), (845, 23855), (865, 23912), (907, 24023),

Gene: BetterKatz_22 Start: 17603, Stop: 19309, Start Num: 187

Candidate Starts for BetterKatz_22:

(131, 17528), (Start: 187 @17603 has 15 MA's), (Start: 239 @17696 has 1 MA's), (244, 17711), (246, 17717), (275, 17792), (305, 17864), (359, 17975), (384, 18020), (395, 18038), (404, 18050), (486, 18221), (489, 18230), (491, 18236), (504, 18269), (523, 18332), (542, 18383), (564, 18407), (585, 18431), (616, 18506), (628, 18545), (691, 18677), (758, 18791), (808, 18878), (844, 18992), (847, 19001), (886, 19106), (936, 19193), (971, 19301),

Gene: Bexan_26 Start: 22101, Stop: 23903, Start Num: 148

Candidate Starts for Bexan_26:

(Start: 148 @22101 has 202 MA's), (Start: 166 @22122 has 28 MA's), (Start: 191 @22164 has 1 MA's), (215, 22209), (349, 22425), (376, 22470), (381, 22479), (407, 22518), (425, 22569), (426, 22572), (507, 22767), (528, 22836), (616, 23037), (617, 23040), (623, 23061), (674, 23157), (675, 23160), (677, 23166), (701, 23235), (708, 23253), (710, 23262), (720, 23292), (779, 23388), (795, 23421), (802, 23436), (810, 23466), (845, 23577), (865, 23634), (907, 23745),

Gene: BiPauneto_44 Start: 29578, Stop: 31182, Start Num: 268

Candidate Starts for BiPauneto_44:

(Start: 260 @29566 has 35 MA's), (Start: 266 @29575 has 1 MA's), (Start: 268 @29578 has 52 MA's), (Start: 288 @29602 has 1 MA's), (322, 29680), (424, 29863), (443, 29920), (447, 29932), (452, 29947), (484, 30013), (489, 30028), (497, 30052), (527, 30139), (530, 30145), (538, 30169), (572, 30229), (586, 30259), (594, 30280), (633, 30385), (643, 30406), (688, 30493), (704, 30541), (756, 30667), (780, 30703), (844, 30868), (850, 30886), (862, 30922), (943, 31096), (947, 31108), (964, 31165),

Gene: Bialota_19 Start: 17776, Stop: 19374, Start Num: 268

Candidate Starts for Bialota_19:

(Start: 268 @17776 has 52 MA's), (414, 18025), (418, 18034), (424, 18052), (425, 18055), (443, 18109), (472, 18184), (496, 18253), (499, 18262), (505, 18274), (509, 18286), (521, 18325), (529, 18352), (532, 18361), (534, 18364), (582, 18397), (605, 18454), (628, 18520), (683, 18631), (705, 18691), (745, 18793), (779, 18850), (813, 18940), (894, 19180), (932, 19258),

Gene: BiancaTri92_30 Start: 21973, Stop: 23745, Start Num: 145

Candidate Starts for BiancaTri92_30:

(Start: 128 @21949 has 10 MA's), (Start: 145 @21973 has 749 MA's), (Start: 239 @22108 has 1 MA's), (246, 22126), (303, 22207), (304, 22210), (347, 22282), (349, 22285), (381, 22339), (423, 22423), (434, 22456), (445, 22489), (470, 22543), (494, 22603), (504, 22624), (507, 22627), (582, 22813), (617, 22900), (629, 22939), (675, 23020), (717, 23146), (720, 23152), (731, 23176), (757, 23200), (795, 23263), (802, 23278), (804, 23284), (821, 23338), (832, 23377), (836, 23392), (907, 23587),

Gene: Bibwit_34 Start: 30470, Stop: 32233, Start Num: 107

Candidate Starts for Bibwit_34:

(100, 30452), (Start: 107 @30470 has 72 MA's), (Start: 126 @30506 has 1 MA's), (216, 30644), (259, 30740), (265, 30749), (319, 30818), (349, 30869), (376, 30914), (385, 30929), (425, 31010), (440, 31055), (443, 31064), (487, 31154), (495, 31184), (503, 31199), (506, 31208), (510, 31223), (520, 31253), (629, 31475), (644, 31493), (649, 31508), (668, 31538), (674, 31550), (675, 31553), (686, 31580), (845, 31904), (846, 31907), (862, 31955), (875, 31982), (884, 32009), (905, 32063), (912, 32087), (913, 32090), (951, 32180), (966, 32228),

Gene: Big3_27 Start: 21732, Stop: 23534, Start Num: 148

Candidate Starts for Big3_27:

(Start: 148 @21732 has 202 MA's), (Start: 166 @21753 has 28 MA's), (Start: 191 @21795 has 1 MA's), (215, 21840), (349, 22056), (376, 22101), (381, 22110), (407, 22149), (425, 22200), (426, 22203), (507, 22398), (528, 22467), (616, 22668), (617, 22671), (623, 22692), (674, 22788), (675, 22791), (677, 22797), (701, 22866), (708, 22884), (710, 22893), (720, 22923), (779, 23019), (795, 23052), (802, 23067), (845, 23208), (865, 23265), (907, 23376),

Gene: BigBubba_25 Start: 19509, Stop: 21188, Start Num: 137

Candidate Starts for BigBubba_25:

(Start: 137 @19509 has 84 MA's), (Start: 197 @19593 has 47 MA's), (Start: 239 @19671 has 1 MA's), (272, 19758), (282, 19773), (301, 19821), (315, 19860), (363, 19947), (380, 19980), (404, 20016), (417, 20046), (418, 20052), (441, 20121), (483, 20151), (487, 20163), (488, 20166), (510, 20223), (587, 20355), (589, 20361), (617, 20427), (620, 20433), (626, 20457), (647, 20505), (659, 20529), (665, 20538), (695, 20613), (761, 20664), (772, 20679), (833, 20841), (841, 20868), (851, 20898), (890, 21003), (938, 21081), (947, 21117), (950, 21126), (959, 21159), (965, 21174),

Gene: BigCheese_18 Start: 16989, Stop: 18722, Start Num: 165

Candidate Starts for BigCheese_18:

(Start: 165 @16989 has 28 MA's), (205, 17058), (274, 17199), (276, 17202), (306, 17247), (326, 17280), (329, 17289), (350, 17325), (379, 17379), (397, 17406), (405, 17418), (423, 17469), (425, 17475), (436, 17508), (500, 17661), (510, 17685), (512, 17694), (527, 17739), (533, 17754), (583, 17832), (626, 17952), (657, 18015), (691, 18087), (703, 18123), (783, 18243), (787, 18249), (794, 18261), (826, 18324), (854, 18411), (862, 18438), (890, 18507), (897, 18522), (905, 18534), (912, 18558), (944, 18636),

Gene: BigChungus_17 Start: 15461, Stop: 17155, Start Num: 145

Candidate Starts for BigChungus_17:

(Start: 135 @15458 has 8 MA's), (Start: 145 @15461 has 749 MA's), (213, 15560), (Start: 239 @15602 has 1 MA's), (265, 15671), (379, 15842), (423, 15929), (430, 15950), (433, 15959), (442, 15986), (463, 16031), (481, 16064), (486, 16079), (493, 16103), (506, 16136), (516, 16169), (520, 16181), (539, 16238), (582, 16286), (592, 16316), (606, 16346), (628, 16409), (654, 16460), (675, 16496), (680, 16511), (689, 16529), (708, 16586), (710, 16595), (796, 16715), (802, 16727), (828, 16775), (844, 16826), (845, 16829), (851, 16847), (881, 16925), (886, 16940), (890, 16952), (907, 16994), (961, 17141), (965, 17147),

Gene: BigMau_29 Start: 21333, Stop: 23135, Start Num: 148

Candidate Starts for BigMau_29:

(Start: 148 @21333 has 202 MA's), (Start: 166 @21354 has 28 MA's), (Start: 191 @21396 has 1 MA's), (215, 21441), (349, 21657), (376, 21702), (381, 21711), (407, 21750), (425, 21801), (426, 21804), (507, 21999), (528, 22068), (616, 22269), (617, 22272), (623, 22293), (674, 22389), (675, 22392), (677, 22398), (701, 22467), (708, 22485), (710, 22494), (720, 22524), (779, 22620), (795, 22653), (802, 22668), (845, 22809), (865, 22866), (907, 22977),

Gene: BigNuz_18 Start: 16129, Stop: 17865, Start Num: 129

Candidate Starts for BigNuz_18:

(Start: 129 @16129 has 45 MA's), (Start: 187 @16213 has 15 MA's), (247, 16327), (250, 16333), (256, 16354), (263, 16372), (279, 16405), (291, 16429), (363, 16588), (365, 16594), (422, 16708), (441, 16765), (470, 16804), (481, 16810), (489, 16834), (510, 16888), (513, 16900), (517, 16909), (537, 16969), (582, 17014), (586, 17026), (595, 17047), (612, 17086), (622, 17119), (626, 17131), (647, 17185), (659, 17209), (669, 17233), (686, 17263), (691, 17275), (782, 17377), (788, 17389), (794, 17398), (796, 17407), (830, 17515), (858, 17599), (898, 17698), (935, 17755), (965, 17854),

Gene: BigPaolini_28 Start: 21730, Stop: 23532, Start Num: 148

Candidate Starts for BigPaolini_28:

(Start: 148 @21730 has 202 MA's), (Start: 166 @21751 has 28 MA's), (Start: 191 @21793 has 1 MA's), (215, 21838), (349, 22054), (376, 22099), (381, 22108), (407, 22147), (425, 22198), (426, 22201), (507, 22396), (528, 22465), (616, 22666), (617, 22669), (623, 22690), (674, 22786), (675, 22789), (677, 22795), (701, 22864), (708, 22882), (710, 22891), (720, 22921), (779, 23017), (795, 23050), (802, 23065), (845, 23206), (865, 23263), (907, 23374), (966, 23527),

Gene: BigPhil_17 Start: 14635, Stop: 16344, Start Num: 132

Candidate Starts for BigPhil_17:

(Start: 132 @14635 has 199 MA's), (198, 14722), (Start: 228 @14767 has 2 MA's), (237, 14791), (277, 14896), (282, 14902), (290, 14920), (301, 14950), (349, 15055), (383, 15115), (398, 15136), (404, 15145), (415, 15169), (438, 15244), (439, 15247), (481, 15295), (486, 15310), (488, 15316), (501, 15352), (503, 15355), (509, 15367), (510, 15373), (523, 15421), (530, 15433), (531, 15439), (586, 15499), (590, 15511), (606, 15547), (612, 15559), (644, 15634), (647, 15643), (656, 15661), (659, 15667), (671, 15697), (755, 15802), (761, 15811), (764, 15814), (785, 15850), (813, 15928), (844, 16027), (851, 16048), (862, 16081), (877, 16111), (886, 16141), (889, 16150), (891, 16156), (905, 16171), (906, 16174), (916, 16198), (935, 16228), (940, 16240), (947, 16270), (959, 16312),

Gene: Bigfoot_26 Start: 20939, Stop: 22741, Start Num: 148

Candidate Starts for Bigfoot_26:

(Start: 148 @20939 has 202 MA's), (Start: 166 @20960 has 28 MA's), (Start: 191 @21002 has 1 MA's), (215, 21047), (349, 21263), (376, 21308), (381, 21317), (425, 21407), (426, 21410), (463, 21503), (507, 21605), (528, 21674), (612, 21863), (616, 21875), (617, 21878), (623, 21899), (674, 21995), (675, 21998), (677, 22004), (701, 22073), (708, 22091), (710, 22100), (720, 22130), (779, 22226), (795, 22259), (802, 22274), (810, 22304), (845, 22415), (865, 22472), (907, 22583),

Gene: Biglebops_19 Start: 16697, Stop: 18463, Start Num: 145

Candidate Starts for Biglebops_19:

(Start: 145 @16697 has 749 MA's), (Start: 150 @16703 has 25 MA's), (Start: 170 @16727 has 1 MA's), (Start: 239 @16853 has 1 MA's), (244, 16868), (251, 16886), (276, 16949), (338, 17084), (341, 17090), (404, 17198), (409, 17207), (443, 17312), (486, 17381), (488, 17387), (501, 17423), (508, 17435), (527, 17498), (586, 17600), (593, 17618), (612, 17660), (613, 17663), (666, 17768), (693, 17840), (758, 17948), (763, 17954), (797, 17999), (814, 18053), (823, 18074), (845, 18149), (862, 18200), (909, 18299), (917, 18314), (938, 18350), (950, 18395), (960, 18434), (961, 18437), (971, 18455),

Gene: BilboSwaggins_24 Start: 19830, Stop: 21425, Start Num: 197

Candidate Starts for BilboSwaggins_24:

(Start: 137 @19746 has 84 MA's), (Start: 197 @19830 has 47 MA's), (Start: 239 @19908 has 1 MA's), (272, 19995), (282, 20010), (301, 20058), (315, 20097), (363, 20184), (380, 20217), (404, 20253), (417, 20283), (418, 20289), (441, 20358), (483, 20388), (487, 20400), (488, 20403), (510, 20460), (587, 20592), (589, 20598), (617, 20664), (620, 20670), (626, 20694), (647, 20742), (659, 20766), (665, 20775), (695, 20850), (761, 20901), (772, 20916), (833, 21078), (841, 21105), (851, 21135), (890, 21240), (938, 21318), (947, 21354), (950, 21363), (959, 21396), (965, 21411),

Gene: BillDoor_20 Start: 15365, Stop: 17062, Start Num: 145

Candidate Starts for BillDoor_20:

(Start: 135 @15362 has 8 MA's), (Start: 145 @15365 has 749 MA's), (213, 15467), (Start: 220 @15479 has 45 MA's), (263, 15575), (328, 15659), (379, 15749), (415, 15809), (423, 15836), (433, 15866), (434, 15869), (463, 15938), (481, 15971), (485, 15983), (486, 15986), (492, 16007), (493, 16010), (516, 16076), (520, 16088), (606, 16253), (675, 16403), (680, 16418), (689, 16436), (708, 16493), (802, 16634), (804, 16640), (807, 16652), (818, 16661), (844, 16733), (845, 16736), (847, 16742), (851, 16754), (886, 16847), (890, 16859), (893, 16868), (907, 16901),

Gene: BillKnuckles_28 Start: 21817, Stop: 23619, Start Num: 148

Candidate Starts for BillKnuckles_28:

(Start: 148 @21817 has 202 MA's), (Start: 166 @21838 has 28 MA's), (Start: 191 @21880 has 1 MA's), (215, 21925), (349, 22141), (376, 22186), (381, 22195), (407, 22234), (425, 22285), (436, 22318), (507, 22483), (528, 22552), (616, 22753), (617, 22756), (623, 22777), (674, 22873), (675, 22876), (677, 22882), (701, 22951), (708, 22969), (710, 22978), (720, 23008), (779, 23104), (795, 23137), (802, 23152), (845, 23293), (865, 23350), (907, 23461),

Gene: Bipolar_16 Start: 14807, Stop: 16516, Start Num: 132

Candidate Starts for Bipolar_16:

(Start: 132 @14807 has 199 MA's), (198, 14894), (Start: 228 @14939 has 2 MA's), (237, 14963), (277, 15068), (282, 15074), (290, 15092), (301, 15122), (349, 15227), (383, 15287), (398, 15308), (404, 15317), (415, 15341), (438, 15416), (439, 15419), (481, 15467), (486, 15482), (488, 15488), (501, 15524), (503, 15527), (509, 15539), (510, 15545), (523, 15593), (530, 15605), (531, 15611), (586, 15671), (590, 15683), (606, 15719), (612, 15731), (613, 15734), (644, 15806), (647, 15815), (656, 15833), (659, 15839), (671, 15869), (755, 15974), (761, 15983), (764, 15986), (785, 16022), (813, 16100), (844, 16199), (851, 16220), (862, 16253), (886, 16313), (889, 16322), (891, 16328), (905, 16343), (906, 16346), (916, 16370), (935, 16400), (940, 16412), (947, 16442), (959, 16484),

Gene: Bipper_24 Start: 19740, Stop: 21590, Start Num: 102

Candidate Starts for Bipper_24:

(Start: 102 @19740 has 4 MA's), (Start: 126 @19785 has 1 MA's), (199, 19884), (222, 19920), (236, 19950), (244, 19974), (261, 20025), (263, 20028), (307, 20127), (308, 20130), (380, 20268), (393, 20289), (410, 20319), (413, 20325), (425, 20364), (447, 20430), (483, 20472), (488, 20487), (504, 20529), (517, 20565), (520, 20574), (523, 20592), (546, 20652), (550, 20658), (552, 20661), (566, 20691), (585, 20724), (586, 20727), (600, 20754), (622, 20820), (754, 21069), (826, 21216), (849, 21288), (865, 21333), (877, 21357), (879, 21363), (935, 21471), (960, 21561), (961, 21564),

Gene: Bircsak_27 Start: 21589, Stop: 23391, Start Num: 148

Candidate Starts for Bircsak_27:

(Start: 148 @21589 has 202 MA's), (Start: 166 @21610 has 28 MA's), (Start: 191 @21652 has 1 MA's), (215, 21697), (349, 21913), (376, 21958), (381, 21967), (425, 22057), (426, 22060), (434, 22084), (507, 22255), (528, 22324), (616, 22525), (617, 22528), (623, 22549), (674, 22645), (675, 22648), (677, 22654), (701, 22723), (708, 22741), (710, 22750), (720, 22780), (779, 22876), (795, 22909), (802, 22924), (845, 23065), (865, 23122), (907, 23233),

Gene: Birdsong_19 Start: 16293, Stop: 18002, Start Num: 145

Candidate Starts for Birdsong_19:

(Start: 145 @16293 has 749 MA's), (Start: 156 @16305 has 4 MA's), (158, 16308), (Start: 220 @16410 has 45 MA's), (241, 16446), (265, 16512), (361, 16656), (365, 16665), (376, 16683), (403, 16725), (407, 16731), (417, 16755), (423, 16779), (440, 16830), (442, 16836), (451, 16866), (479, 16908), (487, 16929), (489, 16935), (495, 16959), (516, 17010), (517, 17013), (525, 17043), (612, 17193), (623, 17229), (686, 17355), (708, 17421), (710, 17430), (713, 17442), (716, 17451), (787, 17544), (796, 17565), (802, 17577), (804, 17583), (805, 17589), (807, 17595), (835, 17649), (845, 17679), (870, 17748), (905, 17835), (907, 17841), (934, 17892), (959, 17979), (966, 17997),

Gene: Biskit_19 Start: 15377, Stop: 17077, Start Num: 135

Candidate Starts for Biskit_19:

(Start: 121 @15350 has 1 MA's), (Start: 135 @15377 has 8 MA's), (Start: 145 @15380 has 749 MA's), (263, 15590), (376, 15758), (379, 15764), (430, 15872), (433, 15881), (442, 15908), (451, 15938), (463, 15953), (481, 15986), (485, 15998), (495, 16034), (516, 16091), (520, 16103), (606, 16268), (675, 16418), (680, 16433), (689, 16451), (708, 16508), (796, 16637), (802, 16649), (807, 16667), (818, 16676), (844, 16748), (845, 16751), (847, 16757), (851, 16769), (890, 16874), (893, 16883),

(907, 16916),

Gene: Bizzy_35 Start: 29879, Stop: 31642, Start Num: 107

Candidate Starts for Bizzy_35:

(Start: 107 @29879 has 72 MA's), (Start: 126 @29915 has 1 MA's), (210, 30044), (216, 30053), (259, 30149), (265, 30158), (319, 30227), (349, 30278), (376, 30323), (385, 30338), (397, 30356), (425, 30419), (440, 30464), (443, 30473), (493, 30584), (495, 30593), (503, 30608), (506, 30617), (510, 30632), (520, 30662), (629, 30884), (644, 30902), (649, 30917), (674, 30959), (675, 30962), (686, 30989), (732, 31109), (845, 31313), (846, 31316), (862, 31364), (875, 31391), (884, 31418), (905, 31472), (913, 31499),

Gene: Bjaner7_17 Start: 14751, Stop: 16460, Start Num: 269

Candidate Starts for Bjaner7_17:

(208, 14616), (Start: 269 @14751 has 31 MA's), (359, 14940), (361, 14943), (405, 15018), (429, 15072), (452, 15141), (459, 15153), (489, 15231), (490, 15234), (532, 15366), (547, 15420), (567, 15471), (581, 15501), (605, 15561), (610, 15573), (628, 15609), (688, 15726), (694, 15744), (707, 15783), (745, 15879), (803, 15987), (893, 16263), (894, 16266), (918, 16314), (932, 16344),

Gene: Blackbeetle_50 Start: 26718, Stop: 28430, Start Num: 166

Candidate Starts for Blackbeetle_50:

(120, 26655), (Start: 166 @26718 has 28 MA's), (211, 26799), (246, 26856), (276, 26937), (281, 26943), (317, 27000), (323, 27012), (329, 27024), (352, 27063), (363, 27078), (403, 27147), (423, 27201), (426, 27210), (491, 27366), (510, 27414), (512, 27423), (516, 27432), (528, 27471), (535, 27486), (583, 27549), (587, 27561), (629, 27678), (631, 27681), (657, 27732), (673, 27759), (675, 27762), (682, 27783), (698, 27825), (777, 27945), (787, 27963), (847, 28107), (862, 28152), (871, 28170), (904, 28254), (907, 28263), (912, 28281), (925, 28302), (944, 28347), (946, 28353), (950, 28365), (953, 28377), (957, 28389), (965, 28413), (969, 28419),

Gene: Blackmoor_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Blackmoor_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Blarby_20 Start: 14264, Stop: 15928, Start Num: 150

Candidate Starts for Blarby_20:

(Start: 150 @14264 has 25 MA's), (204, 14345), (Start: 220 @14375 has 45 MA's), (240, 14408), (265, 14474), (306, 14513), (310, 14525), (323, 14549), (358, 14606), (360, 14609), (376, 14639), (377, 14642), (407, 14687), (415, 14705), (426, 14741), (440, 14783), (495, 14915), (501, 14927), (503, 14930), (506, 14939), (516, 14972), (520, 14984), (527, 15008), (675, 15281), (679, 15293), (700, 15338), (708, 15359), (844, 15599), (845, 15602), (846, 15605), (907, 15767), (915, 15791), (943, 15851), (961, 15914),

Gene: Blessica_57 Start: 33788, Stop: 35524, Start Num: 118

Candidate Starts for Blessica_57:

(Start: 113 @33779 has 2 MA's), (Start: 118 @33788 has 26 MA's), (180, 33878), (244, 33995), (256, 34031), (265, 34052), (277, 34079), (282, 34085), (295, 34115), (303, 34139), (328, 34190), (404, 34328), (408, 34334), (424, 34385), (425, 34388), (431, 34406), (481, 34457), (488, 34478), (489, 34481), (509, 34529), (510, 34535), (523, 34583), (527, 34589), (530, 34595), (575, 34655), (586,

34679), (587, 34682), (606, 34727), (613, 34742), (616, 34751), (620, 34760), (636, 34805), (647, 34823), (665, 34856), (764, 34994), (777, 35015), (806, 35081), (814, 35111), (830, 35165), (844, 35207), (851, 35228), (858, 35249), (862, 35261), (872, 35282), (891, 35336), (938, 35414), (947, 35450), (953, 35471), (960, 35498),

Gene: Blexus_16 Start: 14994, Stop: 16703, Start Num: 132

Candidate Starts for Blexus_16:

(Start: 132 @14994 has 199 MA's), (198, 15081), (Start: 228 @15126 has 2 MA's), (237, 15150), (256, 15207), (277, 15255), (282, 15261), (290, 15279), (301, 15309), (349, 15414), (383, 15474), (398, 15495), (404, 15504), (415, 15528), (481, 15654), (486, 15669), (488, 15675), (501, 15711), (503, 15714), (509, 15726), (510, 15732), (523, 15780), (530, 15792), (531, 15798), (586, 15858), (590, 15870), (606, 15906), (612, 15918), (644, 15993), (647, 16002), (656, 16020), (659, 16026), (671, 16056), (755, 16161), (764, 16173), (785, 16209), (813, 16287), (844, 16386), (851, 16407), (862, 16440), (877, 16470), (886, 16500), (889, 16509), (891, 16515), (905, 16530), (906, 16533), (914, 16554), (916, 16557), (940, 16599), (947, 16629), (959, 16671),

Gene: BlingBling_19 Start: 16650, Stop: 18296, Start Num: 220

Candidate Starts for BlingBling_19:

(196, 16614), (Start: 220 @16650 has 45 MA's), (261, 16752), (295, 16830), (296, 16833), (337, 16929), (355, 16968), (404, 17049), (423, 17103), (428, 17118), (510, 17289), (520, 17319), (620, 17502), (626, 17526), (627, 17529), (658, 17577), (695, 17670), (700, 17682), (738, 17727), (747, 17742), (809, 17874), (810, 17877), (841, 17976), (847, 17994), (865, 18045), (890, 18111), (927, 18174), (935, 18186),

Gene: Blinn1_31 Start: 20042, Stop: 21814, Start Num: 145

Candidate Starts for Blinn1_31:

(103, 19976), (Start: 128 @20018 has 10 MA's), (Start: 145 @20042 has 749 MA's), (240, 20180), (261, 20240), (303, 20276), (304, 20279), (347, 20351), (349, 20354), (381, 20408), (385, 20414), (415, 20465), (434, 20525), (436, 20531), (448, 20570), (470, 20612), (488, 20651), (504, 20693), (507, 20696), (523, 20756), (624, 20993), (629, 21008), (675, 21089), (706, 21176), (720, 21221), (802, 21347), (821, 21407), (832, 21446), (833, 21449), (836, 21461), (865, 21545), (905, 21650), (907, 21656), (959, 21791),

Gene: Blino_19 Start: 16618, Stop: 18264, Start Num: 220

Candidate Starts for Blino_19:

(196, 16582), (Start: 220 @16618 has 45 MA's), (261, 16720), (295, 16798), (296, 16801), (337, 16897), (355, 16936), (404, 17017), (423, 17071), (428, 17086), (510, 17257), (520, 17287), (620, 17470), (626, 17494), (658, 17545), (695, 17638), (700, 17650), (738, 17695), (747, 17710), (809, 17842), (810, 17845), (841, 17944), (847, 17962), (865, 18013), (888, 18073), (890, 18079), (927, 18142), (935, 18154),

Gene: Blizzard_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Blizzard_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: BluSpix_27 Start: 21113, Stop: 22915, Start Num: 148

Candidate Starts for BluSpix_27:

(Start: 148 @21113 has 202 MA's), (Start: 166 @21134 has 28 MA's), (Start: 191 @21176 has 1 MA's), (215, 21221), (349, 21437), (376, 21482), (381, 21491), (425, 21581), (426, 21584), (463, 21677), (507, 21779), (528, 21848), (616, 22049), (617, 22052), (623, 22073), (674, 22169), (675, 22172), (677, 22178), (701, 22247), (708, 22265), (710, 22274), (720, 22304), (779, 22400), (795, 22433), (802, 22448), (845, 22589), (865, 22646), (907, 22757),

Gene: Blue_27 Start: 21585, Stop: 23387, Start Num: 148

Candidate Starts for Blue_27:

(Start: 148 @21585 has 202 MA's), (Start: 166 @21606 has 28 MA's), (Start: 191 @21648 has 1 MA's), (215, 21693), (349, 21909), (376, 21954), (381, 21963), (425, 22053), (426, 22056), (463, 22149), (507, 22251), (528, 22320), (616, 22521), (617, 22524), (623, 22545), (674, 22641), (675, 22644), (677, 22650), (701, 22719), (708, 22737), (710, 22746), (720, 22776), (779, 22872), (795, 22905), (802, 22920), (845, 23061), (865, 23118), (907, 23229),

Gene: Blue7_31 Start: 19963, Stop: 21735, Start Num: 145

Candidate Starts for Blue7_31:

(103, 19897), (Start: 128 @19939 has 10 MA's), (Start: 145 @19963 has 749 MA's), (304, 20200), (347, 20272), (349, 20275), (361, 20290), (381, 20329), (385, 20335), (434, 20446), (436, 20452), (448, 20491), (470, 20533), (488, 20572), (504, 20614), (507, 20617), (560, 20773), (624, 20914), (629, 20929), (720, 21142), (791, 21241), (802, 21268), (817, 21319), (821, 21328), (832, 21367), (836, 21382), (865, 21466), (905, 21571), (907, 21577), (959, 21712),

Gene: BlueBird_28 Start: 19904, Stop: 21700, Start Num: 145

Candidate Starts for BlueBird_28:

(Start: 145 @19904 has 749 MA's), (Start: 191 @19961 has 1 MA's), (233, 20030), (297, 20132), (303, 20144), (304, 20147), (349, 20222), (361, 20237), (381, 20276), (440, 20411), (470, 20480), (516, 20594), (560, 20720), (616, 20834), (623, 20858), (629, 20876), (675, 20957), (701, 21032), (708, 21050), (710, 21059), (717, 21083), (720, 21089), (729, 21104), (749, 21137), (777, 21182), (779, 21185), (791, 21206), (795, 21218), (798, 21224), (815, 21281), (865, 21431), (877, 21455), (905, 21536), (907, 21542), (959, 21677),

Gene: BlueCrab_16 Start: 14976, Stop: 16685, Start Num: 132

Candidate Starts for BlueCrab_16:

(Start: 132 @14976 has 199 MA's), (198, 15063), (Start: 228 @15108 has 2 MA's), (237, 15132), (277, 15237), (282, 15243), (290, 15261), (301, 15291), (349, 15396), (383, 15456), (398, 15477), (404, 15486), (415, 15510), (481, 15636), (486, 15651), (488, 15657), (501, 15693), (503, 15696), (509, 15708), (510, 15714), (523, 15762), (530, 15774), (531, 15780), (586, 15840), (590, 15852), (606, 15888), (612, 15900), (644, 15975), (647, 15984), (656, 16002), (659, 16008), (671, 16038), (755, 16143), (761, 16152), (764, 16155), (785, 16191), (813, 16269), (844, 16368), (851, 16389), (862, 16422), (877, 16452), (886, 16482), (889, 16491), (891, 16497), (905, 16512), (906, 16515), (914, 16536), (916, 16539), (940, 16581), (947, 16611), (959, 16653),

Gene: BlueNGold_100 Start: 60020, Stop: 61648, Start Num: 181

Candidate Starts for BlueNGold_100:

(Start: 181 @60020 has 4 MA's), (194, 60035), (Start: 197 @60038 has 47 MA's), (210, 60065), (Start: 239 @60122 has 1 MA's), (252, 60158), (263, 60191), (279, 60221), (282, 60224), (308, 60293), (309, 60299), (402, 60464), (419, 60506), (422, 60515), (424, 60524), (428, 60536), (500, 60656), (586, 60809), (612, 60869), (676, 61016), (686, 61037), (691, 61052), (768, 61130), (772, 61136), (820, 61253), (824, 61268), (841, 61325), (851, 61355), (862, 61388), (917, 61508), (965, 61637),

Gene: Blueberry_21 Start: 16962, Stop: 18611, Start Num: 220

Candidate Starts for Blueberry_21:

(196, 16926), (Start: 220 @16962 has 45 MA's), (Start: 228 @16971 has 2 MA's), (261, 17067), (295, 17145), (324, 17217), (337, 17244), (355, 17283), (404, 17364), (423, 17418), (510, 17604), (520, 17634), (585, 17733), (620, 17817), (626, 17841), (658, 17892), (695, 17985), (700, 17997), (738, 18042), (747, 18057), (809, 18189), (810, 18192), (841, 18291), (847, 18309), (865, 18360), (888, 18420), (890, 18426), (935, 18501),

Gene: Bluefalcon_23 Start: 19814, Stop: 21613, Start Num: 145

Candidate Starts for Bluefalcon_23:

(Start: 145 @19814 has 749 MA's), (240, 19952), (304, 20051), (349, 20126), (379, 20177), (419, 20249), (423, 20264), (434, 20297), (436, 20303), (478, 20396), (516, 20498), (523, 20528), (527, 20534), (560, 20624), (582, 20654), (612, 20726), (616, 20738), (617, 20741), (629, 20780), (637, 20798), (674, 20858), (675, 20861), (694, 20912), (708, 20954), (777, 21095), (798, 21137), (907, 21455), (959, 21590),

Gene: Bob3_26 Start: 20673, Stop: 22475, Start Num: 148

Candidate Starts for Bob3_26:

(Start: 148 @20673 has 202 MA's), (Start: 166 @20694 has 28 MA's), (Start: 191 @20736 has 1 MA's), (215, 20781), (349, 20997), (376, 21042), (381, 21051), (407, 21090), (425, 21141), (426, 21144), (507, 21339), (528, 21408), (616, 21609), (617, 21612), (623, 21633), (674, 21729), (675, 21732), (677, 21738), (701, 21807), (708, 21825), (710, 21834), (720, 21864), (779, 21960), (795, 21993), (802, 22008), (845, 22149), (865, 22206), (907, 22317),

Gene: BobBob_32 Start: 29751, Stop: 31514, Start Num: 107

Candidate Starts for BobBob_32:

(100, 29733), (Start: 107 @29751 has 72 MA's), (Start: 126 @29787 has 1 MA's), (216, 29925), (259, 30021), (265, 30030), (319, 30099), (349, 30150), (376, 30195), (385, 30210), (425, 30291), (440, 30336), (443, 30345), (487, 30435), (495, 30465), (503, 30480), (510, 30504), (520, 30534), (586, 30639), (629, 30756), (644, 30774), (649, 30789), (668, 30819), (674, 30831), (675, 30834), (686, 30861), (845, 31185), (846, 31188), (862, 31236), (875, 31263), (884, 31290), (905, 31344), (913, 31371), (966, 31509),

Gene: BobSwaget_31 Start: 21794, Stop: 23590, Start Num: 128

Candidate Starts for BobSwaget_31:

(Start: 128 @21794 has 10 MA's), (Start: 145 @21818 has 749 MA's), (256, 22001), (303, 22052), (304, 22055), (347, 22127), (349, 22130), (381, 22184), (407, 22223), (434, 22301), (470, 22388), (504, 22469), (507, 22472), (520, 22514), (582, 22658), (609, 22721), (617, 22745), (629, 22784), (675, 22865), (720, 22997), (795, 23108), (802, 23123), (804, 23129), (821, 23183), (832, 23222), (836, 23237), (847, 23270), (865, 23321), (894, 23399), (905, 23426), (907, 23432), (935, 23486),

Gene: BobaPhett_16 Start: 14804, Stop: 16513, Start Num: 132

Candidate Starts for BobaPhett_16:

(Start: 132 @14804 has 199 MA's), (198, 14891), (Start: 228 @14936 has 2 MA's), (237, 14960), (256, 15017), (277, 15065), (282, 15071), (290, 15089), (301, 15119), (349, 15224), (379, 15278), (383, 15284), (389, 15293), (404, 15314), (415, 15338), (425, 15374), (427, 15380), (438, 15413), (439, 15416), (442, 15425), (459, 15440), (467, 15446), (481, 15464), (486, 15479), (488, 15485), (493, 15503), (494, 15506), (501, 15521), (509, 15536), (510, 15542), (523, 15590), (530, 15602), (531, 15608), (586, 15668), (590, 15680), (606, 15716), (612, 15728), (644, 15803), (647, 15812), (656, 15830), (659, 15836), (671, 15866), (755, 15971), (764, 15983), (785, 16019), (813, 16097), (851, 16217), (862, 16250), (877, 16280), (880, 16292), (886, 16310), (888, 16316), (889, 16319), (891, 16325), (905, 16340), (906, 16343), (914, 16364), (916, 16367), (940, 16409), (947, 16439), (959, 16481), (960, 16487),

Gene: Bobby_38 Start: 28176, Stop: 30174, Start Num: 133

Candidate Starts for Bobby_38:

(Start: 133 @28176 has 29 MA's), (Start: 197 @28266 has 47 MA's), (223, 28314), (237, 28344), (247, 28371), (291, 28473), (302, 28503), (321, 28554), (345, 28602), (365, 28638), (367, 28644), (380, 28665), (418, 28737), (421, 28746), (427, 28767), (488, 28875), (489, 28878), (493, 28893), (510, 28932), (523, 28980), (530, 28992), (531, 28998), (573, 29046), (579, 29055), (587, 29076), (595, 29094), (615, 29142), (656, 29244), (691, 29316), (706, 29361), (709, 29373), (726, 29508), (727, 29514), (728, 29538), (740, 29610), (754, 29637), (852, 29886),

Gene: Bobi_18 Start: 15396, Stop: 17105, Start Num: 132

Candidate Starts for Bobi_18:

(Start: 132 @15396 has 199 MA's), (198, 15483), (Start: 228 @15528 has 2 MA's), (237, 15552), (277, 15657), (282, 15663), (290, 15681), (301, 15711), (349, 15816), (383, 15876), (398, 15897), (404, 15906), (415, 15930), (481, 16056), (486, 16071), (488, 16077), (501, 16113), (503, 16116), (509, 16128), (510, 16134), (523, 16182), (530, 16194), (531, 16200), (586, 16260), (590, 16272), (606, 16308), (612, 16320), (644, 16395), (647, 16404), (656, 16422), (659, 16428), (671, 16458), (755, 16563), (761, 16572), (764, 16575), (785, 16611), (813, 16689), (844, 16788), (851, 16809), (862, 16842), (877, 16872), (886, 16902), (889, 16911), (891, 16917), (905, 16932), (906, 16935), (916, 16959), (935, 16989), (940, 17001), (947, 17031), (959, 17073),

Gene: BobsGarage_18 Start: 16989, Stop: 18722, Start Num: 165

Candidate Starts for BobsGarage_18:

(Start: 165 @16989 has 28 MA's), (205, 17058), (274, 17199), (276, 17202), (306, 17247), (326, 17280), (329, 17289), (350, 17325), (379, 17379), (397, 17406), (405, 17418), (423, 17469), (425, 17475), (436, 17508), (500, 17661), (510, 17685), (512, 17694), (527, 17739), (533, 17754), (583, 17832), (626, 17952), (657, 18015), (691, 18087), (703, 18123), (783, 18243), (787, 18249), (794, 18261), (826, 18324), (854, 18411), (862, 18438), (890, 18507), (897, 18522), (905, 18534), (912, 18558), (944, 18636),

Gene: Bock_22 Start: 17353, Stop: 19059, Start Num: 187

Candidate Starts for Bock_22:

(131, 17278), (Start: 187 @17353 has 15 MA's), (Start: 239 @17446 has 1 MA's), (244, 17461), (246, 17467), (275, 17542), (305, 17614), (359, 17725), (384, 17770), (395, 17788), (404, 17800), (446, 17920), (486, 17971), (489, 17980), (491, 17986), (504, 18019), (523, 18082), (542, 18133), (564, 18157), (585, 18181), (616, 18256), (628, 18295), (691, 18427), (758, 18541), (808, 18628), (844, 18742), (847, 18751), (886, 18856), (936, 18943), (971, 19051),

Gene: BodEinwohner17_16 Start: 14976, Stop: 16685, Start Num: 132

Candidate Starts for BodEinwohner17_16:

(Start: 132 @14976 has 199 MA's), (198, 15063), (Start: 228 @15108 has 2 MA's), (237, 15132), (277, 15237), (282, 15243), (290, 15261), (301, 15291), (349, 15396), (383, 15456), (398, 15477), (404, 15486), (415, 15510), (481, 15636), (486, 15651), (488, 15657), (501, 15693), (503, 15696), (509, 15708), (510, 15714), (523, 15762), (530, 15774), (531, 15780), (586, 15840), (590, 15852), (606, 15888), (612, 15900), (644, 15975), (647, 15984), (656, 16002), (659, 16008), (671, 16038), (755, 16143), (764, 16155), (785, 16191), (813, 16269), (844, 16368), (851, 16389), (862, 16422), (877, 16452), (886, 16482), (889, 16491), (891, 16497), (905, 16512), (906, 16515), (914, 16536), (916, 16539), (940, 16581), (947, 16611), (959, 16653),

Gene: Bogie_18 Start: 16084, Stop: 17844, Start Num: 114

Candidate Starts for Bogie_18:

(Start: 114 @16084 has 2 MA's), (Start: 129 @16108 has 45 MA's), (174, 16168), (185, 16189), (Start: 187 @16192 has 15 MA's), (250, 16312), (263, 16351), (279, 16384), (291, 16408), (341, 16528), (363, 16567), (365, 16573), (411, 16657), (415, 16663), (418, 16675), (425, 16699), (434, 16726), (441, 16744), (470, 16783), (481, 16789), (489, 16813), (510, 16867), (513, 16879), (517, 16888),

(537, 16948), (595, 17026), (612, 17065), (622, 17098), (647, 17164), (654, 17179), (659, 17188), (669, 17212), (686, 17242), (691, 17254), (782, 17356), (788, 17368), (791, 17371), (794, 17377), (796, 17386), (830, 17494), (858, 17578), (898, 17677), (950, 17785), (965, 17833),

Gene: BogosyJay_29 Start: 21309, Stop: 23099, Start Num: 145

Candidate Starts for BogosyJay_29:

(Start: 128 @21285 has 10 MA's), (Start: 145 @21309 has 749 MA's), (303, 21543), (304, 21546), (347, 21618), (349, 21621), (361, 21636), (381, 21675), (385, 21681), (423, 21759), (434, 21792), (470, 21879), (504, 21960), (507, 21963), (551, 22089), (609, 22212), (613, 22224), (617, 22236), (620, 22242), (629, 22275), (675, 22356), (717, 22482), (749, 22536), (752, 22542), (779, 22584), (783, 22593), (795, 22617), (802, 22632), (808, 22656), (821, 22692), (832, 22731), (836, 22746), (865, 22830), (905, 22935), (907, 22941), (928, 22986), (950, 23043),

Gene: Boiiii_23 Start: 17190, Stop: 18956, Start Num: 145

Candidate Starts for Boiiii_23:

(Start: 145 @17190 has 749 MA's), (Start: 170 @17220 has 1 MA's), (251, 17379), (261, 17412), (276, 17442), (291, 17475), (298, 17487), (338, 17577), (361, 17619), (404, 17691), (409, 17700), (422, 17739), (436, 17784), (443, 17805), (444, 17808), (482, 17862), (488, 17880), (504, 17922), (508, 17928), (516, 17955), (586, 18093), (593, 18111), (612, 18153), (619, 18171), (628, 18201), (647, 18228), (693, 18333), (797, 18492), (809, 18528), (820, 18558), (823, 18567), (845, 18642), (862, 18693), (950, 18888), (960, 18927), (961, 18930), (971, 18948),

Gene: Boilgate_20 Start: 17568, Stop: 19349, Start Num: 145

Candidate Starts for Boilgate_20:

(Start: 138 @17559 has 25 MA's), (Start: 143 @17565 has 53 MA's), (Start: 145 @17568 has 749 MA's), (199, 17631), (222, 17667), (244, 17721), (261, 17772), (276, 17802), (336, 17931), (338, 17937), (341, 17943), (357, 17973), (395, 18039), (404, 18051), (482, 18222), (488, 18240), (508, 18288), (516, 18315), (520, 18327), (527, 18351), (586, 18453), (587, 18456), (612, 18513), (620, 18534), (623, 18549), (640, 18588), (669, 18657), (693, 18717), (758, 18825), (781, 18861), (797, 18885), (820, 18951), (823, 18960), (841, 19023), (845, 19035), (865, 19092), (882, 19134), (897, 19170), (947, 19272), (960, 19320), (971, 19341),

Gene: Bombitas_33 Start: 26624, Stop: 28357, Start Num: 133

Candidate Starts for Bombitas_33:

(Start: 133 @26624 has 29 MA's), (Start: 197 @26714 has 47 MA's), (223, 26762), (237, 26792), (247, 26819), (291, 26921), (302, 26951), (345, 27050), (365, 27086), (367, 27092), (380, 27113), (418, 27185), (421, 27194), (427, 27215), (467, 27284), (488, 27323), (489, 27326), (493, 27341), (510, 27380), (523, 27428), (530, 27440), (531, 27446), (573, 27494), (579, 27503), (587, 27524), (595, 27542), (615, 27590), (656, 27692), (686, 27752), (691, 27764), (772, 27848), (779, 27860), (782, 27866), (788, 27878), (791, 27881), (805, 27920), (810, 27938), (823, 27974), (824, 27980), (851, 28067), (885, 28157), (909, 28199), (919, 28217), (936, 28247), (948, 28289), (965, 28343),

Gene: Bombshell_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Bombshell_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Bonamassa_24 Start: 19658, Stop: 21454, Start Num: 145

Candidate Starts for Bonamassa_24:

(Start: 145 @19658 has 749 MA's), (Start: 220 @19763 has 45 MA's), (240, 19796), (304, 19895), (349, 19970), (361, 19985), (379, 20021), (419, 20093), (423, 20108), (436, 20147), (445, 20174), (451, 20195), (476, 20234), (523, 20372), (527, 20378), (587, 20513), (612, 20570), (613, 20573), (616, 20582), (629, 20624), (637, 20642), (674, 20702), (675, 20705), (708, 20798), (710, 20807), (717, 20831), (777, 20939), (795, 20975), (865, 21185), (904, 21287), (907, 21296), (953, 21410), (959, 21431), (961, 21440),

Gene: Bonanza_23 Start: 16308, Stop: 17948, Start Num: 162

Candidate Starts for Bonanza_23:

(Start: 162 @16308 has 3 MA's), (Start: 173 @16323 has 32 MA's), (210, 16392), (236, 16428), (349, 16614), (421, 16743), (434, 16785), (443, 16812), (450, 16836), (463, 16854), (481, 16884), (486, 16899), (507, 16950), (535, 17034), (609, 17151), (617, 17175), (674, 17289), (692, 17337), (701, 17367), (713, 17406), (717, 17418), (757, 17448), (802, 17526), (860, 17673), (870, 17697), (884, 17733), (900, 17772), (965, 17940),

Gene: Bones_27 Start: 21039, Stop: 22841, Start Num: 148

Candidate Starts for Bones_27:

(Start: 148 @21039 has 202 MA's), (Start: 166 @21060 has 28 MA's), (Start: 191 @21102 has 1 MA's), (215, 21147), (349, 21363), (376, 21408), (381, 21417), (425, 21507), (426, 21510), (507, 21705), (528, 21774), (612, 21963), (616, 21975), (617, 21978), (623, 21999), (674, 22095), (675, 22098), (677, 22104), (701, 22173), (708, 22191), (710, 22200), (720, 22230), (779, 22326), (795, 22359), (802, 22374), (845, 22515), (865, 22572), (907, 22683), (966, 22836),

Gene: Bongo_28 Start: 22368, Stop: 24104, Start Num: 147

Candidate Starts for Bongo_28:

(66, 22146), (Start: 115 @22326 has 3 MA's), (Start: 124 @22341 has 2 MA's), (Start: 147 @22368 has 14 MA's), (Start: 166 @22383 has 28 MA's), (189, 22422), (205, 22452), (207, 22458), (215, 22470), (271, 22575), (274, 22590), (303, 22629), (372, 22752), (376, 22761), (423, 22857), (437, 22899), (438, 22902), (510, 23079), (552, 23190), (583, 23217), (609, 23289), (612, 23298), (613, 23301), (617, 23313), (674, 23433), (675, 23436), (691, 23478), (700, 23508), (703, 23514), (783, 23634), (787, 23640), (936, 23994), (944, 24021), (950, 24039), (952, 24048),

Gene: Bonum_44 Start: 30146, Stop: 31762, Start Num: 260

Candidate Starts for Bonum_44:

(Start: 260 @30146 has 35 MA's), (322, 30260), (365, 30344), (452, 30527), (484, 30593), (489, 30608), (497, 30632), (527, 30719), (538, 30749), (539, 30752), (572, 30809), (604, 30881), (643, 30986), (688, 31073), (704, 31121), (756, 31247), (780, 31283), (827, 31394), (851, 31469), (935, 31646), (947, 31688), (964, 31745),

Gene: Boohoo_30 Start: 19096, Stop: 20883, Start Num: 145

Candidate Starts for Boohoo_30:

(103, 19030), (Start: 128 @19072 has 10 MA's), (Start: 145 @19096 has 749 MA's), (240, 19234), (259, 19291), (304, 19333), (328, 19369), (349, 19408), (391, 19477), (407, 19501), (426, 19555), (488, 19705), (507, 19750), (516, 19780), (527, 19816), (543, 19867), (559, 19903), (587, 19951), (613, 20011), (674, 20140), (701, 20218), (802, 20419), (804, 20425), (833, 20521), (892, 20686), (938, 20785),

Gene: Boomer_17 Start: 14621, Stop: 16330, Start Num: 132

Candidate Starts for Boomer_17:

(Start: 132 @14621 has 199 MA's), (198, 14708), (Start: 228 @14753 has 2 MA's), (237, 14777), (256, 14834), (277, 14882), (282, 14888), (290, 14906), (301, 14936), (349, 15041), (379, 15095), (383, 15101), (389, 15110), (398, 15122), (404, 15131), (415, 15155), (425, 15191), (427, 15197), (431,

15209), (438, 15230), (439, 15233), (442, 15242), (459, 15257), (467, 15263), (481, 15281), (486, 15296), (488, 15302), (493, 15320), (494, 15323), (501, 15338), (509, 15353), (510, 15359), (520, 15389), (523, 15407), (530, 15419), (531, 15425), (586, 15485), (590, 15497), (606, 15533), (612, 15545), (620, 15566), (644, 15620), (647, 15629), (659, 15653), (671, 15683), (755, 15788), (764, 15800), (785, 15836), (803, 15875), (813, 15914), (844, 16013), (851, 16034), (862, 16067), (877, 16097), (886, 16127), (889, 16136), (891, 16142), (905, 16157), (906, 16160), (914, 16181), (916, 16184), (940, 16226), (947, 16256), (959, 16298),

Gene: Boopy_101 Start: 60032, Stop: 61660, Start Num: 181

Candidate Starts for Boopy_101:

(Start: 181 @60032 has 4 MA's), (194, 60047), (Start: 197 @60050 has 47 MA's), (210, 60077), (Start: 239 @60134 has 1 MA's), (252, 60170), (263, 60203), (279, 60233), (282, 60236), (308, 60305), (309, 60311), (402, 60476), (419, 60518), (422, 60527), (424, 60536), (428, 60548), (500, 60668), (586, 60821), (612, 60881), (676, 61028), (686, 61049), (691, 61064), (768, 61142), (772, 61148), (820, 61265), (824, 61280), (841, 61337), (851, 61367), (862, 61400), (917, 61520), (965, 61649),

Gene: BoostSeason_19 Start: 15039, Stop: 16808, Start Num: 143

Candidate Starts for BoostSeason_19:

(Start: 121 @15003 has 1 MA's), (Start: 138 @15033 has 25 MA's), (Start: 143 @15039 has 53 MA's), (Start: 166 @15054 has 28 MA's), (Start: 193 @15096 has 1 MA's), (222, 15144), (Start: 239 @15183 has 1 MA's), (244, 15198), (261, 15249), (276, 15279), (291, 15312), (298, 15324), (304, 15342), (338, 15414), (341, 15420), (395, 15516), (404, 15528), (437, 15624), (488, 15717), (504, 15759), (508, 15765), (520, 15804), (527, 15828), (531, 15840), (586, 15930), (589, 15939), (613, 15993), (622, 16023), (674, 16134), (693, 16185), (758, 16293), (820, 16407), (823, 16416), (845, 16491), (862, 16542), (865, 16548), (909, 16644), (939, 16698), (960, 16779), (971, 16800),

Gene: Bora_54 Start: 33145, Stop: 34881, Start Num: 118

Candidate Starts for Bora_54:

(Start: 113 @33136 has 2 MA's), (Start: 118 @33145 has 26 MA's), (180, 33235), (244, 33352), (256, 33388), (265, 33409), (277, 33436), (282, 33442), (295, 33472), (303, 33496), (328, 33547), (404, 33685), (408, 33691), (424, 33742), (425, 33745), (431, 33763), (481, 33814), (488, 33835), (489, 33838), (509, 33886), (510, 33892), (523, 33940), (527, 33946), (530, 33952), (575, 34012), (586, 34036), (587, 34039), (606, 34084), (613, 34099), (616, 34108), (620, 34117), (636, 34162), (647, 34180), (665, 34213), (764, 34351), (777, 34372), (806, 34438), (814, 34468), (830, 34522), (844, 34564), (851, 34585), (858, 34606), (862, 34618), (872, 34639), (891, 34693), (938, 34771), (947, 34807), (953, 34828), (960, 34855),

Gene: Bosection6_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Bosection6_18:

(Start: 134 @14989 has 40 MA's), (161, 15016), (Start: 228 @15121 has 2 MA's), (232, 15133), (245, 15169), (263, 15220), (277, 15250), (282, 15256), (294, 15283), (296, 15289), (349, 15409), (379, 15463), (383, 15469), (395, 15487), (404, 15499), (406, 15502), (415, 15523), (427, 15565), (438, 15598), (481, 15649), (486, 15664), (501, 15706), (509, 15721), (510, 15727), (523, 15775), (535, 15799), (554, 15829), (586, 15853), (612, 15913), (616, 15925), (636, 15979), (644, 15988), (670, 16048), (671, 16051), (755, 16156), (761, 16165), (785, 16204), (832, 16342), (885, 16492), (886, 16495), (889, 16504), (905, 16525), (916, 16552), (938, 16588), (965, 16681),

Gene: Bosnia_19 Start: 17764, Stop: 19362, Start Num: 268

Candidate Starts for Bosnia_19:

(Start: 268 @17764 has 52 MA's), (418, 18022), (424, 18040), (425, 18043), (443, 18097), (472, 18172), (496, 18241), (499, 18250), (505, 18262), (521, 18313), (529, 18340), (532, 18349), (534, 18352), (582, 18385), (605, 18442), (628, 18508), (683, 18619), (694, 18643), (705, 18679), (745, 18781), (779, 18838), (813, 18928), (894, 19168), (932, 19246),

Gene: Bowser_19 Start: 16618, Stop: 18348, Start Num: 140

Candidate Starts for Bowser_19:

(84, 16501), (Start: 121 @16585 has 1 MA's), (Start: 126 @16597 has 1 MA's), (Start: 140 @16618 has 5 MA's), (296, 16855), (310, 16888), (425, 17101), (448, 17173), (469, 17215), (487, 17251), (495, 17281), (506, 17305), (519, 17347), (527, 17374), (528, 17377), (563, 17431), (574, 17437), (612, 17524), (734, 17815), (741, 17818), (804, 17926), (845, 18022), (851, 18040), (875, 18100), (894, 18157), (909, 18196), (910, 18199), (915, 18211), (948, 18286), (956, 18313),

Gene: Bowtie_28 Start: 20755, Stop: 22554, Start Num: 145

Candidate Starts for Bowtie_28:

(103, 20689), (Start: 128 @20731 has 10 MA's), (Start: 145 @20755 has 749 MA's), (185, 20797), (240, 20893), (246, 20908), (303, 20989), (304, 20992), (349, 21067), (361, 21082), (381, 21121), (385, 21127), (434, 21238), (436, 21244), (470, 21325), (507, 21409), (551, 21535), (558, 21553), (574, 21580), (629, 21721), (668, 21787), (674, 21799), (675, 21802), (716, 21925), (749, 21991), (765, 22018), (783, 22048), (785, 22051), (795, 22072), (802, 22087), (808, 22111), (832, 22186), (836, 22201), (865, 22285), (905, 22390), (907, 22396), (935, 22450), (966, 22549),

Gene: BoyNamedSue_19 Start: 17776, Stop: 19374, Start Num: 268

Candidate Starts for BoyNamedSue_19:

(Start: 268 @17776 has 52 MA's), (418, 18034), (424, 18052), (425, 18055), (443, 18109), (472, 18184), (496, 18253), (499, 18262), (505, 18274), (509, 18286), (521, 18325), (529, 18352), (532, 18361), (534, 18364), (582, 18397), (605, 18454), (628, 18520), (683, 18631), (705, 18691), (745, 18793), (779, 18850), (813, 18940), (894, 19180), (932, 19258),

Gene: Bradissa_20 Start: 17713, Stop: 19419, Start Num: 145

Candidate Starts for Bradissa_20:

(Start: 129 @17689 has 45 MA's), (Start: 145 @17713 has 749 MA's), (186, 17761), (216, 17818), (242, 17860), (349, 18049), (423, 18196), (425, 18202), (440, 18247), (500, 18385), (525, 18460), (674, 18742), (681, 18763), (708, 18838), (759, 18925), (787, 18961), (802, 18994), (804, 19000), (835, 19066), (845, 19096), (905, 19252), (907, 19258), (912, 19276), (957, 19387),

Gene: Bradshaw_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for Bradshaw_23:

(Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (261, 16526), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (478, 16904), (481, 16910), (486, 16925), (487, 16928), (507, 16976), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: Bran_17 Start: 16323, Stop: 18020, Start Num: 125

Candidate Starts for Bran_17:

(Start: 125 @16323 has 8 MA's), (Start: 138 @16344 has 25 MA's), (198, 16428), (210, 16455), (215, 16461), (301, 16593), (329, 16644), (349, 16677), (365, 16701), (425, 16821), (436, 16854), (442, 16872), (468, 16926), (488, 16971), (510, 17028), (513, 17040), (525, 17079), (574, 17139), (584, 17160), (587, 17169), (612, 17226), (647, 17316), (698, 17424), (715, 17478), (717, 17484), (723, 17502), (804, 17598), (818, 17619), (836, 17664), (892, 17823), (901, 17838), (906, 17853), (909, 17865), (965, 18009),

Gene: Brandonk123_36 Start: 30817, Stop: 32580, Start Num: 107

Candidate Starts for Brandonk123_36:

(100, 30799), (Start: 107 @30817 has 72 MA's), (Start: 126 @30853 has 1 MA's), (216, 30991), (259, 31087), (265, 31096), (319, 31165), (349, 31216), (376, 31261), (385, 31276), (425, 31357), (440,

31402), (443, 31411), (487, 31501), (495, 31531), (503, 31546), (510, 31570), (520, 31600), (629, 31822), (644, 31840), (649, 31855), (668, 31885), (674, 31897), (675, 31900), (686, 31927), (845, 32251), (846, 32254), (862, 32302), (875, 32329), (884, 32356), (905, 32410), (913, 32437), (966, 32575),

Gene: Braxoaddie_45 Start: 31342, Stop: 32916, Start Num: 264

Candidate Starts for Braxoaddie_45:

(Start: 264 @31342 has 7 MA's), (Start: 269 @31351 has 31 MA's), (302, 31405), (311, 31429), (322, 31432), (455, 31702), (484, 31765), (489, 31780), (535, 31897), (539, 31912), (572, 31969), (578, 31978), (594, 32020), (604, 32041), (615, 32071), (635, 32128), (677, 32203), (711, 32299), (756, 32404), (757, 32407), (774, 32434), (814, 32512), (827, 32551), (884, 32707), (922, 32773),

Gene: BreSam8_29 Start: 20372, Stop: 22168, Start Num: 145

Candidate Starts for BreSam8_29:

(Start: 145 @20372 has 749 MA's), (Start: 191 @20429 has 1 MA's), (199, 20444), (233, 20498), (Start: 239 @20513 has 1 MA's), (297, 20600), (303, 20612), (304, 20615), (349, 20690), (361, 20705), (379, 20741), (470, 20948), (528, 21101), (560, 21188), (616, 21302), (623, 21326), (629, 21344), (675, 21425), (701, 21500), (708, 21518), (717, 21551), (720, 21557), (739, 21596), (777, 21650), (779, 21653), (791, 21674), (810, 21731), (865, 21899), (905, 22004), (907, 22010), (959, 22145),

Gene: Breezona_18 Start: 16989, Stop: 18722, Start Num: 165

Candidate Starts for Breezona_18:

(Start: 165 @16989 has 28 MA's), (205, 17058), (274, 17199), (276, 17202), (306, 17247), (326, 17280), (329, 17289), (350, 17325), (379, 17379), (397, 17406), (405, 17418), (423, 17469), (425, 17475), (436, 17508), (500, 17661), (510, 17685), (512, 17694), (527, 17739), (533, 17754), (583, 17832), (626, 17952), (657, 18015), (691, 18087), (703, 18123), (783, 18243), (787, 18249), (794, 18261), (826, 18324), (854, 18411), (862, 18438), (890, 18507), (897, 18522), (905, 18534), (912, 18558), (944, 18636),

Gene: Bricole_28 Start: 22354, Stop: 24090, Start Num: 147

Candidate Starts for Bricole_28:

(66, 22132), (Start: 115 @22312 has 3 MA's), (Start: 124 @22327 has 2 MA's), (Start: 147 @22354 has 14 MA's), (Start: 166 @22369 has 28 MA's), (189, 22408), (205, 22438), (207, 22444), (215, 22456), (271, 22561), (274, 22576), (303, 22615), (372, 22738), (376, 22747), (423, 22843), (437, 22885), (438, 22888), (442, 22900), (510, 23065), (552, 23176), (583, 23203), (609, 23275), (612, 23284), (613, 23287), (617, 23299), (674, 23419), (675, 23422), (691, 23464), (700, 23494), (703, 23500), (783, 23620), (787, 23626), (936, 23980), (944, 24007), (950, 24025), (952, 24034),

Gene: BritBrat_20 Start: 17542, Stop: 19272, Start Num: 129

Candidate Starts for BritBrat_20:

(Start: 129 @17542 has 45 MA's), (Start: 145 @17566 has 749 MA's), (216, 17671), (242, 17713), (285, 17788), (349, 17902), (423, 18049), (425, 18055), (440, 18100), (500, 18238), (525, 18313), (674, 18595), (681, 18616), (708, 18691), (759, 18778), (787, 18814), (802, 18847), (804, 18853), (835, 18919), (845, 18949), (905, 19105), (907, 19111), (912, 19129), (957, 19240),

Gene: Briton15_29 Start: 21386, Stop: 23188, Start Num: 148

Candidate Starts for Briton15_29:

(Start: 148 @21386 has 202 MA's), (Start: 166 @21407 has 28 MA's), (Start: 191 @21449 has 1 MA's), (215, 21494), (349, 21710), (376, 21755), (381, 21764), (407, 21803), (425, 21854), (426, 21857), (463, 21950), (507, 22052), (528, 22121), (612, 22310), (616, 22322), (617, 22325), (623, 22346), (674, 22442), (675, 22445), (677, 22451), (701, 22520), (708, 22538), (710, 22547), (720, 22577), (779, 22673), (795, 22706), (802, 22721), (845, 22862), (865, 22919), (907, 23030),

Gene: Brocalys_16 Start: 14792, Stop: 16501, Start Num: 132

Candidate Starts for Brocalys_16:

(Start: 132 @14792 has 199 MA's), (198, 14879), (Start: 228 @14924 has 2 MA's), (237, 14948), (277, 15053), (282, 15059), (290, 15077), (301, 15107), (349, 15212), (383, 15272), (398, 15293), (404, 15302), (415, 15326), (481, 15452), (486, 15467), (488, 15473), (501, 15509), (503, 15512), (509, 15524), (510, 15530), (523, 15578), (530, 15590), (531, 15596), (586, 15656), (590, 15668), (606, 15704), (612, 15716), (644, 15791), (647, 15800), (656, 15818), (659, 15824), (671, 15854), (755, 15959), (761, 15968), (764, 15971), (785, 16007), (813, 16085), (844, 16184), (851, 16205), (862, 16238), (877, 16268), (886, 16298), (889, 16307), (891, 16313), (905, 16328), (906, 16331), (916, 16355), (935, 16385), (940, 16397), (947, 16427), (959, 16469),

Gene: Bromden_19 Start: 17040, Stop: 18803, Start Num: 130

Candidate Starts for Bromden_19:

(Start: 130 @17040 has 38 MA's), (225, 17181), (246, 17211), (274, 17289), (276, 17292), (394, 17490), (397, 17493), (405, 17505), (448, 17634), (467, 17664), (476, 17685), (510, 17772), (512, 17781), (523, 17820), (533, 17841), (616, 17997), (638, 18060), (661, 18102), (669, 18111), (675, 18123), (703, 18201), (787, 18327), (802, 18360), (844, 18462), (847, 18471), (854, 18489), (862, 18516), (886, 18573), (912, 18636), (930, 18672), (936, 18687), (944, 18717), (952, 18744), (956, 18756), (961, 18777),

Gene: Broseidon_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Broseidon_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: BruceB_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for BruceB_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Bruin_24 Start: 19853, Stop: 21448, Start Num: 197

Candidate Starts for Bruin_24:

(Start: 137 @19769 has 84 MA's), (Start: 197 @19853 has 47 MA's), (Start: 239 @19931 has 1 MA's), (272, 20018), (282, 20033), (301, 20081), (315, 20120), (363, 20207), (380, 20240), (404, 20276), (417, 20306), (418, 20312), (441, 20381), (483, 20411), (487, 20423), (488, 20426), (510, 20483), (587, 20615), (589, 20621), (617, 20687), (620, 20693), (626, 20717), (647, 20765), (659, 20789), (665, 20798), (695, 20873), (761, 20924), (772, 20939), (833, 21101), (841, 21128), (851, 21158), (890, 21263), (938, 21341), (947, 21377), (950, 21386), (959, 21419), (965, 21434),

Gene: Bruiser_26 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Bruiser_26:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Brujita_19 Start: 16495, Stop: 18228, Start Num: 139

Candidate Starts for Brujita_19:

(Start: 139 @16495 has 6 MA's), (208, 16594), (214, 16603), (245, 16669), (254, 16693), (279, 16753), (282, 16756), (294, 16783), (379, 16963), (395, 16987), (404, 16999), (415, 17023), (481, 17149), (486, 17164), (489, 17173), (503, 17209), (510, 17227), (530, 17287), (612, 17413), (636, 17479), (644, 17488), (647, 17497), (659, 17521), (761, 17665), (788, 17710), (824, 17812), (826, 17821), (830, 17839), (832, 17842), (886, 18001), (892, 18019), (905, 18055), (909, 18070), (938, 18118), (957, 18187),

Gene: Bruns_26 Start: 21014, Stop: 22816, Start Num: 148

Candidate Starts for Bruns_26:

(Start: 148 @21014 has 202 MA's), (Start: 166 @21035 has 28 MA's), (Start: 191 @21077 has 1 MA's), (215, 21122), (349, 21338), (376, 21383), (381, 21392), (425, 21482), (426, 21485), (434, 21509), (463, 21578), (507, 21680), (528, 21749), (612, 21938), (616, 21950), (617, 21953), (623, 21974), (674, 22070), (675, 22073), (677, 22079), (701, 22148), (708, 22166), (710, 22175), (720, 22205), (779, 22301), (795, 22334), (802, 22349), (845, 22490), (865, 22547), (907, 22658),

Gene: Brusacoram_19 Start: 16385, Stop: 18121, Start Num: 129

Candidate Starts for Brusacoram_19:

(Start: 114 @16361 has 2 MA's), (Start: 129 @16385 has 45 MA's), (174, 16445), (185, 16466), (Start: 187 @16469 has 15 MA's), (250, 16589), (263, 16628), (279, 16661), (291, 16685), (341, 16805), (363, 16844), (365, 16850), (411, 16934), (415, 16940), (418, 16952), (425, 16976), (434, 17003), (441, 17021), (470, 17060), (481, 17066), (489, 17090), (510, 17144), (513, 17156), (517, 17165), (537, 17225), (595, 17303), (612, 17342), (622, 17375), (647, 17441), (654, 17456), (659, 17465), (669, 17489), (686, 17519), (691, 17531), (782, 17633), (788, 17645), (791, 17648), (794, 17654), (796, 17663), (830, 17771), (858, 17855), (898, 17954), (950, 18062), (965, 18110),

Gene: BrutonGaster_36 Start: 25954, Stop: 27642, Start Num: 154

Candidate Starts for BrutonGaster_36:

(Start: 154 @25954 has 21 MA's), (Start: 193 @26014 has 1 MA's), (198, 26023), (208, 26047), (258, 26164), (261, 26170), (290, 26236), (307, 26284), (347, 26371), (351, 26377), (378, 26425), (380, 26428), (408, 26470), (486, 26575), (510, 26638), (511, 26644), (520, 26668), (612, 26830), (646, 26920), (691, 27028), (695, 27046), (755, 27088), (783, 27133), (787, 27139), (810, 27199), (841, 27298), (845, 27310), (848, 27319), (938, 27511), (948, 27550), (958, 27586), (972, 27634),

Gene: Bryce_23 Start: 16323, Stop: 17948, Start Num: 173

Candidate Starts for Bryce_23:

(Start: 162 @16308 has 3 MA's), (Start: 173 @16323 has 32 MA's), (198, 16365), (210, 16392), (236, 16428), (349, 16614), (421, 16743), (434, 16785), (443, 16812), (450, 16836), (463, 16854), (481, 16884), (486, 16899), (507, 16950), (535, 17034), (609, 17151), (617, 17175), (674, 17289), (692, 17337), (701, 17367), (713, 17406), (717, 17418), (757, 17448), (802, 17526), (860, 17673), (870, 17697), (884, 17733), (900, 17772), (965, 17940),

Gene: Bryler_22 Start: 16350, Stop: 18116, Start Num: 145

Candidate Starts for Bryler_22:

(Start: 138 @16341 has 25 MA's), (Start: 145 @16350 has 749 MA's), (Start: 170 @16380 has 1 MA's), (Start: 239 @16506 has 1 MA's), (244, 16521), (251, 16539), (261, 16572), (276, 16602), (298, 16647), (338, 16737), (357, 16773), (404, 16851), (409, 16860), (436, 16944), (439, 16953), (443, 16965), (444, 16968), (456, 16986), (465, 17007), (482, 17022), (486, 17034), (488, 17040), (504, 17082), (508, 17088), (593, 17271), (619, 17331), (663, 17415), (669, 17433), (693, 17493), (742, 17568), (754, 17592), (797, 17652), (808, 17685), (809, 17688), (814, 17706), (823, 17727), (845, 17802), (862, 17853), (865, 17859), (875, 17880), (909, 17952), (938, 18003), (960, 18087), (961, 18090), (971, 18108),

Gene: Brylie_22 Start: 17344, Stop: 19050, Start Num: 187

Candidate Starts for Brylie_22:

(131, 17269), (Start: 187 @17344 has 15 MA's), (Start: 239 @17437 has 1 MA's), (244, 17452), (246, 17458), (275, 17533), (305, 17605), (359, 17716), (384, 17761), (395, 17779), (404, 17791), (486, 17962), (489, 17971), (491, 17977), (504, 18010), (523, 18073), (542, 18124), (564, 18148), (585, 18172), (616, 18247), (628, 18286), (691, 18418), (758, 18532), (808, 18619), (844, 18733), (847, 18742), (886, 18847), (936, 18934), (971, 19042),

Gene: BubbleTrouble_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for BubbleTrouble_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Bubbles123_17 Start: 15521, Stop: 17230, Start Num: 132

Candidate Starts for Bubbles123_17:

(Start: 132 @15521 has 199 MA's), (Start: 228 @15653 has 2 MA's), (237, 15677), (277, 15782), (282, 15788), (290, 15806), (301, 15836), (349, 15941), (383, 16001), (398, 16022), (404, 16031), (415, 16055), (481, 16181), (486, 16196), (488, 16202), (501, 16238), (503, 16241), (509, 16253), (510, 16259), (523, 16307), (530, 16319), (531, 16325), (586, 16385), (590, 16397), (606, 16433), (612, 16445), (644, 16520), (647, 16529), (656, 16547), (659, 16553), (671, 16583), (755, 16688), (761, 16697), (764, 16700), (785, 16736), (813, 16814), (844, 16913), (851, 16934), (862, 16967), (877, 16997), (886, 17027), (889, 17036), (891, 17042), (905, 17057), (906, 17060), (916, 17084), (935, 17114), (940, 17126), (947, 17156), (959, 17198),

Gene: Buck_23 Start: 19702, Stop: 21381, Start Num: 137

Candidate Starts for Buck_23:

(Start: 137 @19702 has 84 MA's), (Start: 197 @19786 has 47 MA's), (Start: 239 @19864 has 1 MA's), (272, 19951), (282, 19966), (301, 20014), (315, 20053), (363, 20140), (380, 20173), (404, 20209), (417, 20239), (418, 20245), (441, 20314), (483, 20344), (487, 20356), (488, 20359), (510, 20416), (587, 20548), (589, 20554), (617, 20620), (620, 20626), (626, 20650), (647, 20698), (659, 20722), (665, 20731), (695, 20806), (761, 20857), (772, 20872), (833, 21034), (841, 21061), (851, 21091), (890, 21196), (938, 21274), (947, 21310), (950, 21319), (959, 21352), (965, 21367),

Gene: Bud_28 Start: 20761, Stop: 22560, Start Num: 145

Candidate Starts for Bud_28:

(103, 20695), (Start: 128 @20737 has 10 MA's), (Start: 145 @20761 has 749 MA's), (185, 20803), (240, 20899), (246, 20914), (303, 20995), (304, 20998), (349, 21073), (361, 21088), (381, 21127), (385, 21133), (415, 21184), (434, 21244), (436, 21250), (470, 21331), (507, 21415), (551, 21541), (558, 21559), (574, 21586), (629, 21727), (668, 21793), (674, 21805), (675, 21808), (749, 21997),

(765, 22024), (773, 22033), (783, 22054), (785, 22057), (795, 22078), (802, 22093), (808, 22117), (832, 22192), (836, 22207), (865, 22291), (905, 22396), (907, 22402), (935, 22456), (966, 22555),

Gene: Budski_20 Start: 16421, Stop: 18118, Start Num: 145

Candidate Starts for Budski_20:

(Start: 121 @16382 has 1 MA's), (Start: 145 @16421 has 749 MA's), (Start: 156 @16433 has 4 MA's), (182, 16472), (205, 16511), (216, 16532), (244, 16580), (247, 16589), (261, 16631), (303, 16667), (329, 16724), (360, 16772), (375, 16799), (438, 16940), (463, 16997), (469, 17015), (478, 17024), (481, 17030), (495, 17078), (508, 17108), (519, 17144), (521, 17150), (527, 17171), (528, 17174), (549, 17225), (583, 17252), (584, 17255), (594, 17282), (606, 17309), (632, 17381), (655, 17420), (687, 17474), (700, 17516), (730, 17591), (783, 17654), (796, 17681), (798, 17684), (804, 17699), (841, 17783), (844, 17792), (845, 17795), (847, 17801), (851, 17813), (853, 17816), (863, 17846), (866, 17852), (875, 17873), (877, 17876), (894, 17930), (907, 17960), (909, 17969), (937, 18020), (947, 18053), (951, 18065), (956, 18083),

Gene: Bugatti_27 Start: 19904, Stop: 21700, Start Num: 145

Candidate Starts for Bugatti_27:

(Start: 145 @19904 has 749 MA's), (Start: 191 @19961 has 1 MA's), (233, 20030), (297, 20132), (303, 20144), (304, 20147), (349, 20222), (361, 20237), (381, 20276), (440, 20411), (470, 20480), (516, 20594), (560, 20720), (616, 20834), (623, 20858), (629, 20876), (675, 20957), (701, 21032), (708, 21050), (710, 21059), (717, 21083), (720, 21089), (729, 21104), (749, 21137), (777, 21182), (779, 21185), (791, 21206), (795, 21218), (798, 21224), (815, 21281), (865, 21431), (877, 21455), (905, 21536), (907, 21542), (959, 21677),

Gene: Buggaboo_42 Start: 30625, Stop: 32241, Start Num: 260

Candidate Starts for Buggaboo_42:

(Start: 260 @30625 has 35 MA's), (Start: 268 @30637 has 52 MA's), (322, 30739), (365, 30823), (452, 31006), (484, 31072), (489, 31087), (497, 31111), (527, 31198), (538, 31228), (539, 31231), (572, 31288), (604, 31360), (643, 31465), (688, 31552), (704, 31600), (756, 31726), (780, 31762), (827, 31873), (851, 31948), (935, 32125), (947, 32167), (964, 32224),

Gene: BugsBunny_22 Start: 19419, Stop: 21014, Start Num: 197

Candidate Starts for BugsBunny_22:

(Start: 137 @19335 has 84 MA's), (Start: 197 @19419 has 47 MA's), (Start: 239 @19497 has 1 MA's), (272, 19584), (282, 19599), (301, 19647), (315, 19686), (363, 19773), (380, 19806), (404, 19842), (417, 19872), (418, 19878), (441, 19947), (483, 19977), (487, 19989), (488, 19992), (510, 20049), (587, 20181), (589, 20187), (617, 20253), (620, 20259), (626, 20283), (647, 20331), (659, 20355), (665, 20364), (695, 20439), (761, 20490), (772, 20505), (833, 20667), (841, 20694), (851, 20724), (890, 20829), (938, 20907), (947, 20943), (950, 20952), (959, 20985), (965, 21000),

Gene: Buggy_30 Start: 20696, Stop: 22468, Start Num: 145

Candidate Starts for Buggy_30:

(Start: 128 @20672 has 10 MA's), (Start: 145 @20696 has 749 MA's), (216, 20795), (256, 20879), (303, 20930), (304, 20933), (347, 21005), (349, 21008), (381, 21062), (407, 21101), (434, 21179), (470, 21266), (504, 21347), (507, 21350), (582, 21536), (617, 21623), (668, 21728), (675, 21743), (717, 21869), (720, 21875), (757, 21923), (802, 22001), (804, 22007), (821, 22061), (832, 22100), (836, 22115), (865, 22199), (907, 22310),

Gene: Bumblebee11_27 Start: 19826, Stop: 21625, Start Num: 145

Candidate Starts for Bumblebee11_27:

(Start: 128 @19802 has 10 MA's), (Start: 145 @19826 has 749 MA's), (Start: 191 @19886 has 1 MA's), (233, 19955), (261, 20033), (297, 20057), (304, 20072), (328, 20108), (349, 20147), (361, 20162), (381, 20201), (426, 20294), (434, 20318), (470, 20405), (516, 20519), (528, 20558), (560,

20645), (587, 20690), (616, 20759), (623, 20783), (627, 20795), (675, 20882), (701, 20957), (708, 20975), (710, 20984), (717, 21008), (720, 21014), (729, 21029), (749, 21062), (777, 21107), (779, 21110), (791, 21131), (865, 21356), (894, 21434), (905, 21461), (907, 21467), (959, 21602),

Gene: Bunker_19 Start: 16748, Stop: 18478, Start Num: 143

Candidate Starts for Bunker_19:

(84, 16628), (Start: 121 @16712 has 1 MA's), (Start: 143 @16748 has 53 MA's), (310, 17018), (360, 17102), (448, 17303), (469, 17345), (487, 17381), (495, 17411), (506, 17435), (519, 17477), (527, 17504), (528, 17507), (563, 17561), (574, 17567), (612, 17654), (741, 17948), (785, 18014), (796, 18038), (804, 18056), (845, 18152), (851, 18170), (910, 18329), (948, 18416), (950, 18422), (956, 18443),

Gene: Bunnies_19 Start: 16407, Stop: 18143, Start Num: 129

Candidate Starts for Bunnies_19:

(Start: 114 @16383 has 2 MA's), (Start: 129 @16407 has 45 MA's), (174, 16467), (185, 16488), (Start: 187 @16491 has 15 MA's), (250, 16611), (263, 16650), (279, 16683), (291, 16707), (341, 16827), (363, 16866), (365, 16872), (411, 16956), (415, 16962), (418, 16974), (425, 16998), (434, 17025), (441, 17043), (470, 17082), (481, 17088), (489, 17112), (510, 17166), (513, 17178), (517, 17187), (537, 17247), (595, 17325), (612, 17364), (622, 17397), (647, 17463), (654, 17478), (659, 17487), (669, 17511), (686, 17541), (691, 17553), (782, 17655), (788, 17667), (791, 17670), (794, 17676), (796, 17685), (830, 17793), (858, 17877), (898, 17976), (950, 18084), (965, 18132),

Gene: Bunnybear_18 Start: 17781, Stop: 19379, Start Num: 268

Candidate Starts for Bunnybear_18:

(Start: 157 @17559 has 12 MA's), (172, 17580), (189, 17610), (217, 17664), (Start: 268 @17781 has 52 MA's), (418, 18039), (424, 18057), (425, 18060), (443, 18114), (459, 18153), (472, 18189), (496, 18258), (499, 18267), (521, 18330), (529, 18357), (532, 18366), (534, 18369), (582, 18402), (605, 18459), (608, 18465), (628, 18525), (670, 18603), (681, 18627), (683, 18636), (694, 18660), (705, 18696), (745, 18798), (779, 18855), (798, 18894), (800, 18900), (803, 18906), (813, 18945), (851, 19062), (894, 19185), (932, 19263),

Gene: Burger_26 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Burger_26:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Burnsey_18 Start: 15730, Stop: 17430, Start Num: 135

Candidate Starts for Burnsey_18:

(Start: 121 @15703 has 1 MA's), (Start: 135 @15730 has 8 MA's), (Start: 145 @15733 has 749 MA's), (263, 15943), (349, 16066), (379, 16117), (423, 16204), (426, 16213), (433, 16234), (438, 16249), (442, 16261), (481, 16339), (485, 16351), (493, 16378), (506, 16411), (516, 16444), (520, 16456), (535, 16498), (606, 16621), (632, 16693), (675, 16771), (680, 16786), (689, 16804), (708, 16861), (779, 16954), (796, 16990), (802, 17002), (804, 17008), (807, 17020), (818, 17029), (844, 17101), (845, 17104), (847, 17110), (851, 17122), (875, 17182), (890, 17227), (893, 17236), (907, 17269), (940, 17335),

Gene: Burton_28 Start: 21234, Stop: 23036, Start Num: 148

Candidate Starts for Burton_28:

(Start: 148 @21234 has 202 MA's), (Start: 166 @21255 has 28 MA's), (Start: 191 @21297 has 1 MA's), (215, 21342), (349, 21558), (376, 21603), (381, 21612), (407, 21651), (425, 21702), (426, 21705), (463, 21798), (507, 21900), (528, 21969), (616, 22170), (617, 22173), (623, 22194), (674, 22290), (675, 22293), (677, 22299), (701, 22368), (708, 22386), (710, 22395), (720, 22425), (779, 22521), (795, 22554), (802, 22569), (845, 22710), (865, 22767), (907, 22878),

Gene: Burwell21_16 Start: 14811, Stop: 16520, Start Num: 132

Candidate Starts for Burwell21_16:

(Start: 132 @14811 has 199 MA's), (198, 14898), (Start: 228 @14943 has 2 MA's), (237, 14967), (277, 15072), (282, 15078), (290, 15096), (301, 15126), (349, 15231), (379, 15285), (383, 15291), (389, 15300), (404, 15321), (415, 15345), (425, 15381), (427, 15387), (438, 15420), (439, 15423), (442, 15432), (459, 15447), (467, 15453), (481, 15471), (486, 15486), (488, 15492), (493, 15510), (494, 15513), (501, 15528), (509, 15543), (510, 15549), (523, 15597), (530, 15609), (531, 15615), (586, 15675), (590, 15687), (606, 15723), (612, 15735), (644, 15810), (647, 15819), (656, 15837), (659, 15843), (671, 15873), (755, 15978), (764, 15990), (785, 16026), (813, 16104), (851, 16224), (862, 16257), (877, 16287), (880, 16299), (886, 16317), (888, 16323), (889, 16326), (891, 16332), (905, 16347), (906, 16350), (914, 16371), (916, 16374), (940, 16416), (947, 16446), (959, 16488), (960, 16494),

Gene: Butters_18 Start: 14956, Stop: 16665, Start Num: 134

Candidate Starts for Butters_18:

(Start: 134 @14956 has 40 MA's), (161, 14983), (Start: 228 @15088 has 2 MA's), (232, 15100), (245, 15136), (263, 15187), (272, 15208), (277, 15217), (282, 15223), (291, 15244), (296, 15256), (379, 15430), (383, 15436), (395, 15454), (404, 15466), (406, 15469), (415, 15490), (438, 15565), (459, 15592), (481, 15616), (482, 15619), (486, 15631), (501, 15673), (509, 15688), (510, 15694), (512, 15703), (523, 15742), (554, 15796), (586, 15820), (612, 15880), (636, 15946), (644, 15955), (647, 15964), (670, 16015), (671, 16018), (755, 16123), (785, 16171), (810, 16237), (832, 16309), (886, 16462), (889, 16471), (905, 16492), (909, 16507), (916, 16519), (938, 16555), (940, 16561),

Gene: Button_19 Start: 14787, Stop: 16475, Start Num: 145

Candidate Starts for Button_19:

(38, 14367), (Start: 121 @14757 has 1 MA's), (Start: 135 @14784 has 8 MA's), (Start: 145 @14787 has 749 MA's), (Start: 239 @14928 has 1 MA's), (303, 15027), (323, 15072), (423, 15255), (433, 15285), (447, 15327), (463, 15357), (481, 15387), (485, 15399), (486, 15402), (516, 15492), (538, 15558), (541, 15573), (582, 15609), (587, 15624), (594, 15642), (612, 15681), (614, 15687), (648, 15771), (671, 15807), (674, 15810), (675, 15813), (680, 15828), (689, 15846), (690, 15849), (708, 15903), (796, 16032), (802, 16044), (804, 16050), (806, 16059), (818, 16071), (844, 16143), (845, 16146), (846, 16149), (881, 16245), (907, 16314), (909, 16323), (959, 16452), (961, 16461), (965, 16467),

Gene: Buttons_29 Start: 22075, Stop: 23877, Start Num: 148

Candidate Starts for Buttons_29:

(Start: 148 @22075 has 202 MA's), (Start: 166 @22096 has 28 MA's), (Start: 191 @22138 has 1 MA's), (215, 22183), (349, 22399), (376, 22444), (381, 22453), (407, 22492), (425, 22543), (426, 22546), (463, 22639), (507, 22741), (528, 22810), (552, 22870), (616, 23011), (617, 23014), (623, 23035), (674, 23131), (675, 23134), (677, 23140), (701, 23209), (708, 23227), (710, 23236), (720, 23266), (779, 23362), (795, 23395), (802, 23410), (845, 23551), (865, 23608), (907, 23719),

Gene: Buttrmilkdreams_18 Start: 15362, Stop: 17059, Start Num: 145

Candidate Starts for Buttrmilkdreams_18:

(Start: 121 @15332 has 1 MA's), (Start: 135 @15359 has 8 MA's), (Start: 145 @15362 has 749 MA's), (263, 15572), (376, 15740), (379, 15746), (415, 15806), (430, 15854), (433, 15863), (442, 15890), (451, 15920), (463, 15935), (481, 15968), (485, 15980), (495, 16016), (516, 16073), (520, 16085),

(587, 16205), (596, 16226), (606, 16250), (675, 16400), (680, 16415), (689, 16433), (708, 16490), (796, 16619), (802, 16631), (807, 16649), (818, 16658), (844, 16730), (845, 16733), (847, 16739), (851, 16751), (890, 16856), (893, 16865), (907, 16898),

Gene: BuzzBuzz_28 Start: 20463, Stop: 22259, Start Num: 145

Candidate Starts for BuzzBuzz_28:

(Start: 145 @20463 has 749 MA's), (Start: 191 @20520 has 1 MA's), (199, 20535), (216, 20568), (233, 20589), (Start: 239 @20604 has 1 MA's), (297, 20691), (303, 20703), (304, 20706), (349, 20781), (361, 20796), (379, 20832), (470, 21039), (516, 21153), (528, 21192), (560, 21279), (616, 21393), (623, 21417), (629, 21435), (675, 21516), (701, 21591), (708, 21609), (717, 21642), (720, 21648), (739, 21687), (777, 21741), (779, 21744), (791, 21765), (810, 21822), (865, 21990), (905, 22095), (907, 22101), (959, 22236),

Gene: BuzzLyseyear_18 Start: 15198, Stop: 16907, Start Num: 132

Candidate Starts for BuzzLyseyear_18:

(Start: 132 @15198 has 199 MA's), (198, 15285), (Start: 228 @15330 has 2 MA's), (237, 15354), (277, 15459), (282, 15465), (290, 15483), (301, 15513), (349, 15618), (383, 15678), (398, 15699), (404, 15708), (415, 15732), (481, 15858), (486, 15873), (488, 15879), (493, 15897), (494, 15900), (501, 15915), (509, 15930), (510, 15936), (523, 15984), (530, 15996), (531, 16002), (586, 16062), (590, 16074), (606, 16110), (612, 16122), (644, 16197), (647, 16206), (656, 16224), (659, 16230), (671, 16260), (755, 16365), (764, 16377), (785, 16413), (813, 16491), (851, 16611), (862, 16644), (877, 16674), (880, 16686), (886, 16704), (888, 16710), (889, 16713), (891, 16719), (905, 16734), (906, 16737), (914, 16758), (916, 16761), (940, 16803), (947, 16833), (959, 16875), (960, 16881),

Gene: Bxb1_25 Start: 21185, Stop: 22987, Start Num: 148

Candidate Starts for Bxb1_25:

(Start: 148 @21185 has 202 MA's), (Start: 166 @21206 has 28 MA's), (Start: 191 @21248 has 1 MA's), (215, 21293), (349, 21509), (376, 21554), (381, 21563), (407, 21602), (425, 21653), (426, 21656), (507, 21851), (528, 21920), (616, 22121), (617, 22124), (623, 22145), (674, 22241), (675, 22244), (677, 22250), (701, 22319), (708, 22337), (710, 22346), (720, 22376), (779, 22472), (795, 22505), (802, 22520), (845, 22661), (865, 22718), (907, 22829),

Gene: Bxz2_28 Start: 20473, Stop: 22269, Start Num: 145

Candidate Starts for Bxz2_28:

(Start: 145 @20473 has 749 MA's), (Start: 191 @20530 has 1 MA's), (199, 20545), (216, 20578), (233, 20599), (Start: 239 @20614 has 1 MA's), (297, 20701), (303, 20713), (304, 20716), (349, 20791), (361, 20806), (379, 20842), (470, 21049), (516, 21163), (528, 21202), (560, 21289), (616, 21403), (623, 21427), (629, 21445), (675, 21526), (701, 21601), (708, 21619), (717, 21652), (720, 21658), (739, 21697), (777, 21751), (779, 21754), (791, 21775), (810, 21832), (865, 22000), (905, 22105), (907, 22111), (959, 22246),

Gene: ByChance_16 Start: 14817, Stop: 16526, Start Num: 132

Candidate Starts for ByChance_16:

(Start: 132 @14817 has 199 MA's), (198, 14904), (Start: 228 @14949 has 2 MA's), (237, 14973), (277, 15078), (282, 15084), (290, 15102), (301, 15132), (349, 15237), (383, 15297), (398, 15318), (404, 15327), (415, 15351), (438, 15426), (439, 15429), (481, 15477), (486, 15492), (488, 15498), (501, 15534), (509, 15549), (510, 15555), (523, 15603), (530, 15615), (531, 15621), (586, 15681), (590, 15693), (606, 15729), (612, 15741), (644, 15816), (647, 15825), (656, 15843), (659, 15849), (671, 15879), (755, 15984), (764, 15996), (785, 16032), (813, 16110), (851, 16230), (862, 16263), (877, 16293), (886, 16323), (889, 16332), (891, 16338), (905, 16353), (906, 16356), (916, 16380), (935, 16410), (940, 16422), (947, 16452), (959, 16494),

Gene: Byougenkin_16 Start: 14826, Stop: 16535, Start Num: 132

Candidate Starts for Byougenkin_16:

(Start: 132 @14826 has 199 MA's), (198, 14913), (Start: 228 @14958 has 2 MA's), (237, 14982), (277, 15087), (282, 15093), (290, 15111), (301, 15141), (349, 15246), (383, 15306), (398, 15327), (404, 15336), (411, 15354), (415, 15360), (481, 15486), (486, 15501), (488, 15507), (501, 15543), (503, 15546), (509, 15558), (510, 15564), (523, 15612), (530, 15624), (531, 15630), (586, 15690), (590, 15702), (606, 15738), (612, 15750), (644, 15825), (647, 15834), (656, 15852), (659, 15858), (671, 15888), (755, 15993), (761, 16002), (764, 16005), (785, 16041), (810, 16107), (813, 16119), (844, 16218), (851, 16239), (862, 16272), (877, 16302), (886, 16332), (889, 16341), (891, 16347), (905, 16362), (906, 16365), (916, 16389), (940, 16431), (947, 16461), (959, 16503), (960, 16509),

Gene: C3_26 Start: 20192, Stop: 21982, Start Num: 145

Candidate Starts for C3_26:

(103, 20126), (Start: 128 @20168 has 10 MA's), (Start: 145 @20192 has 749 MA's), (303, 20426), (304, 20429), (347, 20501), (349, 20504), (361, 20519), (381, 20558), (385, 20564), (434, 20675), (440, 20693), (445, 20708), (470, 20762), (504, 20843), (507, 20846), (560, 21002), (582, 21032), (620, 21125), (675, 21239), (717, 21365), (795, 21500), (802, 21515), (808, 21539), (832, 21614), (833, 21617), (836, 21629), (865, 21713), (894, 21791), (905, 21818), (907, 21824), (928, 21869), (935, 21878), (959, 21959),

Gene: C3PO_31 Start: 28482, Stop: 30080, Start Num: 262

Candidate Starts for C3PO_31:

(Start: 262 @28482 has 8 MA's), (327, 28581), (363, 28650), (383, 28689), (442, 28824), (467, 28884), (530, 29037), (535, 29049), (537, 29058), (538, 29061), (568, 29106), (572, 29121), (578, 29130), (582, 29139), (604, 29193), (611, 29211), (630, 29265), (719, 29481), (767, 29574), (821, 29682), (835, 29736), (861, 29811), (922, 29940), (963, 30066),

Gene: CLED96_18 Start: 16640, Stop: 18403, Start Num: 138

Candidate Starts for CLED96_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: CRB1_28 Start: 20183, Stop: 21955, Start Num: 145

Candidate Starts for CRB1_28:

(Start: 128 @20159 has 10 MA's), (Start: 145 @20183 has 749 MA's), (216, 20282), (303, 20417), (304, 20420), (347, 20492), (349, 20495), (381, 20549), (385, 20555), (407, 20588), (434, 20666), (470, 20753), (504, 20834), (507, 20837), (582, 21023), (617, 21110), (668, 21215), (675, 21230), (717, 21356), (720, 21362), (757, 21410), (795, 21473), (802, 21488), (804, 21494), (811, 21524), (821, 21548), (832, 21587), (836, 21602), (865, 21686),

Gene: CREW_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for CREW_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Cabrinians_16 Start: 14807, Stop: 16516, Start Num: 132

Candidate Starts for Cabrinians_16:

(Start: 132 @14807 has 199 MA's), (198, 14894), (Start: 228 @14939 has 2 MA's), (237, 14963), (277, 15068), (282, 15074), (290, 15092), (301, 15122), (349, 15227), (383, 15287), (398, 15308), (404, 15317), (415, 15341), (438, 15416), (439, 15419), (481, 15467), (486, 15482), (488, 15488), (501, 15524), (503, 15527), (509, 15539), (510, 15545), (523, 15593), (530, 15605), (531, 15611), (586, 15671), (590, 15683), (606, 15719), (612, 15731), (644, 15806), (647, 15815), (656, 15833), (659, 15839), (671, 15869), (755, 15974), (764, 15986), (785, 16022), (813, 16100), (851, 16220), (862, 16253), (877, 16283), (886, 16313), (889, 16322), (891, 16328), (905, 16343), (906, 16346), (916, 16370), (935, 16400), (940, 16412), (947, 16442), (959, 16484),

Gene: Cactus_25 Start: 18958, Stop: 20637, Start Num: 137

Candidate Starts for Cactus_25:

(Start: 137 @18958 has 84 MA's), (Start: 197 @19042 has 47 MA's), (Start: 239 @19120 has 1 MA's), (272, 19207), (282, 19222), (301, 19270), (315, 19309), (363, 19396), (380, 19429), (404, 19465), (417, 19495), (418, 19501), (441, 19570), (483, 19600), (487, 19612), (488, 19615), (510, 19672), (587, 19804), (589, 19810), (617, 19876), (620, 19882), (626, 19906), (647, 19954), (659, 19978), (665, 19987), (695, 20062), (761, 20113), (772, 20128), (833, 20290), (841, 20317), (851, 20347), (890, 20452), (938, 20530), (947, 20566), (950, 20575), (959, 20608), (965, 20623),

Gene: CactusJack_19 Start: 16273, Stop: 18009, Start Num: 129

Candidate Starts for CactusJack_19:

(Start: 114 @16249 has 2 MA's), (Start: 129 @16273 has 45 MA's), (174, 16333), (185, 16354), (Start: 187 @16357 has 15 MA's), (250, 16477), (263, 16516), (279, 16549), (291, 16573), (341, 16693), (363, 16732), (365, 16738), (411, 16822), (415, 16828), (418, 16840), (425, 16864), (434, 16891), (441, 16909), (470, 16948), (481, 16954), (489, 16978), (510, 17032), (513, 17044), (517, 17053), (537, 17113), (595, 17191), (612, 17230), (622, 17263), (647, 17329), (659, 17353), (669, 17377), (686, 17407), (782, 17521), (788, 17533), (794, 17542), (796, 17551), (830, 17659), (858, 17743), (898, 17842), (950, 17950), (965, 17998),

Gene: CactusRose_26 Start: 21034, Stop: 22836, Start Num: 148

Candidate Starts for CactusRose_26:

(Start: 148 @21034 has 202 MA's), (Start: 166 @21055 has 28 MA's), (Start: 191 @21097 has 1 MA's), (215, 21142), (349, 21358), (376, 21403), (381, 21412), (425, 21502), (463, 21598), (507, 21700), (528, 21769), (616, 21970), (617, 21973), (623, 21994), (674, 22090), (675, 22093), (677, 22099), (701, 22168), (708, 22186), (710, 22195), (720, 22225), (779, 22321), (795, 22354), (802, 22369), (810, 22399), (845, 22510), (865, 22567), (907, 22678),

Gene: Caelakin_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Caelakin_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Cafasso_19 Start: 16548, Stop: 18212, Start Num: 157

Candidate Starts for Cafasso_19:

(Start: 143 @16533 has 53 MA's), (Start: 157 @16548 has 12 MA's), (Start: 162 @16554 has 3 MA's), (178, 16584), (185, 16593), (329, 16827), (349, 16860), (377, 16908), (419, 16983), (433, 17028), (470, 17118), (481, 17133), (500, 17187), (504, 17196), (516, 17229), (525, 17262), (528, 17268),

(647, 17502), (657, 17514), (674, 17541), (685, 17574), (698, 17613), (701, 17622), (729, 17694), (762, 17709), (779, 17733), (802, 17781), (840, 17868), (847, 17889), (871, 17955), (894, 18021), (912, 18069), (951, 18159), (966, 18207),

Gene: Cain_22 Start: 16338, Stop: 18104, Start Num: 145

Candidate Starts for Cain_22:

(Start: 138 @16329 has 25 MA's), (Start: 145 @16338 has 749 MA's), (Start: 170 @16368 has 1 MA's), (Start: 239 @16494 has 1 MA's), (244, 16509), (251, 16527), (261, 16560), (276, 16590), (298, 16635), (338, 16725), (357, 16761), (404, 16839), (409, 16848), (436, 16932), (439, 16941), (443, 16953), (444, 16956), (456, 16974), (465, 16995), (482, 17010), (486, 17022), (488, 17028), (504, 17070), (508, 17076), (593, 17259), (619, 17319), (663, 17403), (669, 17421), (693, 17481), (742, 17556), (754, 17580), (797, 17640), (808, 17673), (809, 17676), (814, 17694), (823, 17715), (845, 17790), (862, 17841), (865, 17847), (875, 17868), (909, 17940), (938, 17991), (960, 18075), (961, 18078), (971, 18096),

Gene: Calm_18 Start: 16760, Stop: 18529, Start Num: 130

Candidate Starts for Calm_18:

(Start: 98 @16697 has 1 MA's), (106, 16718), (Start: 114 @16733 has 2 MA's), (Start: 130 @16760 has 38 MA's), (194, 16853), (Start: 220 @16901 has 45 MA's), (225, 16907), (245, 16934), (246, 16937), (248, 16943), (274, 17015), (281, 17024), (301, 17048), (306, 17063), (323, 17093), (397, 17219), (403, 17228), (413, 17249), (418, 17264), (440, 17333), (451, 17369), (467, 17390), (494, 17459), (510, 17498), (583, 17636), (587, 17648), (616, 17723), (619, 17729), (623, 17747), (638, 17786), (657, 17819), (661, 17828), (669, 17837), (674, 17846), (716, 17969), (732, 18005), (787, 18053), (794, 18065), (824, 18119), (854, 18215), (859, 18233), (861, 18239), (862, 18242), (879, 18275), (886, 18299), (912, 18362), (932, 18404), (944, 18443), (950, 18461), (956, 18482), (961, 18503),

Gene: Cambiare_19 Start: 17379, Stop: 19118, Start Num: 164

Candidate Starts for Cambiare_19:

(Start: 138 @17370 has 25 MA's), (Start: 164 @17379 has 42 MA's), (182, 17409), (222, 17472), (224, 17475), (232, 17493), (244, 17526), (259, 17574), (261, 17577), (335, 17733), (341, 17748), (392, 17838), (415, 17880), (439, 17958), (488, 18054), (493, 18072), (504, 18096), (508, 18102), (520, 18141), (531, 18177), (548, 18222), (586, 18267), (623, 18363), (626, 18372), (663, 18429), (693, 18507), (701, 18534), (735, 18570), (778, 18624), (808, 18687), (819, 18717), (851, 18822), (859, 18846), (877, 18885), (895, 18936), (961, 19092), (963, 19095),

Gene: Camperdownii_26 Start: 19446, Stop: 21227, Start Num: 145

Candidate Starts for Camperdownii_26:

(Start: 128 @19422 has 10 MA's), (Start: 145 @19446 has 749 MA's), (Start: 150 @19452 has 25 MA's), (Start: 191 @19506 has 1 MA's), (199, 19521), (233, 19575), (240, 19593), (297, 19677), (303, 19689), (304, 19692), (349, 19767), (361, 19782), (381, 19821), (434, 19938), (470, 20025), (504, 20106), (521, 20154), (528, 20178), (560, 20265), (587, 20310), (617, 20382), (623, 20403), (629, 20421), (675, 20502), (708, 20595), (710, 20604), (717, 20628), (720, 20634), (731, 20658), (779, 20712), (791, 20733), (808, 20784), (815, 20808), (833, 20862), (865, 20958), (905, 21063), (909, 21078), (954, 21186), (959, 21204),

Gene: Camri_18 Start: 16640, Stop: 18403, Start Num: 138

Candidate Starts for Camri_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812,

17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Camster_19 Start: 16386, Stop: 18122, Start Num: 129

Candidate Starts for Camster_19:

(Start: 114 @16362 has 2 MA's), (Start: 129 @16386 has 45 MA's), (174, 16446), (185, 16467), (Start: 187 @16470 has 15 MA's), (250, 16590), (263, 16629), (279, 16662), (291, 16686), (341, 16806), (363, 16845), (365, 16851), (411, 16935), (415, 16941), (418, 16953), (425, 16977), (434, 17004), (441, 17022), (470, 17061), (481, 17067), (489, 17091), (510, 17145), (513, 17157), (517, 17166), (537, 17226), (595, 17304), (612, 17343), (622, 17376), (647, 17442), (654, 17457), (659, 17466), (669, 17490), (686, 17520), (691, 17532), (782, 17634), (788, 17646), (791, 17649), (794, 17655), (796, 17664), (830, 17772), (858, 17856), (898, 17955), (950, 18063), (965, 18111),

Gene: Candra_31 Start: 20012, Stop: 21784, Start Num: 145

Candidate Starts for Candra_31:

(103, 19946), (Start: 128 @19988 has 10 MA's), (Start: 145 @20012 has 749 MA's), (304, 20249), (347, 20321), (349, 20324), (361, 20339), (381, 20378), (385, 20384), (434, 20495), (436, 20501), (448, 20540), (470, 20582), (488, 20621), (504, 20663), (507, 20666), (560, 20822), (624, 20963), (629, 20978), (675, 21059), (720, 21191), (802, 21317), (817, 21368), (821, 21377), (832, 21416), (833, 21419), (836, 21431), (865, 21515), (905, 21620), (907, 21626), (959, 21761),

Gene: Caprice_47 Start: 26788, Stop: 28500, Start Num: 166

Candidate Starts for Caprice_47:

(120, 26725), (Start: 166 @26788 has 28 MA's), (211, 26869), (246, 26926), (276, 27007), (281, 27013), (317, 27070), (323, 27082), (329, 27094), (352, 27133), (363, 27148), (403, 27217), (423, 27271), (426, 27280), (491, 27436), (510, 27484), (512, 27493), (516, 27502), (528, 27541), (535, 27556), (583, 27619), (587, 27631), (629, 27748), (631, 27751), (657, 27802), (673, 27829), (675, 27832), (682, 27853), (698, 27895), (777, 28015), (787, 28033), (847, 28177), (862, 28222), (871, 28240), (904, 28324), (907, 28333), (912, 28351), (925, 28372), (944, 28417), (946, 28423), (950, 28435), (953, 28447), (959, 28468),

Gene: Capricorn_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Capricorn_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: CaptainKirk2_19 Start: 16674, Stop: 18320, Start Num: 220

Candidate Starts for CaptainKirk2_19:

(196, 16638), (Start: 220 @16674 has 45 MA's), (261, 16776), (293, 16848), (295, 16854), (296, 16857), (337, 16953), (355, 16992), (404, 17073), (423, 17127), (428, 17142), (482, 17238), (510, 17313), (520, 17343), (620, 17526), (626, 17550), (695, 17694), (700, 17706), (747, 17766), (809, 17898), (810, 17901), (841, 18000), (847, 18018), (865, 18069), (890, 18135), (927, 18198), (935, 18210),

Gene: CaptainTrips_17 Start: 15501, Stop: 17210, Start Num: 132

Candidate Starts for CaptainTrips_17:

(Start: 132 @15501 has 199 MA's), (198, 15588), (Start: 228 @15633 has 2 MA's), (237, 15657), (244, 15678), (277, 15762), (282, 15768), (290, 15786), (301, 15816), (349, 15921), (383, 15981), (398, 16002), (404, 16011), (411, 16029), (415, 16035), (481, 16161), (486, 16176), (488, 16182), (501,

16218), (503, 16221), (509, 16233), (510, 16239), (523, 16287), (530, 16299), (531, 16305), (586, 16365), (590, 16377), (606, 16413), (612, 16425), (644, 16500), (647, 16509), (656, 16527), (659, 16533), (671, 16563), (755, 16668), (761, 16677), (764, 16680), (785, 16716), (813, 16794), (844, 16893), (851, 16914), (862, 16947), (877, 16977), (886, 17007), (889, 17016), (891, 17022), (905, 17037), (906, 17040), (916, 17064), (935, 17094), (940, 17106), (947, 17136), (959, 17178),

Gene: Caraxes_27 Start: 18835, Stop: 20625, Start Num: 145

Candidate Starts for Caraxes_27:

(103, 18769), (Start: 128 @18811 has 10 MA's), (Start: 145 @18835 has 749 MA's), (Start: 166 @18844 has 28 MA's), (246, 18988), (303, 19069), (304, 19072), (347, 19144), (349, 19147), (361, 19162), (381, 19201), (385, 19207), (434, 19318), (436, 19324), (445, 19351), (470, 19405), (504, 19486), (507, 19489), (560, 19645), (582, 19675), (616, 19759), (629, 19801), (657, 19852), (675, 19882), (717, 20008), (746, 20062), (765, 20089), (773, 20098), (779, 20110), (795, 20143), (802, 20158), (808, 20182), (832, 20257), (833, 20260), (836, 20272), (865, 20356), (905, 20461), (928, 20512), (935, 20521), (959, 20602),

Gene: Carcharodon_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Carcharodon_18:

(Start: 134 @14989 has 40 MA's), (161, 15016), (Start: 228 @15121 has 2 MA's), (232, 15133), (245, 15169), (263, 15220), (277, 15250), (282, 15256), (294, 15283), (296, 15289), (349, 15409), (379, 15463), (383, 15469), (395, 15487), (404, 15499), (406, 15502), (415, 15523), (427, 15565), (438, 15598), (481, 15649), (486, 15664), (501, 15706), (509, 15721), (510, 15727), (523, 15775), (535, 15799), (554, 15829), (586, 15853), (612, 15913), (616, 15925), (636, 15979), (644, 15988), (670, 16048), (671, 16051), (755, 16156), (761, 16165), (785, 16204), (832, 16342), (885, 16492), (886, 16495), (889, 16504), (905, 16525), (916, 16552), (938, 16588), (965, 16681),

Gene: Cardigan_47 Start: 30787, Stop: 32481, Start Num: 149

Candidate Starts for Cardigan_47:

(Start: 149 @30787 has 2 MA's), (Start: 193 @30853 has 1 MA's), (Start: 197 @30859 has 47 MA's), (229, 30916), (291, 31075), (296, 31087), (351, 31213), (378, 31261), (486, 31411), (507, 31462), (510, 31474), (511, 31480), (590, 31621), (600, 31636), (703, 31903), (808, 32032), (810, 32038), (812, 32047), (833, 32110), (845, 32149), (848, 32158), (865, 32206), (893, 32281), (934, 32341), (948, 32389), (956, 32416), (958, 32425), (959, 32428),

Gene: Carlyle_29 Start: 21914, Stop: 23716, Start Num: 148

Candidate Starts for Carlyle_29:

(Start: 148 @21914 has 202 MA's), (Start: 166 @21935 has 28 MA's), (Start: 191 @21977 has 1 MA's), (215, 22022), (349, 22238), (376, 22283), (381, 22292), (407, 22331), (425, 22382), (426, 22385), (507, 22580), (528, 22649), (616, 22850), (617, 22853), (623, 22874), (674, 22970), (675, 22973), (677, 22979), (701, 23048), (708, 23066), (720, 23105), (779, 23201), (795, 23234), (802, 23249), (845, 23390), (865, 23447), (907, 23558), (966, 23711),

Gene: CarolAnn_19 Start: 16617, Stop: 18263, Start Num: 220

Candidate Starts for CarolAnn_19:

(196, 16581), (Start: 220 @16617 has 45 MA's), (261, 16719), (295, 16797), (296, 16800), (337, 16896), (355, 16935), (404, 17016), (423, 17070), (428, 17085), (510, 17256), (520, 17286), (620, 17469), (626, 17493), (658, 17544), (695, 17637), (700, 17649), (738, 17694), (747, 17709), (809, 17841), (810, 17844), (841, 17943), (847, 17961), (865, 18012), (888, 18072), (890, 18078), (927, 18141), (935, 18153),

Gene: CaseJules_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for CaseJules_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Cashline_20 Start: 17390, Stop: 19096, Start Num: 145

Candidate Starts for Cashline_20:

(Start: 129 @17366 has 45 MA's), (Start: 145 @17390 has 749 MA's), (242, 17537), (285, 17612), (349, 17726), (423, 17873), (425, 17879), (500, 18062), (525, 18137), (674, 18419), (681, 18440), (708, 18515), (759, 18602), (787, 18638), (802, 18671), (804, 18677), (835, 18743), (845, 18773), (905, 18929), (907, 18935), (912, 18953), (957, 19064),

Gene: CassieYates_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for CassieYates_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Catdawg_56 Start: 33524, Stop: 35260, Start Num: 118

Candidate Starts for Catdawg_56:

(Start: 113 @33515 has 2 MA's), (Start: 118 @33524 has 26 MA's), (180, 33614), (244, 33731), (256, 33767), (265, 33788), (277, 33815), (282, 33821), (303, 33875), (328, 33926), (404, 34064), (408, 34070), (424, 34121), (425, 34124), (431, 34142), (481, 34193), (488, 34214), (489, 34217), (509, 34265), (510, 34271), (523, 34319), (527, 34325), (530, 34331), (575, 34391), (586, 34415), (587, 34418), (606, 34463), (613, 34478), (616, 34487), (620, 34496), (636, 34541), (647, 34559), (665, 34592), (764, 34730), (777, 34751), (806, 34817), (814, 34847), (830, 34901), (844, 34943), (851, 34964), (858, 34985), (862, 34997), (872, 35018), (891, 35072), (938, 35150), (947, 35186), (953, 35207), (960, 35234),

Gene: Caviar_28 Start: 20455, Stop: 22254, Start Num: 145

Candidate Starts for Caviar_28:

(Start: 145 @20455 has 749 MA's), (Start: 191 @20515 has 1 MA's), (233, 20584), (297, 20686), (303, 20698), (304, 20701), (349, 20776), (361, 20791), (381, 20830), (440, 20965), (470, 21034), (516, 21148), (560, 21274), (616, 21388), (623, 21412), (627, 21424), (629, 21430), (675, 21511), (701, 21586), (708, 21604), (710, 21613), (717, 21637), (720, 21643), (729, 21658), (749, 21691), (777, 21736), (779, 21739), (791, 21760), (833, 21889), (865, 21985), (905, 22090), (907, 22096), (959, 22231),

Gene: Cedasite_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Cedasite_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Centaur_30 Start: 20653, Stop: 22425, Start Num: 145

Candidate Starts for Centaur_30:

(Start: 128 @20629 has 10 MA's), (Start: 145 @20653 has 749 MA's), (Start: 239 @20788 has 1 MA's), (303, 20887), (304, 20890), (347, 20962), (349, 20965), (381, 21019), (385, 21025), (419, 21088), (434, 21136), (445, 21169), (470, 21223), (504, 21304), (507, 21307), (516, 21337), (582, 21493), (617, 21580), (675, 21700), (716, 21823), (717, 21826), (720, 21832), (757, 21880), (795, 21943), (802, 21958), (804, 21964), (821, 22018), (832, 22057), (836, 22072), (847, 22105), (862, 22150), (905, 22261), (907, 22267), (935, 22321),

Gene: CentreCat_27 Start: 19828, Stop: 21606, Start Num: 145

Candidate Starts for CentreCat_27:

(Start: 128 @19804 has 10 MA's), (Start: 145 @19828 has 749 MA's), (Start: 191 @19885 has 1 MA's), (Start: 220 @19939 has 45 MA's), (233, 19954), (240, 19972), (297, 20056), (303, 20068), (304, 20071), (349, 20146), (361, 20161), (381, 20200), (434, 20317), (470, 20404), (504, 20485), (521, 20533), (528, 20557), (560, 20644), (587, 20689), (617, 20761), (623, 20782), (629, 20800), (675, 20881), (708, 20974), (710, 20983), (717, 21007), (720, 21013), (731, 21037), (779, 21091), (791, 21112), (808, 21163), (815, 21187), (833, 21241), (865, 21337), (905, 21442), (909, 21457), (954, 21565), (959, 21583),

Gene: Cerasum_17 Start: 14635, Stop: 16344, Start Num: 132

Candidate Starts for Cerasum_17:

(Start: 132 @14635 has 199 MA's), (198, 14722), (Start: 228 @14767 has 2 MA's), (237, 14791), (277, 14896), (282, 14902), (290, 14920), (301, 14950), (349, 15055), (383, 15115), (398, 15136), (404, 15145), (415, 15169), (438, 15244), (439, 15247), (481, 15295), (486, 15310), (488, 15316), (501, 15352), (503, 15355), (509, 15367), (510, 15373), (523, 15421), (530, 15433), (531, 15439), (586, 15499), (590, 15511), (606, 15547), (612, 15559), (644, 15634), (647, 15643), (656, 15661), (659, 15667), (671, 15697), (755, 15802), (761, 15811), (764, 15814), (785, 15850), (813, 15928), (844, 16027), (851, 16048), (862, 16081), (877, 16111), (886, 16141), (889, 16150), (891, 16156), (905, 16171), (906, 16174), (916, 16198), (935, 16228), (940, 16240), (947, 16270), (959, 16312),

Gene: Cerulean_28 Start: 20139, Stop: 21920, Start Num: 145

Candidate Starts for Cerulean_28:

(Start: 128 @20115 has 10 MA's), (Start: 145 @20139 has 749 MA's), (Start: 150 @20145 has 25 MA's), (Start: 191 @20199 has 1 MA's), (199, 20214), (233, 20268), (240, 20286), (297, 20370), (303, 20382), (304, 20385), (349, 20460), (361, 20475), (381, 20514), (434, 20631), (470, 20718), (504, 20799), (521, 20847), (528, 20871), (560, 20958), (587, 21003), (617, 21075), (623, 21096), (629, 21114), (675, 21195), (701, 21270), (708, 21288), (710, 21297), (717, 21321), (720, 21327), (731, 21351), (773, 21393), (779, 21405), (791, 21426), (808, 21477), (815, 21501), (833, 21555), (865, 21651), (905, 21756), (909, 21771), (954, 21879), (959, 21897),

Gene: ChadMasterC_35 Start: 31682, Stop: 33445, Start Num: 107

Candidate Starts for ChadMasterC_35:

(100, 31664), (Start: 107 @31682 has 72 MA's), (Start: 126 @31718 has 1 MA's), (216, 31856), (259, 31952), (265, 31961), (319, 32030), (349, 32081), (376, 32126), (425, 32222), (440, 32267), (443, 32276), (487, 32366), (495, 32396), (503, 32411), (510, 32435), (520, 32465), (586, 32570), (629, 32687), (644, 32705), (649, 32720), (668, 32750), (674, 32762), (675, 32765), (686, 32792), (845, 33116), (846, 33119), (862, 33167), (875, 33194), (884, 33221), (905, 33275), (913, 33302), (961, 33431),

Gene: Chadwick_25 Start: 18946, Stop: 20745, Start Num: 145

Candidate Starts for Chadwick_25:

(Start: 145 @18946 has 749 MA's), (304, 19183), (349, 19258), (361, 19273), (379, 19309), (419, 19381), (423, 19396), (434, 19429), (436, 19435), (516, 19630), (523, 19660), (527, 19666), (560, 19756), (587, 19801), (616, 19870), (629, 19912), (637, 19930), (674, 19990), (675, 19993), (708, 20086), (777, 20227), (795, 20263), (904, 20578), (907, 20587), (959, 20722),

Gene: ChampagnePapi_28 Start: 20138, Stop: 21919, Start Num: 145

Candidate Starts for ChampagnePapi_28:

(Start: 128 @20114 has 10 MA's), (Start: 145 @20138 has 749 MA's), (Start: 150 @20144 has 25 MA's), (Start: 191 @20198 has 1 MA's), (199, 20213), (233, 20267), (240, 20285), (297, 20369), (303, 20381), (304, 20384), (349, 20459), (361, 20474), (381, 20513), (434, 20630), (470, 20717), (504, 20798), (521, 20846), (528, 20870), (560, 20957), (587, 21002), (617, 21074), (623, 21095), (629, 21113), (675, 21194), (701, 21269), (708, 21287), (710, 21296), (717, 21320), (720, 21326), (731, 21350), (773, 21392), (779, 21404), (791, 21425), (808, 21476), (815, 21500), (833, 21554), (865, 21650), (905, 21755), (909, 21770), (954, 21878), (959, 21896),

Gene: Chanagan_26 Start: 20699, Stop: 22501, Start Num: 148

Candidate Starts for Chanagan_26:

(Start: 148 @20699 has 202 MA's), (Start: 166 @20720 has 28 MA's), (Start: 191 @20762 has 1 MA's), (215, 20807), (349, 21023), (376, 21068), (381, 21077), (407, 21116), (425, 21167), (426, 21170), (463, 21263), (507, 21365), (528, 21434), (616, 21635), (617, 21638), (623, 21659), (674, 21755), (675, 21758), (677, 21764), (701, 21833), (708, 21851), (710, 21860), (720, 21890), (779, 21986), (795, 22019), (802, 22034), (845, 22175), (865, 22232), (907, 22343),

Gene: Chance64_18 Start: 16640, Stop: 18403, Start Num: 138

Candidate Starts for Chance64_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Chancellor_24 Start: 18633, Stop: 20420, Start Num: 145

Candidate Starts for Chancellor_24:

(Start: 121 @18594 has 1 MA's), (Start: 138 @18624 has 25 MA's), (Start: 143 @18630 has 53 MA's), (Start: 145 @18633 has 749 MA's), (Start: 193 @18690 has 1 MA's), (222, 18738), (Start: 239 @18777 has 1 MA's), (244, 18792), (251, 18810), (261, 18843), (276, 18873), (298, 18918), (304, 18936), (338, 19008), (341, 19014), (357, 19044), (395, 19110), (404, 19122), (456, 19257), (486, 19305), (488, 19311), (493, 19329), (508, 19359), (520, 19398), (586, 19524), (612, 19584), (613, 19587), (620, 19605), (623, 19620), (693, 19788), (710, 19842), (754, 19887), (781, 19932), (797, 19956), (808, 19989), (820, 20022), (841, 20094), (845, 20106), (862, 20157), (865, 20163), (914, 20265), (960, 20391), (971, 20412),

Gene: Changeling_30 Start: 22020, Stop: 23792, Start Num: 145

Candidate Starts for Changeling_30:

(Start: 128 @21996 has 10 MA's), (Start: 145 @22020 has 749 MA's), (303, 22254), (304, 22257), (347, 22329), (349, 22332), (381, 22386), (407, 22425), (434, 22503), (470, 22590), (504, 22671), (507, 22674), (582, 22860), (616, 22944), (617, 22947), (629, 22986), (657, 23037), (668, 23052), (675, 23067), (720, 23199), (757, 23247), (791, 23298), (795, 23310), (802, 23325), (804, 23331), (821, 23385), (836, 23439), (865, 23523), (890, 23589), (894, 23601), (905, 23628), (907, 23634),

Gene: Chaph_27 Start: 19836, Stop: 21614, Start Num: 145

Candidate Starts for Chaph_27:

(Start: 128 @19812 has 10 MA's), (Start: 145 @19836 has 749 MA's), (Start: 191 @19893 has 1 MA's), (Start: 220 @19947 has 45 MA's), (233, 19962), (240, 19980), (297, 20064), (303, 20076), (304, 20079), (349, 20154), (361, 20169), (381, 20208), (434, 20325), (470, 20412), (504, 20493), (521, 20541), (528, 20565), (560, 20652), (587, 20697), (617, 20769), (623, 20790), (629, 20808), (675, 20889), (708, 20982), (710, 20991), (717, 21015), (720, 21021), (731, 21045), (779, 21099), (791, 21120), (808, 21171), (815, 21195), (833, 21249), (865, 21345), (905, 21450), (909, 21465), (954, 21573), (959, 21591),

Gene: Chargerpower_29 Start: 19510, Stop: 21282, Start Num: 145

Candidate Starts for Chargerpower_29:

(Start: 143 @19507 has 53 MA's), (Start: 145 @19510 has 749 MA's), (215, 19606), (247, 19666), (257, 19699), (304, 19747), (329, 19789), (347, 19819), (349, 19822), (381, 19876), (385, 19882), (434, 19993), (448, 20038), (451, 20047), (470, 20080), (507, 20164), (523, 20224), (609, 20413), (629, 20476), (717, 20683), (757, 20737), (779, 20767), (783, 20776), (802, 20815), (808, 20839), (832, 20914), (833, 20917), (836, 20929), (905, 21118), (907, 21124), (928, 21169), (959, 21259),

Gene: Charlie_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Charlie_18:

(Start: 134 @14989 has 40 MA's), (161, 15016), (Start: 228 @15121 has 2 MA's), (232, 15133), (245, 15169), (263, 15220), (277, 15250), (282, 15256), (294, 15283), (296, 15289), (349, 15409), (379, 15463), (383, 15469), (395, 15487), (404, 15499), (406, 15502), (415, 15523), (427, 15565), (438, 15598), (481, 15649), (486, 15664), (501, 15706), (509, 15721), (510, 15727), (523, 15775), (535, 15799), (554, 15829), (586, 15853), (612, 15913), (616, 15925), (636, 15979), (644, 15988), (670, 16048), (671, 16051), (755, 16156), (761, 16165), (785, 16204), (832, 16342), (885, 16492), (886, 16495), (889, 16504), (905, 16525), (916, 16552), (938, 16588), (965, 16681),

Gene: Charm_28 Start: 19700, Stop: 21490, Start Num: 145

Candidate Starts for Charm_28:

(103, 19634), (Start: 128 @19676 has 10 MA's), (Start: 145 @19700 has 749 MA's), (303, 19934), (304, 19937), (347, 20009), (349, 20012), (363, 20030), (381, 20066), (385, 20072), (415, 20123), (423, 20150), (425, 20156), (434, 20183), (436, 20189), (470, 20270), (504, 20351), (507, 20354), (523, 20414), (609, 20603), (629, 20666), (657, 20717), (675, 20747), (717, 20873), (779, 20975), (783, 20984), (795, 21008), (802, 21023), (808, 21047), (832, 21122), (836, 21137), (865, 21221), (905, 21326), (907, 21332), (935, 21386), (950, 21434),

Gene: Charming_35 Start: 30317, Stop: 32080, Start Num: 107

Candidate Starts for Charming_35:

(100, 30299), (Start: 107 @30317 has 72 MA's), (Start: 126 @30353 has 1 MA's), (216, 30491), (259, 30587), (265, 30596), (319, 30665), (349, 30716), (376, 30761), (385, 30776), (425, 30857), (440, 30902), (443, 30911), (487, 31001), (488, 31004), (495, 31031), (503, 31046), (510, 31070), (520, 31100), (629, 31322), (644, 31340), (649, 31355), (668, 31385), (674, 31397), (675, 31400), (686, 31427), (844, 31748), (845, 31751), (846, 31754), (862, 31802), (875, 31829), (884, 31856), (905, 31910), (912, 31934), (913, 31937), (966, 32075),

Gene: Chartreuse_31 Start: 19923, Stop: 21695, Start Num: 145

Candidate Starts for Chartreuse_31:

(103, 19857), (Start: 128 @19899 has 10 MA's), (Start: 145 @19923 has 749 MA's), (261, 20121), (304, 20160), (347, 20232), (349, 20235), (363, 20253), (381, 20289), (385, 20295), (434, 20406), (436, 20412), (448, 20451), (470, 20493), (488, 20532), (504, 20574), (507, 20577), (523, 20637), (624, 20874), (629, 20889), (675, 20970), (720, 21102), (802, 21228), (817, 21279), (821, 21288), (832, 21327), (833, 21330), (836, 21342), (865, 21426), (905, 21531), (907, 21537), (959, 21672),

Gene: Chaser_18 Start: 16640, Stop: 18403, Start Num: 130

Candidate Starts for Chaser_18:

(Start: 130 @16640 has 38 MA's), (225, 16781), (274, 16889), (276, 16892), (394, 17090), (397, 17093), (405, 17105), (415, 17126), (448, 17234), (467, 17264), (510, 17372), (523, 17420), (533, 17441), (616, 17597), (638, 17660), (661, 17702), (669, 17711), (675, 17723), (691, 17765), (787, 17927), (802, 17960), (844, 18062), (847, 18071), (862, 18116), (886, 18173), (905, 18212), (912, 18236), (930, 18272), (936, 18287), (944, 18317), (952, 18344), (956, 18356), (961, 18377),

Gene: Che12_30 Start: 19088, Stop: 20878, Start Num: 145

Candidate Starts for Che12_30:

(Start: 128 @19064 has 10 MA's), (Start: 145 @19088 has 749 MA's), (246, 19241), (303, 19322), (304, 19325), (349, 19400), (361, 19415), (381, 19454), (385, 19460), (434, 19571), (436, 19577), (445, 19604), (470, 19658), (504, 19739), (507, 19742), (560, 19898), (582, 19928), (629, 20054), (657, 20105), (668, 20120), (675, 20135), (717, 20261), (765, 20342), (773, 20351), (795, 20396), (802, 20411), (808, 20435), (832, 20510), (833, 20513), (836, 20525), (865, 20609), (905, 20714), (935, 20774), (959, 20855),

Gene: Che8_16 Start: 14833, Stop: 16542, Start Num: 132

Candidate Starts for Che8_16:

(Start: 132 @14833 has 199 MA's), (198, 14920), (210, 14941), (Start: 228 @14965 has 2 MA's), (237, 14989), (244, 15010), (277, 15094), (282, 15100), (290, 15118), (301, 15148), (349, 15253), (383, 15313), (398, 15334), (404, 15343), (411, 15361), (415, 15367), (438, 15442), (481, 15493), (486, 15508), (488, 15514), (501, 15550), (503, 15553), (509, 15565), (510, 15571), (523, 15619), (530, 15631), (531, 15637), (586, 15697), (590, 15709), (606, 15745), (612, 15757), (644, 15832), (647, 15841), (656, 15859), (659, 15865), (671, 15895), (755, 16000), (761, 16009), (764, 16012), (785, 16048), (802, 16084), (803, 16087), (813, 16126), (844, 16225), (851, 16246), (862, 16279), (877, 16309), (885, 16336), (886, 16339), (889, 16348), (891, 16354), (905, 16369), (906, 16372), (914, 16393), (916, 16396), (940, 16438), (947, 16468), (959, 16510),

Gene: Che9d_19 Start: 13752, Stop: 15416, Start Num: 150

Candidate Starts for Che9d_19:

(Start: 150 @13752 has 25 MA's), (204, 13833), (Start: 220 @13863 has 45 MA's), (236, 13884), (240, 13896), (265, 13962), (306, 14001), (310, 14013), (323, 14037), (358, 14094), (360, 14097), (373, 14121), (376, 14127), (377, 14130), (407, 14175), (415, 14193), (426, 14229), (470, 14340), (488, 14376), (495, 14403), (501, 14415), (503, 14418), (506, 14427), (516, 14460), (520, 14472), (527, 14496), (658, 14742), (675, 14769), (679, 14781), (703, 14832), (708, 14847), (751, 14901), (773, 14928), (845, 15090), (846, 15093), (847, 15096), (890, 15213), (907, 15255), (943, 15339), (957, 15384), (961, 15402),

Gene: CheeseTouch_20 Start: 16421, Stop: 18118, Start Num: 145

Candidate Starts for CheeseTouch_20:

(Start: 121 @16382 has 1 MA's), (Start: 145 @16421 has 749 MA's), (Start: 156 @16433 has 4 MA's), (205, 16511), (216, 16532), (244, 16580), (247, 16589), (261, 16631), (303, 16667), (329, 16724), (360, 16772), (375, 16799), (463, 16997), (469, 17015), (478, 17024), (481, 17030), (495, 17078), (508, 17108), (519, 17144), (527, 17171), (528, 17174), (549, 17225), (584, 17255), (594, 17282), (606, 17309), (632, 17381), (655, 17420), (687, 17474), (700, 17516), (730, 17591), (783, 17654), (796, 17681), (798, 17684), (804, 17699), (841, 17783), (844, 17792), (845, 17795), (847, 17801), (851, 17813), (853, 17816), (863, 17846), (866, 17852), (875, 17873), (877, 17876), (894, 17930), (907, 17960), (909, 17969), (937, 18020), (947, 18053), (951, 18065), (956, 18083),

Gene: CheetoDust_23 Start: 17165, Stop: 18931, Start Num: 145

Candidate Starts for CheetoDust_23:

(Start: 145 @17165 has 749 MA's), (Start: 170 @17195 has 1 MA's), (251, 17354), (261, 17387), (276, 17417), (291, 17450), (298, 17462), (338, 17552), (361, 17594), (404, 17666), (409, 17675), (422, 17714), (436, 17759), (443, 17780), (444, 17783), (482, 17837), (488, 17855), (504, 17897), (508, 17903), (516, 17930), (586, 18068), (593, 18086), (612, 18128), (619, 18146), (628, 18176), (647, 18203), (693, 18308), (797, 18467), (809, 18503), (820, 18533), (823, 18542), (845, 18617), (862, 18668), (950, 18863), (960, 18902), (961, 18905), (971, 18923),

Gene: Cheetobro_24 Start: 18630, Stop: 20417, Start Num: 145

Candidate Starts for Cheetobro_24:

(Start: 121 @18591 has 1 MA's), (Start: 138 @18621 has 25 MA's), (Start: 143 @18627 has 53 MA's), (Start: 145 @18630 has 749 MA's), (Start: 193 @18687 has 1 MA's), (222, 18735), (Start: 239 @18774 has 1 MA's), (244, 18789), (251, 18807), (261, 18840), (276, 18870), (298, 18915), (304, 18933), (338, 19005), (341, 19011), (357, 19041), (395, 19107), (404, 19119), (456, 19254), (486, 19302), (488, 19308), (493, 19326), (508, 19356), (520, 19395), (586, 19521), (612, 19581), (613, 19584), (620, 19602), (623, 19617), (693, 19785), (710, 19839), (754, 19884), (781, 19929), (797, 19953), (808, 19986), (820, 20019), (841, 20091), (845, 20103), (862, 20154), (865, 20160), (914, 20262), (960, 20388), (971, 20409),

Gene: Cherrybomb426_18 Start: 16640, Stop: 18403, Start Num: 138

Candidate Starts for Cherrybomb426_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: CherryonLim_19 Start: 16167, Stop: 17864, Start Num: 135

Candidate Starts for CherryonLim_19:

(Start: 135 @16167 has 8 MA's), (Start: 145 @16170 has 749 MA's), (213, 16269), (Start: 239 @16311 has 1 MA's), (247, 16332), (379, 16551), (433, 16668), (442, 16695), (463, 16740), (470, 16758), (481, 16773), (486, 16788), (506, 16845), (516, 16878), (520, 16890), (565, 16977), (582, 16995), (592, 17025), (606, 17055), (613, 17070), (628, 17118), (654, 17169), (675, 17205), (680, 17220), (689, 17238), (708, 17295), (796, 17424), (802, 17436), (844, 17535), (845, 17538), (851, 17556), (881, 17634), (890, 17661), (907, 17703), (961, 17850), (965, 17856),

Gene: Chevrolet_15 Start: 14845, Stop: 16554, Start Num: 132

Candidate Starts for Chevrolet_15:

(Start: 132 @14845 has 199 MA's), (198, 14932), (Start: 228 @14977 has 2 MA's), (237, 15001), (277, 15106), (282, 15112), (290, 15130), (301, 15160), (349, 15265), (383, 15325), (398, 15346), (404, 15355), (411, 15373), (415, 15379), (438, 15454), (442, 15466), (459, 15481), (467, 15487), (481, 15505), (486, 15520), (488, 15526), (494, 15547), (501, 15562), (503, 15565), (509, 15577), (510, 15583), (523, 15631), (530, 15643), (531, 15649), (586, 15709), (590, 15721), (606, 15757), (612, 15769), (613, 15772), (620, 15790), (644, 15844), (647, 15853), (656, 15871), (659, 15877), (755, 16012), (761, 16021), (764, 16024), (785, 16060), (803, 16099), (813, 16138), (844, 16237), (851, 16258), (862, 16291), (877, 16321), (886, 16351), (888, 16357), (889, 16360), (891, 16366), (905, 16381), (906, 16384), (916, 16408), (940, 16450), (959, 16522), (960, 16528),

Gene: Chewbacca_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Chewbacca_18:

(Start: 134 @14989 has 40 MA's), (161, 15016), (Start: 228 @15121 has 2 MA's), (232, 15133), (245, 15169), (263, 15220), (277, 15250), (282, 15256), (294, 15283), (296, 15289), (349, 15409), (379,

15463), (383, 15469), (395, 15487), (404, 15499), (406, 15502), (415, 15523), (427, 15565), (438, 15598), (481, 15649), (486, 15664), (501, 15706), (509, 15721), (510, 15727), (523, 15775), (535, 15799), (554, 15829), (586, 15853), (612, 15913), (616, 15925), (636, 15979), (644, 15988), (670, 16048), (671, 16051), (755, 16156), (761, 16165), (785, 16204), (832, 16342), (885, 16492), (886, 16495), (889, 16504), (905, 16525), (916, 16552), (938, 16588), (965, 16681),

Gene: ChewyVIII_56 Start: 38189, Stop: 39760, Start Num: 266

Candidate Starts for ChewyVIII_56:

(238, 38114), (Start: 266 @38189 has 1 MA's), (330, 38300), (345, 38333), (381, 38396), (442, 38519), (452, 38549), (464, 38573), (481, 38606), (489, 38630), (517, 38702), (539, 38753), (572, 38810), (596, 38864), (616, 38915), (691, 39083), (705, 39125), (748, 39227), (810, 39338), (825, 39386), (851, 39467), (865, 39506), (907, 39581), (913, 39599), (920, 39611), (947, 39686), (951, 39698), (956, 39716),

Gene: Chickadee_32 Start: 27527, Stop: 29146, Start Num: 192

Candidate Starts for Chickadee_32:

(Start: 192 @27527 has 10 MA's), (205, 27548), (237, 27611), (289, 27734), (294, 27746), (310, 27803), (354, 27881), (420, 28004), (489, 28118), (500, 28148), (516, 28190), (537, 28253), (586, 28301), (589, 28310), (612, 28361), (628, 28409), (700, 28574), (755, 28604), (806, 28703), (808, 28712), (809, 28715), (824, 28760), (839, 28817), (841, 28823), (843, 28829), (859, 28877), (862, 28886), (865, 28892), (867, 28895), (886, 28946), (909, 28991), (941, 29060), (956, 29108), (959, 29120),

Gene: ChickenDinner_17 Start: 14677, Stop: 16386, Start Num: 132

Candidate Starts for ChickenDinner_17:

(Start: 132 @14677 has 199 MA's), (198, 14764), (Start: 228 @14809 has 2 MA's), (237, 14833), (277, 14938), (282, 14944), (290, 14962), (294, 14971), (301, 14992), (349, 15097), (383, 15157), (389, 15166), (398, 15178), (404, 15187), (415, 15211), (425, 15247), (427, 15253), (431, 15265), (438, 15286), (439, 15289), (442, 15298), (459, 15313), (467, 15319), (481, 15337), (486, 15352), (488, 15358), (493, 15376), (494, 15379), (501, 15394), (509, 15409), (510, 15415), (523, 15463), (530, 15475), (531, 15481), (586, 15541), (590, 15553), (595, 15562), (606, 15589), (612, 15601), (644, 15676), (647, 15685), (656, 15703), (659, 15709), (671, 15739), (755, 15844), (761, 15853), (764, 15856), (785, 15892), (813, 15970), (844, 16069), (851, 16090), (862, 16123), (877, 16153), (886, 16183), (888, 16189), (889, 16192), (891, 16198), (905, 16213), (906, 16216), (914, 16237), (916, 16240), (940, 16282), (959, 16354), (960, 16360),

Gene: ChipMunk_30 Start: 20600, Stop: 22372, Start Num: 145

Candidate Starts for ChipMunk_30:

(Start: 128 @20576 has 10 MA's), (Start: 145 @20600 has 749 MA's), (216, 20699), (256, 20783), (303, 20834), (304, 20837), (347, 20909), (349, 20912), (381, 20966), (407, 21005), (434, 21083), (470, 21170), (504, 21251), (507, 21254), (617, 21527), (668, 21632), (675, 21647), (717, 21773), (720, 21779), (757, 21827), (765, 21836), (779, 21857), (795, 21890), (802, 21905), (804, 21911), (821, 21965), (832, 22004), (836, 22019), (865, 22103), (907, 22214),

Gene: Chop_22 Start: 17878, Stop: 19584, Start Num: 187

Candidate Starts for Chop_22:

(131, 17803), (Start: 187 @17878 has 15 MA's), (Start: 239 @17971 has 1 MA's), (244, 17986), (246, 17992), (275, 18067), (305, 18139), (359, 18250), (384, 18295), (395, 18313), (404, 18325), (486, 18496), (489, 18505), (491, 18511), (523, 18607), (542, 18658), (616, 18781), (628, 18820), (691, 18952), (758, 19066), (808, 19153), (844, 19267), (847, 19276), (886, 19381), (936, 19468), (971, 19576),

Gene: ChosenOne_23 Start: 18953, Stop: 20632, Start Num: 137

Candidate Starts for ChosenOne_23:

(Start: 137 @18953 has 84 MA's), (Start: 197 @19037 has 47 MA's), (Start: 239 @19115 has 1 MA's), (272, 19202), (282, 19217), (301, 19265), (315, 19304), (363, 19391), (380, 19424), (404, 19460), (417, 19490), (418, 19496), (441, 19565), (483, 19595), (487, 19607), (488, 19610), (510, 19667), (587, 19799), (589, 19805), (617, 19871), (620, 19877), (626, 19901), (647, 19949), (659, 19973), (665, 19982), (695, 20057), (761, 20108), (772, 20123), (833, 20285), (841, 20312), (851, 20342), (890, 20447), (938, 20525), (947, 20561), (950, 20570), (959, 20603), (965, 20618),

Gene: ChotaBhai_24 Start: 19079, Stop: 20674, Start Num: 197

Candidate Starts for ChotaBhai_24:

(Start: 137 @18995 has 84 MA's), (Start: 197 @19079 has 47 MA's), (Start: 239 @19157 has 1 MA's), (272, 19244), (282, 19259), (301, 19307), (315, 19346), (363, 19433), (380, 19466), (404, 19502), (417, 19532), (418, 19538), (441, 19607), (483, 19637), (487, 19649), (488, 19652), (510, 19709), (587, 19841), (589, 19847), (617, 19913), (620, 19919), (626, 19943), (647, 19991), (659, 20015), (665, 20024), (695, 20099), (761, 20150), (772, 20165), (833, 20327), (841, 20354), (851, 20384), (890, 20489), (938, 20567), (947, 20603), (950, 20612), (959, 20645), (965, 20660),

Gene: Chris_22 Start: 16379, Stop: 18145, Start Num: 145

Candidate Starts for Chris_22:

(Start: 121 @16340 has 1 MA's), (Start: 138 @16370 has 25 MA's), (Start: 145 @16379 has 749 MA's), (Start: 170 @16409 has 1 MA's), (Start: 239 @16535 has 1 MA's), (244, 16550), (261, 16601), (291, 16664), (341, 16772), (357, 16802), (404, 16880), (409, 16889), (422, 16928), (437, 16976), (443, 16994), (464, 17033), (465, 17036), (482, 17051), (486, 17063), (488, 17069), (493, 17087), (504, 17111), (508, 17117), (516, 17144), (527, 17180), (586, 17282), (593, 17300), (619, 17360), (669, 17462), (675, 17474), (693, 17522), (700, 17546), (742, 17597), (763, 17636), (797, 17681), (808, 17714), (810, 17720), (820, 17747), (841, 17819), (845, 17831), (862, 17882), (865, 17888), (909, 17981), (938, 18032), (950, 18077), (971, 18137),

Gene: Chuckly_16 Start: 14978, Stop: 16687, Start Num: 132

Candidate Starts for Chuckly_16:

(Start: 132 @14978 has 199 MA's), (198, 15065), (Start: 228 @15110 has 2 MA's), (237, 15134), (277, 15239), (282, 15245), (290, 15263), (301, 15293), (349, 15398), (383, 15458), (398, 15479), (404, 15488), (415, 15512), (438, 15587), (481, 15638), (486, 15653), (488, 15659), (501, 15695), (503, 15698), (509, 15710), (510, 15716), (523, 15764), (530, 15776), (531, 15782), (586, 15842), (590, 15854), (606, 15890), (612, 15902), (644, 15977), (647, 15986), (656, 16004), (659, 16010), (671, 16040), (755, 16145), (761, 16154), (764, 16157), (785, 16193), (813, 16271), (844, 16370), (851, 16391), (862, 16424), (877, 16454), (886, 16484), (889, 16493), (891, 16499), (905, 16514), (906, 16517), (916, 16541), (935, 16571), (940, 16583), (947, 16613), (959, 16655),

Gene: Chupacabra_27 Start: 19785, Stop: 21563, Start Num: 145

Candidate Starts for Chupacabra_27:

(Start: 128 @19761 has 10 MA's), (Start: 145 @19785 has 749 MA's), (Start: 191 @19842 has 1 MA's), (199, 19857), (233, 19911), (297, 20013), (303, 20025), (304, 20028), (349, 20103), (361, 20118), (381, 20157), (434, 20274), (440, 20292), (470, 20361), (501, 20436), (516, 20475), (528, 20514), (560, 20601), (582, 20631), (587, 20646), (609, 20694), (623, 20739), (627, 20751), (629, 20757), (674, 20835), (675, 20838), (708, 20931), (710, 20940), (717, 20964), (720, 20970), (729, 20985), (757, 21018), (791, 21069), (798, 21087), (810, 21126), (811, 21132), (845, 21237), (865, 21294), (877, 21318), (879, 21324), (905, 21399), (907, 21405), (909, 21414), (959, 21540),

Gene: Ciao_27 Start: 21042, Stop: 22844, Start Num: 148

Candidate Starts for Ciao_27:

(Start: 148 @21042 has 202 MA's), (Start: 166 @21063 has 28 MA's), (Start: 191 @21105 has 1 MA's), (215, 21150), (349, 21366), (376, 21411), (381, 21420), (407, 21459), (425, 21510), (426,

21513), (507, 21708), (528, 21777), (616, 21978), (617, 21981), (623, 22002), (674, 22098), (675, 22101), (677, 22107), (701, 22176), (708, 22194), (710, 22203), (720, 22233), (779, 22329), (795, 22362), (802, 22377), (845, 22518), (865, 22575), (907, 22686),

Gene: CicholasNage_18 Start: 16748, Stop: 18517, Start Num: 130

Candidate Starts for CicholasNage_18:

(Start: 98 @16685 has 1 MA's), (106, 16706), (Start: 114 @16721 has 2 MA's), (Start: 130 @16748 has 38 MA's), (194, 16841), (Start: 220 @16889 has 45 MA's), (225, 16895), (245, 16922), (246, 16925), (248, 16931), (274, 17003), (281, 17012), (301, 17036), (306, 17051), (323, 17081), (397, 17207), (403, 17216), (413, 17237), (418, 17252), (440, 17321), (451, 17357), (467, 17378), (494, 17447), (510, 17486), (583, 17624), (587, 17636), (616, 17711), (619, 17717), (623, 17735), (638, 17774), (657, 17807), (661, 17816), (669, 17825), (674, 17834), (716, 17957), (732, 17993), (787, 18041), (794, 18053), (824, 18107), (854, 18203), (859, 18221), (861, 18227), (862, 18230), (879, 18263), (886, 18287), (912, 18350), (932, 18392), (944, 18431), (950, 18449), (956, 18470), (961, 18491),

Gene: Cici_27 Start: 19820, Stop: 21619, Start Num: 145

Candidate Starts for Cici_27:

(Start: 128 @19796 has 10 MA's), (Start: 145 @19820 has 749 MA's), (Start: 150 @19826 has 25 MA's), (Start: 191 @19880 has 1 MA's), (233, 19949), (261, 20027), (297, 20051), (304, 20066), (328, 20102), (349, 20141), (361, 20156), (381, 20195), (426, 20288), (434, 20312), (470, 20399), (516, 20513), (528, 20552), (560, 20639), (587, 20684), (616, 20753), (623, 20777), (627, 20789), (675, 20876), (701, 20951), (708, 20969), (710, 20978), (717, 21002), (720, 21008), (729, 21023), (749, 21056), (777, 21101), (779, 21104), (791, 21125), (865, 21350), (894, 21428), (905, 21455), (907, 21461), (959, 21596),

Gene: Cindaradix_26 Start: 19557, Stop: 21350, Start Num: 150

Candidate Starts for Cindaradix_26:

(Start: 128 @19527 has 10 MA's), (Start: 145 @19551 has 749 MA's), (Start: 150 @19557 has 25 MA's), (Start: 191 @19611 has 1 MA's), (233, 19680), (261, 19758), (297, 19782), (304, 19797), (328, 19833), (349, 19872), (361, 19887), (381, 19926), (426, 20019), (434, 20043), (470, 20130), (516, 20244), (528, 20283), (560, 20370), (587, 20415), (616, 20484), (623, 20508), (627, 20520), (675, 20607), (701, 20682), (708, 20700), (710, 20709), (717, 20733), (720, 20739), (729, 20754), (749, 20787), (777, 20832), (779, 20835), (791, 20856), (865, 21081), (905, 21186), (907, 21192), (959, 21327),

Gene: Cintron_27 Start: 19875, Stop: 21653, Start Num: 145

Candidate Starts for Cintron_27:

(Start: 128 @19851 has 10 MA's), (Start: 145 @19875 has 749 MA's), (Start: 191 @19932 has 1 MA's), (Start: 220 @19986 has 45 MA's), (233, 20001), (240, 20019), (297, 20103), (303, 20115), (304, 20118), (349, 20193), (361, 20208), (381, 20247), (434, 20364), (470, 20451), (504, 20532), (521, 20580), (528, 20604), (560, 20691), (587, 20736), (617, 20808), (623, 20829), (629, 20847), (675, 20928), (708, 21021), (710, 21030), (717, 21054), (720, 21060), (731, 21084), (779, 21138), (791, 21159), (808, 21210), (815, 21234), (833, 21288), (865, 21384), (905, 21489), (909, 21504), (954, 21612), (959, 21630),

Gene: Citius_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Citius_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090),

(791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Cjw1_24 Start: 20668, Stop: 22185, Start Num: 239

Candidate Starts for Cjw1_24:

(Start: 137 @20506 has 84 MA's), (Start: 197 @20590 has 47 MA's), (Start: 239 @20668 has 1 MA's), (272, 20755), (282, 20770), (301, 20818), (315, 20857), (363, 20944), (380, 20977), (404, 21013), (417, 21043), (418, 21049), (441, 21118), (483, 21148), (487, 21160), (488, 21163), (510, 21220), (587, 21352), (589, 21358), (617, 21424), (620, 21430), (626, 21454), (647, 21502), (659, 21526), (665, 21535), (695, 21610), (761, 21661), (772, 21676), (833, 21838), (841, 21865), (851, 21895), (890, 22000), (938, 22078), (947, 22114), (950, 22123), (959, 22156), (965, 22171),

Gene: ClamChowder_33 Start: 26575, Stop: 28341, Start Num: 107

Candidate Starts for ClamChowder_33:

(90, 26533), (Start: 107 @26575 has 72 MA's), (Start: 126 @26611 has 1 MA's), (Start: 150 @26644 has 25 MA's), (263, 26854), (265, 26857), (303, 26887), (333, 26953), (349, 26977), (356, 26986), (375, 27019), (443, 27172), (463, 27211), (487, 27262), (491, 27274), (495, 27292), (501, 27304), (506, 27316), (510, 27331), (520, 27361), (521, 27364), (527, 27385), (583, 27457), (602, 27505), (649, 27616), (669, 27649), (687, 27691), (710, 27763), (753, 27829), (759, 27841), (845, 28012), (846, 28015), (862, 28063), (875, 28090), (884, 28117), (905, 28171), (951, 28288), (957, 28309), (966, 28336),

Gene: Clap_17 Start: 14758, Stop: 16467, Start Num: 269

Candidate Starts for Clap_17:

(Start: 269 @14758 has 31 MA's), (324, 14875), (405, 15025), (424, 15064), (429, 15079), (452, 15148), (459, 15160), (489, 15238), (490, 15241), (532, 15373), (547, 15427), (581, 15508), (605, 15568), (608, 15574), (610, 15580), (649, 15661), (671, 15697), (688, 15733), (694, 15751), (707, 15790), (731, 15862), (745, 15886), (841, 16120), (846, 16135), (860, 16177), (893, 16270), (894, 16273), (918, 16321), (932, 16351),

Gene: Clarenza_27 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for Clarenza_27:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (833, 21237), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: Clark_20 Start: 17346, Stop: 18926, Start Num: 268

Candidate Starts for Clark_20:

(217, 17229), (Start: 268 @17346 has 52 MA's), (418, 17604), (425, 17625), (443, 17679), (459, 17718), (482, 17775), (489, 17796), (582, 17967), (588, 17985), (601, 18009), (608, 18030), (628, 18072), (671, 18153), (705, 18243), (720, 18288), (745, 18345), (748, 18348), (779, 18402), (813, 18492), (913, 18771), (918, 18780), (932, 18810),

Gene: Clarkson_51 Start: 27400, Stop: 29112, Start Num: 166

Candidate Starts for Clarkson_51:

(120, 27337), (Start: 166 @27400 has 28 MA's), (211, 27481), (246, 27538), (276, 27619), (281, 27625), (317, 27682), (323, 27694), (329, 27706), (352, 27745), (363, 27760), (403, 27829), (423, 27883), (426, 27892), (491, 28048), (510, 28096), (512, 28105), (516, 28114), (528, 28153), (535, 28168), (583, 28231), (587, 28243), (629, 28360), (657, 28414), (673, 28441), (675, 28444), (682,

28465), (698, 28507), (777, 28627), (787, 28645), (847, 28789), (862, 28834), (871, 28852), (904, 28936), (907, 28945), (912, 28963), (925, 28984), (944, 29029), (946, 29035), (950, 29047), (953, 29059), (957, 29071), (965, 29095), (969, 29101),

Gene: Claus_18 Start: 16970, Stop: 18703, Start Num: 165

Candidate Starts for Claus_18:

(Start: 165 @16970 has 28 MA's), (205, 17039), (274, 17180), (276, 17183), (301, 17213), (306, 17228), (326, 17261), (350, 17306), (379, 17360), (397, 17387), (405, 17399), (423, 17450), (425, 17456), (436, 17489), (500, 17642), (510, 17666), (512, 17675), (527, 17720), (547, 17771), (626, 17933), (657, 17996), (691, 18068), (703, 18104), (773, 18203), (783, 18224), (787, 18230), (794, 18242), (826, 18305), (854, 18392), (862, 18419), (879, 18452), (890, 18488), (897, 18503), (905, 18515), (912, 18539), (944, 18617), (950, 18635),

Gene: Clautastrophe_19 Start: 17373, Stop: 19136, Start Num: 130

Candidate Starts for Clautastrophe_19:

(Start: 130 @17373 has 38 MA's), (155, 17400), (194, 17463), (Start: 220 @17511 has 45 MA's), (225, 17517), (248, 17553), (276, 17628), (297, 17652), (301, 17658), (329, 17715), (397, 17829), (405, 17841), (443, 17952), (507, 18096), (510, 18108), (521, 18141), (616, 18330), (619, 18336), (638, 18393), (661, 18435), (669, 18444), (675, 18456), (701, 18531), (729, 18600), (732, 18612), (787, 18660), (824, 18726), (847, 18804), (862, 18849), (886, 18906), (912, 18969), (930, 19005), (936, 19020), (944, 19050), (946, 19056), (950, 19068), (952, 19077), (956, 19089),

Gene: Cleo_18 Start: 15991, Stop: 17682, Start Num: 145

Candidate Starts for Cleo_18:

(Start: 145 @15991 has 749 MA's), (Start: 220 @16105 has 45 MA's), (240, 16138), (360, 16339), (379, 16375), (423, 16462), (463, 16564), (481, 16597), (485, 16609), (486, 16612), (506, 16669), (516, 16702), (521, 16717), (530, 16744), (541, 16783), (582, 16819), (584, 16825), (606, 16879), (616, 16903), (628, 16942), (631, 16948), (674, 17020), (680, 17038), (686, 17047), (689, 17056), (708, 17113), (712, 17131), (796, 17242), (802, 17254), (818, 17281), (844, 17353), (845, 17356), (881, 17452), (890, 17479), (902, 17503), (907, 17521),

Gene: Clifton_16 Start: 14762, Stop: 16471, Start Num: 132

Candidate Starts for Clifton_16:

(Start: 132 @14762 has 199 MA's), (198, 14849), (Start: 228 @14894 has 2 MA's), (237, 14918), (277, 15023), (282, 15029), (290, 15047), (301, 15077), (349, 15182), (383, 15242), (398, 15263), (404, 15272), (415, 15296), (481, 15422), (486, 15437), (488, 15443), (501, 15479), (503, 15482), (509, 15494), (510, 15500), (523, 15548), (530, 15560), (531, 15566), (586, 15626), (590, 15638), (606, 15674), (612, 15686), (644, 15761), (647, 15770), (656, 15788), (659, 15794), (671, 15824), (755, 15929), (761, 15938), (764, 15941), (785, 15977), (813, 16055), (844, 16154), (851, 16175), (862, 16208), (877, 16238), (886, 16268), (889, 16277), (891, 16283), (905, 16298), (906, 16301), (916, 16325), (935, 16355), (940, 16367), (947, 16397), (959, 16439),

Gene: CloudWang3_31 Start: 19949, Stop: 21745, Start Num: 128

Candidate Starts for CloudWang3_31:

(103, 19907), (Start: 128 @19949 has 10 MA's), (Start: 145 @19973 has 749 MA's), (304, 20210), (347, 20282), (349, 20285), (361, 20300), (381, 20339), (385, 20345), (434, 20456), (436, 20462), (448, 20501), (470, 20543), (488, 20582), (504, 20624), (507, 20627), (560, 20783), (624, 20924), (629, 20939), (720, 21152), (791, 21251), (802, 21278), (817, 21329), (821, 21338), (832, 21377), (836, 21392), (865, 21476), (905, 21581), (907, 21587), (959, 21722),

Gene: Clown_35 Start: 28603, Stop: 30369, Start Num: 107

Candidate Starts for Clown_35:

(86, 28540), (Start: 107 @28603 has 72 MA's), (Start: 150 @28672 has 25 MA's), (263, 28882), (265, 28885), (267, 28888), (303, 28915), (333, 28981), (349, 29005), (356, 29014), (427, 29152), (439, 29188), (495, 29320), (501, 29332), (506, 29344), (510, 29359), (520, 29389), (527, 29413), (535, 29431), (583, 29485), (602, 29533), (603, 29536), (623, 29593), (629, 29611), (649, 29644), (669, 29677), (674, 29686), (676, 29692), (710, 29791), (753, 29857), (845, 30040), (846, 30043), (849, 30052), (862, 30091), (875, 30118), (884, 30145), (886, 30151), (905, 30199), (907, 30205), (913, 30226), (951, 30316), (957, 30337),

Gene: ClubL_48 Start: 29531, Stop: 31222, Start Num: 154

Candidate Starts for ClubL_48:

(Start: 154 @29531 has 21 MA's), (Start: 193 @29591 has 1 MA's), (208, 29624), (229, 29657), (276, 29783), (291, 29816), (295, 29825), (351, 29954), (378, 30002), (510, 30215), (511, 30221), (520, 30245), (600, 30374), (606, 30395), (620, 30428), (695, 30626), (810, 30779), (841, 30878), (845, 30890), (848, 30899), (880, 30983), (948, 31130), (958, 31166), (961, 31178),

Gene: Coco12_18 Start: 15204, Stop: 16913, Start Num: 132

Candidate Starts for Coco12_18:

(Start: 132 @15204 has 199 MA's), (198, 15291), (Start: 228 @15336 has 2 MA's), (237, 15360), (277, 15465), (282, 15471), (290, 15489), (301, 15519), (349, 15624), (383, 15684), (398, 15705), (404, 15714), (415, 15738), (438, 15813), (439, 15816), (481, 15864), (486, 15879), (488, 15885), (501, 15921), (503, 15924), (509, 15936), (510, 15942), (523, 15990), (530, 16002), (531, 16008), (586, 16068), (590, 16080), (606, 16116), (612, 16128), (644, 16203), (647, 16212), (656, 16230), (659, 16236), (671, 16266), (755, 16371), (761, 16380), (764, 16383), (785, 16419), (813, 16497), (844, 16596), (851, 16617), (862, 16650), (877, 16680), (886, 16710), (889, 16719), (891, 16725), (905, 16740), (906, 16743), (935, 16797), (940, 16809), (947, 16839), (959, 16881),

Gene: Cocoaberry_27 Start: 19831, Stop: 21609, Start Num: 145

Candidate Starts for Cocoaberry_27:

(Start: 128 @19807 has 10 MA's), (Start: 145 @19831 has 749 MA's), (Start: 191 @19888 has 1 MA's), (Start: 220 @19942 has 45 MA's), (233, 19957), (240, 19975), (297, 20059), (303, 20071), (304, 20074), (349, 20149), (361, 20164), (381, 20203), (434, 20320), (470, 20407), (504, 20488), (521, 20536), (528, 20560), (560, 20647), (587, 20692), (617, 20764), (623, 20785), (629, 20803), (675, 20884), (708, 20977), (710, 20986), (717, 21010), (720, 21016), (731, 21040), (779, 21094), (791, 21115), (808, 21166), (815, 21190), (833, 21244), (865, 21340), (905, 21445), (909, 21460), (954, 21568), (959, 21586),

Gene: CoffeeBean_45 Start: 31300, Stop: 32874, Start Num: 264

Candidate Starts for CoffeeBean_45:

(Start: 264 @31300 has 7 MA's), (Start: 269 @31309 has 31 MA's), (302, 31363), (311, 31387), (322, 31390), (455, 31660), (484, 31723), (489, 31738), (535, 31855), (539, 31870), (572, 31927), (578, 31936), (594, 31978), (604, 31999), (615, 32029), (635, 32086), (677, 32161), (711, 32257), (756, 32362), (757, 32365), (774, 32392), (814, 32470), (827, 32509), (884, 32665), (922, 32731),

Gene: Colbster_29 Start: 20379, Stop: 22175, Start Num: 145

Candidate Starts for Colbster_29:

(Start: 145 @20379 has 749 MA's), (Start: 191 @20436 has 1 MA's), (199, 20451), (216, 20484), (233, 20505), (Start: 239 @20520 has 1 MA's), (297, 20607), (303, 20619), (304, 20622), (349, 20697), (361, 20712), (379, 20748), (470, 20955), (516, 21069), (528, 21108), (560, 21195), (616, 21309), (623, 21333), (629, 21351), (675, 21432), (701, 21507), (708, 21525), (717, 21558), (720, 21564), (739, 21603), (777, 21657), (779, 21660), (791, 21681), (810, 21738), (865, 21906), (905, 22011), (907, 22017), (959, 22152),

Gene: Coleslaw_18 Start: 16640, Stop: 18394, Start Num: 164

Candidate Starts for Coleslaw_18:

(Start: 138 @16631 has 25 MA's), (Start: 164 @16640 has 42 MA's), (Start: 168 @16646 has 2 MA's), (172, 16652), (244, 16784), (261, 16835), (276, 16865), (Start: 288 @16889 has 1 MA's), (335, 16991), (353, 17030), (357, 17036), (365, 17051), (392, 17096), (439, 17216), (466, 17273), (488, 17312), (508, 17360), (516, 17387), (520, 17399), (548, 17480), (586, 17525), (675, 17723), (687, 17753), (693, 17771), (701, 17798), (760, 17882), (778, 17900), (792, 17915), (808, 17963), (812, 17978), (833, 18041), (851, 18098), (865, 18137), (882, 18179), (909, 18230), (950, 18326), (971, 18386),

Gene: Colin_32 Start: 21871, Stop: 23667, Start Num: 128

Candidate Starts for Colin_32:

(Start: 128 @21871 has 10 MA's), (Start: 145 @21895 has 749 MA's), (303, 22129), (304, 22132), (347, 22204), (349, 22207), (381, 22261), (385, 22267), (407, 22300), (434, 22378), (470, 22465), (504, 22546), (507, 22549), (516, 22579), (617, 22822), (629, 22861), (657, 22912), (668, 22927), (675, 22942), (720, 23074), (757, 23122), (779, 23152), (785, 23164), (802, 23200), (804, 23206), (821, 23260), (836, 23314), (865, 23398), (890, 23464), (905, 23503), (907, 23509),

Gene: Collard_21 Start: 17552, Stop: 19324, Start Num: 150

Candidate Starts for Collard_21:

(Start: 150 @17552 has 25 MA's), (155, 17558), (172, 17582), (Start: 193 @17615 has 1 MA's), (222, 17663), (244, 17717), (261, 17768), (291, 17831), (341, 17939), (404, 18047), (443, 18161), (444, 18164), (465, 18203), (482, 18218), (486, 18230), (488, 18236), (501, 18272), (504, 18278), (508, 18284), (520, 18323), (527, 18347), (586, 18449), (613, 18512), (693, 18692), (754, 18791), (802, 18869), (808, 18893), (810, 18899), (822, 18932), (845, 19010), (847, 19016), (914, 19169), (955, 19274), (956, 19277), (960, 19295),

Gene: Colleen_19 Start: 17425, Stop: 19089, Start Num: 148

Candidate Starts for Colleen_19:

(Start: 148 @17425 has 202 MA's), (174, 17458), (329, 17716), (376, 17794), (433, 17917), (436, 17926), (437, 17929), (440, 17938), (443, 17947), (507, 18088), (510, 18100), (527, 18154), (607, 18289), (621, 18322), (625, 18340), (629, 18352), (636, 18367), (674, 18427), (681, 18448), (685, 18457), (708, 18523), (717, 18556), (757, 18586), (762, 18592), (765, 18595), (802, 18664), (844, 18763), (847, 18772), (906, 18928), (909, 18940),

Gene: Command613_25 Start: 20014, Stop: 21693, Start Num: 137

Candidate Starts for Command613_25:

(Start: 137 @20014 has 84 MA's), (Start: 197 @20098 has 47 MA's), (Start: 239 @20176 has 1 MA's), (272, 20263), (282, 20278), (301, 20326), (315, 20365), (363, 20452), (380, 20485), (404, 20521), (417, 20551), (418, 20557), (441, 20626), (483, 20656), (487, 20668), (488, 20671), (510, 20728), (587, 20860), (589, 20866), (617, 20932), (620, 20938), (626, 20962), (647, 21010), (659, 21034), (665, 21043), (695, 21118), (761, 21169), (772, 21184), (833, 21346), (841, 21373), (851, 21403), (890, 21508), (938, 21586), (947, 21622), (950, 21631), (959, 21664), (965, 21679),

Gene: Commandaria_43 Start: 31143, Stop: 32756, Start Num: 260

Candidate Starts for Commandaria_43:

(Start: 260 @31143 has 35 MA's), (Start: 288 @31179 has 1 MA's), (295, 31197), (306, 31230), (322, 31257), (430, 31458), (452, 31524), (484, 31590), (489, 31605), (527, 31716), (538, 31746), (539, 31749), (569, 31794), (572, 31806), (592, 31854), (594, 31857), (643, 31983), (671, 32028), (674, 32031), (688, 32070), (704, 32118), (756, 32244), (780, 32280), (844, 32445), (851, 32466), (880, 32535), (909, 32589), (922, 32613), (947, 32685), (964, 32742),

Gene: Commander_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Commander_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Conceptll_29 Start: 22056, Stop: 23858, Start Num: 148

Candidate Starts for Conceptll_29:

(Start: 148 @22056 has 202 MA's), (Start: 166 @22077 has 28 MA's), (Start: 191 @22119 has 1 MA's), (215, 22164), (349, 22380), (376, 22425), (381, 22434), (407, 22473), (425, 22524), (426, 22527), (463, 22620), (507, 22722), (528, 22791), (616, 22992), (617, 22995), (623, 23016), (674, 23112), (675, 23115), (677, 23121), (701, 23190), (708, 23208), (710, 23217), (720, 23247), (779, 23343), (795, 23376), (802, 23391), (845, 23532), (865, 23589), (907, 23700),

Gene: Confidence_20 Start: 17560, Stop: 19266, Start Num: 145

Candidate Starts for Confidence_20:

(Start: 129 @17536 has 45 MA's), (Start: 145 @17560 has 749 MA's), (216, 17665), (242, 17707), (285, 17782), (349, 17896), (423, 18043), (425, 18049), (500, 18232), (525, 18307), (631, 18514), (674, 18589), (681, 18610), (708, 18685), (759, 18772), (787, 18808), (793, 18817), (802, 18841), (804, 18847), (835, 18913), (845, 18943), (905, 19099), (907, 19105), (912, 19123), (957, 19234),

Gene: Connomayer_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Connomayer_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Conquerage_30 Start: 21779, Stop: 23569, Start Num: 145

Candidate Starts for Conquerage_30:

(Start: 143 @21776 has 53 MA's), (Start: 145 @21779 has 749 MA's), (303, 22013), (304, 22016), (347, 22088), (349, 22091), (361, 22106), (381, 22145), (385, 22151), (434, 22262), (470, 22349), (504, 22430), (507, 22433), (523, 22493), (582, 22619), (609, 22682), (617, 22706), (620, 22712), (629, 22745), (675, 22826), (717, 22952), (737, 22994), (779, 23054), (795, 23087), (802, 23102), (832, 23201), (833, 23204), (836, 23216), (865, 23300), (890, 23366), (905, 23405), (907, 23411), (928, 23456), (950, 23513), (951, 23516),

Gene: Conspiracy_24 Start: 19564, Stop: 21363, Start Num: 145

Candidate Starts for Conspiracy_24:

(Start: 145 @19564 has 749 MA's), (240, 19702), (304, 19801), (349, 19876), (379, 19927), (419, 19999), (423, 20014), (434, 20047), (436, 20053), (478, 20146), (516, 20248), (523, 20278), (527, 20284), (560, 20374), (582, 20404), (612, 20476), (616, 20488), (617, 20491), (629, 20530), (637, 20548), (674, 20608), (675, 20611), (694, 20662), (708, 20704), (777, 20845), (798, 20887), (907, 21205), (959, 21340),

Gene: Constella_31 Start: 26122, Stop: 28120, Start Num: 133

Candidate Starts for Constella_31:

(Start: 133 @26122 has 29 MA's), (Start: 197 @26212 has 47 MA's), (223, 26260), (237, 26290), (247, 26317), (291, 26419), (302, 26449), (345, 26548), (365, 26584), (367, 26590), (380, 26611), (418,

26683), (421, 26692), (427, 26713), (467, 26782), (488, 26821), (489, 26824), (493, 26839), (510, 26878), (523, 26926), (530, 26938), (531, 26944), (573, 26992), (579, 27001), (587, 27022), (595, 27040), (615, 27088), (656, 27190), (686, 27250), (691, 27262), (706, 27307), (709, 27319), (726, 27454), (727, 27460), (728, 27484), (740, 27556), (754, 27583), (852, 27832),

Gene: Contagion_23 Start: 19253, Stop: 20932, Start Num: 137

Candidate Starts for Contagion_23:

(Start: 137 @19253 has 84 MA's), (Start: 197 @19337 has 47 MA's), (Start: 239 @19415 has 1 MA's), (272, 19502), (282, 19517), (301, 19565), (315, 19604), (363, 19691), (380, 19724), (404, 19760), (417, 19790), (418, 19796), (441, 19865), (483, 19895), (487, 19907), (488, 19910), (510, 19967), (587, 20099), (589, 20105), (617, 20171), (620, 20177), (626, 20201), (647, 20249), (659, 20273), (665, 20282), (695, 20357), (761, 20408), (772, 20423), (833, 20585), (841, 20612), (851, 20642), (890, 20747), (938, 20825), (947, 20861), (950, 20870), (959, 20903), (965, 20918),

Gene: Coog_24 Start: 19707, Stop: 21503, Start Num: 145

Candidate Starts for Coog_24:

(Start: 134 @19695 has 40 MA's), (Start: 145 @19707 has 749 MA's), (Start: 220 @19812 has 45 MA's), (240, 19845), (304, 19944), (349, 20019), (361, 20034), (379, 20070), (419, 20142), (423, 20157), (436, 20196), (523, 20421), (527, 20427), (587, 20562), (612, 20619), (613, 20622), (616, 20631), (629, 20673), (637, 20691), (674, 20751), (675, 20754), (708, 20847), (710, 20856), (717, 20880), (777, 20988), (795, 21024), (865, 21234), (904, 21336), (907, 21345), (959, 21480), (961, 21489),

Gene: Cookiedough_31 Start: 19969, Stop: 21741, Start Num: 145

Candidate Starts for Cookiedough_31:

(103, 19903), (Start: 128 @19945 has 10 MA's), (Start: 145 @19969 has 749 MA's), (261, 20167), (304, 20206), (347, 20278), (349, 20281), (363, 20299), (381, 20335), (385, 20341), (434, 20452), (436, 20458), (448, 20497), (470, 20539), (488, 20578), (504, 20620), (507, 20623), (523, 20683), (624, 20920), (629, 20935), (675, 21016), (720, 21148), (802, 21274), (817, 21325), (821, 21334), (832, 21373), (833, 21376), (836, 21388), (865, 21472), (905, 21577), (907, 21583), (959, 21718),

Gene: Cookies_24 Start: 19615, Stop: 21294, Start Num: 137

Candidate Starts for Cookies_24:

(Start: 137 @19615 has 84 MA's), (Start: 197 @19699 has 47 MA's), (Start: 239 @19777 has 1 MA's), (272, 19864), (282, 19879), (301, 19927), (315, 19966), (363, 20053), (380, 20086), (404, 20122), (417, 20152), (418, 20158), (441, 20227), (483, 20257), (487, 20269), (488, 20272), (510, 20329), (587, 20461), (589, 20467), (617, 20533), (620, 20539), (626, 20563), (647, 20611), (659, 20635), (665, 20644), (695, 20719), (761, 20770), (772, 20785), (833, 20947), (841, 20974), (851, 21004), (890, 21109), (938, 21187), (947, 21223), (950, 21232), (959, 21265), (965, 21280),

Gene: Corazon_48 Start: 27353, Stop: 29065, Start Num: 166

Candidate Starts for Corazon_48:

(120, 27290), (Start: 166 @27353 has 28 MA's), (211, 27434), (246, 27491), (276, 27572), (281, 27578), (317, 27635), (323, 27647), (329, 27659), (352, 27698), (363, 27713), (403, 27782), (423, 27836), (426, 27845), (491, 28001), (510, 28049), (512, 28058), (516, 28067), (528, 28106), (535, 28121), (583, 28184), (587, 28196), (629, 28313), (631, 28316), (657, 28367), (673, 28394), (675, 28397), (682, 28418), (698, 28460), (777, 28580), (787, 28598), (847, 28742), (862, 28787), (871, 28805), (904, 28889), (907, 28898), (912, 28916), (925, 28937), (944, 28982), (946, 28988), (950, 29000), (953, 29012), (959, 29033), (965, 29048), (969, 29054),

Gene: Coriander_19 Start: 17505, Stop: 19199, Start Num: 154

Candidate Starts for Coriander_19:

(31, 17034), (57, 17184), (Start: 121 @17463 has 1 MA's), (Start: 126 @17475 has 1 MA's), (Start: 154 @17505 has 21 MA's), (216, 17607), (236, 17634), (240, 17646), (244, 17658), (265, 17715), (310, 17766), (321, 17787), (355, 17844), (360, 17850), (433, 18000), (487, 18123), (508, 18183), (519, 18219), (563, 18303), (594, 18357), (708, 18618), (749, 18690), (751, 18693), (783, 18735), (804, 18780), (845, 18876), (846, 18879), (851, 18894), (910, 19053), (912, 19059), (951, 19146), (965, 19191),

Gene: Corndog_59 Start: 34518, Stop: 36254, Start Num: 118

Candidate Starts for Corndog_59:

(Start: 113 @34509 has 2 MA's), (Start: 118 @34518 has 26 MA's), (180, 34608), (244, 34725), (256, 34761), (265, 34782), (277, 34809), (282, 34815), (295, 34845), (303, 34869), (328, 34920), (404, 35058), (408, 35064), (424, 35115), (425, 35118), (431, 35136), (481, 35187), (488, 35208), (489, 35211), (509, 35259), (510, 35265), (523, 35313), (527, 35319), (530, 35325), (575, 35385), (586, 35409), (587, 35412), (606, 35457), (613, 35472), (616, 35481), (620, 35490), (636, 35535), (647, 35553), (665, 35586), (764, 35724), (777, 35745), (806, 35811), (814, 35841), (830, 35895), (844, 35937), (851, 35958), (858, 35979), (862, 35991), (872, 36012), (891, 36066), (938, 36144), (947, 36180), (953, 36201), (960, 36228),

Gene: Cornucopia_17 Start: 14844, Stop: 16553, Start Num: 132

Candidate Starts for Cornucopia_17:

(Start: 132 @14844 has 199 MA's), (198, 14931), (Start: 228 @14976 has 2 MA's), (237, 15000), (277, 15105), (282, 15111), (290, 15129), (301, 15159), (349, 15264), (383, 15324), (398, 15345), (404, 15354), (415, 15378), (438, 15453), (481, 15504), (486, 15519), (488, 15525), (501, 15561), (503, 15564), (509, 15576), (510, 15582), (523, 15630), (530, 15642), (531, 15648), (586, 15708), (590, 15720), (606, 15756), (612, 15768), (644, 15843), (647, 15852), (656, 15870), (659, 15876), (671, 15906), (755, 16011), (764, 16023), (785, 16059), (813, 16137), (844, 16236), (851, 16257), (862, 16290), (877, 16320), (886, 16350), (889, 16359), (891, 16365), (905, 16380), (906, 16383), (916, 16407), (940, 16449), (959, 16521),

Gene: Corvo_28 Start: 22053, Stop: 23855, Start Num: 148

Candidate Starts for Corvo_28:

(Start: 148 @22053 has 202 MA's), (Start: 166 @22074 has 28 MA's), (Start: 191 @22116 has 1 MA's), (215, 22161), (349, 22377), (376, 22422), (381, 22431), (425, 22521), (426, 22524), (463, 22617), (507, 22719), (528, 22788), (612, 22977), (616, 22989), (617, 22992), (623, 23013), (674, 23109), (675, 23112), (677, 23118), (701, 23187), (708, 23205), (710, 23214), (720, 23244), (779, 23340), (795, 23373), (802, 23388), (845, 23529), (865, 23586), (907, 23697),

Gene: CosmicSans_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for CosmicSans_23:

(Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (261, 16526), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (478, 16904), (481, 16910), (486, 16925), (487, 16928), (507, 16976), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: Cosmo_40 Start: 25304, Stop: 27688, Start Num: 18

Candidate Starts for Cosmo_40:

(Start: 18 @25304 has 5 MA's), (28, 25421), (34, 25442), (35, 25445), (37, 25475), (39, 25481), (40, 25490), (55, 25580), (59, 25616), (60, 25634), (63, 25661), (65, 25673), (66, 25682), (76, 25745), (83, 25781), (93, 25817), (94, 25820), (97, 25826), (Start: 134 @25898 has 40 MA's), (163, 25928), (204, 25997), (205, 26000), (245, 26087), (252, 26105), (253, 26108), (274, 26168), (303, 26207), (326, 26249), (329, 26258), (331, 26264), (343, 26279), (350, 26294), (376, 26342), (423, 26438), (437, 26480), (438, 26483), (510, 26660), (516, 26678), (521, 26693), (523, 26708), (533, 26729), (543,

26762), (552, 26771), (582, 26801), (598, 26840), (612, 26882), (616, 26894), (617, 26897), (638, 26957), (674, 27017), (691, 27062), (703, 27098), (729, 27164), (783, 27218), (787, 27224), (824, 27290), (882, 27461), (892, 27485), (944, 27605), (951, 27626), (953, 27635), (965, 27671),

Gene: Courthouse_34 Start: 25078, Stop: 26811, Start Num: 133

Candidate Starts for Courthouse_34:

(Start: 133 @25078 has 29 MA's), (Start: 197 @25168 has 47 MA's), (198, 25171), (237, 25246), (247, 25273), (272, 25339), (291, 25375), (302, 25405), (307, 25420), (345, 25504), (365, 25540), (380, 25567), (406, 25606), (418, 25639), (421, 25648), (439, 25705), (469, 25747), (507, 25822), (510, 25834), (530, 25894), (573, 25948), (587, 25978), (595, 25996), (601, 26005), (613, 26038), (617, 26050), (620, 26056), (632, 26095), (659, 26152), (772, 26302), (782, 26320), (802, 26362), (808, 26386), (809, 26389), (813, 26404), (824, 26434), (833, 26464), (851, 26521), (919, 26671), (961, 26791), (965, 26797),

Gene: Cozz_18 Start: 15733, Stop: 17430, Start Num: 145

Candidate Starts for Cozz_18:

(Start: 135 @15730 has 8 MA's), (Start: 145 @15733 has 749 MA's), (263, 15943), (349, 16066), (379, 16117), (423, 16204), (433, 16234), (438, 16249), (442, 16261), (481, 16339), (485, 16351), (493, 16378), (506, 16411), (516, 16444), (520, 16456), (535, 16498), (606, 16621), (632, 16693), (675, 16771), (680, 16786), (689, 16804), (708, 16861), (779, 16954), (796, 16990), (802, 17002), (804, 17008), (807, 17020), (818, 17029), (844, 17101), (845, 17104), (847, 17110), (851, 17122), (875, 17182), (890, 17227), (893, 17236), (907, 17269), (940, 17335),

Gene: Cracklewink_24 Start: 19740, Stop: 21590, Start Num: 102

Candidate Starts for Cracklewink_24:

(Start: 102 @19740 has 4 MA's), (Start: 126 @19785 has 1 MA's), (199, 19884), (222, 19920), (236, 19950), (244, 19974), (261, 20025), (263, 20028), (307, 20127), (308, 20130), (380, 20268), (393, 20289), (410, 20319), (413, 20325), (425, 20364), (447, 20430), (483, 20472), (488, 20487), (504, 20529), (517, 20565), (520, 20574), (523, 20592), (546, 20652), (550, 20658), (552, 20661), (566, 20691), (585, 20724), (586, 20727), (600, 20754), (622, 20820), (754, 21069), (826, 21216), (849, 21288), (865, 21333), (877, 21357), (879, 21363), (935, 21471), (960, 21561), (961, 21564),

Gene: Crater_18 Start: 15970, Stop: 17667, Start Num: 145

Candidate Starts for Crater_18:

(Start: 121 @15931 has 1 MA's), (Start: 145 @15970 has 749 MA's), (Start: 156 @15982 has 4 MA's), (158, 15985), (182, 16021), (205, 16060), (216, 16081), (241, 16123), (244, 16129), (245, 16132), (250, 16144), (261, 16180), (303, 16216), (329, 16273), (360, 16321), (375, 16348), (425, 16450), (438, 16489), (463, 16546), (469, 16564), (478, 16573), (481, 16579), (495, 16627), (508, 16657), (519, 16693), (521, 16699), (527, 16720), (528, 16723), (549, 16774), (583, 16801), (584, 16804), (594, 16831), (606, 16858), (632, 16930), (655, 16969), (687, 17023), (710, 17095), (730, 17140), (796, 17230), (804, 17248), (841, 17332), (844, 17341), (845, 17344), (847, 17350), (853, 17365), (863, 17395), (866, 17401), (875, 17422), (877, 17425), (894, 17479), (907, 17509), (909, 17518), (937, 17569), (947, 17602), (951, 17614), (956, 17632),

Gene: Crespo_18 Start: 16650, Stop: 18404, Start Num: 164

Candidate Starts for Crespo_18:

(Start: 138 @16641 has 25 MA's), (Start: 164 @16650 has 42 MA's), (Start: 168 @16656 has 2 MA's), (172, 16662), (244, 16794), (261, 16845), (276, 16875), (Start: 288 @16899 has 1 MA's), (335, 17001), (353, 17040), (357, 17046), (365, 17061), (392, 17106), (439, 17226), (466, 17283), (488, 17322), (508, 17370), (516, 17397), (520, 17409), (548, 17490), (586, 17535), (675, 17733), (687, 17763), (693, 17781), (701, 17808), (760, 17892), (778, 17910), (792, 17925), (808, 17973), (812, 17988), (833, 18051), (851, 18108), (865, 18147), (882, 18189), (909, 18240), (950, 18336), (971, 18396),

Gene: CrimD_23 Start: 17126, Stop: 18892, Start Num: 145

Candidate Starts for CrimD_23:

(Start: 145 @17126 has 749 MA's), (Start: 170 @17156 has 1 MA's), (251, 17315), (261, 17348), (276, 17378), (291, 17411), (298, 17423), (338, 17513), (361, 17555), (398, 17618), (404, 17627), (409, 17636), (422, 17675), (436, 17720), (443, 17741), (444, 17744), (488, 17816), (504, 17858), (508, 17864), (516, 17891), (586, 18029), (593, 18047), (612, 18089), (619, 18107), (628, 18137), (647, 18164), (693, 18269), (797, 18428), (809, 18464), (820, 18494), (823, 18503), (845, 18578), (862, 18629), (950, 18824), (960, 18863), (961, 18866), (971, 18884),

Gene: Crispicous1_26 Start: 20570, Stop: 22372, Start Num: 148

Candidate Starts for Crispicous1_26:

(Start: 148 @20570 has 202 MA's), (Start: 166 @20591 has 28 MA's), (Start: 191 @20633 has 1 MA's), (215, 20678), (349, 20894), (376, 20939), (381, 20948), (407, 20987), (425, 21038), (436, 21071), (507, 21236), (528, 21305), (616, 21506), (617, 21509), (623, 21530), (674, 21626), (675, 21629), (677, 21635), (701, 21704), (708, 21722), (710, 21731), (720, 21761), (779, 21857), (795, 21890), (802, 21905), (845, 22046), (865, 22103), (907, 22214),

Gene: Crossroads_18 Start: 16989, Stop: 18722, Start Num: 165

Candidate Starts for Crossroads_18:

(Start: 165 @16989 has 28 MA's), (205, 17058), (274, 17199), (276, 17202), (306, 17247), (326, 17280), (329, 17289), (350, 17325), (379, 17379), (397, 17406), (405, 17418), (423, 17469), (425, 17475), (436, 17508), (500, 17661), (510, 17685), (512, 17694), (527, 17739), (533, 17754), (583, 17832), (626, 17952), (657, 18015), (691, 18087), (703, 18123), (783, 18243), (787, 18249), (794, 18261), (826, 18324), (841, 18375), (854, 18411), (862, 18438), (890, 18507), (897, 18522), (905, 18534), (912, 18558), (944, 18636),

Gene: Crucio_28 Start: 20118, Stop: 21890, Start Num: 145

Candidate Starts for Crucio_28:

(103, 20052), (Start: 128 @20094 has 10 MA's), (Start: 145 @20118 has 749 MA's), (216, 20217), (256, 20301), (303, 20352), (304, 20355), (347, 20427), (349, 20430), (381, 20484), (407, 20523), (423, 20568), (434, 20601), (470, 20688), (504, 20769), (507, 20772), (617, 21045), (675, 21165), (757, 21345), (795, 21408), (802, 21423), (804, 21429), (821, 21483), (832, 21522), (836, 21537), (865, 21621), (907, 21732), (959, 21867),

Gene: Cruella_31 Start: 28482, Stop: 30080, Start Num: 262

Candidate Starts for Cruella_31:

(Start: 262 @28482 has 8 MA's), (327, 28581), (363, 28650), (383, 28689), (442, 28824), (467, 28884), (530, 29037), (535, 29049), (537, 29058), (538, 29061), (568, 29106), (572, 29121), (578, 29130), (582, 29139), (604, 29193), (611, 29211), (630, 29265), (719, 29481), (767, 29574), (821, 29682), (835, 29736), (861, 29811), (922, 29940), (963, 30066),

Gene: Crumble_16 Start: 14809, Stop: 16518, Start Num: 132

Candidate Starts for Crumble_16:

(Start: 132 @14809 has 199 MA's), (198, 14896), (Start: 228 @14941 has 2 MA's), (237, 14965), (277, 15070), (282, 15076), (290, 15094), (301, 15124), (349, 15229), (383, 15289), (398, 15310), (404, 15319), (415, 15343), (438, 15418), (439, 15421), (481, 15469), (486, 15484), (488, 15490), (501, 15526), (503, 15529), (509, 15541), (510, 15547), (523, 15595), (530, 15607), (531, 15613), (586, 15673), (590, 15685), (606, 15721), (612, 15733), (644, 15808), (647, 15817), (656, 15835), (659, 15841), (671, 15871), (755, 15976), (761, 15985), (764, 15988), (785, 16024), (813, 16102), (844, 16201), (851, 16222), (862, 16255), (877, 16285), (886, 16315), (889, 16324), (891, 16330), (905, 16345), (906, 16348), (916, 16372), (935, 16402), (940, 16414), (947, 16444), (959, 16486),

Gene: CrystalP_24 Start: 19746, Stop: 21425, Start Num: 137

Candidate Starts for CrystalP_24:

(Start: 137 @19746 has 84 MA's), (Start: 197 @19830 has 47 MA's), (Start: 239 @19908 has 1 MA's), (272, 19995), (282, 20010), (301, 20058), (315, 20097), (363, 20184), (380, 20217), (404, 20253), (417, 20283), (418, 20289), (441, 20358), (483, 20388), (487, 20400), (488, 20403), (510, 20460), (587, 20592), (589, 20598), (617, 20664), (620, 20670), (626, 20694), (647, 20742), (659, 20766), (665, 20775), (695, 20850), (761, 20901), (772, 20916), (833, 21078), (841, 21105), (851, 21135), (890, 21240), (938, 21318), (947, 21354), (950, 21363), (959, 21396), (965, 21411),

Gene: Cuco_24 Start: 19657, Stop: 21453, Start Num: 145

Candidate Starts for Cuco_24:

(Start: 145 @19657 has 749 MA's), (Start: 220 @19762 has 45 MA's), (240, 19795), (304, 19894), (349, 19969), (361, 19984), (379, 20020), (419, 20092), (423, 20107), (436, 20146), (445, 20173), (451, 20194), (476, 20233), (523, 20371), (527, 20377), (587, 20512), (612, 20569), (613, 20572), (616, 20581), (629, 20623), (637, 20641), (674, 20701), (675, 20704), (708, 20797), (710, 20806), (717, 20830), (777, 20938), (795, 20974), (865, 21184), (904, 21286), (907, 21295), (959, 21430), (961, 21439),

Gene: Cucurbita_50 Start: 30901, Stop: 32592, Start Num: 154

Candidate Starts for Cucurbita_50:

(Start: 154 @30901 has 21 MA's), (Start: 193 @30961 has 1 MA's), (208, 30994), (229, 31027), (276, 31153), (291, 31186), (295, 31195), (351, 31324), (378, 31372), (510, 31585), (511, 31591), (520, 31615), (600, 31744), (606, 31765), (620, 31798), (695, 31996), (810, 32149), (841, 32248), (845, 32260), (848, 32269), (880, 32353), (948, 32500), (958, 32536), (961, 32548),

Gene: Cueyllyss_27 Start: 21272, Stop: 23074, Start Num: 148

Candidate Starts for Cueyllyss_27:

(Start: 148 @21272 has 202 MA's), (Start: 166 @21293 has 28 MA's), (Start: 191 @21335 has 1 MA's), (215, 21380), (349, 21596), (376, 21641), (381, 21650), (425, 21740), (426, 21743), (463, 21836), (507, 21938), (528, 22007), (612, 22196), (616, 22208), (617, 22211), (623, 22232), (674, 22328), (675, 22331), (677, 22337), (701, 22406), (708, 22424), (710, 22433), (720, 22463), (779, 22559), (795, 22592), (802, 22607), (845, 22748), (865, 22805), (894, 22883),

Gene: Cullens_29 Start: 20378, Stop: 22174, Start Num: 145

Candidate Starts for Cullens_29:

(Start: 145 @20378 has 749 MA's), (Start: 191 @20435 has 1 MA's), (199, 20450), (216, 20483), (233, 20504), (Start: 239 @20519 has 1 MA's), (297, 20606), (303, 20618), (304, 20621), (349, 20696), (361, 20711), (379, 20747), (470, 20954), (516, 21068), (528, 21107), (560, 21194), (616, 21308), (623, 21332), (629, 21350), (675, 21431), (701, 21506), (708, 21524), (717, 21557), (720, 21563), (739, 21602), (777, 21656), (779, 21659), (791, 21680), (810, 21737), (865, 21905), (905, 22010), (907, 22016), (959, 22151),

Gene: Culver_48 Start: 29340, Stop: 31031, Start Num: 154

Candidate Starts for Culver_48:

(Start: 154 @29340 has 21 MA's), (Start: 193 @29400 has 1 MA's), (208, 29433), (Start: 228 @29463 has 2 MA's), (229, 29466), (291, 29625), (295, 29634), (351, 29763), (378, 29811), (510, 30024), (511, 30030), (520, 30054), (600, 30183), (606, 30204), (620, 30237), (695, 30435), (810, 30588), (841, 30687), (845, 30699), (848, 30708), (880, 30792), (948, 30939), (958, 30975),

Gene: Curiosium_24 Start: 16874, Stop: 18640, Start Num: 145

Candidate Starts for Curiosium_24:

(Start: 145 @16874 has 749 MA's), (Start: 170 @16904 has 1 MA's), (251, 17063), (261, 17096), (276, 17126), (291, 17159), (298, 17171), (357, 17297), (361, 17303), (382, 17342), (404, 17375), (409,

17384), (422, 17423), (443, 17489), (444, 17492), (488, 17564), (504, 17606), (508, 17612), (516, 17639), (527, 17675), (586, 17777), (593, 17795), (612, 17837), (619, 17855), (628, 17885), (647, 17912), (693, 18017), (750, 18107), (809, 18212), (820, 18242), (845, 18326), (862, 18377), (877, 18407), (909, 18476), (938, 18527), (960, 18611), (961, 18614), (971, 18632),

Gene: Cynthia_17 Start: 14758, Stop: 16467, Start Num: 269

Candidate Starts for Cynthia_17:

(Start: 269 @14758 has 31 MA's), (324, 14875), (405, 15025), (424, 15064), (429, 15079), (452, 15148), (459, 15160), (489, 15238), (490, 15241), (532, 15373), (547, 15427), (581, 15508), (605, 15568), (608, 15574), (610, 15580), (649, 15661), (671, 15697), (688, 15733), (694, 15751), (707, 15790), (731, 15862), (745, 15886), (841, 16120), (846, 16135), (860, 16177), (893, 16270), (894, 16273), (918, 16321), (932, 16351),

Gene: Czyszczone1_25 Start: 19491, Stop: 21170, Start Num: 137

Candidate Starts for Czyszczone1_25:

(Start: 137 @19491 has 84 MA's), (Start: 197 @19575 has 47 MA's), (Start: 239 @19653 has 1 MA's), (272, 19740), (282, 19755), (301, 19803), (315, 19842), (363, 19929), (380, 19962), (404, 19998), (417, 20028), (418, 20034), (441, 20103), (483, 20133), (487, 20145), (488, 20148), (510, 20205), (587, 20337), (589, 20343), (617, 20409), (620, 20415), (626, 20439), (647, 20487), (659, 20511), (665, 20520), (695, 20595), (761, 20646), (772, 20661), (833, 20823), (841, 20850), (851, 20880), (890, 20985), (938, 21063), (947, 21099), (950, 21108), (959, 21141), (965, 21156),

Gene: D29_28 Start: 20049, Stop: 21839, Start Num: 145

Candidate Starts for D29_28:

(103, 19983), (Start: 128 @20025 has 10 MA's), (Start: 145 @20049 has 749 MA's), (303, 20283), (304, 20286), (347, 20358), (349, 20361), (361, 20376), (381, 20415), (385, 20421), (434, 20532), (440, 20550), (470, 20619), (504, 20700), (507, 20703), (560, 20859), (582, 20889), (675, 21096), (717, 21222), (743, 21273), (779, 21324), (795, 21357), (802, 21372), (808, 21396), (832, 21471), (833, 21474), (836, 21486), (865, 21570), (894, 21648), (905, 21675), (907, 21681), (928, 21726), (935, 21735), (959, 21816),

Gene: D32_31 Start: 20049, Stop: 21839, Start Num: 145

Candidate Starts for D32_31:

(103, 19983), (Start: 128 @20025 has 10 MA's), (Start: 145 @20049 has 749 MA's), (303, 20283), (304, 20286), (347, 20358), (349, 20361), (361, 20376), (381, 20415), (385, 20421), (434, 20532), (440, 20550), (470, 20619), (504, 20700), (507, 20703), (560, 20859), (582, 20889), (675, 21096), (717, 21222), (743, 21273), (779, 21324), (795, 21357), (802, 21372), (808, 21396), (832, 21471), (833, 21474), (836, 21486), (865, 21570), (894, 21648), (905, 21675), (907, 21681), (928, 21726), (935, 21735), (959, 21816),

Gene: DBQu4n_31 Start: 20049, Stop: 21839, Start Num: 145

Candidate Starts for DBQu4n_31:

(103, 19983), (Start: 128 @20025 has 10 MA's), (Start: 145 @20049 has 749 MA's), (246, 20202), (303, 20283), (304, 20286), (347, 20358), (349, 20361), (361, 20376), (381, 20415), (385, 20421), (434, 20532), (440, 20550), (443, 20559), (470, 20619), (504, 20700), (507, 20703), (560, 20859), (582, 20889), (675, 21096), (717, 21222), (779, 21324), (795, 21357), (802, 21372), (808, 21396), (832, 21471), (833, 21474), (836, 21486), (865, 21570), (894, 21648), (905, 21675), (907, 21681), (928, 21726), (935, 21735), (959, 21816),

Gene: DD5_28 Start: 21820, Stop: 23622, Start Num: 148

Candidate Starts for DD5_28:

(Start: 148 @21820 has 202 MA's), (Start: 166 @21841 has 28 MA's), (Start: 191 @21883 has 1 MA's), (215, 21928), (349, 22144), (376, 22189), (381, 22198), (425, 22288), (426, 22291), (507,

22486), (528, 22555), (552, 22615), (612, 22744), (616, 22756), (617, 22759), (623, 22780), (674, 22876), (675, 22879), (677, 22885), (701, 22954), (708, 22972), (710, 22981), (720, 23011), (779, 23107), (795, 23140), (802, 23155), (845, 23296), (865, 23353), (907, 23464),

Gene: DLane_16 Start: 14795, Stop: 16504, Start Num: 132

Candidate Starts for DLane_16:

(Start: 132 @14795 has 199 MA's), (198, 14882), (Start: 228 @14927 has 2 MA's), (237, 14951), (277, 15056), (282, 15062), (290, 15080), (301, 15110), (349, 15215), (383, 15275), (398, 15296), (404, 15305), (415, 15329), (481, 15455), (486, 15470), (488, 15476), (501, 15512), (503, 15515), (509, 15527), (510, 15533), (523, 15581), (530, 15593), (531, 15599), (586, 15659), (590, 15671), (606, 15707), (612, 15719), (644, 15794), (647, 15803), (656, 15821), (659, 15827), (671, 15857), (755, 15962), (761, 15971), (764, 15974), (785, 16010), (813, 16088), (844, 16187), (851, 16208), (862, 16241), (877, 16271), (886, 16301), (889, 16310), (891, 16316), (905, 16331), (906, 16334), (916, 16358), (935, 16388), (940, 16400), (947, 16430), (959, 16472),

Gene: DMoney_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for DMoney_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: DNAlll_0018 Start: 16649, Stop: 18412, Start Num: 138

Candidate Starts for DNAlll_0018:

(Start: 138 @16649 has 25 MA's), (Start: 164 @16658 has 42 MA's), (Start: 168 @16664 has 2 MA's), (172, 16670), (244, 16802), (261, 16853), (276, 16883), (Start: 288 @16907 has 1 MA's), (335, 17009), (353, 17048), (357, 17054), (365, 17069), (392, 17114), (439, 17234), (466, 17291), (488, 17330), (508, 17378), (516, 17405), (520, 17417), (548, 17498), (586, 17543), (675, 17741), (687, 17771), (693, 17789), (701, 17816), (760, 17900), (778, 17918), (792, 17933), (808, 17981), (812, 17996), (833, 18059), (851, 18116), (865, 18155), (882, 18197), (909, 18248), (950, 18344), (971, 18404),

Gene: DRBy19_16 Start: 14836, Stop: 16545, Start Num: 132

Candidate Starts for DRBy19_16:

(Start: 132 @14836 has 199 MA's), (198, 14923), (Start: 228 @14968 has 2 MA's), (237, 14992), (256, 15049), (277, 15097), (282, 15103), (290, 15121), (301, 15151), (349, 15256), (379, 15310), (383, 15316), (389, 15325), (404, 15346), (415, 15370), (425, 15406), (427, 15412), (438, 15445), (439, 15448), (442, 15457), (459, 15472), (467, 15478), (481, 15496), (486, 15511), (488, 15517), (493, 15535), (494, 15538), (501, 15553), (509, 15568), (510, 15574), (523, 15622), (530, 15634), (531, 15640), (586, 15700), (590, 15712), (606, 15748), (612, 15760), (644, 15835), (647, 15844), (656, 15862), (659, 15868), (671, 15898), (755, 16003), (764, 16015), (785, 16051), (813, 16129), (851, 16249), (862, 16282), (877, 16312), (880, 16324), (886, 16342), (888, 16348), (889, 16351), (891, 16357), (905, 16372), (906, 16375), (914, 16396), (916, 16399), (940, 16441), (947, 16471), (959, 16513), (960, 16519),

Gene: DS6A_21 Start: 16975, Stop: 18714, Start Num: 122

Candidate Starts for DS6A_21:

(105, 16945), (111, 16957), (Start: 122 @16975 has 2 MA's), (163, 17029), (204, 17095), (206, 17101), (208, 17107), (216, 17119), (Start: 220 @17125 has 45 MA's), (236, 17146), (240, 17158), (259, 17215), (296, 17242), (306, 17263), (323, 17299), (329, 17311), (349, 17344), (360, 17359),

(376, 17389), (385, 17404), (433, 17512), (438, 17527), (442, 17539), (443, 17542), (478, 17611), (487, 17635), (488, 17638), (506, 17689), (516, 17722), (527, 17758), (574, 17818), (583, 17836), (586, 17845), (587, 17848), (616, 17917), (644, 17989), (650, 18007), (669, 18037), (674, 18046), (708, 18142), (710, 18151), (804, 18289), (845, 18385), (846, 18388), (862, 18436), (865, 18442), (907, 18550), (938, 18613), (943, 18637), (957, 18682), (961, 18700), (965, 18706),

Gene: DaHudson_29 Start: 20371, Stop: 22167, Start Num: 145

Candidate Starts for DaHudson_29:

(Start: 145 @20371 has 749 MA's), (Start: 191 @20428 has 1 MA's), (199, 20443), (216, 20476), (233, 20497), (Start: 239 @20512 has 1 MA's), (297, 20599), (303, 20611), (304, 20614), (349, 20689), (361, 20704), (379, 20740), (470, 20947), (516, 21061), (528, 21100), (560, 21187), (616, 21301), (623, 21325), (629, 21343), (675, 21424), (701, 21499), (708, 21517), (717, 21550), (720, 21556), (739, 21595), (777, 21649), (779, 21652), (791, 21673), (810, 21730), (865, 21898), (905, 22003), (907, 22009), (959, 22144),

Gene: DaVinci_31 Start: 19977, Stop: 21749, Start Num: 145

Candidate Starts for DaVinci_31:

(103, 19911), (Start: 128 @19953 has 10 MA's), (Start: 145 @19977 has 749 MA's), (261, 20175), (304, 20214), (347, 20286), (349, 20289), (363, 20307), (381, 20343), (385, 20349), (434, 20460), (436, 20466), (448, 20505), (470, 20547), (488, 20586), (504, 20628), (507, 20631), (523, 20691), (624, 20928), (629, 20943), (675, 21024), (720, 21156), (802, 21282), (817, 21333), (821, 21342), (832, 21381), (833, 21384), (836, 21396), (865, 21480), (905, 21585), (907, 21591), (959, 21726),

Gene: DaWorst_18 Start: 15337, Stop: 17046, Start Num: 132

Candidate Starts for DaWorst_18:

(Start: 132 @15337 has 199 MA's), (198, 15424), (Start: 228 @15469 has 2 MA's), (237, 15493), (256, 15550), (277, 15598), (282, 15604), (290, 15622), (301, 15652), (349, 15757), (379, 15811), (383, 15817), (389, 15826), (404, 15847), (415, 15871), (425, 15907), (427, 15913), (438, 15946), (439, 15949), (442, 15958), (459, 15973), (467, 15979), (481, 15997), (486, 16012), (488, 16018), (493, 16036), (494, 16039), (501, 16054), (509, 16069), (510, 16075), (523, 16123), (530, 16135), (531, 16141), (586, 16201), (590, 16213), (606, 16249), (612, 16261), (644, 16336), (647, 16345), (656, 16363), (659, 16369), (671, 16399), (755, 16504), (764, 16516), (785, 16552), (813, 16630), (851, 16750), (862, 16783), (877, 16813), (880, 16825), (886, 16843), (888, 16849), (889, 16852), (891, 16858), (905, 16873), (906, 16876), (914, 16897), (916, 16900), (940, 16942), (947, 16972), (959, 17014), (960, 17020),

Gene: DaddyRickover_16 Start: 14976, Stop: 16685, Start Num: 132

Candidate Starts for DaddyRickover_16:

(Start: 132 @14976 has 199 MA's), (198, 15063), (Start: 228 @15108 has 2 MA's), (237, 15132), (277, 15237), (282, 15243), (290, 15261), (301, 15291), (349, 15396), (383, 15456), (398, 15477), (404, 15486), (415, 15510), (481, 15636), (486, 15651), (488, 15657), (501, 15693), (503, 15696), (509, 15708), (510, 15714), (523, 15762), (530, 15774), (531, 15780), (586, 15840), (590, 15852), (606, 15888), (612, 15900), (644, 15975), (647, 15984), (656, 16002), (659, 16008), (671, 16038), (755, 16143), (761, 16152), (764, 16155), (785, 16191), (813, 16269), (844, 16368), (851, 16389), (862, 16422), (877, 16452), (886, 16482), (889, 16491), (891, 16497), (905, 16512), (906, 16515), (914, 16536), (916, 16539), (940, 16581), (947, 16611), (959, 16653),

Gene: Daegal_23 Start: 17697, Stop: 19439, Start Num: 143

Candidate Starts for Daegal_23:

(Start: 143 @17697 has 53 MA's), (Start: 150 @17706 has 25 MA's), (178, 17748), (210, 17799), (226, 17823), (231, 17835), (Start: 239 @17856 has 1 MA's), (244, 17871), (251, 17889), (263, 17922), (273, 17949), (304, 18021), (345, 18111), (393, 18195), (400, 18204), (410, 18225), (432, 18291), (442, 18318), (462, 18351), (482, 18369), (489, 18390), (493, 18405), (494, 18408), (520, 18474),

(521, 18477), (542, 18543), (553, 18555), (564, 18564), (575, 18567), (613, 18654), (631, 18708), (660, 18753), (665, 18759), (692, 18831), (701, 18861), (710, 18888), (750, 18924), (754, 18933), (808, 19011), (855, 19155), (860, 19173), (865, 19185), (873, 19200), (875, 19203), (882, 19224), (886, 19236), (914, 19284), (934, 19317), (956, 19392), (960, 19410), (971, 19431),

Gene: Daenerys_16 Start: 14808, Stop: 16517, Start Num: 132

Candidate Starts for Daenerys_16:

(Start: 132 @14808 has 199 MA's), (198, 14895), (Start: 228 @14940 has 2 MA's), (237, 14964), (277, 15069), (282, 15075), (290, 15093), (301, 15123), (349, 15228), (383, 15288), (398, 15309), (404, 15318), (415, 15342), (481, 15468), (486, 15483), (488, 15489), (501, 15525), (503, 15528), (509, 15540), (510, 15546), (523, 15594), (530, 15606), (531, 15612), (586, 15672), (590, 15684), (606, 15720), (612, 15732), (644, 15807), (647, 15816), (656, 15834), (659, 15840), (671, 15870), (755, 15975), (761, 15984), (764, 15987), (785, 16023), (813, 16101), (844, 16200), (851, 16221), (862, 16254), (877, 16284), (886, 16314), (889, 16323), (891, 16329), (905, 16344), (906, 16347), (914, 16368), (916, 16371), (940, 16413), (947, 16443), (959, 16485),

Gene: Daikon_22 Start: 19567, Stop: 21162, Start Num: 197

Candidate Starts for Daikon_22:

(Start: 137 @19483 has 84 MA's), (Start: 197 @19567 has 47 MA's), (Start: 239 @19645 has 1 MA's), (272, 19732), (282, 19747), (301, 19795), (315, 19834), (363, 19921), (380, 19954), (404, 19990), (417, 20020), (418, 20026), (441, 20095), (483, 20125), (487, 20137), (488, 20140), (510, 20197), (587, 20329), (589, 20335), (617, 20401), (620, 20407), (626, 20431), (647, 20479), (659, 20503), (665, 20512), (695, 20587), (761, 20638), (772, 20653), (833, 20815), (841, 20842), (851, 20872), (890, 20977), (938, 21055), (947, 21091), (950, 21100), (959, 21133), (965, 21148),

Gene: Daishi_28 Start: 19304, Stop: 21100, Start Num: 145

Candidate Starts for Daishi_28:

(Start: 145 @19304 has 749 MA's), (Start: 191 @19361 has 1 MA's), (199, 19376), (216, 19409), (233, 19430), (Start: 239 @19445 has 1 MA's), (297, 19532), (303, 19544), (304, 19547), (349, 19622), (361, 19637), (379, 19673), (470, 19880), (516, 19994), (528, 20033), (560, 20120), (616, 20234), (623, 20258), (629, 20276), (675, 20357), (701, 20432), (708, 20450), (717, 20483), (720, 20489), (739, 20528), (777, 20582), (779, 20585), (791, 20606), (810, 20663), (865, 20831), (905, 20936), (907, 20942), (959, 21077),

Gene: Dalilpop_46 Start: 32122, Stop: 33741, Start Num: 260

Candidate Starts for Dalilpop_46:

(Start: 260 @32122 has 35 MA's), (Start: 269 @32137 has 31 MA's), (Start: 288 @32158 has 1 MA's), (322, 32236), (397, 32374), (452, 32503), (467, 32533), (481, 32560), (484, 32569), (489, 32584), (527, 32695), (538, 32725), (539, 32728), (572, 32785), (674, 33010), (688, 33049), (704, 33097), (756, 33223), (780, 33259), (810, 33316), (827, 33370), (851, 33445), (913, 33577), (943, 33652), (947, 33664), (951, 33676), (953, 33685), (964, 33721),

Gene: Dalmatian_28 Start: 20265, Stop: 22037, Start Num: 145

Candidate Starts for Dalmatian_28:

(Start: 128 @20241 has 10 MA's), (Start: 145 @20265 has 749 MA's), (303, 20499), (304, 20502), (347, 20574), (349, 20577), (381, 20631), (407, 20670), (423, 20715), (434, 20748), (470, 20835), (504, 20916), (507, 20919), (617, 21192), (675, 21312), (717, 21438), (757, 21492), (795, 21555), (802, 21570), (804, 21576), (821, 21630), (832, 21669), (836, 21684), (865, 21768), (907, 21879),

Gene: Dalmuri_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Dalmuri_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422,

17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Danforth_23 Start: 18634, Stop: 20424, Start Num: 145

Candidate Starts for Danforth_23:

(Start: 128 @18610 has 10 MA's), (Start: 145 @18634 has 749 MA's), (213, 18727), (240, 18772), (304, 18871), (328, 18907), (349, 18946), (361, 18961), (379, 18997), (434, 19117), (436, 19123), (488, 19243), (535, 19372), (560, 19444), (616, 19558), (708, 19774), (717, 19807), (779, 19909), (795, 19942), (802, 19957), (810, 19987), (904, 20257), (907, 20266), (909, 20275), (956, 20389),

Gene: Dante_16 Start: 14825, Stop: 16534, Start Num: 132

Candidate Starts for Dante_16:

(Start: 132 @14825 has 199 MA's), (198, 14912), (Start: 228 @14957 has 2 MA's), (237, 14981), (277, 15086), (282, 15092), (290, 15110), (301, 15140), (349, 15245), (383, 15305), (398, 15326), (404, 15335), (415, 15359), (481, 15485), (486, 15500), (488, 15506), (501, 15542), (503, 15545), (509, 15557), (510, 15563), (523, 15611), (530, 15623), (531, 15629), (586, 15689), (590, 15701), (606, 15737), (612, 15749), (644, 15824), (647, 15833), (656, 15851), (659, 15857), (671, 15887), (755, 15992), (761, 16001), (764, 16004), (785, 16040), (813, 16118), (844, 16217), (851, 16238), (862, 16271), (877, 16301), (886, 16331), (889, 16340), (891, 16346), (905, 16361), (906, 16364), (916, 16388), (935, 16418), (940, 16430), (947, 16460), (959, 16502),

Gene: Danyall_33 Start: 26375, Stop: 28141, Start Num: 107

Candidate Starts for Danyall_33:

(90, 26333), (Start: 107 @26375 has 72 MA's), (Start: 126 @26411 has 1 MA's), (Start: 150 @26444 has 25 MA's), (263, 26654), (265, 26657), (303, 26687), (333, 26753), (349, 26777), (356, 26786), (375, 26819), (443, 26972), (463, 27011), (487, 27062), (491, 27074), (495, 27092), (501, 27104), (506, 27116), (510, 27131), (520, 27161), (521, 27164), (527, 27185), (583, 27257), (602, 27305), (649, 27416), (669, 27449), (686, 27488), (687, 27491), (710, 27563), (753, 27629), (759, 27641), (845, 27812), (849, 27824), (851, 27830), (862, 27863), (875, 27890), (884, 27917), (905, 27971), (951, 28088), (957, 28109), (966, 28136),

Gene: Daredevil_29 Start: 25466, Stop: 27352, Start Num: 156

Candidate Starts for Daredevil_29:

(94, 25364), (Start: 156 @25466 has 4 MA's), (225, 25577), (245, 25628), (261, 25676), (310, 25808), (351, 25883), (378, 25931), (421, 26015), (453, 26153), (473, 26252), (507, 26345), (510, 26357), (511, 26363), (520, 26387), (531, 26423), (535, 26429), (612, 26549), (622, 26582), (626, 26594), (656, 26654), (695, 26756), (755, 26798), (772, 26822), (823, 26945), (845, 27020), (851, 27038), (893, 27152), (972, 27344),

Gene: Darionha_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Darionha_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Darrell_30 Start: 21719, Stop: 23533, Start Num: 128

Candidate Starts for Darrell_30:

(Start: 128 @21719 has 10 MA's), (Start: 145 @21743 has 749 MA's), (303, 21977), (304, 21980), (347, 22052), (349, 22055), (361, 22070), (381, 22109), (385, 22115), (397, 22133), (434, 22226), (445, 22259), (470, 22313), (504, 22394), (507, 22397), (551, 22523), (582, 22583), (609, 22646), (617, 22670), (620, 22676), (629, 22709), (717, 22916), (723, 22934), (737, 22958), (749, 22970), (779, 23018), (795, 23051), (802, 23066), (804, 23072), (832, 23165), (833, 23168), (836, 23180), (865, 23264), (890, 23330), (905, 23369), (907, 23375), (928, 23420), (950, 23477), (951, 23480),

Gene: DARTH_P_22 Start: 17578, Stop: 19344, Start Num: 145

Candidate Starts for DARTH_P_22:

(Start: 121 @17539 has 1 MA's), (Start: 138 @17569 has 25 MA's), (Start: 145 @17578 has 749 MA's), (Start: 170 @17608 has 1 MA's), (Start: 239 @17734 has 1 MA's), (244, 17749), (251, 17767), (261, 17800), (291, 17863), (298, 17875), (304, 17893), (338, 17965), (357, 18001), (361, 18007), (409, 18088), (443, 18193), (444, 18196), (464, 18232), (488, 18268), (504, 18310), (508, 18316), (516, 18343), (527, 18379), (593, 18499), (628, 18589), (647, 18616), (669, 18661), (693, 18721), (742, 18796), (754, 18820), (797, 18880), (809, 18916), (820, 18946), (845, 19030), (862, 19081), (914, 19189), (960, 19315), (961, 19318), (971, 19336),

Gene: DARTH_P_29 Start: 21735, Stop: 23507, Start Num: 145

Candidate Starts for DARTH_P_29:

(103, 21669), (Start: 128 @21711 has 10 MA's), (Start: 145 @21735 has 749 MA's), (246, 21888), (303, 21969), (304, 21972), (347, 22044), (349, 22047), (381, 22101), (385, 22107), (415, 22158), (434, 22218), (448, 22263), (470, 22305), (504, 22386), (629, 22701), (675, 22782), (680, 22797), (720, 22914), (795, 23025), (802, 23040), (808, 23064), (832, 23139), (836, 23154), (847, 23187), (865, 23238), (905, 23343), (959, 23484),

Gene: Darwin_34 Start: 28167, Stop: 29765, Start Num: 262

Candidate Starts for Darwin_34:

(Start: 262 @28167 has 8 MA's), (327, 28266), (363, 28335), (383, 28374), (442, 28509), (467, 28569), (515, 28695), (530, 28722), (535, 28734), (537, 28743), (538, 28746), (568, 28791), (572, 28806), (578, 28815), (582, 28824), (604, 28878), (611, 28896), (630, 28950), (719, 29166), (767, 29259), (821, 29367), (835, 29421), (861, 29496), (922, 29625), (963, 29751),

Gene: DatBoi_31 Start: 27896, Stop: 29605, Start Num: 156

Candidate Starts for DatBoi_31:

(Start: 156 @27896 has 4 MA's), (217, 27998), (294, 28181), (351, 28313), (367, 28343), (378, 28361), (433, 28484), (510, 28610), (511, 28616), (528, 28667), (535, 28682), (612, 28802), (622, 28835), (695, 29009), (772, 29075), (841, 29261), (845, 29273), (875, 29351), (893, 29405), (967, 29573), (972, 29597),

Gene: Datway_27 Start: 19835, Stop: 21634, Start Num: 145

Candidate Starts for Datway_27:

(Start: 128 @19811 has 10 MA's), (Start: 145 @19835 has 749 MA's), (Start: 150 @19841 has 25 MA's), (Start: 191 @19895 has 1 MA's), (233, 19964), (261, 20042), (297, 20066), (304, 20081), (328, 20117), (349, 20156), (361, 20171), (381, 20210), (426, 20303), (434, 20327), (470, 20414), (516, 20528), (528, 20567), (560, 20654), (587, 20699), (616, 20768), (623, 20792), (627, 20804), (675, 20891), (701, 20966), (708, 20984), (710, 20993), (717, 21017), (720, 21023), (729, 21038), (749, 21071), (777, 21116), (779, 21119), (791, 21140), (865, 21365), (894, 21443), (905, 21470), (907, 21476), (959, 21611),

Gene: DeadP_16 Start: 14839, Stop: 16548, Start Num: 132

Candidate Starts for DeadP_16:

(Start: 132 @14839 has 199 MA's), (198, 14926), (Start: 228 @14971 has 2 MA's), (237, 14995), (277, 15100), (282, 15106), (290, 15124), (301, 15154), (349, 15259), (383, 15319), (395, 15337), (398,

15340), (404, 15349), (415, 15373), (481, 15499), (486, 15514), (488, 15520), (501, 15556), (503, 15559), (509, 15571), (510, 15577), (523, 15625), (530, 15637), (531, 15643), (586, 15703), (590, 15715), (606, 15751), (612, 15763), (644, 15838), (647, 15847), (656, 15865), (659, 15871), (671, 15901), (755, 16006), (761, 16015), (764, 16018), (785, 16054), (813, 16132), (844, 16231), (851, 16252), (862, 16285), (877, 16315), (886, 16345), (889, 16354), (891, 16360), (905, 16375), (906, 16378), (916, 16402), (935, 16432), (940, 16444), (947, 16474), (959, 16516),

Gene: Deano_27 Start: 19835, Stop: 21613, Start Num: 145

Candidate Starts for Deano_27:

(Start: 128 @19811 has 10 MA's), (Start: 145 @19835 has 749 MA's), (Start: 191 @19892 has 1 MA's), (Start: 220 @19946 has 45 MA's), (233, 19961), (240, 19979), (297, 20063), (303, 20075), (304, 20078), (349, 20153), (361, 20168), (381, 20207), (434, 20324), (470, 20411), (504, 20492), (521, 20540), (528, 20564), (560, 20651), (587, 20696), (617, 20768), (623, 20789), (629, 20807), (675, 20888), (708, 20981), (710, 20990), (717, 21014), (720, 21020), (731, 21044), (779, 21098), (791, 21119), (808, 21170), (815, 21194), (833, 21248), (865, 21344), (905, 21449), (909, 21464), (954, 21572), (959, 21590),

Gene: Deb65_16 Start: 14805, Stop: 16514, Start Num: 132

Candidate Starts for Deb65_16:

(Start: 132 @14805 has 199 MA's), (198, 14892), (Start: 228 @14937 has 2 MA's), (237, 14961), (277, 15066), (282, 15072), (290, 15090), (301, 15120), (349, 15225), (383, 15285), (398, 15306), (404, 15315), (415, 15339), (481, 15465), (486, 15480), (488, 15486), (501, 15522), (503, 15525), (509, 15537), (510, 15543), (523, 15591), (530, 15603), (531, 15609), (586, 15669), (590, 15681), (606, 15717), (612, 15729), (644, 15804), (647, 15813), (656, 15831), (659, 15837), (671, 15867), (755, 15972), (764, 15984), (785, 16020), (813, 16098), (844, 16197), (851, 16218), (862, 16251), (877, 16281), (886, 16311), (889, 16320), (891, 16326), (905, 16341), (906, 16344), (914, 16365), (916, 16368), (940, 16410), (947, 16440), (959, 16482),

Gene: Deby_23 Start: 17122, Stop: 18888, Start Num: 145

Candidate Starts for Deby_23:

(Start: 145 @17122 has 749 MA's), (Start: 170 @17152 has 1 MA's), (251, 17311), (261, 17344), (276, 17374), (291, 17407), (298, 17419), (338, 17509), (361, 17551), (404, 17623), (409, 17632), (422, 17671), (436, 17716), (443, 17737), (444, 17740), (482, 17794), (488, 17812), (504, 17854), (508, 17860), (516, 17887), (586, 18025), (593, 18043), (612, 18085), (619, 18103), (628, 18133), (647, 18160), (693, 18265), (797, 18424), (809, 18460), (820, 18490), (823, 18499), (845, 18574), (862, 18625), (950, 18820), (960, 18859), (961, 18862), (971, 18880),

Gene: DeepSoil15_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for DeepSoil15_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: DekHockey33_30 Start: 19191, Stop: 21002, Start Num: 128

Candidate Starts for DekHockey33_30:

(103, 19149), (Start: 128 @19191 has 10 MA's), (Start: 145 @19215 has 749 MA's), (240, 19353), (259, 19410), (304, 19452), (328, 19488), (349, 19527), (391, 19596), (407, 19620), (426, 19674), (488, 19824), (507, 19869), (516, 19899), (527, 19935), (543, 19986), (559, 20022), (587, 20070),

(613, 20130), (674, 20259), (701, 20337), (802, 20538), (804, 20544), (833, 20640), (892, 20805), (938, 20904),

Gene: DelRio_23 Start: 18352, Stop: 20058, Start Num: 187

Candidate Starts for DelRio_23:

(131, 18277), (Start: 187 @18352 has 15 MA's), (Start: 239 @18445 has 1 MA's), (244, 18460), (246, 18466), (275, 18541), (305, 18613), (359, 18724), (384, 18769), (395, 18787), (404, 18799), (486, 18970), (489, 18979), (491, 18985), (504, 19018), (523, 19081), (542, 19132), (564, 19156), (585, 19180), (616, 19255), (628, 19294), (691, 19426), (758, 19540), (808, 19627), (844, 19741), (847, 19750), (886, 19855), (936, 19942), (971, 20050),

Gene: Delian_19 Start: 16674, Stop: 18320, Start Num: 220

Candidate Starts for Delian_19:

(196, 16638), (Start: 220 @16674 has 45 MA's), (261, 16776), (293, 16848), (295, 16854), (296, 16857), (337, 16953), (355, 16992), (404, 17073), (423, 17127), (428, 17142), (482, 17238), (510, 17313), (520, 17343), (620, 17526), (626, 17550), (695, 17694), (700, 17706), (747, 17766), (809, 17898), (810, 17901), (841, 18000), (847, 18018), (865, 18069), (890, 18135), (927, 18198), (935, 18210),

Gene: Deloris_29 Start: 20620, Stop: 22392, Start Num: 145

Candidate Starts for Deloris_29:

(Start: 128 @20596 has 10 MA's), (Start: 145 @20620 has 749 MA's), (216, 20719), (303, 20854), (304, 20857), (347, 20929), (349, 20932), (381, 20986), (385, 20992), (407, 21025), (423, 21070), (434, 21103), (470, 21190), (504, 21271), (507, 21274), (520, 21316), (582, 21460), (617, 21547), (668, 21652), (675, 21667), (717, 21793), (720, 21799), (757, 21847), (802, 21925), (804, 21931), (821, 21985), (832, 22024), (836, 22039), (865, 22123), (907, 22234),

Gene: Delrey21_34 Start: 30944, Stop: 32566, Start Num: 190

Candidate Starts for Delrey21_34:

(Start: 154 @30887 has 21 MA's), (Start: 190 @30944 has 16 MA's), (205, 30965), (237, 31028), (257, 31091), (289, 31151), (294, 31163), (329, 31250), (354, 31301), (371, 31331), (417, 31412), (424, 31439), (489, 31538), (500, 31568), (504, 31577), (517, 31613), (537, 31673), (586, 31721), (589, 31730), (628, 31829), (649, 31868), (656, 31880), (764, 32036), (772, 32048), (787, 32075), (808, 32132), (822, 32171), (824, 32180), (839, 32237), (843, 32249), (859, 32297), (862, 32306), (865, 32312), (875, 32333), (909, 32411), (961, 32549),

Gene: Demsculpinboyz_19 Start: 13737, Stop: 15401, Start Num: 150

Candidate Starts for Demsculpinboyz_19:

(Start: 150 @13737 has 25 MA's), (204, 13818), (Start: 220 @13848 has 45 MA's), (236, 13869), (240, 13881), (265, 13947), (306, 13986), (310, 13998), (323, 14022), (358, 14079), (360, 14082), (373, 14106), (376, 14112), (377, 14115), (407, 14160), (415, 14178), (426, 14214), (442, 14262), (470, 14325), (488, 14361), (495, 14388), (501, 14400), (503, 14403), (516, 14445), (520, 14457), (527, 14481), (574, 14535), (616, 14634), (658, 14727), (675, 14754), (679, 14766), (703, 14817), (708, 14832), (845, 15075), (846, 15078), (847, 15081), (890, 15198), (907, 15240), (943, 15324), (957, 15369), (961, 15387),

Gene: Denise_17 Start: 14794, Stop: 16503, Start Num: 269

Candidate Starts for Denise_17:

(Start: 269 @14794 has 31 MA's), (324, 14911), (359, 14983), (361, 14986), (405, 15061), (424, 15100), (429, 15115), (443, 15157), (452, 15184), (489, 15274), (490, 15277), (532, 15409), (547, 15463), (581, 15544), (605, 15604), (608, 15610), (649, 15697), (688, 15769), (694, 15787), (707, 15826), (731, 15898), (732, 15901), (745, 15922), (841, 16156), (846, 16171), (851, 16186), (860, 16213), (893, 16306), (894, 16309), (918, 16357), (932, 16387), (938, 16399), (950, 16444),

Gene: Derg_32 Start: 29475, Stop: 31238, Start Num: 107

Candidate Starts for Derg_32:

(Start: 107 @29475 has 72 MA's), (Start: 126 @29511 has 1 MA's), (210, 29640), (216, 29649), (259, 29745), (265, 29754), (319, 29823), (349, 29874), (356, 29883), (376, 29919), (385, 29934), (397, 29952), (425, 30015), (440, 30060), (443, 30069), (495, 30189), (503, 30204), (510, 30228), (520, 30258), (629, 30480), (644, 30498), (649, 30513), (674, 30555), (675, 30558), (686, 30585), (732, 30705), (783, 30768), (845, 30909), (846, 30912), (862, 30960), (875, 30987), (884, 31014), (905, 31068), (913, 31095),

Gene: Devera_23 Start: 17169, Stop: 18935, Start Num: 145

Candidate Starts for Devera_23:

(Start: 145 @17169 has 749 MA's), (Start: 170 @17199 has 1 MA's), (251, 17358), (261, 17391), (276, 17421), (291, 17454), (298, 17466), (338, 17556), (357, 17592), (361, 17598), (404, 17670), (409, 17679), (422, 17718), (436, 17763), (437, 17766), (443, 17784), (444, 17787), (488, 17859), (504, 17901), (508, 17907), (516, 17934), (527, 17970), (548, 18027), (586, 18072), (593, 18090), (619, 18150), (628, 18180), (647, 18207), (693, 18312), (750, 18402), (797, 18471), (809, 18507), (820, 18537), (823, 18546), (845, 18621), (862, 18672), (909, 18771), (938, 18822), (960, 18906), (961, 18909), (971, 18927),

Gene: Dewey_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for Dewey_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: Dxdert_33 Start: 27970, Stop: 29589, Start Num: 192

Candidate Starts for Dxdert_33:

(Start: 192 @27970 has 10 MA's), (205, 27991), (237, 28054), (289, 28177), (294, 28189), (310, 28246), (354, 28324), (420, 28447), (489, 28561), (500, 28591), (516, 28633), (537, 28696), (586, 28744), (589, 28753), (612, 28804), (628, 28852), (700, 29017), (755, 29047), (808, 29155), (809, 29158), (824, 29203), (839, 29260), (841, 29266), (843, 29272), (859, 29320), (862, 29329), (865, 29335), (867, 29338), (886, 29389), (909, 29434), (941, 29503), (956, 29551), (959, 29563),

Gene: Dexes_28 Start: 21780, Stop: 23582, Start Num: 148

Candidate Starts for Dexes_28:

(Start: 148 @21780 has 202 MA's), (Start: 166 @21801 has 28 MA's), (Start: 191 @21843 has 1 MA's), (215, 21888), (349, 22104), (376, 22149), (381, 22158), (407, 22197), (425, 22248), (426, 22251), (507, 22446), (616, 22716), (617, 22719), (623, 22740), (674, 22836), (675, 22839), (677, 22845), (701, 22914), (708, 22932), (710, 22941), (720, 22971), (779, 23067), (795, 23100), (802, 23115), (845, 23256), (865, 23313), (907, 23424),

Gene: Dhanush_27 Start: 19830, Stop: 21608, Start Num: 145

Candidate Starts for Dhanush_27:

(Start: 128 @19806 has 10 MA's), (Start: 145 @19830 has 749 MA's), (Start: 191 @19887 has 1 MA's), (Start: 220 @19941 has 45 MA's), (233, 19956), (240, 19974), (297, 20058), (303, 20070), (304, 20073), (349, 20148), (361, 20163), (381, 20202), (434, 20319), (470, 20406), (504, 20487), (521, 20535), (528, 20559), (560, 20646), (587, 20691), (617, 20763), (623, 20784), (629, 20802),

(675, 20883), (708, 20976), (710, 20985), (717, 21009), (720, 21015), (731, 21039), (779, 21093), (791, 21114), (808, 21165), (815, 21189), (833, 21243), (865, 21339), (905, 21444), (909, 21459), (954, 21567), (959, 21585),

Gene: Dieselweasel_29 Start: 20380, Stop: 22176, Start Num: 145

Candidate Starts for Dieselweasel_29:

(Start: 145 @20380 has 749 MA's), (Start: 191 @20437 has 1 MA's), (199, 20452), (216, 20485), (233, 20506), (Start: 239 @20521 has 1 MA's), (297, 20608), (303, 20620), (304, 20623), (349, 20698), (361, 20713), (379, 20749), (470, 20956), (516, 21070), (528, 21109), (560, 21196), (616, 21310), (623, 21334), (629, 21352), (647, 21391), (675, 21433), (701, 21508), (708, 21526), (717, 21559), (720, 21565), (739, 21604), (777, 21658), (779, 21661), (791, 21682), (810, 21739), (865, 21907), (905, 22012), (907, 22018), (959, 22153),

Gene: Dignity_30 Start: 20641, Stop: 22413, Start Num: 145

Candidate Starts for Dignity_30:

(Start: 128 @20617 has 10 MA's), (Start: 145 @20641 has 749 MA's), (216, 20740), (256, 20824), (303, 20875), (304, 20878), (347, 20950), (349, 20953), (381, 21007), (407, 21046), (434, 21124), (470, 21211), (504, 21292), (507, 21295), (582, 21481), (617, 21568), (668, 21673), (675, 21688), (717, 21814), (720, 21820), (757, 21868), (802, 21946), (804, 21952), (821, 22006), (832, 22045), (836, 22060), (865, 22144), (907, 22255),

Gene: DillTech15_16 Start: 14841, Stop: 16550, Start Num: 132

Candidate Starts for DillTech15_16:

(Start: 132 @14841 has 199 MA's), (198, 14928), (Start: 228 @14973 has 2 MA's), (237, 14997), (277, 15102), (282, 15108), (290, 15126), (301, 15156), (349, 15261), (379, 15315), (383, 15321), (389, 15330), (404, 15351), (415, 15375), (425, 15411), (427, 15417), (438, 15450), (439, 15453), (442, 15462), (459, 15477), (467, 15483), (481, 15501), (486, 15516), (488, 15522), (493, 15540), (494, 15543), (501, 15558), (509, 15573), (510, 15579), (523, 15627), (530, 15639), (531, 15645), (586, 15705), (590, 15717), (606, 15753), (612, 15765), (644, 15840), (647, 15849), (656, 15867), (659, 15873), (755, 16008), (764, 16020), (785, 16056), (851, 16254), (862, 16287), (877, 16317), (886, 16347), (889, 16356), (891, 16362), (905, 16377), (906, 16380), (914, 16401), (916, 16404), (940, 16446), (947, 16476), (959, 16518), (960, 16524),

Gene: Diminimus_29 Start: 22367, Stop: 24103, Start Num: 147

Candidate Starts for Diminimus_29:

(66, 22145), (Start: 115 @22325 has 3 MA's), (Start: 124 @22340 has 2 MA's), (Start: 147 @22367 has 14 MA's), (Start: 166 @22382 has 28 MA's), (189, 22421), (205, 22451), (207, 22457), (215, 22469), (271, 22574), (274, 22589), (303, 22628), (372, 22751), (376, 22760), (423, 22856), (437, 22898), (438, 22901), (510, 23078), (552, 23189), (583, 23216), (609, 23288), (612, 23297), (613, 23300), (617, 23312), (674, 23432), (675, 23435), (691, 23477), (700, 23507), (703, 23513), (783, 23633), (787, 23639), (936, 23993), (944, 24020), (950, 24038), (952, 24047),

Gene: Dina_17 Start: 16286, Stop: 17983, Start Num: 125

Candidate Starts for Dina_17:

(Start: 125 @16286 has 8 MA's), (Start: 138 @16307 has 25 MA's), (198, 16391), (210, 16418), (215, 16424), (301, 16556), (329, 16607), (349, 16640), (356, 16649), (425, 16784), (436, 16817), (442, 16835), (468, 16889), (488, 16934), (510, 16991), (513, 17003), (525, 17042), (562, 17093), (574, 17102), (584, 17123), (612, 17189), (647, 17279), (698, 17387), (715, 17441), (717, 17447), (723, 17465), (804, 17561), (818, 17582), (836, 17627), (892, 17786), (901, 17801), (906, 17816), (909, 17828), (965, 17972),

Gene: Dinger_23 Start: 16304, Stop: 17944, Start Num: 162

Candidate Starts for Dinger_23:

(Start: 162 @16304 has 3 MA's), (Start: 173 @16319 has 32 MA's), (210, 16388), (236, 16424), (349, 16610), (421, 16739), (434, 16781), (440, 16799), (443, 16808), (450, 16832), (463, 16850), (481, 16880), (486, 16895), (487, 16898), (501, 16937), (507, 16946), (535, 17030), (609, 17147), (617, 17171), (674, 17285), (701, 17363), (713, 17402), (717, 17414), (721, 17423), (757, 17444), (802, 17522), (860, 17669), (900, 17768), (905, 17783), (965, 17936),

Gene: DirkDirk_18 Start: 16739, Stop: 18508, Start Num: 130

Candidate Starts for DirkDirk_18:

(Start: 98 @16676 has 1 MA's), (106, 16697), (Start: 114 @16712 has 2 MA's), (Start: 130 @16739 has 38 MA's), (194, 16832), (Start: 220 @16880 has 45 MA's), (225, 16886), (245, 16913), (248, 16922), (274, 16994), (281, 17003), (301, 17027), (306, 17042), (323, 17072), (397, 17198), (403, 17207), (413, 17228), (418, 17243), (440, 17312), (451, 17348), (467, 17369), (494, 17438), (510, 17477), (583, 17615), (587, 17627), (616, 17702), (619, 17708), (623, 17726), (638, 17765), (657, 17798), (661, 17807), (669, 17816), (674, 17825), (716, 17948), (732, 17984), (787, 18032), (794, 18044), (824, 18098), (854, 18194), (859, 18212), (861, 18218), (862, 18221), (879, 18254), (886, 18278), (912, 18341), (932, 18383), (944, 18422), (950, 18440), (956, 18461), (961, 18482),

Gene: DirtMcgirt_17 Start: 14762, Stop: 16339, Start Num: 228

Candidate Starts for DirtMcgirt_17:

(Start: 132 @14630 has 199 MA's), (198, 14717), (Start: 228 @14762 has 2 MA's), (237, 14786), (256, 14843), (277, 14891), (282, 14897), (290, 14915), (301, 14945), (349, 15050), (379, 15104), (383, 15110), (389, 15119), (398, 15131), (404, 15140), (415, 15164), (425, 15200), (427, 15206), (431, 15218), (438, 15239), (439, 15242), (442, 15251), (459, 15266), (467, 15272), (481, 15290), (486, 15305), (488, 15311), (493, 15329), (494, 15332), (501, 15347), (509, 15362), (510, 15368), (520, 15398), (523, 15416), (530, 15428), (531, 15434), (586, 15494), (590, 15506), (606, 15542), (612, 15554), (620, 15575), (644, 15629), (647, 15638), (659, 15662), (671, 15692), (755, 15797), (764, 15809), (785, 15845), (803, 15884), (813, 15923), (844, 16022), (851, 16043), (862, 16076), (877, 16106), (886, 16136), (889, 16145), (891, 16151), (905, 16166), (906, 16169), (914, 16190), (916, 16193), (940, 16235), (947, 16265), (959, 16307), (960, 16313),

Gene: DirtyBoi_20 Start: 16958, Stop: 18652, Start Num: 154

Candidate Starts for DirtyBoi_20:

(Start: 126 @16928 has 1 MA's), (Start: 154 @16958 has 21 MA's), (216, 17060), (244, 17111), (265, 17168), (310, 17219), (355, 17297), (360, 17303), (433, 17453), (487, 17576), (508, 17636), (519, 17672), (533, 17714), (563, 17756), (583, 17780), (594, 17810), (708, 18071), (751, 18146), (783, 18188), (804, 18233), (845, 18329), (846, 18332), (851, 18347), (910, 18506), (912, 18512), (951, 18599), (965, 18644),

Gene: DirtyDunning_27 Start: 19823, Stop: 21601, Start Num: 145

Candidate Starts for DirtyDunning_27:

(Start: 128 @19799 has 10 MA's), (Start: 145 @19823 has 749 MA's), (Start: 191 @19880 has 1 MA's), (Start: 220 @19934 has 45 MA's), (233, 19949), (240, 19967), (297, 20051), (303, 20063), (304, 20066), (349, 20141), (361, 20156), (381, 20195), (434, 20312), (470, 20399), (504, 20480), (521, 20528), (528, 20552), (560, 20639), (587, 20684), (617, 20756), (623, 20777), (629, 20795), (675, 20876), (708, 20969), (710, 20978), (717, 21002), (720, 21008), (731, 21032), (779, 21086), (791, 21107), (808, 21158), (815, 21182), (865, 21332), (905, 21437), (909, 21452), (954, 21560), (959, 21578),

Gene: Discoknowium_24 Start: 19773, Stop: 21572, Start Num: 145

Candidate Starts for Discoknowium_24:

(Start: 145 @19773 has 749 MA's), (Start: 220 @19878 has 45 MA's), (240, 19911), (304, 20010), (349, 20085), (361, 20100), (379, 20136), (419, 20208), (423, 20223), (434, 20256), (436, 20262), (523, 20487), (527, 20493), (560, 20583), (613, 20688), (616, 20697), (629, 20739), (637, 20757),

(674, 20817), (675, 20820), (701, 20895), (708, 20913), (777, 21054), (795, 21090), (865, 21303), (904, 21405), (907, 21414), (953, 21528), (959, 21549), (961, 21558),

Gene: DismalFunk_19 Start: 15013, Stop: 16782, Start Num: 143

Candidate Starts for DismalFunk_19:

(Start: 121 @14977 has 1 MA's), (Start: 138 @15007 has 25 MA's), (Start: 143 @15013 has 53 MA's), (Start: 166 @15028 has 28 MA's), (Start: 193 @15070 has 1 MA's), (222, 15118), (Start: 239 @15157 has 1 MA's), (244, 15172), (261, 15223), (276, 15253), (291, 15286), (298, 15298), (304, 15316), (338, 15388), (341, 15394), (395, 15490), (404, 15502), (439, 15604), (444, 15619), (464, 15655), (488, 15691), (508, 15739), (520, 15778), (527, 15802), (531, 15814), (586, 15904), (589, 15913), (693, 16159), (710, 16213), (758, 16267), (820, 16381), (823, 16390), (845, 16465), (862, 16516), (865, 16522), (897, 16603), (909, 16618), (939, 16672), (960, 16753), (971, 16774),

Gene: DismalStressor_19 Start: 15013, Stop: 16782, Start Num: 143

Candidate Starts for DismalStressor_19:

(Start: 121 @14977 has 1 MA's), (Start: 138 @15007 has 25 MA's), (Start: 143 @15013 has 53 MA's), (Start: 166 @15028 has 28 MA's), (Start: 193 @15070 has 1 MA's), (222, 15118), (Start: 239 @15157 has 1 MA's), (244, 15172), (261, 15223), (276, 15253), (291, 15286), (298, 15298), (304, 15316), (338, 15388), (341, 15394), (395, 15490), (404, 15502), (439, 15604), (444, 15619), (464, 15655), (488, 15691), (508, 15739), (520, 15778), (527, 15802), (531, 15814), (586, 15904), (589, 15913), (693, 16159), (710, 16213), (758, 16267), (820, 16381), (823, 16390), (845, 16465), (862, 16516), (865, 16522), (897, 16603), (909, 16618), (939, 16672), (960, 16753), (971, 16774),

Gene: Dixon_24 Start: 18653, Stop: 20443, Start Num: 145

Candidate Starts for Dixon_24:

(Start: 128 @18629 has 10 MA's), (Start: 145 @18653 has 749 MA's), (213, 18746), (240, 18791), (304, 18890), (328, 18926), (349, 18965), (361, 18980), (379, 19016), (434, 19136), (436, 19142), (488, 19262), (535, 19391), (560, 19463), (616, 19577), (708, 19793), (717, 19826), (779, 19928), (795, 19961), (802, 19976), (810, 20006), (904, 20276), (907, 20285), (909, 20294), (956, 20408),

Gene: Dmitri_19 Start: 17502, Stop: 19196, Start Num: 154

Candidate Starts for Dmitri_19:

(Start: 121 @17460 has 1 MA's), (Start: 126 @17472 has 1 MA's), (Start: 154 @17502 has 21 MA's), (216, 17604), (244, 17655), (265, 17712), (310, 17763), (355, 17841), (360, 17847), (433, 17997), (487, 18120), (508, 18180), (519, 18216), (533, 18258), (563, 18300), (594, 18354), (708, 18615), (751, 18690), (783, 18732), (804, 18777), (845, 18873), (846, 18876), (851, 18891), (910, 19050), (912, 19056), (951, 19143), (965, 19188),

Gene: DmpstrDiver_35 Start: 27492, Stop: 29490, Start Num: 133

Candidate Starts for DmpstrDiver_35:

(Start: 133 @27492 has 29 MA's), (Start: 197 @27582 has 47 MA's), (223, 27630), (237, 27660), (247, 27687), (291, 27789), (302, 27819), (321, 27870), (345, 27918), (365, 27954), (367, 27960), (380, 27981), (418, 28053), (421, 28062), (427, 28083), (488, 28191), (489, 28194), (493, 28209), (510, 28248), (523, 28296), (530, 28308), (531, 28314), (573, 28362), (579, 28371), (587, 28392), (595, 28410), (615, 28458), (656, 28560), (691, 28632), (706, 28677), (709, 28689), (726, 28824), (727, 28830), (728, 28854), (740, 28926), (754, 28953), (852, 29202),

Gene: DobbysSock_19 Start: 16820, Stop: 18400, Start Num: 268

Candidate Starts for DobbysSock_19:

(217, 16703), (Start: 268 @16820 has 52 MA's), (418, 17078), (425, 17099), (443, 17153), (459, 17192), (482, 17249), (489, 17270), (582, 17441), (588, 17459), (601, 17483), (608, 17504), (628, 17546), (671, 17627), (705, 17717), (745, 17819), (748, 17822), (779, 17876), (874, 18146), (913, 18245), (918, 18254), (932, 18284),

Gene: DocMcStuffins_17 Start: 14677, Stop: 16386, Start Num: 132

Candidate Starts for DocMcStuffins_17:

(Start: 132 @14677 has 199 MA's), (198, 14764), (Start: 228 @14809 has 2 MA's), (237, 14833), (277, 14938), (282, 14944), (290, 14962), (294, 14971), (301, 14992), (349, 15097), (383, 15157), (389, 15166), (398, 15178), (404, 15187), (415, 15211), (425, 15247), (427, 15253), (431, 15265), (438, 15286), (439, 15289), (442, 15298), (459, 15313), (467, 15319), (481, 15337), (486, 15352), (488, 15358), (493, 15376), (494, 15379), (501, 15394), (509, 15409), (510, 15415), (523, 15463), (530, 15475), (531, 15481), (586, 15541), (590, 15553), (595, 15562), (606, 15589), (612, 15601), (644, 15676), (647, 15685), (656, 15703), (659, 15709), (671, 15739), (755, 15844), (761, 15853), (764, 15856), (785, 15892), (813, 15970), (844, 16069), (851, 16090), (862, 16123), (877, 16153), (886, 16183), (888, 16189), (889, 16192), (891, 16198), (905, 16213), (906, 16216), (914, 16237), (916, 16240), (940, 16282), (959, 16354), (960, 16360),

Gene: DoctorDiddles_24 Start: 18992, Stop: 20587, Start Num: 197

Candidate Starts for DoctorDiddles_24:

(Start: 137 @18908 has 84 MA's), (Start: 197 @18992 has 47 MA's), (Start: 239 @19070 has 1 MA's), (272, 19157), (282, 19172), (301, 19220), (315, 19259), (363, 19346), (380, 19379), (404, 19415), (417, 19445), (418, 19451), (441, 19520), (483, 19550), (487, 19562), (488, 19565), (510, 19622), (587, 19754), (589, 19760), (617, 19826), (620, 19832), (626, 19856), (647, 19904), (659, 19928), (665, 19937), (695, 20012), (761, 20063), (772, 20078), (833, 20240), (841, 20267), (851, 20297), (890, 20402), (938, 20480), (947, 20516), (950, 20525), (959, 20558), (965, 20573),

Gene: DoctorFroggo_34 Start: 30944, Stop: 32566, Start Num: 190

Candidate Starts for DoctorFroggo_34:

(Start: 154 @30887 has 21 MA's), (Start: 190 @30944 has 16 MA's), (205, 30965), (237, 31028), (257, 31091), (289, 31151), (294, 31163), (329, 31250), (354, 31301), (371, 31331), (417, 31412), (424, 31439), (489, 31538), (500, 31568), (504, 31577), (517, 31613), (537, 31673), (586, 31721), (589, 31730), (628, 31829), (649, 31868), (656, 31880), (764, 32036), (772, 32048), (787, 32075), (808, 32132), (822, 32171), (824, 32180), (839, 32237), (843, 32249), (859, 32297), (862, 32306), (865, 32312), (875, 32333), (909, 32411), (961, 32549),

Gene: Dogfish_21 Start: 18185, Stop: 19831, Start Num: 183

Candidate Starts for Dogfish_21:

(Start: 183 @18185 has 3 MA's), (236, 18275), (244, 18299), (246, 18305), (280, 18383), (306, 18449), (308, 18455), (361, 18566), (365, 18575), (380, 18602), (386, 18611), (400, 18632), (486, 18803), (487, 18806), (511, 18872), (517, 18887), (536, 18941), (575, 18971), (580, 18980), (600, 19022), (606, 19043), (623, 19091), (627, 19103), (638, 19130), (675, 19199), (699, 19268), (710, 19301), (760, 19358), (809, 19409), (831, 19478), (859, 19565), (865, 19580), (887, 19637), (890, 19646), (936, 19724), (939, 19730),

Gene: Doggs_18 Start: 17205, Stop: 18899, Start Num: 154

Candidate Starts for Doggs_18:

(31, 16734), (57, 16884), (Start: 126 @17175 has 1 MA's), (Start: 154 @17205 has 21 MA's), (216, 17307), (236, 17334), (240, 17346), (244, 17358), (265, 17415), (310, 17466), (321, 17487), (355, 17544), (360, 17550), (433, 17700), (487, 17823), (508, 17883), (519, 17919), (563, 18003), (594, 18057), (708, 18318), (749, 18390), (751, 18393), (783, 18435), (804, 18480), (845, 18576), (846, 18579), (851, 18594), (910, 18753), (912, 18759), (951, 18846), (965, 18891),

Gene: Dole_23 Start: 17171, Stop: 18937, Start Num: 145

Candidate Starts for Dole_23:

(Start: 145 @17171 has 749 MA's), (Start: 170 @17201 has 1 MA's), (251, 17360), (261, 17393), (276, 17423), (291, 17456), (298, 17468), (338, 17558), (357, 17594), (361, 17600), (404, 17672), (409,

17681), (422, 17720), (436, 17765), (437, 17768), (443, 17786), (444, 17789), (488, 17861), (504, 17903), (508, 17909), (516, 17936), (527, 17972), (548, 18029), (586, 18074), (593, 18092), (619, 18152), (628, 18182), (647, 18209), (693, 18314), (750, 18404), (797, 18473), (809, 18509), (820, 18539), (823, 18548), (845, 18623), (862, 18674), (909, 18773), (938, 18824), (960, 18908), (961, 18911), (971, 18929),

Gene: Dolores_20 Start: 17322, Stop: 18902, Start Num: 268

Candidate Starts for Dolores_20:

(217, 17205), (Start: 268 @17322 has 52 MA's), (418, 17580), (425, 17601), (443, 17655), (459, 17694), (482, 17751), (489, 17772), (582, 17943), (588, 17961), (601, 17985), (608, 18006), (628, 18048), (671, 18129), (705, 18219), (720, 18264), (745, 18321), (748, 18324), (779, 18378), (813, 18468), (913, 18747), (918, 18756), (932, 18786),

Gene: DonkeyMan_18 Start: 14949, Stop: 16565, Start Num: 184

Candidate Starts for DonkeyMan_18:

(Start: 184 @14949 has 11 MA's), (237, 15048), (245, 15072), (294, 15183), (295, 15186), (301, 15204), (304, 15213), (335, 15279), (342, 15294), (346, 15303), (348, 15309), (390, 15381), (404, 15399), (423, 15453), (426, 15462), (457, 15516), (488, 15552), (489, 15555), (527, 15663), (584, 15735), (586, 15741), (589, 15750), (600, 15768), (632, 15858), (691, 15972), (695, 15990), (700, 16002), (779, 16068), (802, 16116), (805, 16128), (808, 16140), (814, 16161), (820, 16173), (824, 16188), (834, 16218), (844, 16254), (929, 16443), (951, 16506), (957, 16527), (965, 16551),

Gene: Donkeykong_16 Start: 14982, Stop: 16691, Start Num: 132

Candidate Starts for Donkeykong_16:

(Start: 132 @14982 has 199 MA's), (198, 15069), (Start: 228 @15114 has 2 MA's), (237, 15138), (256, 15195), (277, 15243), (282, 15249), (290, 15267), (301, 15297), (349, 15402), (383, 15462), (389, 15471), (404, 15492), (415, 15516), (427, 15558), (438, 15591), (442, 15603), (459, 15618), (467, 15624), (481, 15642), (486, 15657), (488, 15663), (501, 15699), (509, 15714), (510, 15720), (523, 15768), (530, 15780), (531, 15786), (586, 15846), (590, 15858), (606, 15894), (612, 15906), (644, 15981), (647, 15990), (656, 16008), (659, 16014), (671, 16044), (755, 16149), (761, 16158), (764, 16161), (785, 16197), (813, 16275), (844, 16374), (851, 16395), (862, 16428), (877, 16458), (886, 16488), (889, 16497), (891, 16503), (905, 16518), (906, 16521), (916, 16545), (935, 16575), (940, 16587), (947, 16617), (959, 16659),

Gene: Donovan_19 Start: 16374, Stop: 18110, Start Num: 129

Candidate Starts for Donovan_19:

(Start: 114 @16350 has 2 MA's), (Start: 129 @16374 has 45 MA's), (174, 16434), (185, 16455), (Start: 187 @16458 has 15 MA's), (250, 16578), (263, 16617), (279, 16650), (291, 16674), (341, 16794), (363, 16833), (365, 16839), (411, 16923), (415, 16929), (418, 16941), (425, 16965), (434, 16992), (441, 17010), (470, 17049), (481, 17055), (489, 17079), (510, 17133), (513, 17145), (517, 17154), (537, 17214), (595, 17292), (612, 17331), (622, 17364), (647, 17430), (654, 17445), (659, 17454), (669, 17478), (686, 17508), (691, 17520), (782, 17622), (788, 17634), (791, 17637), (794, 17643), (796, 17652), (830, 17760), (858, 17844), (898, 17943), (950, 18051), (965, 18099),

Gene: Doom_28 Start: 21888, Stop: 23690, Start Num: 148

Candidate Starts for Doom_28:

(Start: 148 @21888 has 202 MA's), (Start: 166 @21909 has 28 MA's), (Start: 191 @21951 has 1 MA's), (215, 21996), (349, 22212), (376, 22257), (381, 22266), (407, 22305), (425, 22356), (426, 22359), (507, 22554), (528, 22623), (616, 22824), (617, 22827), (623, 22848), (674, 22944), (675, 22947), (677, 22953), (701, 23022), (708, 23040), (710, 23049), (720, 23079), (779, 23175), (795, 23208), (802, 23223), (845, 23364), (865, 23421), (907, 23532), (966, 23685),

Gene: Doomphist_16 Start: 14940, Stop: 16649, Start Num: 132

Candidate Starts for Doomphist_16:

(Start: 132 @14940 has 199 MA's), (198, 15027), (Start: 228 @15072 has 2 MA's), (237, 15096), (277, 15201), (282, 15207), (290, 15225), (301, 15255), (349, 15360), (383, 15420), (398, 15441), (404, 15450), (415, 15474), (438, 15549), (481, 15600), (486, 15615), (488, 15621), (501, 15657), (503, 15660), (509, 15672), (510, 15678), (523, 15726), (530, 15738), (531, 15744), (586, 15804), (590, 15816), (606, 15852), (612, 15864), (644, 15939), (647, 15948), (656, 15966), (659, 15972), (671, 16002), (755, 16107), (764, 16119), (785, 16155), (813, 16233), (844, 16332), (851, 16353), (862, 16386), (877, 16416), (886, 16446), (888, 16452), (889, 16455), (891, 16461), (905, 16476), (906, 16479), (914, 16500), (916, 16503), (940, 16545), (959, 16617), (960, 16623),

Gene: Dorito_19 Start: 16822, Stop: 18402, Start Num: 268

Candidate Starts for Dorito_19:

(25, 16045), (46, 16201), (72, 16396), (78, 16432), (80, 16435), (105, 16519), (108, 16525), (189, 16651), (217, 16705), (Start: 268 @16822 has 52 MA's), (365, 16993), (418, 17080), (424, 17098), (425, 17101), (443, 17155), (459, 17194), (482, 17251), (489, 17272), (582, 17443), (588, 17461), (601, 17485), (608, 17506), (628, 17548), (671, 17629), (705, 17719), (745, 17821), (779, 17878), (813, 17968), (913, 18247), (918, 18256), (932, 18286),

Gene: Dorothea_30 Start: 19977, Stop: 21749, Start Num: 145

Candidate Starts for Dorothea_30:

(103, 19911), (Start: 128 @19953 has 10 MA's), (Start: 145 @19977 has 749 MA's), (261, 20175), (304, 20214), (347, 20286), (349, 20289), (363, 20307), (381, 20343), (385, 20349), (434, 20460), (436, 20466), (470, 20547), (488, 20586), (504, 20628), (507, 20631), (523, 20691), (624, 20928), (629, 20943), (675, 21024), (706, 21111), (720, 21156), (802, 21282), (817, 21333), (821, 21342), (832, 21381), (833, 21384), (836, 21396), (865, 21480), (905, 21585), (907, 21591), (959, 21726),

Gene: Dorothy_16 Start: 14766, Stop: 16475, Start Num: 132

Candidate Starts for Dorothy_16:

(Start: 132 @14766 has 199 MA's), (198, 14853), (Start: 228 @14898 has 2 MA's), (237, 14922), (277, 15027), (282, 15033), (290, 15051), (301, 15081), (349, 15186), (383, 15246), (398, 15267), (404, 15276), (415, 15300), (481, 15426), (486, 15441), (488, 15447), (501, 15483), (503, 15486), (509, 15498), (510, 15504), (523, 15552), (530, 15564), (531, 15570), (586, 15630), (590, 15642), (606, 15678), (612, 15690), (644, 15765), (647, 15774), (656, 15792), (659, 15798), (671, 15828), (755, 15933), (761, 15942), (764, 15945), (785, 15981), (813, 16059), (844, 16158), (851, 16179), (862, 16212), (877, 16242), (886, 16272), (889, 16281), (891, 16287), (905, 16302), (906, 16305), (914, 16326), (916, 16329), (940, 16371), (947, 16401), (959, 16443),

Gene: DosHalletts_17 Start: 14741, Stop: 16450, Start Num: 132

Candidate Starts for DosHalletts_17:

(Start: 132 @14741 has 199 MA's), (198, 14828), (Start: 228 @14873 has 2 MA's), (237, 14897), (265, 14975), (277, 15002), (282, 15008), (290, 15026), (301, 15056), (349, 15161), (383, 15221), (398, 15242), (404, 15251), (415, 15275), (427, 15317), (438, 15350), (442, 15362), (459, 15377), (481, 15401), (486, 15416), (488, 15422), (501, 15458), (509, 15473), (510, 15479), (523, 15527), (530, 15539), (531, 15545), (586, 15605), (590, 15617), (606, 15653), (612, 15665), (644, 15740), (647, 15749), (656, 15767), (659, 15773), (671, 15803), (755, 15908), (761, 15917), (764, 15920), (785, 15956), (813, 16034), (844, 16133), (851, 16154), (862, 16187), (877, 16217), (885, 16244), (886, 16247), (889, 16256), (891, 16262), (905, 16277), (906, 16280), (914, 16301), (916, 16304), (921, 16313), (940, 16346), (947, 16376), (959, 16418),

Gene: DotProduct_16 Start: 14816, Stop: 16525, Start Num: 132

Candidate Starts for DotProduct_16:

(Start: 132 @14816 has 199 MA's), (198, 14903), (Start: 228 @14948 has 2 MA's), (237, 14972), (244, 14993), (277, 15077), (282, 15083), (290, 15101), (301, 15131), (349, 15236), (383, 15296), (389,

15305), (398, 15317), (404, 15326), (415, 15350), (438, 15425), (439, 15428), (459, 15452), (467, 15458), (481, 15476), (486, 15491), (488, 15497), (493, 15515), (494, 15518), (501, 15533), (503, 15536), (509, 15548), (510, 15554), (520, 15584), (523, 15602), (530, 15614), (531, 15620), (586, 15680), (590, 15692), (606, 15728), (612, 15740), (620, 15761), (644, 15815), (647, 15824), (659, 15848), (671, 15878), (755, 15983), (761, 15992), (764, 15995), (785, 16031), (803, 16070), (813, 16109), (844, 16208), (851, 16229), (862, 16262), (877, 16292), (886, 16322), (889, 16331), (891, 16337), (905, 16352), (906, 16355), (914, 16376), (916, 16379), (940, 16421), (947, 16451), (959, 16493), (960, 16499),

Gene: Doug_17 Start: 15357, Stop: 17066, Start Num: 132

Candidate Starts for Doug_17:

(Start: 132 @15357 has 199 MA's), (198, 15444), (Start: 228 @15489 has 2 MA's), (237, 15513), (277, 15618), (282, 15624), (290, 15642), (301, 15672), (349, 15777), (383, 15837), (398, 15858), (404, 15867), (415, 15891), (481, 16017), (486, 16032), (488, 16038), (501, 16074), (503, 16077), (509, 16089), (510, 16095), (523, 16143), (530, 16155), (531, 16161), (586, 16221), (590, 16233), (606, 16269), (612, 16281), (620, 16302), (644, 16356), (647, 16365), (656, 16383), (659, 16389), (755, 16524), (764, 16536), (785, 16572), (813, 16650), (844, 16749), (851, 16770), (862, 16803), (877, 16833), (886, 16863), (888, 16869), (889, 16872), (891, 16878), (905, 16893), (906, 16896), (914, 16917), (916, 16920), (940, 16962), (959, 17034),

Gene: Douge_18 Start: 16581, Stop: 18344, Start Num: 130

Candidate Starts for Douge_18:

(Start: 130 @16581 has 38 MA's), (225, 16722), (274, 16830), (276, 16833), (394, 17031), (397, 17034), (405, 17046), (415, 17067), (448, 17175), (467, 17205), (510, 17313), (521, 17346), (523, 17361), (533, 17382), (616, 17538), (638, 17601), (661, 17643), (669, 17652), (691, 17706), (703, 17742), (787, 17868), (802, 17901), (844, 18003), (847, 18012), (854, 18030), (862, 18057), (886, 18114), (905, 18153), (912, 18177), (930, 18213), (936, 18228), (944, 18258), (952, 18285), (956, 18297), (961, 18318),

Gene: Dove_35 Start: 26623, Stop: 28356, Start Num: 133

Candidate Starts for Dove_35:

(Start: 133 @26623 has 29 MA's), (Start: 197 @26713 has 47 MA's), (223, 26761), (237, 26791), (247, 26818), (291, 26920), (302, 26950), (345, 27049), (365, 27085), (367, 27091), (380, 27112), (418, 27184), (421, 27193), (427, 27214), (467, 27283), (488, 27322), (489, 27325), (493, 27340), (510, 27379), (523, 27427), (530, 27439), (531, 27445), (573, 27493), (579, 27502), (587, 27523), (595, 27541), (615, 27589), (656, 27691), (686, 27751), (691, 27763), (772, 27847), (779, 27859), (782, 27865), (788, 27877), (791, 27880), (805, 27919), (810, 27937), (823, 27973), (824, 27979), (851, 28066), (885, 28156), (909, 28198), (919, 28216), (936, 28246), (948, 28288), (965, 28342),

Gene: DrDrey_25 Start: 20238, Stop: 21917, Start Num: 137

Candidate Starts for DrDrey_25:

(Start: 137 @20238 has 84 MA's), (Start: 197 @20322 has 47 MA's), (Start: 239 @20400 has 1 MA's), (272, 20487), (282, 20502), (301, 20550), (315, 20589), (363, 20676), (380, 20709), (404, 20745), (417, 20775), (418, 20781), (441, 20850), (483, 20880), (487, 20892), (488, 20895), (510, 20952), (587, 21084), (589, 21090), (617, 21156), (620, 21162), (626, 21186), (647, 21234), (659, 21258), (665, 21267), (695, 21342), (761, 21393), (772, 21408), (833, 21570), (841, 21597), (851, 21627), (890, 21732), (938, 21810), (947, 21846), (950, 21855), (959, 21888), (965, 21903),

Gene: DrFeelGood_26 Start: 21434, Stop: 23236, Start Num: 148

Candidate Starts for DrFeelGood_26:

(Start: 148 @21434 has 202 MA's), (Start: 166 @21455 has 28 MA's), (Start: 191 @21497 has 1 MA's), (215, 21542), (349, 21758), (376, 21803), (381, 21812), (407, 21851), (425, 21902), (426, 21905), (507, 22100), (528, 22169), (616, 22370), (617, 22373), (623, 22394), (674, 22490), (675,

22493), (677, 22499), (701, 22568), (708, 22586), (710, 22595), (720, 22625), (779, 22721), (795, 22754), (802, 22769), (845, 22910), (865, 22967), (907, 23078), (966, 23231),

Gene: DrHayes_23 Start: 17102, Stop: 18868, Start Num: 145

Candidate Starts for DrHayes_23:

(Start: 145 @17102 has 749 MA's), (Start: 170 @17132 has 1 MA's), (251, 17291), (261, 17324), (276, 17354), (291, 17387), (298, 17399), (338, 17489), (361, 17531), (404, 17603), (409, 17612), (422, 17651), (436, 17696), (444, 17720), (488, 17792), (504, 17834), (508, 17840), (516, 17867), (586, 18005), (593, 18023), (612, 18065), (628, 18113), (647, 18140), (693, 18245), (750, 18335), (809, 18440), (820, 18470), (823, 18479), (845, 18554), (862, 18605), (950, 18800), (960, 18839), (961, 18842), (971, 18860),

Gene: DrSeegs_18 Start: 16989, Stop: 18722, Start Num: 165

Candidate Starts for DrSeegs_18:

(Start: 165 @16989 has 28 MA's), (205, 17058), (274, 17199), (276, 17202), (306, 17247), (326, 17280), (329, 17289), (350, 17325), (379, 17379), (397, 17406), (405, 17418), (423, 17469), (425, 17475), (436, 17508), (500, 17661), (510, 17685), (512, 17694), (527, 17739), (533, 17754), (583, 17832), (626, 17952), (657, 18015), (691, 18087), (703, 18123), (783, 18243), (787, 18249), (794, 18261), (826, 18324), (854, 18411), (862, 18438), (890, 18507), (897, 18522), (905, 18534), (912, 18558), (944, 18636),

Gene: Drago_17 Start: 14628, Stop: 16337, Start Num: 132

Candidate Starts for Drago_17:

(Start: 132 @14628 has 199 MA's), (198, 14715), (Start: 228 @14760 has 2 MA's), (237, 14784), (256, 14841), (277, 14889), (282, 14895), (290, 14913), (301, 14943), (349, 15048), (379, 15102), (383, 15108), (389, 15117), (398, 15129), (404, 15138), (415, 15162), (425, 15198), (427, 15204), (431, 15216), (438, 15237), (439, 15240), (442, 15249), (459, 15264), (467, 15270), (481, 15288), (486, 15303), (488, 15309), (493, 15327), (494, 15330), (501, 15345), (509, 15360), (510, 15366), (520, 15396), (523, 15414), (530, 15426), (531, 15432), (586, 15492), (590, 15504), (606, 15540), (612, 15552), (620, 15573), (644, 15627), (647, 15636), (659, 15660), (671, 15690), (755, 15795), (764, 15807), (785, 15843), (803, 15882), (813, 15921), (844, 16020), (851, 16041), (862, 16074), (877, 16104), (886, 16134), (889, 16143), (891, 16149), (905, 16164), (906, 16167), (914, 16188), (916, 16191), (940, 16233), (947, 16263), (959, 16305), (960, 16311),

Gene: Drake55_30 Start: 20670, Stop: 22442, Start Num: 145

Candidate Starts for Drake55_30:

(Start: 128 @20646 has 10 MA's), (Start: 145 @20670 has 749 MA's), (Start: 239 @20805 has 1 MA's), (303, 20904), (304, 20907), (347, 20979), (349, 20982), (381, 21036), (385, 21042), (419, 21105), (434, 21153), (445, 21186), (448, 21198), (470, 21240), (504, 21321), (507, 21324), (516, 21354), (582, 21510), (617, 21597), (668, 21702), (675, 21717), (716, 21840), (717, 21843), (720, 21849), (757, 21897), (795, 21960), (802, 21975), (804, 21981), (821, 22035), (832, 22074), (836, 22089), (847, 22122), (862, 22167), (905, 22278), (907, 22284), (935, 22338),

Gene: Drake94_26 Start: 17881, Stop: 19659, Start Num: 145

Candidate Starts for Drake94_26:

(Start: 128 @17857 has 10 MA's), (Start: 145 @17881 has 749 MA's), (Start: 191 @17938 has 1 MA's), (199, 17953), (233, 18007), (303, 18121), (304, 18124), (349, 18199), (373, 18238), (434, 18370), (470, 18457), (501, 18532), (516, 18571), (528, 18610), (560, 18697), (587, 18742), (616, 18811), (623, 18835), (627, 18847), (629, 18853), (708, 19027), (710, 19036), (717, 19060), (720, 19066), (729, 19081), (757, 19114), (791, 19165), (810, 19222), (811, 19228), (865, 19390), (905, 19495), (907, 19501), (909, 19510), (959, 19636),

Gene: Dre3_18 Start: 15938, Stop: 17629, Start Num: 145

Candidate Starts for Dre3_18:

(Start: 145 @15938 has 749 MA's), (Start: 220 @16052 has 45 MA's), (240, 16085), (360, 16286), (379, 16322), (423, 16409), (463, 16511), (481, 16544), (485, 16556), (486, 16559), (506, 16616), (516, 16649), (521, 16664), (530, 16691), (541, 16730), (582, 16766), (584, 16772), (606, 16826), (616, 16850), (628, 16889), (631, 16895), (674, 16967), (680, 16985), (686, 16994), (689, 17003), (708, 17060), (712, 17078), (796, 17189), (802, 17201), (806, 17216), (818, 17228), (844, 17300), (845, 17303), (881, 17399), (890, 17426), (902, 17450), (907, 17468),

Gene: DreamCatcher_30 Start: 22505, Stop: 24307, Start Num: 148

Candidate Starts for DreamCatcher_30:

(Start: 148 @22505 has 202 MA's), (Start: 166 @22526 has 28 MA's), (Start: 191 @22568 has 1 MA's), (215, 22613), (349, 22829), (376, 22874), (381, 22883), (407, 22922), (425, 22973), (426, 22976), (507, 23171), (528, 23240), (616, 23441), (617, 23444), (623, 23465), (674, 23561), (675, 23564), (677, 23570), (701, 23639), (708, 23657), (710, 23666), (720, 23696), (779, 23792), (795, 23825), (802, 23840), (845, 23981), (865, 24038), (907, 24149), (966, 24302),

Gene: DreamTeam1_28 Start: 19699, Stop: 21489, Start Num: 145

Candidate Starts for DreamTeam1_28:

(103, 19633), (Start: 128 @19675 has 10 MA's), (Start: 145 @19699 has 749 MA's), (303, 19933), (304, 19936), (347, 20008), (349, 20011), (361, 20026), (363, 20029), (381, 20065), (385, 20071), (415, 20122), (423, 20149), (425, 20155), (434, 20182), (436, 20188), (445, 20215), (470, 20269), (504, 20350), (507, 20353), (523, 20413), (609, 20602), (629, 20665), (657, 20716), (675, 20746), (717, 20872), (779, 20974), (783, 20983), (795, 21007), (802, 21022), (808, 21046), (832, 21121), (836, 21136), (865, 21220), (905, 21325), (907, 21331), (935, 21385), (950, 21433),

Gene: Dreamboat_28 Start: 21057, Stop: 22859, Start Num: 148

Candidate Starts for Dreamboat_28:

(Start: 148 @21057 has 202 MA's), (Start: 166 @21078 has 28 MA's), (Start: 191 @21120 has 1 MA's), (215, 21165), (349, 21381), (376, 21426), (381, 21435), (425, 21525), (426, 21528), (507, 21723), (528, 21792), (616, 21993), (617, 21996), (623, 22017), (674, 22113), (675, 22116), (677, 22122), (701, 22191), (708, 22209), (710, 22218), (720, 22248), (779, 22344), (795, 22377), (802, 22392), (845, 22533), (865, 22590), (907, 22701),

Gene: DroogsArmy_28 Start: 22621, Stop: 24423, Start Num: 145

Candidate Starts for DroogsArmy_28:

(Start: 134 @22609 has 40 MA's), (Start: 145 @22621 has 749 MA's), (189, 22666), (201, 22687), (303, 22852), (304, 22855), (349, 22930), (361, 22945), (436, 23107), (438, 23113), (470, 23188), (523, 23332), (583, 23458), (587, 23470), (616, 23539), (629, 23581), (674, 23677), (675, 23680), (680, 23695), (701, 23755), (708, 23773), (710, 23782), (717, 23806), (720, 23812), (777, 23905), (779, 23908), (795, 23941), (802, 23956), (811, 23992), (813, 23998), (841, 24085), (844, 24094), (896, 24235), (907, 24265), (909, 24274), (951, 24370), (965, 24415),

Gene: Druantia_27 Start: 19828, Stop: 21606, Start Num: 145

Candidate Starts for Druantia_27:

(Start: 128 @19804 has 10 MA's), (Start: 145 @19828 has 749 MA's), (Start: 191 @19885 has 1 MA's), (Start: 220 @19939 has 45 MA's), (233, 19954), (240, 19972), (297, 20056), (303, 20068), (304, 20071), (349, 20146), (361, 20161), (381, 20200), (434, 20317), (470, 20404), (504, 20485), (521, 20533), (528, 20557), (560, 20644), (587, 20689), (617, 20761), (623, 20782), (629, 20800), (675, 20881), (708, 20974), (710, 20983), (717, 21007), (720, 21013), (731, 21037), (779, 21091), (791, 21112), (808, 21163), (815, 21187), (833, 21241), (865, 21337), (905, 21442), (909, 21457), (954, 21565), (959, 21583),

Gene: Dublin_23 Start: 19626, Stop: 21422, Start Num: 145

Candidate Starts for Dublin_23:

(Start: 145 @19626 has 749 MA's), (Start: 220 @19731 has 45 MA's), (240, 19764), (304, 19863), (349, 19938), (361, 19953), (379, 19989), (419, 20061), (423, 20076), (436, 20115), (476, 20202), (516, 20310), (523, 20340), (527, 20346), (587, 20481), (612, 20538), (613, 20541), (616, 20550), (629, 20592), (637, 20610), (674, 20670), (675, 20673), (708, 20766), (710, 20775), (717, 20799), (777, 20907), (795, 20943), (865, 21153), (886, 21207), (904, 21255), (907, 21264), (953, 21378), (959, 21399), (961, 21408),

Gene: DudeLittle_28 Start: 20267, Stop: 22039, Start Num: 145

Candidate Starts for DudeLittle_28:

(Start: 128 @20243 has 10 MA's), (Start: 145 @20267 has 749 MA's), (303, 20501), (304, 20504), (347, 20576), (349, 20579), (381, 20633), (407, 20672), (423, 20717), (434, 20750), (470, 20837), (504, 20918), (507, 20921), (617, 21194), (675, 21314), (717, 21440), (757, 21494), (765, 21503), (779, 21524), (795, 21557), (802, 21572), (804, 21578), (821, 21632), (832, 21671), (836, 21686), (865, 21770), (907, 21881),

Gene: Dulcie_26 Start: 20754, Stop: 22556, Start Num: 148

Candidate Starts for Dulcie_26:

(Start: 148 @20754 has 202 MA's), (Start: 166 @20775 has 28 MA's), (Start: 191 @20817 has 1 MA's), (215, 20862), (349, 21078), (376, 21123), (381, 21132), (407, 21171), (425, 21222), (426, 21225), (507, 21420), (528, 21489), (616, 21690), (617, 21693), (623, 21714), (674, 21810), (675, 21813), (677, 21819), (701, 21888), (708, 21906), (710, 21915), (720, 21945), (779, 22041), (795, 22074), (802, 22089), (845, 22230), (865, 22287), (907, 22398),

Gene: Dulcita_29 Start: 22367, Stop: 24103, Start Num: 147

Candidate Starts for Dulcita_29:

(66, 22145), (Start: 115 @22325 has 3 MA's), (Start: 124 @22340 has 2 MA's), (Start: 147 @22367 has 14 MA's), (Start: 166 @22382 has 28 MA's), (189, 22421), (205, 22451), (207, 22457), (215, 22469), (271, 22574), (274, 22589), (303, 22628), (372, 22751), (376, 22760), (423, 22856), (437, 22898), (438, 22901), (510, 23078), (552, 23189), (583, 23216), (609, 23288), (612, 23297), (613, 23300), (617, 23312), (674, 23432), (675, 23435), (691, 23477), (700, 23507), (703, 23513), (783, 23633), (787, 23639), (936, 23993), (944, 24020), (950, 24038), (952, 24047),

Gene: Dumbo_24 Start: 19297, Stop: 20892, Start Num: 197

Candidate Starts for Dumbo_24:

(Start: 137 @19213 has 84 MA's), (Start: 197 @19297 has 47 MA's), (Start: 239 @19375 has 1 MA's), (272, 19462), (282, 19477), (301, 19525), (315, 19564), (363, 19651), (380, 19684), (404, 19720), (417, 19750), (418, 19756), (441, 19825), (483, 19855), (487, 19867), (488, 19870), (510, 19927), (587, 20059), (589, 20065), (617, 20131), (620, 20137), (626, 20161), (647, 20209), (659, 20233), (665, 20242), (695, 20317), (761, 20368), (772, 20383), (833, 20545), (841, 20572), (851, 20602), (890, 20707), (938, 20785), (947, 20821), (950, 20830), (959, 20863), (965, 20878),

Gene: DumpsterDude_19 Start: 16204, Stop: 17910, Start Num: 187

Candidate Starts for DumpsterDude_19:

(171, 16180), (Start: 187 @16204 has 15 MA's), (Start: 197 @16216 has 47 MA's), (226, 16264), (275, 16393), (279, 16399), (305, 16465), (361, 16579), (400, 16645), (404, 16651), (489, 16831), (491, 16837), (521, 16918), (585, 17032), (628, 17146), (647, 17179), (665, 17209), (666, 17212), (690, 17275), (691, 17278), (701, 17311), (808, 17479), (810, 17485), (842, 17584), (895, 17728), (971, 17902),

Gene: DuncansLeg_19 Start: 17373, Stop: 19136, Start Num: 130

Candidate Starts for DuncansLeg_19:

(Start: 130 @17373 has 38 MA's), (155, 17400), (194, 17463), (Start: 220 @17511 has 45 MA's), (225, 17517), (248, 17553), (276, 17628), (329, 17715), (397, 17829), (405, 17841), (443, 17952), (507, 18096), (510, 18108), (521, 18141), (616, 18330), (619, 18336), (638, 18393), (661, 18435), (669, 18444), (675, 18456), (701, 18531), (723, 18597), (732, 18612), (787, 18660), (847, 18804), (862, 18849), (882, 18894), (886, 18906), (912, 18969), (930, 19005), (936, 19020), (944, 19050), (946, 19056), (950, 19068), (952, 19077), (956, 19089),

Gene: Duplicity_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Duplicity_18:

(Start: 134 @14989 has 40 MA's), (161, 15016), (Start: 228 @15121 has 2 MA's), (232, 15133), (245, 15169), (263, 15220), (277, 15250), (282, 15256), (294, 15283), (296, 15289), (349, 15409), (379, 15463), (383, 15469), (395, 15487), (404, 15499), (406, 15502), (415, 15523), (427, 15565), (438, 15598), (481, 15649), (486, 15664), (501, 15706), (509, 15721), (510, 15727), (523, 15775), (535, 15799), (554, 15829), (586, 15853), (612, 15913), (616, 15925), (636, 15979), (644, 15988), (670, 16048), (671, 16051), (755, 16156), (761, 16165), (785, 16204), (832, 16342), (885, 16492), (886, 16495), (889, 16504), (905, 16525), (916, 16552), (938, 16588), (965, 16681),

Gene: Duplo_31 Start: 20087, Stop: 21877, Start Num: 145

Candidate Starts for Duplo_31:

(103, 20021), (Start: 128 @20063 has 10 MA's), (Start: 145 @20087 has 749 MA's), (246, 20240), (303, 20321), (304, 20324), (347, 20396), (349, 20399), (361, 20414), (381, 20453), (385, 20459), (434, 20570), (440, 20588), (443, 20597), (470, 20657), (504, 20738), (507, 20741), (560, 20897), (582, 20927), (675, 21134), (717, 21260), (779, 21362), (795, 21395), (802, 21410), (808, 21434), (832, 21509), (833, 21512), (836, 21524), (865, 21608), (894, 21686), (905, 21713), (907, 21719), (928, 21764), (935, 21773), (959, 21854),

Gene: Durfee_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Durfee_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Dusk_23 Start: 19405, Stop: 21084, Start Num: 137

Candidate Starts for Dusk_23:

(Start: 137 @19405 has 84 MA's), (Start: 197 @19489 has 47 MA's), (Start: 239 @19567 has 1 MA's), (272, 19654), (282, 19669), (301, 19717), (315, 19756), (363, 19843), (380, 19876), (404, 19912), (417, 19942), (418, 19948), (441, 20017), (483, 20047), (487, 20059), (488, 20062), (510, 20119), (587, 20251), (589, 20257), (617, 20323), (620, 20329), (626, 20353), (647, 20401), (659, 20425), (665, 20434), (695, 20509), (761, 20560), (772, 20575), (833, 20737), (841, 20764), (851, 20794), (890, 20899), (938, 20977), (947, 21013), (950, 21022), (959, 21055), (965, 21070),

Gene: Dussy_28 Start: 21319, Stop: 23121, Start Num: 148

Candidate Starts for Dussy_28:

(Start: 148 @21319 has 202 MA's), (Start: 166 @21340 has 28 MA's), (Start: 191 @21382 has 1 MA's), (215, 21427), (349, 21643), (376, 21688), (381, 21697), (407, 21736), (425, 21787), (426, 21790), (507, 21985), (528, 22054), (616, 22255), (617, 22258), (623, 22279), (674, 22375), (675, 22378), (677, 22384), (701, 22453), (708, 22471), (710, 22480), (720, 22510), (779, 22606), (795, 22639), (802, 22654), (845, 22795), (865, 22852), (907, 22963),

Gene: Dusty_46 Start: 29340, Stop: 31031, Start Num: 154

Candidate Starts for Dusty_46:

(Start: 154 @29340 has 21 MA's), (Start: 193 @29400 has 1 MA's), (208, 29433), (Start: 228 @29463 has 2 MA's), (229, 29466), (291, 29625), (295, 29634), (351, 29763), (378, 29811), (510, 30024), (511, 30030), (520, 30054), (600, 30183), (606, 30204), (620, 30237), (695, 30435), (810, 30588), (841, 30687), (845, 30699), (848, 30708), (880, 30792), (948, 30939), (958, 30975),

Gene: Dylan_56 Start: 33569, Stop: 35305, Start Num: 118

Candidate Starts for Dylan_56:

(Start: 113 @33560 has 2 MA's), (Start: 118 @33569 has 26 MA's), (180, 33659), (244, 33776), (256, 33812), (265, 33833), (277, 33860), (282, 33866), (295, 33896), (303, 33920), (328, 33971), (404, 34109), (408, 34115), (424, 34166), (425, 34169), (431, 34187), (481, 34238), (488, 34259), (489, 34262), (501, 34295), (509, 34310), (510, 34316), (523, 34364), (527, 34370), (530, 34376), (575, 34436), (586, 34460), (587, 34463), (606, 34508), (613, 34523), (616, 34532), (620, 34541), (636, 34586), (647, 34604), (665, 34637), (764, 34775), (777, 34796), (806, 34862), (814, 34892), (830, 34946), (844, 34988), (851, 35009), (858, 35030), (862, 35042), (872, 35063), (891, 35117), (938, 35195), (947, 35231), (953, 35252), (960, 35279),

Gene: Dynamix_28 Start: 21136, Stop: 22938, Start Num: 148

Candidate Starts for Dynamix_28:

(Start: 148 @21136 has 202 MA's), (Start: 166 @21157 has 28 MA's), (Start: 191 @21199 has 1 MA's), (215, 21244), (349, 21460), (376, 21505), (381, 21514), (425, 21604), (426, 21607), (463, 21700), (507, 21802), (528, 21871), (616, 22072), (617, 22075), (623, 22096), (674, 22192), (675, 22195), (677, 22201), (701, 22270), (708, 22288), (710, 22297), (720, 22327), (779, 22423), (795, 22456), (802, 22471), (845, 22612), (865, 22669), (907, 22780), (966, 22933),

Gene: Dynamo_19 Start: 16394, Stop: 18130, Start Num: 129

Candidate Starts for Dynamo_19:

(Start: 114 @16370 has 2 MA's), (Start: 129 @16394 has 45 MA's), (174, 16454), (185, 16475), (Start: 187 @16478 has 15 MA's), (250, 16598), (263, 16637), (279, 16670), (291, 16694), (341, 16814), (363, 16853), (365, 16859), (411, 16943), (415, 16949), (418, 16961), (425, 16985), (434, 17012), (441, 17030), (470, 17069), (481, 17075), (489, 17099), (510, 17153), (513, 17165), (517, 17174), (537, 17234), (595, 17312), (612, 17351), (622, 17384), (647, 17450), (654, 17465), (659, 17474), (669, 17498), (686, 17528), (691, 17540), (782, 17642), (788, 17654), (791, 17657), (794, 17663), (796, 17672), (830, 17780), (858, 17864), (898, 17963), (950, 18071), (965, 18119),

Gene: DyoEdafos_19 Start: 16789, Stop: 18552, Start Num: 130

Candidate Starts for DyoEdafos_19:

(Start: 130 @16789 has 38 MA's), (225, 16930), (246, 16960), (274, 17038), (276, 17041), (394, 17239), (397, 17242), (405, 17254), (415, 17275), (448, 17383), (467, 17413), (510, 17521), (512, 17530), (521, 17554), (523, 17569), (533, 17590), (616, 17746), (638, 17809), (661, 17851), (669, 17860), (675, 17872), (703, 17950), (787, 18076), (793, 18085), (802, 18109), (844, 18211), (847, 18220), (854, 18238), (862, 18265), (886, 18322), (912, 18385), (930, 18421), (936, 18436), (944, 18466), (952, 18493), (956, 18505), (961, 18526),

Gene: ECartman_18 Start: 16640, Stop: 18403, Start Num: 138

Candidate Starts for ECartman_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: EMoore_31 Start: 29511, Stop: 31136, Start Num: 190

Candidate Starts for EMoore_31:

(Start: 154 @29454 has 21 MA's), (Start: 190 @29511 has 16 MA's), (198, 29523), (214, 29556), (Start: 239 @29607 has 1 MA's), (289, 29724), (294, 29736), (326, 29811), (348, 29862), (354, 29871), (371, 29901), (424, 30009), (489, 30108), (500, 30138), (504, 30147), (516, 30180), (517, 30183), (537, 30243), (586, 30291), (616, 30363), (627, 30396), (628, 30399), (649, 30438), (668, 30477), (700, 30564), (701, 30567), (755, 30594), (787, 30645), (809, 30705), (824, 30750), (847, 30831), (859, 30867), (862, 30876), (867, 30885), (909, 30981), (950, 31077), (959, 31110), (965, 31125),

Gene: EMSquaredA_20 Start: 17566, Stop: 19272, Start Num: 145

Candidate Starts for EMSquaredA_20:

(Start: 129 @17542 has 45 MA's), (Start: 145 @17566 has 749 MA's), (216, 17671), (242, 17713), (285, 17788), (349, 17902), (423, 18049), (425, 18055), (440, 18100), (500, 18238), (525, 18313), (674, 18595), (681, 18616), (708, 18691), (759, 18778), (787, 18814), (802, 18847), (804, 18853), (835, 18919), (845, 18949), (905, 19105), (907, 19111), (912, 19129), (957, 19240),

Gene: EZMoney23_32 Start: 22145, Stop: 23917, Start Num: 145

Candidate Starts for EZMoney23_32:

(Start: 128 @22121 has 10 MA's), (Start: 145 @22145 has 749 MA's), (303, 22379), (304, 22382), (347, 22454), (349, 22457), (381, 22511), (407, 22550), (434, 22628), (470, 22715), (504, 22796), (507, 22799), (582, 22985), (609, 23048), (617, 23072), (629, 23111), (668, 23177), (675, 23192), (720, 23324), (779, 23402), (795, 23435), (802, 23450), (821, 23510), (832, 23549), (836, 23564), (847, 23597), (865, 23648), (905, 23753), (907, 23759),

Gene: Eagle_26 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Eagle_26:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: EagleEye_30 Start: 20938, Stop: 22728, Start Num: 145

Candidate Starts for EagleEye_30:

(Start: 128 @20914 has 10 MA's), (Start: 145 @20938 has 749 MA's), (246, 21091), (303, 21172), (304, 21175), (347, 21247), (349, 21250), (363, 21268), (373, 21289), (381, 21304), (385, 21310), (415, 21361), (434, 21421), (470, 21508), (504, 21589), (507, 21592), (582, 21778), (609, 21841), (617, 21865), (629, 21904), (675, 21985), (717, 22111), (753, 22174), (802, 22261), (832, 22360), (847, 22408), (865, 22459), (907, 22570), (935, 22624),

Gene: Eaglepride_28 Start: 19807, Stop: 21585, Start Num: 145

Candidate Starts for Eaglepride_28:

(Start: 128 @19783 has 10 MA's), (Start: 145 @19807 has 749 MA's), (Start: 191 @19864 has 1 MA's), (233, 19933), (297, 20035), (303, 20047), (304, 20050), (349, 20125), (361, 20140), (381, 20179), (434, 20296), (470, 20383), (501, 20458), (516, 20497), (560, 20623), (587, 20668), (616, 20737), (623, 20761), (627, 20773), (629, 20779), (708, 20953), (710, 20962), (717, 20986), (720, 20992), (757, 21040), (791, 21091), (798, 21109), (905, 21421), (907, 21427), (909, 21436), (959, 21562),

Gene: Eapen_27 Start: 19826, Stop: 21604, Start Num: 145

Candidate Starts for Eapen_27:

(Start: 128 @19802 has 10 MA's), (Start: 145 @19826 has 749 MA's), (Start: 191 @19883 has 1 MA's), (Start: 220 @19937 has 45 MA's), (233, 19952), (240, 19970), (297, 20054), (303, 20066), (304, 20069), (349, 20144), (361, 20159), (381, 20198), (434, 20315), (470, 20402), (504, 20483), (521, 20531), (528, 20555), (560, 20642), (587, 20687), (617, 20759), (623, 20780), (629, 20798), (675, 20879), (708, 20972), (710, 20981), (717, 21005), (720, 21011), (731, 21035), (779, 21089), (791, 21110), (808, 21161), (815, 21185), (833, 21239), (865, 21335), (905, 21440), (909, 21455), (954, 21563), (959, 21581),

Gene: Easley_20 Start: 17332, Stop: 18912, Start Num: 268

Candidate Starts for Easley_20:

(217, 17215), (Start: 268 @17332 has 52 MA's), (418, 17590), (425, 17611), (443, 17665), (459, 17704), (482, 17761), (489, 17782), (582, 17953), (588, 17971), (601, 17995), (608, 18016), (628, 18058), (671, 18139), (705, 18229), (745, 18331), (748, 18334), (779, 18388), (813, 18478), (913, 18757), (918, 18766), (932, 18796),

Gene: Easy2Say_26 Start: 21080, Stop: 22675, Start Num: 197

Candidate Starts for Easy2Say_26:

(Start: 137 @20996 has 84 MA's), (Start: 197 @21080 has 47 MA's), (Start: 239 @21158 has 1 MA's), (272, 21245), (282, 21260), (301, 21308), (315, 21347), (363, 21434), (380, 21467), (404, 21503), (417, 21533), (418, 21539), (441, 21608), (483, 21638), (487, 21650), (488, 21653), (510, 21710), (587, 21842), (589, 21848), (617, 21914), (620, 21920), (626, 21944), (647, 21992), (659, 22016), (665, 22025), (695, 22100), (761, 22151), (772, 22166), (833, 22328), (841, 22355), (851, 22385), (890, 22490), (938, 22568), (947, 22604), (950, 22613), (959, 22646), (965, 22661),

Gene: Ebert_17 Start: 14758, Stop: 16467, Start Num: 269

Candidate Starts for Ebert_17:

(Start: 269 @14758 has 31 MA's), (324, 14875), (405, 15025), (424, 15064), (429, 15079), (452, 15148), (459, 15160), (489, 15238), (490, 15241), (532, 15373), (547, 15427), (581, 15508), (605, 15568), (608, 15574), (610, 15580), (649, 15661), (671, 15697), (688, 15733), (694, 15751), (707, 15790), (731, 15862), (745, 15886), (841, 16120), (846, 16135), (860, 16177), (893, 16270), (894, 16273), (918, 16321), (932, 16351),

Gene: Ebony_28 Start: 20798, Stop: 22597, Start Num: 145

Candidate Starts for Ebony_28:

(103, 20732), (Start: 128 @20774 has 10 MA's), (Start: 145 @20798 has 749 MA's), (185, 20840), (240, 20936), (246, 20951), (303, 21032), (304, 21035), (349, 21110), (361, 21125), (381, 21164), (385, 21170), (415, 21221), (434, 21281), (436, 21287), (470, 21368), (507, 21452), (551, 21578), (558, 21596), (574, 21623), (629, 21764), (668, 21830), (674, 21842), (675, 21845), (749, 22034), (765, 22061), (773, 22070), (783, 22091), (785, 22094), (795, 22115), (802, 22130), (808, 22154), (832, 22229), (836, 22244), (865, 22328), (905, 22433), (907, 22439), (935, 22493), (966, 22592),

Gene: Echild_28 Start: 20292, Stop: 22064, Start Num: 145

Candidate Starts for Echild_28:

(Start: 128 @20268 has 10 MA's), (Start: 145 @20292 has 749 MA's), (216, 20391), (256, 20475), (303, 20526), (304, 20529), (347, 20601), (349, 20604), (381, 20658), (407, 20697), (434, 20775), (470, 20862), (504, 20943), (507, 20946), (617, 21219), (675, 21339), (717, 21465), (720, 21471), (757, 21519), (795, 21582), (802, 21597), (804, 21603), (821, 21657), (832, 21696), (836, 21711), (865, 21795), (907, 21906),

Gene: Ecliptus_24 Start: 18429, Stop: 20138, Start Num: 145

Candidate Starts for Ecliptus_24:

(Start: 145 @18429 has 749 MA's), (Start: 156 @18441 has 4 MA's), (158, 18444), (Start: 220 @18546 has 45 MA's), (241, 18582), (265, 18648), (361, 18792), (365, 18801), (376, 18819), (403, 18861), (407, 18867), (417, 18891), (423, 18915), (440, 18966), (442, 18972), (451, 19002), (479, 19044), (487, 19065), (489, 19071), (495, 19095), (516, 19146), (517, 19149), (525, 19179), (612, 19329), (623, 19365), (686, 19491), (708, 19557), (710, 19566), (716, 19587), (787, 19680), (796, 19701), (802, 19713), (804, 19719), (806, 19728), (807, 19731), (835, 19785), (845, 19815), (870, 19884), (905, 19971), (907, 19977), (934, 20028), (959, 20115), (966, 20133),

Gene: Edison31_27 Start: 19822, Stop: 21600, Start Num: 145

Candidate Starts for Edison31_27:

(Start: 145 @19822 has 749 MA's), (Start: 191 @19879 has 1 MA's), (199, 19894), (216, 19927), (233, 19948), (297, 20050), (303, 20062), (304, 20065), (349, 20140), (361, 20155), (381, 20194), (434, 20311), (440, 20329), (470, 20398), (501, 20473), (516, 20512), (528, 20551), (560, 20638), (587, 20683), (616, 20752), (623, 20776), (627, 20788), (629, 20794), (675, 20875), (708, 20968), (710, 20977), (717, 21001), (720, 21007), (729, 21022), (757, 21055), (791, 21106), (798, 21124), (810, 21163), (841, 21262), (865, 21331), (877, 21355), (879, 21361), (905, 21436), (907, 21442), (909, 21451), (938, 21502), (959, 21577),

Gene: EdmundFerry_31 Start: 27556, Stop: 29175, Start Num: 192

Candidate Starts for EdmundFerry_31:

(Start: 192 @27556 has 10 MA's), (205, 27577), (237, 27640), (289, 27763), (294, 27775), (310, 27832), (354, 27910), (420, 28033), (489, 28147), (500, 28177), (516, 28219), (537, 28282), (586, 28330), (589, 28339), (612, 28390), (628, 28438), (700, 28603), (755, 28633), (808, 28741), (809, 28744), (824, 28789), (839, 28846), (841, 28852), (843, 28858), (859, 28906), (862, 28915), (865, 28921), (867, 28924), (886, 28975), (909, 29020), (941, 29089), (956, 29137), (959, 29149),

Gene: EdnaMode_17 Start: 14694, Stop: 16403, Start Num: 269

Candidate Starts for EdnaMode_17:

(Start: 269 @14694 has 31 MA's), (324, 14811), (359, 14883), (405, 14961), (452, 15084), (463, 15105), (489, 15174), (490, 15177), (509, 15234), (532, 15309), (547, 15363), (581, 15444), (605, 15504), (688, 15669), (694, 15687), (697, 15702), (707, 15726), (731, 15798), (732, 15801), (745, 15822), (841, 16056), (846, 16071), (860, 16113), (893, 16206), (894, 16209), (918, 16257), (932, 16287), (950, 16344),

Gene: Edtherson_28 Start: 21883, Stop: 23685, Start Num: 148

Candidate Starts for Edtherson_28:

(Start: 148 @21883 has 202 MA's), (Start: 166 @21904 has 28 MA's), (Start: 191 @21946 has 1 MA's), (215, 21991), (349, 22207), (376, 22252), (381, 22261), (407, 22300), (425, 22351), (426, 22354), (463, 22447), (507, 22549), (528, 22618), (616, 22819), (617, 22822), (623, 22843), (674, 22939), (675, 22942), (677, 22948), (701, 23017), (708, 23035), (710, 23044), (720, 23074), (779, 23170), (795, 23203), (802, 23218), (845, 23359), (865, 23416), (907, 23527),

Gene: Efra2_23 Start: 16364, Stop: 18130, Start Num: 145

Candidate Starts for Efra2_23:

(Start: 145 @16364 has 749 MA's), (Start: 150 @16370 has 25 MA's), (Start: 170 @16394 has 1 MA's), (251, 16553), (261, 16586), (276, 16616), (291, 16649), (298, 16661), (338, 16751), (361, 16793), (404, 16865), (409, 16874), (422, 16913), (436, 16958), (443, 16979), (444, 16982), (488, 17054), (504, 17096), (508, 17102), (516, 17129), (586, 17267), (593, 17285), (612, 17327), (619, 17345), (628, 17375), (693, 17507), (750, 17597), (809, 17702), (820, 17732), (845, 17816), (862, 17867), (909, 17966), (950, 18062), (960, 18101), (961, 18104), (971, 18122),

Gene: Eidsmoe_30 Start: 21776, Stop: 23569, Start Num: 143

Candidate Starts for Eidsmoe_30:

(Start: 143 @21776 has 53 MA's), (Start: 145 @21779 has 749 MA's), (303, 22013), (304, 22016), (347, 22088), (349, 22091), (361, 22106), (381, 22145), (385, 22151), (434, 22262), (470, 22349), (504, 22430), (507, 22433), (523, 22493), (582, 22619), (609, 22682), (617, 22706), (620, 22712), (629, 22745), (675, 22826), (717, 22952), (737, 22994), (739, 22997), (779, 23054), (795, 23087), (802, 23102), (832, 23201), (833, 23204), (836, 23216), (865, 23300), (890, 23366), (905, 23405), (907, 23411), (928, 23456), (950, 23513), (951, 23516),

Gene: Ein37_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for Ein37_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: Eish_16 Start: 14946, Stop: 16655, Start Num: 132

Candidate Starts for Eish_16:

(Start: 132 @14946 has 199 MA's), (198, 15033), (Start: 228 @15078 has 2 MA's), (237, 15102), (277, 15207), (282, 15213), (290, 15231), (301, 15261), (349, 15366), (383, 15426), (389, 15435), (404, 15456), (415, 15480), (427, 15522), (438, 15555), (442, 15567), (481, 15606), (486, 15621), (488, 15627), (501, 15663), (509, 15678), (510, 15684), (520, 15714), (523, 15732), (530, 15744), (531, 15750), (586, 15810), (606, 15858), (612, 15870), (644, 15945), (647, 15954), (659, 15978), (671, 16008), (755, 16113), (764, 16125), (785, 16161), (813, 16239), (844, 16338), (851, 16359), (862, 16392), (877, 16422), (886, 16452), (889, 16461), (891, 16467), (905, 16482), (906, 16485), (914, 16506), (916, 16509), (940, 16551), (947, 16581), (959, 16623), (960, 16629),

Gene: Ejimix_37 Start: 28088, Stop: 30086, Start Num: 133

Candidate Starts for Ejimix_37:

(Start: 133 @28088 has 29 MA's), (Start: 197 @28178 has 47 MA's), (223, 28226), (237, 28256), (247, 28283), (291, 28385), (302, 28415), (321, 28466), (345, 28514), (365, 28550), (367, 28556), (380, 28577), (418, 28649), (421, 28658), (427, 28679), (488, 28787), (489, 28790), (493, 28805), (510, 28844), (523, 28892), (530, 28904), (531, 28910), (573, 28958), (579, 28967), (587, 28988), (595, 29006), (615, 29054), (656, 29156), (691, 29228), (706, 29273), (709, 29285), (726, 29420), (727, 29426), (728, 29450), (740, 29522), (754, 29549), (852, 29798),

Gene: Ekdilam_20 Start: 17331, Stop: 19106, Start Num: 138

Candidate Starts for Ekdilam_20:

(Start: 121 @17301 has 1 MA's), (Start: 138 @17331 has 25 MA's), (Start: 145 @17340 has 749 MA's), (Start: 170 @17370 has 1 MA's), (Start: 239 @17496 has 1 MA's), (244, 17511), (251, 17529), (261, 17562), (291, 17625), (298, 17637), (304, 17655), (338, 17727), (361, 17769), (409, 17850), (443, 17955), (444, 17958), (464, 17994), (488, 18030), (504, 18072), (508, 18078), (516, 18105), (593, 18261), (628, 18351), (647, 18378), (669, 18423), (693, 18483), (742, 18558), (754, 18582), (797, 18642), (809, 18678), (820, 18708), (845, 18792), (914, 18951), (960, 19077), (961, 19080), (971, 19098),

Gene: EITiger69_24 Start: 18976, Stop: 20775, Start Num: 145

Candidate Starts for EITiger69_24:

(Start: 145 @18976 has 749 MA's), (304, 19213), (328, 19249), (349, 19288), (361, 19303), (379, 19339), (419, 19411), (423, 19426), (434, 19459), (436, 19465), (516, 19660), (523, 19690), (527, 19696), (560, 19786), (587, 19831), (616, 19900), (629, 19942), (637, 19960), (674, 20020), (675,

20023), (708, 20116), (777, 20257), (795, 20293), (904, 20608), (907, 20617), (959, 20752),

Gene: EleanorGeorge_16 Start: 14974, Stop: 16683, Start Num: 132

Candidate Starts for EleanorGeorge_16:

(Start: 132 @14974 has 199 MA's), (198, 15061), (Start: 228 @15106 has 2 MA's), (237, 15130), (277, 15235), (282, 15241), (290, 15259), (301, 15289), (349, 15394), (383, 15454), (398, 15475), (404, 15484), (411, 15502), (415, 15508), (481, 15634), (486, 15649), (488, 15655), (501, 15691), (503, 15694), (509, 15706), (510, 15712), (523, 15760), (530, 15772), (531, 15778), (586, 15838), (590, 15850), (606, 15886), (612, 15898), (644, 15973), (647, 15982), (656, 16000), (659, 16006), (671, 16036), (755, 16141), (761, 16150), (764, 16153), (785, 16189), (813, 16267), (844, 16366), (851, 16387), (862, 16420), (877, 16450), (886, 16480), (889, 16489), (891, 16495), (905, 16510), (906, 16513), (916, 16537), (935, 16567), (940, 16579), (947, 16609), (959, 16651),

Gene: Elephantoon_29 Start: 21187, Stop: 22977, Start Num: 145

Candidate Starts for Elephantoon_29:

(Start: 128 @21163 has 10 MA's), (Start: 145 @21187 has 749 MA's), (303, 21421), (304, 21424), (347, 21496), (349, 21499), (363, 21517), (381, 21553), (385, 21559), (407, 21592), (415, 21610), (434, 21670), (445, 21703), (470, 21757), (504, 21838), (507, 21841), (551, 21967), (582, 22027), (609, 22090), (627, 22147), (675, 22234), (717, 22360), (723, 22378), (737, 22402), (779, 22462), (795, 22495), (802, 22510), (832, 22609), (833, 22612), (836, 22624), (865, 22708), (890, 22774), (905, 22813), (907, 22819), (928, 22864), (950, 22921), (951, 22924),

Gene: Elinal_19 Start: 15418, Stop: 17112, Start Num: 145

Candidate Starts for Elinal_19:

(Start: 135 @15415 has 8 MA's), (Start: 145 @15418 has 749 MA's), (213, 15517), (Start: 239 @15559 has 1 MA's), (379, 15799), (423, 15886), (430, 15907), (433, 15916), (442, 15943), (463, 15988), (481, 16021), (486, 16036), (493, 16060), (506, 16093), (516, 16126), (520, 16138), (539, 16195), (565, 16225), (582, 16243), (592, 16273), (606, 16303), (628, 16366), (654, 16417), (675, 16453), (680, 16468), (689, 16486), (708, 16543), (710, 16552), (796, 16672), (802, 16684), (828, 16732), (844, 16783), (845, 16786), (851, 16804), (881, 16882), (890, 16909), (907, 16951), (961, 17098), (965, 17104),

Gene: Elliott_18 Start: 15729, Stop: 17429, Start Num: 135

Candidate Starts for Elliott_18:

(Start: 135 @15729 has 8 MA's), (Start: 145 @15732 has 749 MA's), (263, 15942), (349, 16065), (379, 16116), (423, 16203), (426, 16212), (433, 16233), (438, 16248), (442, 16260), (481, 16338), (485, 16350), (493, 16377), (506, 16410), (516, 16443), (520, 16455), (535, 16497), (606, 16620), (632, 16692), (675, 16770), (680, 16785), (689, 16803), (708, 16860), (779, 16953), (796, 16989), (802, 17001), (804, 17007), (807, 17019), (818, 17028), (844, 17100), (845, 17103), (847, 17109), (851, 17121), (875, 17181), (890, 17226), (893, 17235), (907, 17268), (940, 17334),

Gene: Elite2014_23 Start: 18953, Stop: 20632, Start Num: 137

Candidate Starts for Elite2014_23:

(Start: 137 @18953 has 84 MA's), (Start: 197 @19037 has 47 MA's), (Start: 239 @19115 has 1 MA's), (272, 19202), (282, 19217), (301, 19265), (315, 19304), (363, 19391), (380, 19424), (404, 19460), (417, 19490), (418, 19496), (441, 19565), (483, 19595), (487, 19607), (488, 19610), (510, 19667), (587, 19799), (589, 19805), (617, 19871), (620, 19877), (626, 19901), (647, 19949), (659, 19973), (665, 19982), (695, 20057), (761, 20108), (772, 20123), (833, 20285), (841, 20312), (851, 20342), (890, 20447), (938, 20525), (947, 20561), (950, 20570), (959, 20603), (965, 20618),

Gene: Ellie_20 Start: 17336, Stop: 19090, Start Num: 145

Candidate Starts for Ellie_20:

(Start: 121 @17297 has 1 MA's), (Start: 138 @17327 has 25 MA's), (Start: 143 @17333 has 53 MA's), (Start: 145 @17336 has 749 MA's), (Start: 166 @17348 has 28 MA's), (Start: 170 @17354 has 1 MA's), (Start: 239 @17480 has 1 MA's), (244, 17495), (261, 17546), (276, 17576), (291, 17609), (338, 17711), (357, 17747), (361, 17753), (409, 17834), (464, 17978), (465, 17981), (482, 17996), (486, 18008), (488, 18014), (493, 18032), (504, 18056), (508, 18062), (516, 18089), (593, 18245), (647, 18362), (666, 18395), (669, 18407), (675, 18419), (693, 18467), (808, 18659), (820, 18692), (823, 18701), (841, 18764), (845, 18776), (862, 18827), (865, 18833), (909, 18926), (938, 18977), (950, 19022), (960, 19061), (961, 19064), (971, 19082),

Gene: Ellson_19 Start: 17381, Stop: 19144, Start Num: 130

Candidate Starts for Ellson_19:

(Start: 130 @17381 has 38 MA's), (155, 17408), (194, 17471), (Start: 220 @17519 has 45 MA's), (225, 17525), (248, 17561), (276, 17636), (329, 17723), (397, 17837), (405, 17849), (443, 17960), (507, 18104), (510, 18116), (516, 18134), (521, 18149), (616, 18338), (638, 18401), (661, 18443), (669, 18452), (675, 18464), (701, 18539), (729, 18608), (732, 18620), (787, 18668), (824, 18734), (847, 18812), (862, 18857), (882, 18902), (886, 18914), (912, 18977), (930, 19013), (936, 19028), (944, 19058), (946, 19064), (950, 19076), (952, 19085), (956, 19097),

Gene: Elph10_25 Start: 19216, Stop: 20895, Start Num: 137

Candidate Starts for Elph10_25:

(Start: 137 @19216 has 84 MA's), (Start: 197 @19300 has 47 MA's), (Start: 239 @19378 has 1 MA's), (272, 19465), (282, 19480), (301, 19528), (315, 19567), (363, 19654), (380, 19687), (404, 19723), (417, 19753), (418, 19759), (441, 19828), (483, 19858), (487, 19870), (488, 19873), (510, 19930), (587, 20062), (589, 20068), (617, 20134), (620, 20140), (626, 20164), (647, 20212), (659, 20236), (665, 20245), (695, 20320), (761, 20371), (772, 20386), (833, 20548), (841, 20575), (851, 20605), (890, 20710), (938, 20788), (947, 20824), (950, 20833), (959, 20866), (965, 20881),

Gene: Emalyn_17 Start: 15033, Stop: 16727, Start Num: 145

Candidate Starts for Emalyn_17:

(Start: 135 @15030 has 8 MA's), (Start: 145 @15033 has 749 MA's), (213, 15132), (Start: 220 @15144 has 45 MA's), (263, 15240), (328, 15324), (379, 15414), (415, 15474), (442, 15558), (463, 15603), (481, 15636), (485, 15648), (492, 15672), (516, 15741), (520, 15753), (606, 15918), (632, 15990), (675, 16068), (680, 16083), (689, 16101), (708, 16158), (802, 16299), (804, 16305), (807, 16317), (818, 16326), (844, 16398), (845, 16401), (847, 16407), (851, 16419), (890, 16524), (893, 16533), (907, 16566), (965, 16719),

Gene: Emerson_23 Start: 17148, Stop: 18914, Start Num: 145

Candidate Starts for Emerson_23:

(Start: 145 @17148 has 749 MA's), (Start: 170 @17178 has 1 MA's), (251, 17337), (261, 17370), (276, 17400), (291, 17433), (298, 17445), (338, 17535), (361, 17577), (404, 17649), (409, 17658), (422, 17697), (436, 17742), (443, 17763), (444, 17766), (482, 17820), (488, 17838), (504, 17880), (508, 17886), (516, 17913), (586, 18051), (593, 18069), (612, 18111), (619, 18129), (628, 18159), (647, 18186), (693, 18291), (797, 18450), (809, 18486), (820, 18516), (823, 18525), (845, 18600), (862, 18651), (950, 18846), (960, 18885), (961, 18888), (971, 18906),

Gene: Emianna_41 Start: 30825, Stop: 32438, Start Num: 260

Candidate Starts for Emianna_41:

(Start: 260 @30825 has 35 MA's), (Start: 288 @30861 has 1 MA's), (295, 30879), (322, 30939), (443, 31179), (447, 31191), (452, 31206), (484, 31272), (489, 31287), (497, 31311), (498, 31314), (527, 31398), (538, 31428), (539, 31431), (572, 31488), (592, 31536), (594, 31539), (604, 31560), (643, 31665), (671, 31710), (688, 31752), (756, 31926), (774, 31956), (780, 31962), (826, 32070), (827, 32073), (851, 32148), (947, 32367), (964, 32424),

Gene: Emma_16 Start: 14857, Stop: 16566, Start Num: 132

Candidate Starts for Emma_16:

(Start: 132 @14857 has 199 MA's), (198, 14944), (Start: 228 @14989 has 2 MA's), (237, 15013), (277, 15118), (282, 15124), (290, 15142), (301, 15172), (349, 15277), (383, 15337), (398, 15358), (404, 15367), (415, 15391), (481, 15517), (486, 15532), (488, 15538), (501, 15574), (503, 15577), (509, 15589), (510, 15595), (523, 15643), (530, 15655), (531, 15661), (586, 15721), (590, 15733), (606, 15769), (612, 15781), (644, 15856), (647, 15865), (656, 15883), (659, 15889), (671, 15919), (755, 16024), (761, 16033), (764, 16036), (785, 16072), (813, 16150), (844, 16249), (851, 16270), (862, 16303), (877, 16333), (886, 16363), (889, 16372), (891, 16378), (905, 16393), (906, 16396), (916, 16420), (935, 16450), (940, 16462), (947, 16492), (959, 16534),

Gene: Emmina_25 Start: 19661, Stop: 21256, Start Num: 197

Candidate Starts for Emmina_25:

(Start: 137 @19577 has 84 MA's), (Start: 197 @19661 has 47 MA's), (Start: 239 @19739 has 1 MA's), (272, 19826), (282, 19841), (301, 19889), (315, 19928), (363, 20015), (380, 20048), (404, 20084), (417, 20114), (418, 20120), (441, 20189), (483, 20219), (487, 20231), (488, 20234), (510, 20291), (587, 20423), (589, 20429), (617, 20495), (620, 20501), (626, 20525), (647, 20573), (659, 20597), (665, 20606), (695, 20681), (761, 20732), (772, 20747), (833, 20909), (841, 20936), (851, 20966), (890, 21071), (938, 21149), (947, 21185), (950, 21194), (959, 21227), (965, 21242),

Gene: Empress_17 Start: 16157, Stop: 17866, Start Num: 132

Candidate Starts for Empress_17:

(Start: 132 @16157 has 199 MA's), (198, 16244), (Start: 228 @16289 has 2 MA's), (237, 16313), (277, 16418), (282, 16424), (290, 16442), (301, 16472), (349, 16577), (383, 16637), (398, 16658), (404, 16667), (415, 16691), (481, 16817), (486, 16832), (488, 16838), (501, 16874), (503, 16877), (509, 16889), (510, 16895), (523, 16943), (530, 16955), (531, 16961), (586, 17021), (590, 17033), (606, 17069), (612, 17081), (644, 17156), (647, 17165), (656, 17183), (659, 17189), (671, 17219), (755, 17324), (761, 17333), (764, 17336), (785, 17372), (813, 17450), (844, 17549), (851, 17570), (862, 17603), (877, 17633), (886, 17663), (889, 17672), (891, 17678), (905, 17693), (906, 17696), (914, 17717), (916, 17720), (940, 17762), (947, 17792), (959, 17834),

Gene: EmyBug_30 Start: 21779, Stop: 23569, Start Num: 145

Candidate Starts for EmyBug_30:

(Start: 143 @21776 has 53 MA's), (Start: 145 @21779 has 749 MA's), (303, 22013), (304, 22016), (347, 22088), (349, 22091), (361, 22106), (381, 22145), (385, 22151), (434, 22262), (470, 22349), (504, 22430), (507, 22433), (523, 22493), (582, 22619), (609, 22682), (617, 22706), (620, 22712), (629, 22745), (675, 22826), (717, 22952), (737, 22994), (739, 22997), (779, 23054), (795, 23087), (802, 23102), (832, 23201), (833, 23204), (836, 23216), (865, 23300), (890, 23366), (905, 23405), (907, 23411), (928, 23456), (950, 23513), (951, 23516),

Gene: EnalisNailo_20 Start: 17715, Stop: 19421, Start Num: 145

Candidate Starts for EnalisNailo_20:

(Start: 129 @17691 has 45 MA's), (Start: 145 @17715 has 749 MA's), (186, 17763), (216, 17820), (242, 17862), (349, 18051), (423, 18198), (425, 18204), (440, 18249), (500, 18387), (525, 18462), (674, 18744), (681, 18765), (708, 18840), (759, 18927), (787, 18963), (802, 18996), (804, 19002), (835, 19068), (845, 19098), (905, 19254), (907, 19260), (912, 19278), (957, 19389),

Gene: Enby_17 Start: 14628, Stop: 16337, Start Num: 132

Candidate Starts for Enby_17:

(Start: 132 @14628 has 199 MA's), (198, 14715), (Start: 228 @14760 has 2 MA's), (237, 14784), (256, 14841), (277, 14889), (282, 14895), (290, 14913), (301, 14943), (349, 15048), (379, 15102), (383, 15108), (389, 15117), (398, 15129), (404, 15138), (415, 15162), (425, 15198), (427, 15204), (431, 15216), (438, 15237), (439, 15240), (442, 15249), (459, 15264), (467, 15270), (481, 15288), (486,

15303), (488, 15309), (493, 15327), (494, 15330), (501, 15345), (509, 15360), (510, 15366), (520, 15396), (523, 15414), (530, 15426), (531, 15432), (586, 15492), (590, 15504), (606, 15540), (612, 15552), (620, 15573), (644, 15627), (647, 15636), (659, 15660), (671, 15690), (755, 15795), (764, 15807), (785, 15843), (803, 15882), (813, 15921), (844, 16020), (851, 16041), (862, 16074), (877, 16104), (886, 16134), (889, 16143), (891, 16149), (905, 16164), (906, 16167), (914, 16188), (916, 16191), (940, 16233), (947, 16263), (959, 16305), (960, 16311),

Gene: Enceladus_18 Start: 16740, Stop: 18509, Start Num: 130

Candidate Starts for Enceladus_18:

(Start: 98 @16677 has 1 MA's), (106, 16698), (Start: 114 @16713 has 2 MA's), (Start: 130 @16740 has 38 MA's), (194, 16833), (Start: 220 @16881 has 45 MA's), (225, 16887), (245, 16914), (248, 16923), (274, 16995), (281, 17004), (301, 17028), (306, 17043), (323, 17073), (397, 17199), (403, 17208), (413, 17229), (418, 17244), (440, 17313), (451, 17349), (467, 17370), (494, 17439), (510, 17478), (583, 17616), (587, 17628), (616, 17703), (619, 17709), (623, 17727), (638, 17766), (657, 17799), (661, 17808), (669, 17817), (674, 17826), (716, 17949), (732, 17985), (787, 18033), (794, 18045), (824, 18099), (854, 18195), (859, 18213), (861, 18219), (862, 18222), (879, 18255), (886, 18279), (912, 18342), (932, 18384), (944, 18423), (950, 18441), (956, 18462), (961, 18483),

Gene: Engineer_49 Start: 29557, Stop: 31248, Start Num: 154

Candidate Starts for Engineer_49:

(Start: 154 @29557 has 21 MA's), (Start: 193 @29617 has 1 MA's), (208, 29650), (Start: 228 @29680 has 2 MA's), (229, 29683), (291, 29842), (295, 29851), (351, 29980), (378, 30028), (510, 30241), (511, 30247), (520, 30271), (600, 30400), (606, 30421), (620, 30454), (695, 30652), (810, 30805), (841, 30904), (845, 30916), (848, 30925), (880, 31009), (948, 31156), (958, 31192),

Gene: EniyanLRS_37 Start: 25002, Stop: 27386, Start Num: 18

Candidate Starts for EniyanLRS_37:

(Start: 18 @25002 has 5 MA's), (28, 25119), (34, 25140), (35, 25143), (37, 25173), (39, 25179), (40, 25188), (55, 25278), (59, 25314), (60, 25332), (63, 25359), (65, 25371), (66, 25380), (76, 25443), (83, 25479), (93, 25515), (94, 25518), (97, 25524), (Start: 134 @25596 has 40 MA's), (163, 25626), (204, 25695), (205, 25698), (245, 25785), (252, 25803), (253, 25806), (274, 25866), (303, 25905), (326, 25947), (329, 25956), (331, 25962), (343, 25977), (350, 25992), (376, 26040), (423, 26136), (437, 26178), (438, 26181), (510, 26358), (516, 26376), (521, 26391), (523, 26406), (533, 26427), (543, 26460), (552, 26469), (582, 26499), (598, 26538), (612, 26580), (616, 26592), (617, 26595), (638, 26655), (674, 26715), (691, 26760), (703, 26796), (729, 26862), (783, 26916), (787, 26922), (824, 26988), (882, 27159), (892, 27183), (944, 27303), (951, 27324), (953, 27333), (965, 27369),

Gene: Enkosi_19 Start: 16697, Stop: 18463, Start Num: 145

Candidate Starts for Enkosi_19:

(Start: 145 @16697 has 749 MA's), (Start: 150 @16703 has 25 MA's), (Start: 170 @16727 has 1 MA's), (Start: 239 @16853 has 1 MA's), (244, 16868), (251, 16886), (276, 16949), (338, 17084), (341, 17090), (404, 17198), (409, 17207), (443, 17312), (486, 17381), (488, 17387), (501, 17423), (508, 17435), (527, 17498), (586, 17600), (593, 17618), (612, 17660), (613, 17663), (666, 17768), (693, 17840), (758, 17948), (763, 17954), (797, 17999), (814, 18053), (823, 18074), (845, 18149), (862, 18200), (909, 18299), (917, 18314), (938, 18350), (950, 18395), (960, 18434), (961, 18437), (971, 18455),

Gene: Ennea_47 Start: 31470, Stop: 33092, Start Num: 260

Candidate Starts for Ennea_47:

(Start: 260 @31470 has 35 MA's), (322, 31587), (443, 31827), (447, 31839), (452, 31854), (484, 31920), (489, 31935), (527, 32046), (538, 32076), (539, 32079), (572, 32136), (604, 32208), (643, 32313), (688, 32400), (704, 32448), (756, 32574), (757, 32577), (780, 32610), (810, 32667), (851, 32796), (865, 32835), (920, 32940), (943, 33003), (947, 33015), (951, 33027), (953, 33036), (964,

33072),

Gene: EpicPhail_29 Start: 20379, Stop: 22175, Start Num: 145

Candidate Starts for EpicPhail_29:

(Start: 145 @20379 has 749 MA's), (Start: 191 @20436 has 1 MA's), (199, 20451), (216, 20484), (233, 20505), (Start: 239 @20520 has 1 MA's), (297, 20607), (303, 20619), (304, 20622), (349, 20697), (361, 20712), (379, 20748), (470, 20955), (516, 21069), (528, 21108), (560, 21195), (616, 21309), (623, 21333), (629, 21351), (675, 21432), (701, 21507), (708, 21525), (717, 21558), (720, 21564), (739, 21603), (777, 21657), (779, 21660), (791, 21681), (810, 21738), (865, 21906), (905, 22011), (907, 22017), (959, 22152),

Gene: Eponine_24 Start: 18523, Stop: 20310, Start Num: 145

Candidate Starts for Eponine_24:

(Start: 121 @18484 has 1 MA's), (Start: 138 @18514 has 25 MA's), (Start: 143 @18520 has 53 MA's), (Start: 145 @18523 has 749 MA's), (Start: 168 @18538 has 2 MA's), (Start: 193 @18580 has 1 MA's), (222, 18628), (Start: 239 @18667 has 1 MA's), (244, 18682), (251, 18700), (261, 18733), (276, 18763), (298, 18808), (304, 18826), (338, 18898), (341, 18904), (357, 18934), (359, 18937), (395, 19000), (404, 19012), (456, 19147), (464, 19165), (486, 19195), (488, 19201), (493, 19219), (508, 19249), (520, 19288), (586, 19414), (613, 19477), (693, 19678), (710, 19732), (754, 19777), (781, 19822), (797, 19846), (808, 19879), (820, 19912), (841, 19984), (845, 19996), (862, 20047), (865, 20053), (914, 20155), (960, 20281), (971, 20302),

Gene: Epsocamisio_30 Start: 19093, Stop: 20880, Start Num: 145

Candidate Starts for Epsocamisio_30:

(103, 19027), (Start: 128 @19069 has 10 MA's), (Start: 145 @19093 has 749 MA's), (240, 19231), (259, 19288), (304, 19330), (328, 19366), (349, 19405), (391, 19474), (407, 19498), (426, 19552), (488, 19702), (507, 19747), (516, 19777), (527, 19813), (543, 19864), (559, 19900), (587, 19948), (613, 20008), (674, 20137), (701, 20215), (802, 20416), (804, 20422), (833, 20518), (892, 20683), (938, 20782),

Gene: Equemioh13_30 Start: 20656, Stop: 22428, Start Num: 145

Candidate Starts for Equemioh13_30:

(Start: 128 @20632 has 10 MA's), (Start: 145 @20656 has 749 MA's), (Start: 239 @20791 has 1 MA's), (303, 20890), (304, 20893), (347, 20965), (349, 20968), (381, 21022), (385, 21028), (419, 21091), (434, 21139), (445, 21172), (470, 21226), (504, 21307), (507, 21310), (516, 21340), (582, 21496), (617, 21583), (675, 21703), (716, 21826), (717, 21829), (720, 21835), (757, 21883), (795, 21946), (802, 21961), (804, 21967), (821, 22021), (832, 22060), (836, 22075), (847, 22108), (862, 22153), (905, 22264), (907, 22270), (935, 22324),

Gene: Eradicator_16 Start: 14770, Stop: 16479, Start Num: 132

Candidate Starts for Eradicator_16:

(Start: 132 @14770 has 199 MA's), (198, 14857), (Start: 228 @14902 has 2 MA's), (237, 14926), (256, 14983), (277, 15031), (282, 15037), (290, 15055), (301, 15085), (349, 15190), (379, 15244), (383, 15250), (389, 15259), (404, 15280), (415, 15304), (425, 15340), (427, 15346), (438, 15379), (439, 15382), (442, 15391), (459, 15406), (467, 15412), (481, 15430), (486, 15445), (488, 15451), (493, 15469), (494, 15472), (501, 15487), (509, 15502), (510, 15508), (523, 15556), (530, 15568), (531, 15574), (586, 15634), (590, 15646), (606, 15682), (612, 15694), (644, 15769), (647, 15778), (656, 15796), (659, 15802), (671, 15832), (755, 15937), (764, 15949), (785, 15985), (813, 16063), (851, 16183), (862, 16216), (877, 16246), (880, 16258), (886, 16276), (888, 16282), (889, 16285), (891, 16291), (905, 16306), (906, 16309), (914, 16330), (916, 16333), (940, 16375), (947, 16405), (959, 16447), (960, 16453),

Gene: EricB_31 Start: 19969, Stop: 21741, Start Num: 145

Candidate Starts for EricB_31:

(103, 19903), (Start: 128 @19945 has 10 MA's), (Start: 145 @19969 has 749 MA's), (261, 20167), (304, 20206), (347, 20278), (349, 20281), (363, 20299), (381, 20335), (385, 20341), (434, 20452), (436, 20458), (448, 20497), (470, 20539), (488, 20578), (504, 20620), (507, 20623), (523, 20683), (624, 20920), (629, 20935), (675, 21016), (720, 21148), (802, 21274), (817, 21325), (821, 21334), (832, 21373), (833, 21376), (836, 21388), (865, 21472), (905, 21577), (907, 21583), (959, 21718),

Gene: Erik_23 Start: 16348, Stop: 17973, Start Num: 173

Candidate Starts for Erik_23:

(Start: 173 @16348 has 32 MA's), (210, 16417), (236, 16453), (261, 16525), (349, 16639), (421, 16768), (434, 16810), (440, 16828), (443, 16837), (450, 16861), (463, 16879), (478, 16903), (481, 16909), (486, 16924), (487, 16927), (507, 16975), (609, 17176), (617, 17200), (674, 17314), (701, 17392), (713, 17431), (717, 17443), (757, 17473), (802, 17551), (860, 17698), (900, 17797), (905, 17812), (965, 17965),

Gene: Eris_26 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Eris_26:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Eros_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Eros_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Espica_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for Espica_23:

(Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (261, 16526), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (478, 16904), (481, 16910), (486, 16925), (487, 16928), (507, 16976), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: Espresso_27 Start: 21202, Stop: 23004, Start Num: 148

Candidate Starts for Espresso_27:

(Start: 148 @21202 has 202 MA's), (Start: 166 @21223 has 28 MA's), (Start: 191 @21265 has 1 MA's), (215, 21310), (349, 21526), (376, 21571), (381, 21580), (407, 21619), (425, 21670), (426, 21673), (507, 21868), (528, 21937), (616, 22138), (617, 22141), (623, 22162), (674, 22258), (675, 22261), (677, 22267), (701, 22336), (708, 22354), (710, 22363), (720, 22393), (779, 22489), (795, 22522), (802, 22537), (845, 22678), (865, 22735), (907, 22846),

Gene: Estave1_16 Start: 14924, Stop: 16633, Start Num: 132

Candidate Starts for Estave1_16:

(Start: 132 @14924 has 199 MA's), (198, 15011), (Start: 228 @15056 has 2 MA's), (237, 15080), (256, 15137), (277, 15185), (282, 15191), (290, 15209), (294, 15218), (301, 15239), (349, 15344), (379, 15398), (383, 15404), (389, 15413), (404, 15434), (415, 15458), (425, 15494), (427, 15500), (431, 15512), (438, 15533), (467, 15566), (481, 15584), (486, 15599), (488, 15605), (494, 15626), (501, 15641), (509, 15656), (510, 15662), (512, 15671), (523, 15710), (530, 15722), (531, 15728), (586, 15788), (606, 15836), (612, 15848), (620, 15869), (644, 15923), (647, 15932), (659, 15956), (755, 16091), (764, 16103), (785, 16139), (813, 16217), (844, 16316), (851, 16337), (862, 16370), (877, 16400), (886, 16430), (889, 16439), (891, 16445), (905, 16460), (906, 16463), (914, 16484), (916, 16487), (940, 16529), (959, 16601),

Gene: Estes_33 Start: 23088, Stop: 24827, Start Num: 147

Candidate Starts for Estes_33:

(Start: 115 @23046 has 3 MA's), (Start: 124 @23061 has 2 MA's), (Start: 147 @23088 has 14 MA's), (202, 23166), (205, 23172), (215, 23190), (303, 23352), (306, 23361), (315, 23376), (366, 23463), (372, 23475), (376, 23484), (403, 23526), (423, 23580), (427, 23592), (437, 23622), (438, 23625), (448, 23658), (504, 23787), (510, 23802), (516, 23820), (609, 24012), (612, 24021), (616, 24033), (619, 24039), (661, 24138), (669, 24147), (674, 24156), (686, 24186), (698, 24225), (729, 24303), (757, 24318), (783, 24357), (787, 24363), (936, 24717), (944, 24744), (946, 24750), (959, 24795),

Gene: Et2Brutus_27 Start: 20758, Stop: 22557, Start Num: 145

Candidate Starts for Et2Brutus_27:

(103, 20692), (Start: 128 @20734 has 10 MA's), (Start: 145 @20758 has 749 MA's), (185, 20800), (240, 20896), (246, 20911), (303, 20992), (304, 20995), (349, 21070), (361, 21085), (381, 21124), (385, 21130), (415, 21181), (434, 21241), (436, 21247), (470, 21328), (507, 21412), (551, 21538), (558, 21556), (574, 21583), (629, 21724), (668, 21790), (674, 21802), (675, 21805), (749, 21994), (765, 22021), (773, 22030), (783, 22051), (785, 22054), (795, 22075), (802, 22090), (808, 22114), (832, 22189), (836, 22204), (865, 22288), (905, 22393), (907, 22399), (935, 22453), (966, 22552),

Gene: Eudoria_19 Start: 17773, Stop: 19371, Start Num: 268

Candidate Starts for Eudoria_19:

(Start: 268 @17773 has 52 MA's), (414, 18022), (418, 18031), (424, 18049), (425, 18052), (443, 18106), (472, 18181), (496, 18250), (499, 18259), (505, 18271), (521, 18322), (529, 18349), (532, 18358), (534, 18361), (581, 18391), (582, 18394), (605, 18451), (628, 18517), (670, 18595), (683, 18628), (694, 18652), (705, 18688), (745, 18790), (779, 18847), (800, 18892), (803, 18898), (813, 18937), (894, 19177), (932, 19255),

Gene: Euphoria_27 Start: 21090, Stop: 22892, Start Num: 148

Candidate Starts for Euphoria_27:

(Start: 148 @21090 has 202 MA's), (Start: 166 @21111 has 28 MA's), (Start: 191 @21153 has 1 MA's), (215, 21198), (349, 21414), (376, 21459), (381, 21468), (425, 21558), (426, 21561), (507, 21756), (528, 21825), (616, 22026), (617, 22029), (623, 22050), (674, 22146), (675, 22149), (677, 22155), (701, 22224), (708, 22242), (710, 22251), (720, 22281), (779, 22377), (795, 22410), (802, 22425), (845, 22566), (865, 22623), (907, 22734), (966, 22887),

Gene: Eureka_24 Start: 19731, Stop: 21410, Start Num: 137

Candidate Starts for Eureka_24:

(Start: 137 @19731 has 84 MA's), (Start: 197 @19815 has 47 MA's), (Start: 239 @19893 has 1 MA's), (272, 19980), (282, 19995), (301, 20043), (315, 20082), (363, 20169), (380, 20202), (404, 20238), (417, 20268), (418, 20274), (441, 20343), (483, 20373), (487, 20385), (488, 20388), (510, 20445), (587, 20577), (589, 20583), (617, 20649), (620, 20655), (626, 20679), (647, 20727), (659, 20751), (665, 20760), (695, 20835), (761, 20886), (772, 20901), (833, 21063), (841, 21090), (851, 21120), (890, 21225), (938, 21303), (947, 21339), (950, 21348), (959, 21381), (965, 21396),

Gene: Eurydice_27 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for Eurydice_27:

(79, 19674), (91, 19719), (Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: Evamon_31 Start: 25861, Stop: 27627, Start Num: 107

Candidate Starts for Evamon_31:

(90, 25819), (Start: 107 @25861 has 72 MA's), (Start: 126 @25897 has 1 MA's), (Start: 150 @25930 has 25 MA's), (244, 26086), (263, 26140), (265, 26143), (303, 26173), (333, 26239), (349, 26263), (356, 26272), (375, 26305), (443, 26458), (463, 26497), (487, 26548), (491, 26560), (495, 26578), (501, 26590), (506, 26602), (510, 26617), (520, 26647), (521, 26650), (527, 26671), (583, 26743), (602, 26791), (649, 26902), (669, 26935), (686, 26974), (687, 26977), (710, 27049), (753, 27115), (759, 27127), (845, 27298), (846, 27301), (862, 27349), (875, 27376), (884, 27403), (905, 27457), (951, 27574), (957, 27595), (966, 27622),

Gene: Evanesce_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for Evanesce_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: Eviarto_19 Start: 17764, Stop: 19362, Start Num: 268

Candidate Starts for Eviarto_19:

(Start: 268 @17764 has 52 MA's), (418, 18022), (424, 18040), (425, 18043), (443, 18097), (472, 18172), (496, 18241), (499, 18250), (505, 18262), (521, 18313), (529, 18340), (532, 18349), (534, 18352), (582, 18385), (605, 18442), (628, 18508), (683, 18619), (694, 18643), (705, 18679), (745, 18781), (779, 18838), (813, 18928), (894, 19168), (932, 19246),

Gene: EvilGenius_30 Start: 20609, Stop: 22381, Start Num: 145

Candidate Starts for EvilGenius_30:

(Start: 128 @20585 has 10 MA's), (Start: 145 @20609 has 749 MA's), (216, 20708), (256, 20792), (303, 20843), (304, 20846), (347, 20918), (349, 20921), (381, 20975), (407, 21014), (434, 21092), (470, 21179), (504, 21260), (507, 21263), (582, 21449), (617, 21536), (668, 21641), (675, 21656), (717, 21782), (720, 21788), (757, 21836), (765, 21845), (779, 21866), (795, 21899), (802, 21914), (804, 21920), (821, 21974), (832, 22013), (836, 22028), (865, 22112), (907, 22223),

Gene: Ewald_22 Start: 18458, Stop: 20104, Start Num: 183

Candidate Starts for Ewald_22:

(81, 18257), (99, 18317), (Start: 153 @18410 has 1 MA's), (Start: 176 @18446 has 2 MA's), (Start: 183 @18458 has 3 MA's), (Start: 193 @18470 has 1 MA's), (244, 18572), (246, 18578), (263, 18626), (280, 18656), (306, 18722), (308, 18728), (361, 18839), (365, 18848), (380, 18875), (386, 18884), (400, 18905), (486, 19076), (487, 19079), (511, 19145), (517, 19160), (535, 19211), (575, 19244), (580, 19253), (600, 19295), (606, 19316), (623, 19364), (627, 19376), (638, 19403), (675, 19472),

(699, 19541), (710, 19574), (760, 19631), (797, 19646), (809, 19682), (831, 19751), (859, 19838), (865, 19853), (887, 19910), (890, 19919), (914, 19958), (936, 19997), (939, 20003),

Gene: Expelliarmus_23 Start: 18620, Stop: 20410, Start Num: 145

Candidate Starts for Expelliarmus_23:

(Start: 128 @18596 has 10 MA's), (Start: 145 @18620 has 749 MA's), (213, 18713), (240, 18758), (304, 18857), (328, 18893), (349, 18932), (361, 18947), (379, 18983), (434, 19103), (436, 19109), (488, 19229), (535, 19358), (560, 19430), (616, 19544), (708, 19760), (717, 19793), (779, 19895), (795, 19928), (802, 19943), (810, 19973), (904, 20243), (907, 20252), (909, 20261), (956, 20375),

Gene: ExplosioNervosa_30 Start: 21782, Stop: 23572, Start Num: 145

Candidate Starts for ExplosioNervosa_30:

(Start: 143 @21779 has 53 MA's), (Start: 145 @21782 has 749 MA's), (303, 22016), (304, 22019), (347, 22091), (349, 22094), (361, 22109), (381, 22148), (385, 22154), (434, 22265), (470, 22352), (504, 22433), (507, 22436), (582, 22622), (609, 22685), (617, 22709), (620, 22715), (629, 22748), (675, 22829), (717, 22955), (737, 22997), (779, 23057), (795, 23090), (802, 23105), (832, 23204), (833, 23207), (836, 23219), (865, 23303), (890, 23369), (905, 23408), (907, 23414), (928, 23459), (950, 23516), (951, 23519),

Gene: Eyeball_27 Start: 20895, Stop: 22697, Start Num: 148

Candidate Starts for Eyeball_27:

(Start: 148 @20895 has 202 MA's), (Start: 166 @20916 has 28 MA's), (Start: 191 @20958 has 1 MA's), (215, 21003), (349, 21219), (376, 21264), (381, 21273), (407, 21312), (425, 21363), (426, 21366), (507, 21561), (528, 21630), (616, 21831), (617, 21834), (623, 21855), (674, 21951), (675, 21954), (677, 21960), (701, 22029), (708, 22047), (710, 22056), (720, 22086), (779, 22182), (795, 22215), (802, 22230), (845, 22371), (865, 22428), (907, 22539),

Gene: Eyes_19 Start: 16632, Stop: 18362, Start Num: 140

Candidate Starts for Eyes_19:

(33, 16176), (53, 16299), (57, 16320), (84, 16515), (Start: 121 @16599 has 1 MA's), (Start: 126 @16611 has 1 MA's), (Start: 140 @16632 has 5 MA's), (296, 16869), (310, 16902), (360, 16986), (448, 17187), (469, 17229), (487, 17265), (495, 17295), (506, 17319), (519, 17361), (527, 17388), (563, 17445), (574, 17451), (612, 17538), (741, 17832), (785, 17898), (796, 17922), (804, 17940), (845, 18036), (851, 18054), (909, 18210), (910, 18213), (915, 18225), (948, 18300), (956, 18327),

Gene: Eyre_17 Start: 15369, Stop: 17078, Start Num: 269

Candidate Starts for Eyre_17:

(Start: 269 @15369 has 31 MA's), (324, 15486), (405, 15636), (443, 15732), (452, 15759), (490, 15852), (493, 15864), (547, 16038), (594, 16155), (605, 16179), (688, 16344), (707, 16401), (719, 16440), (745, 16497), (748, 16500), (798, 16593), (808, 16626), (893, 16881), (894, 16884), (918, 16932), (932, 16962), (950, 17019),

Gene: FF47_21 Start: 15896, Stop: 17782, Start Num: 100

Candidate Starts for FF47_21:

(100, 15896), (Start: 116 @15932 has 4 MA's), (Start: 150 @15983 has 25 MA's), (Start: 170 @16010 has 1 MA's), (204, 16070), (Start: 239 @16136 has 1 MA's), (256, 16187), (263, 16205), (417, 16511), (434, 16568), (456, 16616), (458, 16619), (481, 16682), (488, 16703), (511, 16766), (514, 16775), (520, 16790), (589, 16925), (606, 16964), (615, 16985), (627, 17024), (652, 17066), (663, 17081), (666, 17087), (824, 17396), (826, 17405), (828, 17411), (832, 17423), (841, 17453), (849, 17477), (895, 17597), (932, 17654), (958, 17741), (960, 17750),

Gene: Fairfaxidum_19 Start: 16818, Stop: 18467, Start Num: 220

Candidate Starts for Fairfaxidum_19:

(41, 16287), (44, 16317), (47, 16323), (64, 16455), (70, 16512), (74, 16521), (Start: 128 @16680 has 10 MA's), (196, 16782), (Start: 220 @16818 has 45 MA's), (261, 16923), (295, 17001), (318, 17061), (324, 17073), (327, 17076), (337, 17100), (423, 17274), (428, 17289), (470, 17373), (482, 17385), (485, 17394), (486, 17397), (492, 17418), (510, 17460), (520, 17490), (620, 17673), (626, 17697), (658, 17748), (695, 17841), (700, 17853), (736, 17895), (747, 17913), (810, 18048), (841, 18147), (847, 18165), (865, 18216), (888, 18276), (890, 18282), (935, 18357),

Gene: Faith1_18 Start: 16989, Stop: 18722, Start Num: 165

Candidate Starts for Faith1_18:

(Start: 165 @16989 has 28 MA's), (205, 17058), (274, 17199), (276, 17202), (306, 17247), (326, 17280), (329, 17289), (350, 17325), (379, 17379), (397, 17406), (405, 17418), (423, 17469), (425, 17475), (436, 17508), (500, 17661), (510, 17685), (512, 17694), (527, 17739), (533, 17754), (583, 17832), (626, 17952), (657, 18015), (691, 18087), (703, 18123), (783, 18243), (787, 18249), (794, 18261), (826, 18324), (854, 18411), (862, 18438), (890, 18507), (897, 18522), (905, 18534), (912, 18558), (944, 18636),

Gene: Faith5x5_17 Start: 14654, Stop: 16363, Start Num: 269

Candidate Starts for Faith5x5_17:

(208, 14519), (Start: 269 @14654 has 31 MA's), (293, 14696), (324, 14771), (359, 14843), (361, 14846), (379, 14882), (405, 14921), (429, 14975), (452, 15044), (459, 15056), (489, 15134), (490, 15137), (547, 15323), (581, 15404), (605, 15464), (608, 15470), (628, 15512), (671, 15593), (688, 15629), (694, 15647), (697, 15662), (707, 15686), (732, 15761), (745, 15782), (748, 15785), (841, 16016), (846, 16031), (893, 16166), (894, 16169), (918, 16217), (932, 16247), (943, 16283),

Gene: Fajezeel_29 Start: 21405, Stop: 23207, Start Num: 148

Candidate Starts for Fajezeel_29:

(Start: 148 @21405 has 202 MA's), (Start: 166 @21426 has 28 MA's), (Start: 191 @21468 has 1 MA's), (215, 21513), (349, 21729), (376, 21774), (381, 21783), (425, 21873), (426, 21876), (507, 22071), (528, 22140), (616, 22341), (617, 22344), (623, 22365), (674, 22461), (675, 22464), (677, 22470), (701, 22539), (708, 22557), (710, 22566), (720, 22596), (779, 22692), (795, 22725), (802, 22740), (845, 22881), (865, 22938), (907, 23049),

Gene: Fameo_28 Start: 20236, Stop: 22008, Start Num: 145

Candidate Starts for Fameo_28:

(103, 20170), (Start: 128 @20212 has 10 MA's), (Start: 145 @20236 has 749 MA's), (303, 20470), (304, 20473), (347, 20545), (349, 20548), (381, 20602), (407, 20641), (423, 20686), (434, 20719), (470, 20806), (504, 20887), (507, 20890), (617, 21163), (675, 21283), (717, 21409), (757, 21463), (765, 21472), (779, 21493), (795, 21526), (802, 21541), (804, 21547), (821, 21601), (832, 21640), (836, 21655), (865, 21739), (907, 21850),

Gene: Familton_57 Start: 33481, Stop: 35217, Start Num: 118

Candidate Starts for Familton_57:

(Start: 113 @33472 has 2 MA's), (Start: 118 @33481 has 26 MA's), (180, 33571), (244, 33688), (256, 33724), (265, 33745), (277, 33772), (282, 33778), (295, 33808), (303, 33832), (328, 33883), (404, 34021), (408, 34027), (424, 34078), (425, 34081), (431, 34099), (481, 34150), (488, 34171), (489, 34174), (509, 34222), (510, 34228), (523, 34276), (527, 34282), (530, 34288), (575, 34348), (586, 34372), (587, 34375), (606, 34420), (613, 34435), (616, 34444), (620, 34453), (636, 34498), (647, 34516), (665, 34549), (764, 34687), (777, 34708), (806, 34774), (814, 34804), (830, 34858), (844, 34900), (851, 34921), (858, 34942), (862, 34954), (872, 34975), (891, 35029), (938, 35107), (947, 35143), (953, 35164), (960, 35191),

Gene: Fancypants_16 Start: 14817, Stop: 16526, Start Num: 132

Candidate Starts for Fancypants_16:

(Start: 132 @14817 has 199 MA's), (198, 14904), (210, 14925), (Start: 228 @14949 has 2 MA's), (237, 14973), (244, 14994), (277, 15078), (282, 15084), (290, 15102), (301, 15132), (349, 15237), (379, 15291), (383, 15297), (395, 15315), (398, 15318), (404, 15327), (415, 15351), (438, 15426), (442, 15438), (459, 15453), (467, 15459), (481, 15477), (486, 15492), (488, 15498), (494, 15519), (501, 15534), (509, 15549), (510, 15555), (523, 15603), (530, 15615), (531, 15621), (586, 15681), (590, 15693), (606, 15729), (612, 15741), (644, 15816), (647, 15825), (656, 15843), (659, 15849), (671, 15879), (755, 15984), (761, 15993), (764, 15996), (785, 16032), (813, 16110), (844, 16209), (851, 16230), (862, 16263), (877, 16293), (886, 16323), (889, 16332), (891, 16338), (905, 16353), (906, 16356), (916, 16380), (935, 16410), (940, 16422), (947, 16452), (959, 16494),

Gene: Farber_29 Start: 20372, Stop: 22168, Start Num: 145

Candidate Starts for Farber_29:

(Start: 145 @20372 has 749 MA's), (Start: 191 @20429 has 1 MA's), (199, 20444), (216, 20477), (233, 20498), (Start: 239 @20513 has 1 MA's), (297, 20600), (303, 20612), (304, 20615), (349, 20690), (361, 20705), (379, 20741), (470, 20948), (516, 21062), (528, 21101), (560, 21188), (616, 21302), (623, 21326), (629, 21344), (675, 21425), (701, 21500), (708, 21518), (717, 21551), (720, 21557), (739, 21596), (777, 21650), (779, 21653), (791, 21674), (810, 21731), (865, 21899), (905, 22004), (907, 22010), (959, 22145),

Gene: Farewell_16 Start: 16143, Stop: 17858, Start Num: 160

Candidate Starts for Farewell_16:

(Start: 160 @16143 has 2 MA's), (167, 16152), (246, 16278), (274, 16356), (278, 16362), (281, 16365), (304, 16398), (329, 16446), (331, 16452), (372, 16518), (391, 16551), (403, 16569), (437, 16665), (488, 16779), (510, 16836), (516, 16854), (527, 16890), (583, 16971), (586, 16980), (616, 17058), (627, 17094), (675, 17184), (703, 17259), (787, 17385), (830, 17475), (864, 17577), (912, 17706), (936, 17748), (944, 17775), (952, 17802), (956, 17814), (957, 17817), (965, 17841),

Gene: Fascinus_26 Start: 20958, Stop: 22760, Start Num: 148

Candidate Starts for Fascinus_26:

(Start: 148 @20958 has 202 MA's), (Start: 166 @20979 has 28 MA's), (Start: 191 @21021 has 1 MA's), (215, 21066), (349, 21282), (376, 21327), (381, 21336), (407, 21375), (425, 21426), (426, 21429), (507, 21624), (528, 21693), (616, 21894), (617, 21897), (623, 21918), (674, 22014), (675, 22017), (677, 22023), (701, 22092), (708, 22110), (710, 22119), (720, 22149), (779, 22245), (795, 22278), (802, 22293), (845, 22434), (865, 22491), (907, 22602),

Gene: Fastidio_16 Start: 14771, Stop: 16480, Start Num: 132

Candidate Starts for Fastidio_16:

(Start: 132 @14771 has 199 MA's), (198, 14858), (Start: 228 @14903 has 2 MA's), (237, 14927), (277, 15032), (282, 15038), (290, 15056), (301, 15086), (349, 15191), (379, 15245), (383, 15251), (398, 15272), (404, 15281), (415, 15305), (427, 15347), (481, 15431), (486, 15446), (488, 15452), (501, 15488), (503, 15491), (509, 15503), (510, 15509), (523, 15557), (530, 15569), (531, 15575), (586, 15635), (590, 15647), (606, 15683), (612, 15695), (644, 15770), (647, 15779), (656, 15797), (659, 15803), (671, 15833), (755, 15938), (761, 15947), (764, 15950), (785, 15986), (813, 16064), (844, 16163), (851, 16184), (862, 16217), (877, 16247), (886, 16277), (889, 16286), (891, 16292), (905, 16307), (906, 16310), (916, 16334), (935, 16364), (940, 16376), (947, 16406), (959, 16448),

Gene: Fayely_30 Start: 21782, Stop: 23572, Start Num: 145

Candidate Starts for Fayely_30:

(Start: 143 @21779 has 53 MA's), (Start: 145 @21782 has 749 MA's), (303, 22016), (304, 22019), (347, 22091), (349, 22094), (361, 22109), (381, 22148), (385, 22154), (434, 22265), (470, 22352), (504, 22433), (507, 22436), (582, 22622), (609, 22685), (617, 22709), (620, 22715), (629, 22748), (675, 22829), (717, 22955), (737, 22997), (779, 23057), (795, 23090), (802, 23105), (832, 23204), (833, 23207), (836, 23219), (865, 23303), (890, 23369), (905, 23408), (907, 23414), (928, 23459),

(950, 23516), (951, 23519),

Gene: Feastonyeet_17 Start: 15461, Stop: 17155, Start Num: 145

Candidate Starts for Feastonyeet_17:

(Start: 135 @15458 has 8 MA's), (Start: 145 @15461 has 749 MA's), (213, 15560), (Start: 239 @15602 has 1 MA's), (265, 15671), (379, 15842), (423, 15929), (430, 15950), (433, 15959), (442, 15986), (463, 16031), (481, 16064), (486, 16079), (493, 16103), (506, 16136), (516, 16169), (520, 16181), (539, 16238), (582, 16286), (592, 16316), (606, 16346), (628, 16409), (654, 16460), (675, 16496), (680, 16511), (689, 16529), (708, 16586), (710, 16595), (796, 16715), (802, 16727), (828, 16775), (844, 16826), (845, 16829), (851, 16847), (881, 16925), (886, 16940), (890, 16952), (907, 16994), (961, 17141), (965, 17147),

Gene: Fefferhead_22 Start: 17500, Stop: 19257, Start Num: 143

Candidate Starts for Fefferhead_22:

(Start: 121 @17464 has 1 MA's), (Start: 138 @17494 has 25 MA's), (Start: 143 @17500 has 53 MA's), (Start: 145 @17503 has 749 MA's), (Start: 166 @17515 has 28 MA's), (Start: 170 @17521 has 1 MA's), (Start: 239 @17647 has 1 MA's), (244, 17662), (261, 17713), (276, 17743), (291, 17776), (338, 17878), (361, 17920), (404, 17992), (409, 18001), (464, 18145), (465, 18148), (482, 18163), (486, 18175), (488, 18181), (493, 18199), (504, 18223), (508, 18229), (516, 18256), (593, 18412), (647, 18529), (666, 18562), (669, 18574), (675, 18586), (693, 18634), (808, 18826), (820, 18859), (841, 18931), (845, 18943), (862, 18994), (865, 19000), (909, 19093), (938, 19144), (950, 19189), (960, 19228), (961, 19231), (971, 19249),

Gene: FeliMaine_50 Start: 27401, Stop: 29113, Start Num: 166

Candidate Starts for FeliMaine_50:

(120, 27338), (Start: 166 @27401 has 28 MA's), (211, 27482), (246, 27539), (276, 27620), (281, 27626), (317, 27683), (323, 27695), (329, 27707), (352, 27746), (363, 27761), (403, 27830), (423, 27884), (426, 27893), (491, 28049), (510, 28097), (512, 28106), (516, 28115), (528, 28154), (535, 28169), (583, 28232), (587, 28244), (629, 28361), (631, 28364), (657, 28415), (673, 28442), (675, 28445), (682, 28466), (698, 28508), (777, 28628), (787, 28646), (847, 28790), (862, 28835), (871, 28853), (904, 28937), (907, 28946), (912, 28964), (925, 28985), (944, 29030), (946, 29036), (950, 29048), (953, 29060), (959, 29081), (965, 29096), (969, 29102),

Gene: Fenn_28 Start: 22770, Stop: 24572, Start Num: 148

Candidate Starts for Fenn_28:

(Start: 148 @22770 has 202 MA's), (Start: 166 @22791 has 28 MA's), (Start: 191 @22833 has 1 MA's), (215, 22878), (349, 23094), (376, 23139), (381, 23148), (407, 23187), (425, 23238), (426, 23241), (507, 23436), (528, 23505), (552, 23565), (616, 23706), (617, 23709), (623, 23730), (674, 23826), (675, 23829), (677, 23835), (701, 23904), (708, 23922), (710, 23931), (720, 23961), (779, 24057), (795, 24090), (802, 24105), (845, 24246), (865, 24303), (907, 24414),

Gene: Fenry_18 Start: 16369, Stop: 18015, Start Num: 220

Candidate Starts for Fenry_18:

(196, 16333), (Start: 220 @16369 has 45 MA's), (261, 16471), (296, 16552), (337, 16648), (355, 16687), (381, 16732), (390, 16747), (404, 16768), (423, 16822), (428, 16837), (510, 17008), (520, 17038), (585, 17137), (620, 17221), (626, 17245), (658, 17296), (695, 17389), (700, 17401), (738, 17446), (747, 17461), (809, 17593), (810, 17596), (841, 17695), (847, 17713), (865, 17764), (888, 17824), (890, 17830), (927, 17893), (935, 17905),

Gene: Fernando_29 Start: 20378, Stop: 22174, Start Num: 145

Candidate Starts for Fernando_29:

(Start: 145 @20378 has 749 MA's), (Start: 191 @20435 has 1 MA's), (199, 20450), (216, 20483), (233, 20504), (Start: 239 @20519 has 1 MA's), (297, 20606), (303, 20618), (304, 20621), (349, 20696),

(361, 20711), (379, 20747), (470, 20954), (516, 21068), (528, 21107), (560, 21194), (616, 21308), (623, 21332), (629, 21350), (675, 21431), (701, 21506), (708, 21524), (717, 21557), (720, 21563), (739, 21602), (777, 21656), (779, 21659), (791, 21680), (810, 21737), (865, 21905), (905, 22010), (907, 22016), (959, 22151),

Gene: Feyre_21 Start: 17413, Stop: 19185, Start Num: 150

Candidate Starts for Feyre_21:

(Start: 150 @17413 has 25 MA's), (155, 17419), (172, 17443), (Start: 193 @17476 has 1 MA's), (222, 17524), (244, 17578), (261, 17629), (291, 17692), (341, 17800), (404, 17908), (443, 18022), (444, 18025), (465, 18064), (482, 18079), (486, 18091), (488, 18097), (504, 18139), (508, 18145), (520, 18184), (527, 18208), (586, 18310), (613, 18373), (627, 18418), (693, 18553), (754, 18652), (802, 18730), (808, 18754), (810, 18760), (814, 18775), (845, 18871), (847, 18877), (914, 19030), (955, 19135), (956, 19138), (960, 19156),

Gene: Fibonacci_28 Start: 20752, Stop: 22551, Start Num: 145

Candidate Starts for Fibonacci_28:

(103, 20686), (Start: 128 @20728 has 10 MA's), (Start: 145 @20752 has 749 MA's), (185, 20794), (240, 20890), (246, 20905), (303, 20986), (304, 20989), (349, 21064), (361, 21079), (381, 21118), (385, 21124), (434, 21235), (436, 21241), (470, 21322), (507, 21406), (551, 21532), (558, 21550), (574, 21577), (629, 21718), (668, 21784), (674, 21796), (675, 21799), (749, 21988), (765, 22015), (773, 22024), (783, 22045), (785, 22048), (795, 22069), (802, 22084), (808, 22108), (832, 22183), (836, 22198), (865, 22282), (905, 22387), (907, 22393), (935, 22447), (966, 22546),

Gene: Filch_25 Start: 19504, Stop: 21183, Start Num: 137

Candidate Starts for Filch_25:

(Start: 137 @19504 has 84 MA's), (Start: 197 @19588 has 47 MA's), (Start: 239 @19666 has 1 MA's), (272, 19753), (282, 19768), (301, 19816), (315, 19855), (363, 19942), (380, 19975), (404, 20011), (417, 20041), (418, 20047), (441, 20116), (483, 20146), (487, 20158), (488, 20161), (510, 20218), (587, 20350), (589, 20356), (617, 20422), (620, 20428), (626, 20452), (647, 20500), (659, 20524), (665, 20533), (695, 20608), (761, 20659), (772, 20674), (833, 20836), (841, 20863), (851, 20893), (890, 20998), (938, 21076), (947, 21112), (950, 21121), (959, 21154), (965, 21169),

Gene: Filuzino_16 Start: 14799, Stop: 16508, Start Num: 132

Candidate Starts for Filuzino_16:

(Start: 132 @14799 has 199 MA's), (198, 14886), (Start: 228 @14931 has 2 MA's), (237, 14955), (277, 15060), (282, 15066), (290, 15084), (301, 15114), (349, 15219), (383, 15279), (389, 15288), (395, 15297), (398, 15300), (404, 15309), (415, 15333), (438, 15408), (481, 15459), (486, 15474), (488, 15480), (501, 15516), (503, 15519), (509, 15531), (510, 15537), (523, 15585), (530, 15597), (531, 15603), (586, 15663), (590, 15675), (606, 15711), (612, 15723), (644, 15798), (647, 15807), (656, 15825), (659, 15831), (671, 15861), (755, 15966), (761, 15975), (764, 15978), (785, 16014), (813, 16092), (844, 16191), (851, 16212), (862, 16245), (877, 16275), (886, 16305), (889, 16314), (891, 16320), (905, 16335), (906, 16338), (916, 16362), (935, 16392), (940, 16404), (947, 16434), (959, 16476),

Gene: Findley_19 Start: 15016, Stop: 16785, Start Num: 143

Candidate Starts for Findley_19:

(Start: 121 @14980 has 1 MA's), (Start: 138 @15010 has 25 MA's), (Start: 143 @15016 has 53 MA's), (Start: 166 @15031 has 28 MA's), (Start: 193 @15073 has 1 MA's), (222, 15121), (Start: 239 @15160 has 1 MA's), (244, 15175), (261, 15226), (276, 15256), (291, 15289), (298, 15301), (304, 15319), (338, 15391), (341, 15397), (395, 15493), (404, 15505), (439, 15607), (444, 15622), (464, 15658), (488, 15694), (508, 15742), (520, 15781), (527, 15805), (531, 15817), (586, 15907), (589, 15916), (674, 16111), (693, 16162), (710, 16216), (758, 16270), (820, 16384), (823, 16393), (845, 16468), (862, 16519), (865, 16525), (909, 16621), (939, 16675), (960, 16756), (971, 16777),

Gene: Finemlucis_18 Start: 16995, Stop: 18728, Start Num: 165

Candidate Starts for Finemlucis_18:

(Start: 165 @16995 has 28 MA's), (205, 17064), (274, 17205), (276, 17208), (306, 17253), (326, 17286), (329, 17295), (350, 17331), (379, 17385), (397, 17412), (405, 17424), (423, 17475), (425, 17481), (436, 17514), (500, 17667), (510, 17691), (512, 17700), (527, 17745), (533, 17760), (583, 17838), (626, 17958), (657, 18021), (691, 18093), (703, 18129), (783, 18249), (787, 18255), (794, 18267), (826, 18330), (854, 18417), (862, 18444), (890, 18513), (897, 18528), (905, 18540), (912, 18564), (944, 18642),

Gene: Finkle_19 Start: 16256, Stop: 17803, Start Num: 283

Candidate Starts for Finkle_19:

(179, 16073), (203, 16106), (263, 16241), (Start: 283 @16256 has 1 MA's), (286, 16262), (308, 16325), (375, 16439), (379, 16448), (381, 16451), (388, 16454), (401, 16475), (424, 16520), (425, 16523), (443, 16577), (489, 16688), (505, 16736), (534, 16823), (575, 16844), (577, 16847), (585, 16865), (628, 16967), (654, 17021), (678, 17066), (705, 17147), (753, 17261), (756, 17267), (784, 17297), (789, 17306), (813, 17372), (860, 17513), (865, 17525), (894, 17600), (913, 17645), (955, 17759), (959, 17774),

Gene: Finnry_19 Start: 17377, Stop: 19140, Start Num: 130

Candidate Starts for Finnry_19:

(Start: 130 @17377 has 38 MA's), (155, 17404), (194, 17467), (Start: 220 @17515 has 45 MA's), (225, 17521), (248, 17557), (276, 17632), (297, 17656), (301, 17662), (329, 17719), (397, 17833), (405, 17845), (443, 17956), (507, 18100), (510, 18112), (521, 18145), (523, 18160), (616, 18334), (619, 18340), (638, 18397), (661, 18439), (669, 18448), (675, 18460), (701, 18535), (729, 18604), (732, 18616), (787, 18664), (824, 18730), (847, 18808), (862, 18853), (886, 18910), (912, 18973), (930, 19009), (936, 19024), (944, 19054), (946, 19060), (950, 19072), (952, 19081), (956, 19093),

Gene: Fionnbharth_24 Start: 18623, Stop: 20410, Start Num: 145

Candidate Starts for Fionnbharth_24:

(Start: 121 @18584 has 1 MA's), (Start: 138 @18614 has 25 MA's), (Start: 143 @18620 has 53 MA's), (Start: 145 @18623 has 749 MA's), (Start: 168 @18638 has 2 MA's), (Start: 193 @18680 has 1 MA's), (222, 18728), (Start: 239 @18767 has 1 MA's), (244, 18782), (251, 18800), (261, 18833), (276, 18863), (298, 18908), (304, 18926), (338, 18998), (341, 19004), (357, 19034), (359, 19037), (395, 19100), (404, 19112), (456, 19247), (464, 19265), (486, 19295), (488, 19301), (493, 19319), (508, 19349), (520, 19388), (586, 19514), (613, 19577), (693, 19778), (710, 19832), (754, 19877), (781, 19922), (797, 19946), (808, 19979), (809, 19982), (820, 20012), (841, 20084), (845, 20096), (862, 20147), (865, 20153), (914, 20255), (960, 20381), (971, 20402),

Gene: FireRed_24 Start: 19858, Stop: 21453, Start Num: 197

Candidate Starts for FireRed_24:

(Start: 137 @19774 has 84 MA's), (Start: 197 @19858 has 47 MA's), (Start: 239 @19936 has 1 MA's), (272, 20023), (282, 20038), (301, 20086), (315, 20125), (363, 20212), (380, 20245), (404, 20281), (417, 20311), (418, 20317), (441, 20386), (483, 20416), (487, 20428), (488, 20431), (510, 20488), (587, 20620), (589, 20626), (617, 20692), (620, 20698), (626, 20722), (647, 20770), (659, 20794), (665, 20803), (695, 20878), (761, 20929), (772, 20944), (833, 21106), (841, 21133), (851, 21163), (890, 21268), (938, 21346), (947, 21382), (950, 21391), (959, 21424), (965, 21439),

Gene: Fireball_32 Start: 25984, Stop: 27750, Start Num: 107

Candidate Starts for Fireball_32:

(90, 25942), (Start: 107 @25984 has 72 MA's), (Start: 126 @26020 has 1 MA's), (Start: 150 @26053 has 25 MA's), (263, 26263), (265, 26266), (303, 26296), (333, 26362), (349, 26386), (356, 26395), (375, 26428), (443, 26581), (463, 26620), (487, 26671), (491, 26683), (495, 26701), (501, 26713),

(506, 26725), (510, 26740), (520, 26770), (521, 26773), (527, 26794), (583, 26866), (602, 26914), (649, 27025), (669, 27058), (687, 27100), (710, 27172), (753, 27238), (759, 27250), (845, 27421), (846, 27424), (862, 27472), (875, 27499), (884, 27526), (886, 27532), (905, 27580), (951, 27697), (957, 27718),

Gene: Firecracker_57 Start: 33671, Stop: 35407, Start Num: 118

Candidate Starts for Firecracker_57:

(Start: 113 @33662 has 2 MA's), (Start: 118 @33671 has 26 MA's), (180, 33761), (244, 33878), (256, 33914), (265, 33935), (277, 33962), (282, 33968), (295, 33998), (303, 34022), (328, 34073), (404, 34211), (408, 34217), (424, 34268), (425, 34271), (431, 34289), (481, 34340), (488, 34361), (489, 34364), (509, 34412), (510, 34418), (523, 34466), (527, 34472), (530, 34478), (575, 34538), (586, 34562), (587, 34565), (606, 34610), (613, 34625), (616, 34634), (620, 34643), (636, 34688), (647, 34706), (665, 34739), (764, 34877), (777, 34898), (806, 34964), (814, 34994), (830, 35048), (844, 35090), (851, 35111), (858, 35132), (862, 35144), (872, 35165), (891, 35219), (938, 35297), (947, 35333), (953, 35354), (960, 35381),

Gene: Firehouse51_17 Start: 15366, Stop: 17075, Start Num: 132

Candidate Starts for Firehouse51_17:

(Start: 132 @15366 has 199 MA's), (198, 15453), (Start: 228 @15498 has 2 MA's), (237, 15522), (277, 15627), (282, 15633), (290, 15651), (301, 15681), (349, 15786), (383, 15846), (398, 15867), (404, 15876), (415, 15900), (425, 15936), (481, 16026), (486, 16041), (488, 16047), (501, 16083), (503, 16086), (509, 16098), (510, 16104), (523, 16152), (530, 16164), (531, 16170), (586, 16230), (590, 16242), (606, 16278), (612, 16290), (644, 16365), (647, 16374), (656, 16392), (659, 16398), (671, 16428), (755, 16533), (761, 16542), (764, 16545), (785, 16581), (813, 16659), (844, 16758), (851, 16779), (862, 16812), (877, 16842), (886, 16872), (889, 16881), (891, 16887), (905, 16902), (906, 16905), (916, 16929), (935, 16959), (940, 16971), (947, 17001), (959, 17043),

Gene: FiringLine_28 Start: 20118, Stop: 21890, Start Num: 145

Candidate Starts for FiringLine_28:

(103, 20052), (Start: 128 @20094 has 10 MA's), (Start: 145 @20118 has 749 MA's), (216, 20217), (256, 20301), (303, 20352), (304, 20355), (347, 20427), (349, 20430), (381, 20484), (407, 20523), (423, 20568), (434, 20601), (470, 20688), (504, 20769), (507, 20772), (617, 21045), (675, 21165), (717, 21291), (757, 21345), (795, 21408), (802, 21423), (804, 21429), (821, 21483), (832, 21522), (836, 21537), (841, 21552), (865, 21621), (907, 21732), (959, 21867),

Gene: First_0028 Start: 20226, Stop: 21998, Start Num: 145

Candidate Starts for First_0028:

(Start: 128 @20202 has 10 MA's), (Start: 145 @20226 has 749 MA's), (216, 20325), (303, 20460), (304, 20463), (347, 20535), (349, 20538), (381, 20592), (385, 20598), (407, 20631), (434, 20709), (470, 20796), (504, 20877), (507, 20880), (617, 21153), (668, 21258), (675, 21273), (717, 21399), (720, 21405), (757, 21453), (795, 21516), (802, 21531), (804, 21537), (811, 21567), (821, 21591), (832, 21630), (836, 21645), (865, 21729), (896, 21810),

Gene: FirstPlacePfu_19 Start: 16385, Stop: 18121, Start Num: 129

Candidate Starts for FirstPlacePfu_19:

(Start: 114 @16361 has 2 MA's), (Start: 129 @16385 has 45 MA's), (174, 16445), (185, 16466), (Start: 187 @16469 has 15 MA's), (250, 16589), (263, 16628), (279, 16661), (291, 16685), (341, 16805), (363, 16844), (365, 16850), (411, 16934), (415, 16940), (418, 16952), (425, 16976), (434, 17003), (441, 17021), (470, 17060), (481, 17066), (489, 17090), (510, 17144), (513, 17156), (517, 17165), (537, 17225), (595, 17303), (612, 17342), (622, 17375), (647, 17441), (654, 17456), (659, 17465), (669, 17489), (686, 17519), (691, 17531), (782, 17633), (788, 17645), (791, 17648), (794, 17654), (796, 17663), (830, 17771), (858, 17855), (898, 17954), (950, 18062), (965, 18110),

Gene: Fishburne_19 Start: 16385, Stop: 18121, Start Num: 129

Candidate Starts for Fishburne_19:

(Start: 114 @16361 has 2 MA's), (Start: 129 @16385 has 45 MA's), (174, 16445), (185, 16466), (Start: 187 @16469 has 15 MA's), (250, 16589), (263, 16628), (279, 16661), (291, 16685), (341, 16805), (363, 16844), (365, 16850), (411, 16934), (415, 16940), (418, 16952), (425, 16976), (434, 17003), (441, 17021), (470, 17060), (481, 17066), (489, 17090), (510, 17144), (513, 17156), (517, 17165), (537, 17225), (595, 17303), (612, 17342), (622, 17375), (647, 17441), (654, 17456), (659, 17465), (669, 17489), (686, 17519), (691, 17531), (782, 17633), (788, 17645), (791, 17648), (794, 17654), (796, 17663), (830, 17771), (858, 17855), (898, 17954), (950, 18062), (965, 18110),

Gene: Fitzgerald_33 Start: 30900, Stop: 32663, Start Num: 107

Candidate Starts for Fitzgerald_33:

(100, 30882), (Start: 107 @30900 has 72 MA's), (Start: 126 @30936 has 1 MA's), (216, 31074), (259, 31170), (265, 31179), (319, 31248), (349, 31299), (376, 31344), (385, 31359), (425, 31440), (440, 31485), (443, 31494), (463, 31533), (487, 31584), (495, 31614), (503, 31629), (510, 31653), (520, 31683), (586, 31788), (629, 31905), (644, 31923), (649, 31938), (668, 31968), (674, 31980), (675, 31983), (686, 32010), (845, 32334), (846, 32337), (862, 32385), (875, 32412), (884, 32439), (905, 32493), (913, 32520), (961, 32649),

Gene: FlagStaff_18 Start: 16851, Stop: 18575, Start Num: 166

Candidate Starts for FlagStaff_18:

(Start: 166 @16851 has 28 MA's), (222, 16923), (276, 17058), (308, 17133), (335, 17184), (341, 17199), (357, 17229), (361, 17235), (392, 17289), (439, 17409), (461, 17454), (488, 17505), (491, 17514), (508, 17553), (520, 17592), (531, 17628), (548, 17673), (586, 17718), (647, 17859), (675, 17916), (693, 17964), (701, 17991), (742, 18039), (778, 18081), (808, 18144), (840, 18246), (862, 18312), (943, 18486), (963, 18552),

Gene: Flapper_45 Start: 31189, Stop: 32808, Start Num: 260

Candidate Starts for Flapper_45:

(Start: 260 @31189 has 35 MA's), (Start: 269 @31204 has 31 MA's), (Start: 288 @31225 has 1 MA's), (322, 31303), (452, 31570), (467, 31600), (481, 31627), (484, 31636), (489, 31651), (527, 31762), (538, 31792), (539, 31795), (572, 31852), (674, 32077), (688, 32116), (704, 32164), (756, 32290), (780, 32326), (810, 32383), (827, 32437), (851, 32512), (913, 32644), (943, 32719), (947, 32731), (951, 32743), (953, 32752), (964, 32788),

Gene: Flare16_28 Start: 20214, Stop: 21986, Start Num: 145

Candidate Starts for Flare16_28:

(Start: 128 @20190 has 10 MA's), (Start: 145 @20214 has 749 MA's), (Start: 239 @20349 has 1 MA's), (303, 20448), (304, 20451), (347, 20523), (349, 20526), (381, 20580), (385, 20586), (419, 20649), (434, 20697), (445, 20730), (470, 20784), (504, 20865), (507, 20868), (516, 20898), (582, 21054), (617, 21141), (675, 21261), (716, 21384), (717, 21387), (720, 21393), (757, 21441), (795, 21504), (802, 21519), (804, 21525), (821, 21579), (832, 21618), (836, 21633), (847, 21666), (905, 21822), (907, 21828), (935, 21882),

Gene: Flathead_17 Start: 14674, Stop: 16383, Start Num: 132

Candidate Starts for Flathead_17:

(Start: 132 @14674 has 199 MA's), (198, 14761), (Start: 228 @14806 has 2 MA's), (237, 14830), (277, 14935), (282, 14941), (290, 14959), (301, 14989), (349, 15094), (383, 15154), (398, 15175), (404, 15184), (415, 15208), (481, 15334), (486, 15349), (488, 15355), (501, 15391), (503, 15394), (509, 15406), (510, 15412), (523, 15460), (530, 15472), (531, 15478), (586, 15538), (590, 15550), (606, 15586), (612, 15598), (644, 15673), (647, 15682), (656, 15700), (659, 15706), (671, 15736), (755, 15841), (761, 15850), (764, 15853), (785, 15889), (813, 15967), (844, 16066), (851, 16087), (862, 16120), (877, 16150), (886, 16180), (889, 16189), (891, 16195), (905, 16210), (906, 16213), (916,

16237), (935, 16267), (940, 16279), (947, 16309), (959, 16351),

Gene: Flatwoods_35 Start: 29836, Stop: 31599, Start Num: 107

Candidate Starts for Flatwoods_35:

(Start: 107 @29836 has 72 MA's), (Start: 126 @29872 has 1 MA's), (210, 30001), (216, 30010), (259, 30106), (265, 30115), (319, 30184), (349, 30235), (356, 30244), (376, 30280), (385, 30295), (397, 30313), (425, 30376), (440, 30421), (443, 30430), (493, 30541), (495, 30550), (503, 30565), (506, 30574), (510, 30589), (520, 30619), (629, 30841), (644, 30859), (649, 30874), (674, 30916), (675, 30919), (686, 30946), (732, 31066), (845, 31270), (846, 31273), (862, 31321), (875, 31348), (884, 31375), (905, 31429), (913, 31456),

Gene: Flaverint_28 Start: 20749, Stop: 22548, Start Num: 145

Candidate Starts for Flaverint_28:

(103, 20683), (Start: 128 @20725 has 10 MA's), (Start: 145 @20749 has 749 MA's), (185, 20791), (240, 20887), (246, 20902), (303, 20983), (304, 20986), (349, 21061), (361, 21076), (381, 21115), (385, 21121), (434, 21232), (436, 21238), (470, 21319), (507, 21403), (551, 21529), (558, 21547), (574, 21574), (629, 21715), (668, 21781), (674, 21793), (675, 21796), (749, 21985), (765, 22012), (773, 22021), (783, 22042), (785, 22045), (795, 22066), (802, 22081), (808, 22105), (832, 22180), (836, 22195), (865, 22279), (905, 22384), (907, 22390), (935, 22444), (966, 22543),

Gene: Float294_43 Start: 30912, Stop: 32534, Start Num: 260

Candidate Starts for Float294_43:

(Start: 260 @30912 has 35 MA's), (322, 31029), (363, 31107), (443, 31269), (447, 31281), (452, 31296), (484, 31362), (489, 31377), (527, 31488), (538, 31518), (539, 31521), (572, 31578), (604, 31650), (633, 31734), (643, 31755), (688, 31842), (704, 31890), (756, 32016), (757, 32019), (780, 32052), (810, 32109), (851, 32238), (865, 32277), (920, 32382), (943, 32445), (947, 32457), (951, 32469), (953, 32478), (964, 32514),

Gene: Floral_20 Start: 17566, Stop: 19272, Start Num: 145

Candidate Starts for Floral_20:

(Start: 129 @17542 has 45 MA's), (Start: 145 @17566 has 749 MA's), (216, 17671), (242, 17713), (285, 17788), (349, 17902), (423, 18049), (425, 18055), (440, 18100), (500, 18238), (525, 18313), (674, 18595), (681, 18616), (708, 18691), (759, 18778), (787, 18814), (802, 18847), (804, 18853), (835, 18919), (845, 18949), (905, 19105), (907, 19111), (912, 19129), (957, 19240),

Gene: Florean_27 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for Florean_27:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (833, 21237), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: Florinda_16 Start: 14828, Stop: 16537, Start Num: 132

Candidate Starts for Florinda_16:

(Start: 132 @14828 has 199 MA's), (198, 14915), (Start: 228 @14960 has 2 MA's), (237, 14984), (277, 15089), (282, 15095), (290, 15113), (301, 15143), (349, 15248), (383, 15308), (398, 15329), (404, 15338), (415, 15362), (481, 15488), (486, 15503), (488, 15509), (493, 15527), (494, 15530), (501, 15545), (503, 15548), (509, 15560), (510, 15566), (512, 15575), (523, 15614), (530, 15626), (531, 15632), (586, 15692), (606, 15740), (612, 15752), (644, 15827), (647, 15836), (656, 15854), (659, 15860), (671, 15890), (755, 15995), (764, 16007), (785, 16043), (813, 16121), (844, 16220), (851,

16241), (862, 16274), (877, 16304), (886, 16334), (889, 16343), (891, 16349), (905, 16364), (906, 16367), (914, 16388), (916, 16391), (940, 16433), (947, 16463), (959, 16505),

Gene: Flux_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Flux_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Flypotenuse_22 Start: 19446, Stop: 21041, Start Num: 197

Candidate Starts for Flypotenuse_22:

(Start: 137 @19362 has 84 MA's), (Start: 197 @19446 has 47 MA's), (Start: 239 @19524 has 1 MA's), (272, 19611), (282, 19626), (301, 19674), (315, 19713), (363, 19800), (380, 19833), (404, 19869), (417, 19899), (418, 19905), (441, 19974), (483, 20004), (487, 20016), (488, 20019), (510, 20076), (587, 20208), (589, 20214), (617, 20280), (620, 20286), (626, 20310), (647, 20358), (659, 20382), (665, 20391), (695, 20466), (761, 20517), (772, 20532), (833, 20694), (841, 20721), (851, 20751), (890, 20856), (938, 20934), (947, 20970), (950, 20979), (959, 21012), (965, 21027),

Gene: ForGetIt_24 Start: 19589, Stop: 21388, Start Num: 145

Candidate Starts for ForGetIt_24:

(Start: 145 @19589 has 749 MA's), (240, 19727), (304, 19826), (349, 19901), (379, 19952), (419, 20024), (423, 20039), (434, 20072), (436, 20078), (478, 20171), (516, 20273), (523, 20303), (527, 20309), (560, 20399), (582, 20429), (612, 20501), (616, 20513), (617, 20516), (629, 20555), (637, 20573), (674, 20633), (675, 20636), (694, 20687), (708, 20729), (777, 20870), (798, 20912), (907, 21230), (959, 21365),

Gene: Forge_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for Forge_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: Forsytheast_26 Start: 21094, Stop: 22896, Start Num: 148

Candidate Starts for Forsytheast_26:

(Start: 148 @21094 has 202 MA's), (Start: 166 @21115 has 28 MA's), (Start: 191 @21157 has 1 MA's), (215, 21202), (349, 21418), (376, 21463), (381, 21472), (407, 21511), (425, 21562), (426, 21565), (507, 21760), (528, 21829), (616, 22030), (617, 22033), (623, 22054), (674, 22150), (675, 22153), (677, 22159), (701, 22228), (708, 22246), (710, 22255), (720, 22285), (779, 22381), (795, 22414), (802, 22429), (810, 22459), (845, 22570), (865, 22627), (907, 22738),

Gene: Forza_101 Start: 59948, Stop: 61576, Start Num: 181

Candidate Starts for Forza_101:

(Start: 181 @59948 has 4 MA's), (194, 59963), (Start: 197 @59966 has 47 MA's), (210, 59993), (Start: 239 @60050 has 1 MA's), (252, 60086), (263, 60119), (279, 60149), (282, 60152), (308, 60221), (309,

60227), (402, 60392), (419, 60434), (422, 60443), (424, 60452), (428, 60464), (500, 60584), (586, 60737), (612, 60797), (676, 60944), (686, 60965), (691, 60980), (768, 61058), (772, 61064), (820, 61181), (824, 61196), (841, 61253), (851, 61283), (862, 61316), (917, 61436), (965, 61565),

Gene: Fosterous_33 Start: 30742, Stop: 32505, Start Num: 107

Candidate Starts for Fosterous_33:

(100, 30724), (Start: 107 @30742 has 72 MA's), (Start: 126 @30778 has 1 MA's), (216, 30916), (259, 31012), (265, 31021), (319, 31090), (349, 31141), (376, 31186), (385, 31201), (425, 31282), (440, 31327), (443, 31336), (487, 31426), (495, 31456), (503, 31471), (510, 31495), (520, 31525), (629, 31747), (644, 31765), (649, 31780), (668, 31810), (674, 31822), (675, 31825), (686, 31852), (844, 32173), (845, 32176), (846, 32179), (862, 32227), (875, 32254), (884, 32281), (905, 32335), (912, 32359), (913, 32362), (951, 32452), (966, 32500),

Gene: FoulBall_53 Start: 33475, Stop: 35211, Start Num: 118

Candidate Starts for FoulBall_53:

(Start: 113 @33466 has 2 MA's), (Start: 118 @33475 has 26 MA's), (180, 33565), (244, 33682), (256, 33718), (265, 33739), (277, 33766), (282, 33772), (295, 33802), (303, 33826), (328, 33877), (404, 34015), (408, 34021), (424, 34072), (425, 34075), (431, 34093), (481, 34144), (488, 34165), (489, 34168), (509, 34216), (510, 34222), (523, 34270), (527, 34276), (530, 34282), (575, 34342), (586, 34366), (587, 34369), (606, 34414), (613, 34429), (616, 34438), (620, 34447), (636, 34492), (647, 34510), (665, 34543), (764, 34681), (777, 34702), (806, 34768), (814, 34798), (830, 34852), (844, 34894), (851, 34915), (858, 34936), (862, 34948), (872, 34969), (891, 35023), (938, 35101), (947, 35137), (953, 35158), (960, 35185),

Gene: Foxboro_42 Start: 31331, Stop: 32944, Start Num: 260

Candidate Starts for Foxboro_42:

(Start: 260 @31331 has 35 MA's), (Start: 288 @31367 has 1 MA's), (295, 31385), (322, 31445), (443, 31685), (447, 31697), (452, 31712), (484, 31778), (489, 31793), (497, 31817), (498, 31820), (527, 31904), (538, 31934), (539, 31937), (572, 31994), (592, 32042), (594, 32045), (604, 32066), (643, 32171), (671, 32216), (688, 32258), (756, 32432), (774, 32462), (780, 32468), (826, 32576), (827, 32579), (851, 32654), (947, 32873), (964, 32930),

Gene: Francis47_27 Start: 21642, Stop: 23444, Start Num: 148

Candidate Starts for Francis47_27:

(Start: 148 @21642 has 202 MA's), (Start: 166 @21663 has 28 MA's), (Start: 191 @21705 has 1 MA's), (215, 21750), (349, 21966), (376, 22011), (381, 22020), (425, 22110), (426, 22113), (434, 22137), (507, 22308), (528, 22377), (616, 22578), (617, 22581), (623, 22602), (674, 22698), (675, 22701), (677, 22707), (701, 22776), (708, 22794), (710, 22803), (720, 22833), (779, 22929), (795, 22962), (802, 22977), (845, 23118), (865, 23175), (907, 23286),

Gene: Francois_22 Start: 17367, Stop: 19073, Start Num: 187

Candidate Starts for Francois_22:

(131, 17292), (Start: 187 @17367 has 15 MA's), (Start: 239 @17460 has 1 MA's), (244, 17475), (275, 17556), (299, 17607), (305, 17628), (359, 17739), (384, 17784), (395, 17802), (404, 17814), (486, 17985), (489, 17994), (491, 18000), (520, 18078), (523, 18096), (542, 18147), (564, 18171), (587, 18201), (616, 18270), (628, 18309), (691, 18441), (710, 18501), (758, 18555), (808, 18642), (844, 18756), (847, 18765), (886, 18870), (936, 18957), (971, 19065),

Gene: Frankie_17 Start: 14912, Stop: 16621, Start Num: 132

Candidate Starts for Frankie_17:

(Start: 132 @14912 has 199 MA's), (198, 14999), (Start: 228 @15044 has 2 MA's), (237, 15068), (244, 15089), (277, 15173), (282, 15179), (290, 15197), (301, 15227), (349, 15332), (383, 15392), (389, 15401), (395, 15410), (398, 15413), (404, 15422), (415, 15446), (438, 15521), (481, 15572), (486,

15587), (488, 15593), (501, 15629), (509, 15644), (510, 15650), (523, 15698), (530, 15710), (531, 15716), (586, 15776), (590, 15788), (606, 15824), (612, 15836), (644, 15911), (647, 15920), (656, 15938), (659, 15944), (671, 15974), (755, 16079), (764, 16091), (785, 16127), (813, 16205), (851, 16325), (862, 16358), (877, 16388), (886, 16418), (889, 16427), (891, 16433), (905, 16448), (906, 16451), (916, 16475), (935, 16505), (940, 16517), (947, 16547), (959, 16589),

Gene: Fred313_27 Start: 19652, Stop: 21451, Start Num: 145

Candidate Starts for Fred313_27:

(Start: 145 @19652 has 749 MA's), (Start: 191 @19712 has 1 MA's), (233, 19781), (297, 19883), (303, 19895), (304, 19898), (349, 19973), (361, 19988), (363, 19991), (381, 20027), (440, 20162), (470, 20231), (516, 20345), (560, 20471), (616, 20585), (623, 20609), (627, 20621), (629, 20627), (675, 20708), (701, 20783), (708, 20801), (710, 20810), (717, 20834), (720, 20840), (729, 20855), (753, 20897), (773, 20924), (777, 20933), (779, 20936), (791, 20957), (795, 20969), (865, 21182), (905, 21287), (907, 21293), (959, 21428),

Gene: FreddyB_16 Start: 14816, Stop: 16525, Start Num: 132

Candidate Starts for FreddyB_16:

(Start: 132 @14816 has 199 MA's), (198, 14903), (Start: 228 @14948 has 2 MA's), (237, 14972), (277, 15077), (282, 15083), (290, 15101), (301, 15131), (349, 15236), (383, 15296), (398, 15317), (404, 15326), (415, 15350), (481, 15476), (486, 15491), (488, 15497), (501, 15533), (503, 15536), (509, 15548), (510, 15554), (523, 15602), (530, 15614), (531, 15620), (586, 15680), (590, 15692), (606, 15728), (612, 15740), (644, 15815), (647, 15824), (656, 15842), (659, 15848), (671, 15878), (755, 15983), (764, 15995), (785, 16031), (813, 16109), (851, 16229), (862, 16262), (877, 16292), (886, 16322), (889, 16331), (891, 16337), (905, 16352), (906, 16355), (916, 16379), (935, 16409), (940, 16421), (947, 16451), (959, 16493),

Gene: Fribs8_19 Start: 16521, Stop: 18215, Start Num: 145

Candidate Starts for Fribs8_19:

(Start: 145 @16521 has 749 MA's), (Start: 156 @16533 has 4 MA's), (Start: 220 @16635 has 45 MA's), (321, 16806), (323, 16809), (349, 16854), (376, 16899), (407, 16947), (423, 16992), (463, 17094), (481, 17127), (485, 17139), (486, 17142), (506, 17199), (516, 17232), (521, 17247), (530, 17274), (541, 17313), (584, 17355), (587, 17364), (606, 17409), (616, 17433), (628, 17472), (674, 17553), (680, 17571), (686, 17580), (689, 17589), (708, 17646), (710, 17655), (802, 17787), (804, 17793), (818, 17814), (844, 17886), (845, 17889), (881, 17985), (890, 18012), (893, 18021), (894, 18024), (907, 18054), (939, 18117),

Gene: Frickyeah_20 Start: 16428, Stop: 18125, Start Num: 145

Candidate Starts for Frickyeah_20:

(Start: 121 @16389 has 1 MA's), (Start: 145 @16428 has 749 MA's), (Start: 156 @16440 has 4 MA's), (205, 16518), (216, 16539), (244, 16587), (247, 16596), (261, 16638), (303, 16674), (329, 16731), (344, 16752), (360, 16779), (375, 16806), (438, 16947), (463, 17004), (478, 17031), (481, 17037), (495, 17085), (508, 17115), (519, 17151), (527, 17178), (528, 17181), (549, 17232), (583, 17259), (584, 17262), (594, 17289), (606, 17316), (632, 17388), (655, 17427), (687, 17481), (700, 17523), (730, 17598), (783, 17661), (796, 17688), (804, 17706), (841, 17790), (844, 17799), (845, 17802), (847, 17808), (853, 17823), (863, 17853), (866, 17859), (875, 17880), (877, 17883), (894, 17937), (907, 17967), (909, 17976), (937, 18027), (947, 18060), (951, 18072), (956, 18090),

Gene: Froghopper_28 Start: 21057, Stop: 22859, Start Num: 148

Candidate Starts for Froghopper_28:

(Start: 148 @21057 has 202 MA's), (Start: 166 @21078 has 28 MA's), (Start: 191 @21120 has 1 MA's), (215, 21165), (349, 21381), (376, 21426), (381, 21435), (407, 21474), (425, 21525), (426, 21528), (463, 21621), (507, 21723), (528, 21792), (616, 21993), (617, 21996), (623, 22017), (674, 22113), (675, 22116), (677, 22122), (701, 22191), (708, 22209), (710, 22218), (720, 22248), (779,

22344), (795, 22377), (802, 22392), (845, 22533), (865, 22590), (907, 22701),

Gene: Frokostdame_19 Start: 16616, Stop: 18265, Start Num: 220

Candidate Starts for Frokostdame_19:

(196, 16580), (Start: 220 @16616 has 45 MA's), (Start: 228 @16625 has 2 MA's), (261, 16721), (295, 16799), (337, 16898), (355, 16937), (404, 17018), (423, 17072), (428, 17087), (470, 17171), (510, 17258), (520, 17288), (620, 17471), (626, 17495), (658, 17546), (695, 17639), (700, 17651), (738, 17696), (747, 17711), (760, 17738), (809, 17843), (810, 17846), (841, 17945), (847, 17963), (865, 18014), (888, 18074), (890, 18080), (935, 18155),

Gene: Frosty24_18 Start: 16640, Stop: 18403, Start Num: 138

Candidate Starts for Frosty24_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Fruitloop_16 Start: 14838, Stop: 16547, Start Num: 132

Candidate Starts for Fruitloop_16:

(Start: 132 @14838 has 199 MA's), (198, 14925), (Start: 228 @14970 has 2 MA's), (237, 14994), (277, 15099), (282, 15105), (290, 15123), (301, 15153), (349, 15258), (383, 15318), (398, 15339), (404, 15348), (411, 15366), (415, 15372), (481, 15498), (486, 15513), (488, 15519), (501, 15555), (503, 15558), (509, 15570), (510, 15576), (523, 15624), (530, 15636), (531, 15642), (586, 15702), (590, 15714), (606, 15750), (612, 15762), (644, 15837), (647, 15846), (656, 15864), (659, 15870), (671, 15900), (755, 16005), (761, 16014), (764, 16017), (785, 16053), (813, 16131), (844, 16230), (851, 16251), (862, 16284), (877, 16314), (886, 16344), (889, 16353), (891, 16359), (905, 16374), (906, 16377), (916, 16401), (935, 16431), (940, 16443), (947, 16473), (959, 16515),

Gene: Fryberger_53 Start: 27936, Stop: 29621, Start Num: 137

Candidate Starts for Fryberger_53:

(68, 27744), (69, 27753), (73, 27759), (97, 27861), (Start: 110 @27891 has 1 MA's), (Start: 137 @27936 has 84 MA's), (236, 28077), (328, 28236), (360, 28290), (434, 28446), (480, 28545), (495, 28593), (516, 28650), (521, 28665), (582, 28755), (634, 28893), (674, 28956), (708, 29052), (749, 29103), (751, 29106), (756, 29118), (802, 29193), (806, 29208), (844, 29292), (875, 29373), (957, 29589), (961, 29607),

Gene: Fugax_33 Start: 26575, Stop: 28341, Start Num: 107

Candidate Starts for Fugax_33:

(90, 26533), (Start: 107 @26575 has 72 MA's), (Start: 126 @26611 has 1 MA's), (Start: 150 @26644 has 25 MA's), (263, 26854), (265, 26857), (303, 26887), (333, 26953), (349, 26977), (356, 26986), (375, 27019), (443, 27172), (463, 27211), (487, 27262), (491, 27274), (495, 27292), (501, 27304), (506, 27316), (510, 27331), (520, 27361), (521, 27364), (527, 27385), (583, 27457), (602, 27505), (649, 27616), (669, 27649), (687, 27691), (710, 27763), (753, 27829), (759, 27841), (845, 28012), (846, 28015), (862, 28063), (875, 28090), (884, 28117), (905, 28171), (951, 28288), (957, 28309), (966, 28336),

Gene: Fulbright_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Fulbright_18:

(Start: 134 @14986 has 40 MA's), (161, 15013), (Start: 228 @15118 has 2 MA's), (232, 15130), (245, 15166), (263, 15217), (277, 15247), (282, 15253), (294, 15280), (296, 15286), (349, 15406), (379,

15460), (383, 15466), (395, 15484), (404, 15496), (406, 15499), (415, 15520), (427, 15562), (438, 15595), (481, 15646), (486, 15661), (501, 15703), (509, 15718), (510, 15724), (523, 15772), (535, 15796), (554, 15826), (586, 15850), (612, 15910), (616, 15922), (636, 15976), (644, 15985), (670, 16045), (671, 16048), (755, 16153), (761, 16162), (785, 16201), (832, 16339), (885, 16489), (886, 16492), (889, 16501), (905, 16522), (916, 16549), (938, 16585), (965, 16678),

Gene: Funston_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Funston_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Fury_50 Start: 30682, Stop: 32301, Start Num: 260

Candidate Starts for Fury_50:

(Start: 260 @30682 has 35 MA's), (Start: 269 @30697 has 31 MA's), (295, 30736), (322, 30796), (365, 30880), (452, 31063), (484, 31129), (489, 31144), (502, 31180), (527, 31255), (538, 31285), (539, 31288), (543, 31306), (572, 31345), (586, 31375), (677, 31579), (688, 31609), (704, 31657), (705, 31660), (756, 31783), (780, 31819), (851, 32005), (923, 32158), (943, 32212), (947, 32224), (951, 32236), (964, 32281),

Gene: Fushigi_28 Start: 21514, Stop: 23316, Start Num: 148

Candidate Starts for Fushigi_28:

(Start: 148 @21514 has 202 MA's), (Start: 166 @21535 has 28 MA's), (Start: 191 @21577 has 1 MA's), (215, 21622), (349, 21838), (376, 21883), (381, 21892), (407, 21931), (425, 21982), (426, 21985), (436, 22015), (507, 22180), (528, 22249), (616, 22450), (617, 22453), (623, 22474), (674, 22570), (675, 22573), (677, 22579), (701, 22648), (708, 22666), (710, 22675), (720, 22705), (779, 22801), (795, 22834), (802, 22849), (845, 22990), (865, 23047), (907, 23158),

Gene: GAL1_20 Start: 16985, Stop: 18748, Start Num: 156

Candidate Starts for GAL1_20:

(Start: 148 @16976 has 202 MA's), (Start: 156 @16985 has 4 MA's), (209, 17072), (235, 17108), (254, 17159), (261, 17183), (265, 17189), (290, 17249), (297, 17264), (328, 17339), (329, 17345), (368, 17414), (385, 17444), (403, 17471), (407, 17477), (418, 17507), (423, 17525), (432, 17552), (435, 17561), (438, 17570), (440, 17576), (442, 17582), (451, 17612), (479, 17654), (487, 17675), (489, 17681), (492, 17693), (517, 17759), (523, 17786), (525, 17789), (602, 17915), (623, 17975), (642, 18011), (674, 18071), (675, 18074), (681, 18092), (686, 18101), (708, 18167), (710, 18176), (787, 18290), (802, 18323), (806, 18338), (816, 18347), (835, 18395), (845, 18425), (865, 18482), (867, 18485), (870, 18494), (886, 18536), (905, 18581), (907, 18587), (915, 18611), (918, 18617), (934, 18638), (950, 18692), (957, 18716), (961, 18734), (966, 18743),

Gene: GEazy_19 Start: 16647, Stop: 18377, Start Num: 143

Candidate Starts for GEazy_19:

(84, 16527), (Start: 121 @16611 has 1 MA's), (Start: 143 @16647 has 53 MA's), (Start: 220 @16767 has 45 MA's), (257, 16851), (296, 16884), (310, 16917), (360, 17001), (448, 17202), (469, 17244), (487, 17280), (495, 17310), (506, 17334), (519, 17376), (527, 17403), (528, 17406), (563, 17460), (574, 17466), (612, 17553), (785, 17913), (796, 17937), (804, 17955), (845, 18051), (851, 18069), (910, 18228), (948, 18315), (956, 18342),

Gene: GMA1_19 Start: 15927, Stop: 17480, Start Num: 283

Candidate Starts for GMA1_19:

(203, 15795), (Start: 283 @15927 has 1 MA's), (314, 16008), (338, 16050), (375, 16116), (379, 16125), (381, 16128), (388, 16131), (418, 16179), (424, 16197), (425, 16200), (489, 16365), (499, 16401), (505, 16413), (509, 16425), (581, 16530), (585, 16542), (596, 16569), (668, 16719), (694, 16788), (705, 16824), (753, 16938), (756, 16944), (784, 16974), (789, 16983), (805, 17019), (808, 17031), (821, 17067), (824, 17079), (860, 17190), (865, 17202), (894, 17277), (909, 17310), (913, 17322), (934, 17364), (938, 17373), (955, 17436),

Gene: GMA2_30 Start: 31614, Stop: 33245, Start Num: 184

Candidate Starts for GMA2_30:

(Start: 184 @31614 has 11 MA's), (263, 31785), (289, 31833), (295, 31848), (309, 31893), (406, 32064), (419, 32100), (422, 32109), (423, 32115), (424, 32118), (428, 32130), (500, 32250), (542, 32367), (589, 32412), (676, 32613), (686, 32634), (691, 32649), (755, 32709), (799, 32787), (806, 32808), (808, 32817), (824, 32865), (945, 33171), (959, 33219),

Gene: GRU1_31 Start: 23089, Stop: 24708, Start Num: 260

Candidate Starts for GRU1_31:

(Start: 260 @23089 has 35 MA's), (Start: 269 @23104 has 31 MA's), (Start: 288 @23125 has 1 MA's), (322, 23203), (397, 23341), (452, 23470), (467, 23500), (481, 23527), (484, 23536), (489, 23551), (527, 23662), (538, 23692), (539, 23695), (572, 23752), (674, 23977), (688, 24016), (704, 24064), (756, 24190), (780, 24226), (810, 24283), (827, 24337), (851, 24412), (913, 24544), (943, 24619), (947, 24631), (951, 24643), (953, 24652), (964, 24688),

Gene: GTE2_16 Start: 15173, Stop: 16768, Start Num: 213

Candidate Starts for GTE2_16:

(Start: 135 @15068 has 8 MA's), (Start: 145 @15071 has 749 MA's), (213, 15173), (Start: 220 @15185 has 45 MA's), (263, 15281), (328, 15365), (379, 15455), (415, 15515), (423, 15542), (433, 15572), (434, 15575), (442, 15599), (451, 15629), (463, 15644), (481, 15677), (485, 15689), (486, 15692), (492, 15713), (516, 15782), (520, 15794), (535, 15836), (606, 15959), (675, 16109), (680, 16124), (689, 16142), (708, 16199), (802, 16340), (804, 16346), (807, 16358), (818, 16367), (844, 16439), (845, 16442), (847, 16448), (851, 16460), (886, 16553), (890, 16565), (893, 16574), (907, 16607),

Gene: GTE5_32 Start: 24044, Stop: 25663, Start Num: 260

Candidate Starts for GTE5_32:

(Start: 260 @24044 has 35 MA's), (Start: 269 @24059 has 31 MA's), (Start: 288 @24080 has 1 MA's), (322, 24158), (452, 24425), (467, 24455), (481, 24482), (484, 24491), (489, 24506), (527, 24617), (538, 24647), (539, 24650), (572, 24707), (643, 24884), (674, 24932), (688, 24971), (691, 24980), (704, 25019), (756, 25145), (780, 25181), (810, 25238), (827, 25292), (851, 25367), (913, 25499), (943, 25574), (947, 25586), (951, 25598), (953, 25607), (964, 25643),

Gene: GTE6_32 Start: 28048, Stop: 29667, Start Num: 192

Candidate Starts for GTE6_32:

(Start: 192 @28048 has 10 MA's), (205, 28069), (237, 28132), (289, 28255), (294, 28267), (310, 28324), (354, 28402), (420, 28525), (489, 28639), (500, 28669), (516, 28711), (537, 28774), (586, 28822), (589, 28831), (612, 28882), (628, 28930), (700, 29095), (755, 29125), (806, 29224), (808, 29233), (809, 29236), (824, 29281), (839, 29338), (841, 29344), (843, 29350), (859, 29398), (862, 29407), (865, 29413), (867, 29416), (886, 29467), (909, 29512), (941, 29581), (956, 29629), (959, 29641),

Gene: GTE8_30 Start: 24084, Stop: 25697, Start Num: 260

Candidate Starts for GTE8_30:

(Start: 260 @24084 has 35 MA's), (Start: 288 @24120 has 1 MA's), (322, 24198), (443, 24438), (447, 24450), (452, 24465), (484, 24531), (489, 24546), (497, 24570), (527, 24657), (538, 24687), (539, 24690), (569, 24735), (572, 24747), (592, 24795), (594, 24798), (604, 24819), (671, 24969), (688, 25011), (756, 25185), (780, 25221), (826, 25329), (827, 25332), (851, 25407), (947, 25626), (964, 25683),

Gene: GUmbie_16 Start: 14805, Stop: 16514, Start Num: 132

Candidate Starts for GUmbie_16:

(Start: 132 @14805 has 199 MA's), (198, 14892), (Start: 228 @14937 has 2 MA's), (237, 14961), (277, 15066), (282, 15072), (290, 15090), (301, 15120), (349, 15225), (379, 15279), (383, 15285), (389, 15294), (398, 15306), (404, 15315), (415, 15339), (425, 15375), (427, 15381), (431, 15393), (438, 15414), (439, 15417), (442, 15426), (459, 15441), (467, 15447), (481, 15465), (486, 15480), (488, 15486), (493, 15504), (494, 15507), (501, 15522), (509, 15537), (510, 15543), (520, 15573), (523, 15591), (530, 15603), (531, 15609), (586, 15669), (590, 15681), (606, 15717), (612, 15729), (620, 15750), (644, 15804), (647, 15813), (659, 15837), (671, 15867), (755, 15972), (764, 15984), (785, 16020), (803, 16059), (813, 16098), (844, 16197), (851, 16218), (862, 16251), (877, 16281), (886, 16311), (889, 16320), (891, 16326), (905, 16341), (906, 16344), (914, 16365), (916, 16368), (940, 16410), (947, 16440), (959, 16482), (960, 16488),

Gene: Gabriela_18 Start: 16989, Stop: 18722, Start Num: 165

Candidate Starts for Gabriela_18:

(Start: 165 @16989 has 28 MA's), (205, 17058), (274, 17199), (276, 17202), (306, 17247), (326, 17280), (329, 17289), (350, 17325), (379, 17379), (397, 17406), (405, 17418), (423, 17469), (425, 17475), (436, 17508), (500, 17661), (510, 17685), (512, 17694), (527, 17739), (533, 17754), (583, 17832), (626, 17952), (657, 18015), (691, 18087), (703, 18123), (783, 18243), (787, 18249), (794, 18261), (826, 18324), (854, 18411), (862, 18438), (890, 18507), (897, 18522), (905, 18534), (912, 18558), (944, 18636),

Gene: Gadost_27 Start: 19831, Stop: 21609, Start Num: 145

Candidate Starts for Gadost_27:

(Start: 128 @19807 has 10 MA's), (Start: 145 @19831 has 749 MA's), (Start: 191 @19888 has 1 MA's), (Start: 220 @19942 has 45 MA's), (233, 19957), (240, 19975), (297, 20059), (303, 20071), (304, 20074), (349, 20149), (361, 20164), (381, 20203), (434, 20320), (470, 20407), (504, 20488), (521, 20536), (528, 20560), (560, 20647), (587, 20692), (617, 20764), (623, 20785), (629, 20803), (675, 20884), (708, 20977), (710, 20986), (717, 21010), (720, 21016), (731, 21040), (779, 21094), (791, 21115), (808, 21166), (815, 21190), (833, 21244), (865, 21340), (905, 21445), (909, 21460), (954, 21568), (959, 21586),

Gene: Gaea_34 Start: 29484, Stop: 31247, Start Num: 107

Candidate Starts for Gaea_34:

(Start: 107 @29484 has 72 MA's), (Start: 126 @29520 has 1 MA's), (210, 29649), (216, 29658), (259, 29754), (265, 29763), (319, 29832), (349, 29883), (356, 29892), (376, 29928), (385, 29943), (397, 29961), (425, 30024), (440, 30069), (443, 30078), (495, 30198), (503, 30213), (506, 30222), (510, 30237), (520, 30267), (629, 30489), (644, 30507), (649, 30522), (674, 30564), (675, 30567), (686, 30594), (732, 30714), (798, 30807), (845, 30918), (846, 30921), (862, 30969), (875, 30996), (884, 31023), (905, 31077), (913, 31104),

Gene: Gage_26 Start: 19820, Stop: 21415, Start Num: 197

Candidate Starts for Gage_26:

(Start: 137 @19736 has 84 MA's), (Start: 197 @19820 has 47 MA's), (Start: 239 @19898 has 1 MA's), (272, 19985), (282, 20000), (301, 20048), (315, 20087), (363, 20174), (380, 20207), (404, 20243), (417, 20273), (418, 20279), (441, 20348), (483, 20378), (487, 20390), (488, 20393), (510, 20450), (587, 20582), (589, 20588), (617, 20654), (620, 20660), (626, 20684), (647, 20732), (659, 20756),

(665, 20765), (695, 20840), (761, 20891), (772, 20906), (833, 21068), (841, 21095), (851, 21125), (890, 21230), (938, 21308), (947, 21344), (950, 21353), (959, 21386), (965, 21401),

Gene: GageAP_29 Start: 21828, Stop: 23630, Start Num: 148

Candidate Starts for GageAP_29:

(Start: 148 @21828 has 202 MA's), (Start: 166 @21849 has 28 MA's), (Start: 191 @21891 has 1 MA's), (215, 21936), (349, 22152), (376, 22197), (381, 22206), (407, 22245), (425, 22296), (426, 22299), (507, 22494), (528, 22563), (616, 22764), (617, 22767), (623, 22788), (674, 22884), (675, 22887), (677, 22893), (701, 22962), (708, 22980), (710, 22989), (720, 23019), (779, 23115), (795, 23148), (802, 23163), (845, 23304), (865, 23361), (907, 23472), (966, 23625),

Gene: Gaia_16 Start: 15059, Stop: 16948, Start Num: 130

Candidate Starts for Gaia_16:

(Start: 130 @15059 has 38 MA's), (Start: 134 @15068 has 40 MA's), (151, 15089), (199, 15158), (210, 15176), (222, 15194), (244, 15248), (256, 15284), (261, 15299), (263, 15302), (291, 15362), (335, 15455), (357, 15500), (361, 15506), (364, 15512), (374, 15533), (382, 15545), (410, 15593), (423, 15632), (424, 15635), (425, 15638), (437, 15674), (443, 15692), (459, 15719), (463, 15728), (488, 15767), (493, 15785), (512, 15833), (526, 15875), (543, 15929), (544, 15935), (545, 15941), (557, 15971), (571, 16010), (573, 16019), (585, 16043), (587, 16049), (622, 16139), (627, 16154), (663, 16220), (675, 16250), (693, 16298), (700, 16322), (701, 16325), (710, 16352), (763, 16412), (775, 16433), (786, 16454), (806, 16502), (809, 16514), (824, 16559), (841, 16619), (877, 16715), (879, 16721), (886, 16745), (890, 16757), (895, 16766), (909, 16784), (938, 16835), (951, 16883), (953, 16892), (956, 16901), (958, 16910), (959, 16913), (971, 16940),

Gene: Gail_28 Start: 19405, Stop: 21204, Start Num: 145

Candidate Starts for Gail_28:

(Start: 143 @19402 has 53 MA's), (Start: 145 @19405 has 749 MA's), (Start: 239 @19540 has 1 MA's), (265, 19609), (304, 19642), (347, 19714), (349, 19717), (363, 19735), (385, 19777), (434, 19888), (440, 19906), (448, 19933), (451, 19942), (470, 19975), (501, 20050), (504, 20056), (507, 20059), (523, 20119), (562, 20221), (583, 20248), (609, 20308), (617, 20332), (629, 20371), (675, 20452), (753, 20650), (802, 20737), (804, 20743), (832, 20836), (905, 21040), (907, 21046),

Gene: Galactic_16 Start: 14803, Stop: 16512, Start Num: 132

Candidate Starts for Galactic_16:

(Start: 132 @14803 has 199 MA's), (198, 14890), (Start: 228 @14935 has 2 MA's), (237, 14959), (277, 15064), (282, 15070), (290, 15088), (301, 15118), (349, 15223), (383, 15283), (398, 15304), (404, 15313), (415, 15337), (481, 15463), (486, 15478), (488, 15484), (501, 15520), (503, 15523), (509, 15535), (510, 15541), (523, 15589), (530, 15601), (531, 15607), (586, 15667), (590, 15679), (606, 15715), (612, 15727), (644, 15802), (647, 15811), (656, 15829), (659, 15835), (671, 15865), (755, 15970), (761, 15979), (764, 15982), (785, 16018), (813, 16096), (844, 16195), (851, 16216), (862, 16249), (877, 16279), (886, 16309), (889, 16318), (891, 16324), (905, 16339), (906, 16342), (916, 16366), (935, 16396), (940, 16408), (947, 16438), (959, 16480),

Gene: Galadriel_35 Start: 31231, Stop: 32994, Start Num: 107

Candidate Starts for Galadriel_35:

(100, 31213), (Start: 107 @31231 has 72 MA's), (Start: 126 @31267 has 1 MA's), (216, 31405), (259, 31501), (265, 31510), (319, 31579), (349, 31630), (376, 31675), (385, 31690), (425, 31771), (440, 31816), (443, 31825), (487, 31915), (495, 31945), (503, 31960), (510, 31984), (520, 32014), (586, 32119), (629, 32236), (644, 32254), (649, 32269), (668, 32299), (674, 32311), (675, 32314), (686, 32341), (845, 32665), (846, 32668), (862, 32716), (875, 32743), (884, 32770), (905, 32824), (912, 32848), (913, 32851), (951, 32941), (966, 32989),

Gene: Gambino_21 Start: 16962, Stop: 18611, Start Num: 220

Candidate Starts for Gambino_21:

(196, 16926), (Start: 220 @16962 has 45 MA's), (Start: 228 @16971 has 2 MA's), (261, 17067), (295, 17145), (324, 17217), (337, 17244), (355, 17283), (404, 17364), (423, 17418), (510, 17604), (520, 17634), (585, 17733), (620, 17817), (626, 17841), (658, 17892), (695, 17985), (700, 17997), (738, 18042), (747, 18057), (809, 18189), (810, 18192), (841, 18291), (847, 18309), (865, 18360), (888, 18420), (890, 18426), (935, 18501),

Gene: Gancho_21 Start: 17127, Stop: 18869, Start Num: 143

Candidate Starts for Gancho_21:

(75, 16953), (Start: 143 @17127 has 53 MA's), (Start: 150 @17136 has 25 MA's), (202, 17217), (210, 17229), (226, 17253), (231, 17265), (Start: 239 @17286 has 1 MA's), (244, 17301), (273, 17379), (304, 17451), (345, 17541), (393, 17625), (400, 17634), (410, 17655), (432, 17721), (442, 17748), (462, 17781), (482, 17799), (488, 17817), (489, 17820), (493, 17835), (494, 17838), (520, 17904), (521, 17907), (542, 17973), (575, 17997), (613, 18084), (631, 18138), (660, 18183), (665, 18189), (675, 18216), (692, 18261), (750, 18354), (754, 18363), (808, 18441), (855, 18585), (860, 18603), (865, 18615), (873, 18630), (875, 18633), (882, 18654), (914, 18714), (934, 18747), (936, 18753), (938, 18756), (956, 18822), (971, 18861),

Gene: Gandalf20_28 Start: 21933, Stop: 23735, Start Num: 148

Candidate Starts for Gandalf20_28:

(Start: 148 @21933 has 202 MA's), (Start: 166 @21954 has 28 MA's), (Start: 191 @21996 has 1 MA's), (215, 22041), (349, 22257), (376, 22302), (381, 22311), (407, 22350), (425, 22401), (426, 22404), (507, 22599), (528, 22668), (616, 22869), (617, 22872), (623, 22893), (674, 22989), (675, 22992), (677, 22998), (701, 23067), (708, 23085), (710, 23094), (720, 23124), (779, 23220), (795, 23253), (802, 23268), (845, 23409), (865, 23466), (907, 23577),

Gene: Gandalph_16 Start: 14822, Stop: 16531, Start Num: 132

Candidate Starts for Gandalph_16:

(Start: 132 @14822 has 199 MA's), (198, 14909), (Start: 228 @14954 has 2 MA's), (237, 14978), (277, 15083), (282, 15089), (290, 15107), (301, 15137), (349, 15242), (379, 15296), (383, 15302), (389, 15311), (398, 15323), (404, 15332), (415, 15356), (425, 15392), (427, 15398), (431, 15410), (438, 15431), (439, 15434), (442, 15443), (459, 15458), (467, 15464), (481, 15482), (486, 15497), (488, 15503), (493, 15521), (494, 15524), (501, 15539), (503, 15542), (509, 15554), (510, 15560), (523, 15608), (530, 15620), (531, 15626), (586, 15686), (590, 15698), (606, 15734), (612, 15746), (620, 15767), (644, 15821), (647, 15830), (656, 15848), (659, 15854), (671, 15884), (755, 15989), (761, 15998), (764, 16001), (785, 16037), (803, 16076), (813, 16115), (844, 16214), (851, 16235), (862, 16268), (877, 16298), (886, 16328), (889, 16337), (891, 16343), (905, 16358), (906, 16361), (916, 16385), (935, 16415), (940, 16427), (947, 16457), (959, 16499),

Gene: Ganymede_24 Start: 17168, Stop: 18934, Start Num: 145

Candidate Starts for Ganymede_24:

(Start: 145 @17168 has 749 MA's), (Start: 170 @17198 has 1 MA's), (251, 17357), (261, 17390), (276, 17420), (291, 17453), (298, 17465), (338, 17555), (361, 17597), (404, 17669), (409, 17678), (422, 17717), (436, 17762), (443, 17783), (444, 17786), (482, 17840), (488, 17858), (504, 17900), (508, 17906), (516, 17933), (586, 18071), (593, 18089), (612, 18131), (619, 18149), (628, 18179), (647, 18206), (693, 18311), (797, 18470), (809, 18506), (823, 18545), (845, 18620), (862, 18671), (950, 18866), (960, 18905), (961, 18908), (971, 18926),

Gene: Garak_32 Start: 19977, Stop: 21749, Start Num: 145

Candidate Starts for Garak_32:

(103, 19911), (Start: 128 @19953 has 10 MA's), (Start: 145 @19977 has 749 MA's), (304, 20214), (347, 20286), (349, 20289), (361, 20304), (381, 20343), (385, 20349), (434, 20460), (436, 20466), (448, 20505), (470, 20547), (488, 20586), (504, 20628), (507, 20631), (560, 20787), (624, 20928),

(629, 20943), (720, 21156), (791, 21255), (802, 21282), (817, 21333), (821, 21342), (832, 21381), (833, 21384), (905, 21585), (907, 21591), (959, 21726),

Gene: Gardann_18 Start: 16994, Stop: 18727, Start Num: 165

Candidate Starts for Gardann_18:

(Start: 165 @16994 has 28 MA's), (205, 17063), (274, 17204), (276, 17207), (306, 17252), (326, 17285), (329, 17294), (350, 17330), (379, 17384), (397, 17411), (405, 17423), (423, 17474), (425, 17480), (436, 17513), (500, 17666), (510, 17690), (512, 17699), (527, 17744), (533, 17759), (583, 17837), (626, 17957), (657, 18020), (691, 18092), (703, 18128), (783, 18248), (787, 18254), (794, 18266), (826, 18329), (854, 18416), (862, 18443), (890, 18512), (897, 18527), (905, 18539), (912, 18563), (944, 18641),

Gene: GardenSalsa_32 Start: 22870, Stop: 24651, Start Num: 115

Candidate Starts for GardenSalsa_32:

(Start: 115 @22870 has 3 MA's), (Start: 124 @22885 has 2 MA's), (Start: 147 @22912 has 14 MA's), (202, 22990), (205, 22996), (215, 23014), (303, 23176), (306, 23185), (315, 23200), (366, 23287), (372, 23299), (376, 23308), (423, 23404), (427, 23416), (437, 23446), (438, 23449), (448, 23482), (504, 23611), (510, 23626), (516, 23644), (523, 23674), (609, 23836), (612, 23845), (616, 23857), (619, 23863), (661, 23962), (669, 23971), (674, 23980), (698, 24049), (757, 24142), (783, 24181), (787, 24187), (793, 24196), (936, 24541), (944, 24568), (946, 24574), (959, 24619),

Gene: Gator_22 Start: 19361, Stop: 21040, Start Num: 137

Candidate Starts for Gator_22:

(Start: 137 @19361 has 84 MA's), (Start: 197 @19445 has 47 MA's), (Start: 239 @19523 has 1 MA's), (272, 19610), (282, 19625), (301, 19673), (315, 19712), (363, 19799), (380, 19832), (404, 19868), (417, 19898), (418, 19904), (441, 19973), (483, 20003), (487, 20015), (488, 20018), (510, 20075), (587, 20207), (589, 20213), (617, 20279), (620, 20285), (626, 20309), (647, 20357), (659, 20381), (665, 20390), (695, 20465), (761, 20516), (772, 20531), (833, 20693), (841, 20720), (851, 20750), (890, 20855), (938, 20933), (947, 20969), (950, 20978), (959, 21011), (965, 21026),

Gene: Gattaca_49 Start: 26580, Stop: 28292, Start Num: 166

Candidate Starts for Gattaca_49:

(120, 26517), (Start: 166 @26580 has 28 MA's), (211, 26661), (246, 26718), (276, 26799), (281, 26805), (317, 26862), (323, 26874), (329, 26886), (352, 26925), (363, 26940), (403, 27009), (423, 27063), (426, 27072), (491, 27228), (510, 27276), (512, 27285), (516, 27294), (528, 27333), (535, 27348), (583, 27411), (587, 27423), (629, 27540), (631, 27543), (657, 27594), (673, 27621), (675, 27624), (682, 27645), (698, 27687), (777, 27807), (787, 27825), (847, 27969), (862, 28014), (871, 28032), (904, 28116), (907, 28125), (912, 28143), (925, 28164), (944, 28209), (946, 28215), (950, 28227), (953, 28239), (959, 28260), (965, 28275), (969, 28281),

Gene: GaugeLDP_30 Start: 21466, Stop: 23238, Start Num: 145

Candidate Starts for GaugeLDP_30:

(Start: 128 @21442 has 10 MA's), (Start: 145 @21466 has 749 MA's), (Start: 239 @21601 has 1 MA's), (303, 21700), (304, 21703), (349, 21778), (363, 21796), (381, 21832), (385, 21838), (415, 21889), (434, 21949), (448, 21994), (470, 22036), (494, 22096), (504, 22117), (507, 22120), (560, 22276), (616, 22390), (617, 22393), (675, 22513), (717, 22639), (720, 22645), (785, 22735), (791, 22744), (802, 22771), (808, 22795), (832, 22870), (833, 22873), (836, 22885), (865, 22969), (896, 23050), (905, 23074), (907, 23080), (935, 23134), (959, 23215),

Gene: GemG_17 Start: 14758, Stop: 16467, Start Num: 269

Candidate Starts for GemG_17:

(Start: 269 @14758 has 31 MA's), (324, 14875), (405, 15025), (424, 15064), (429, 15079), (452, 15148), (459, 15160), (489, 15238), (490, 15241), (532, 15373), (547, 15427), (581, 15508), (605,

15568), (608, 15574), (610, 15580), (649, 15661), (671, 15697), (688, 15733), (694, 15751), (707, 15790), (731, 15862), (745, 15886), (841, 16120), (846, 16135), (860, 16177), (893, 16270), (894, 16273), (918, 16321), (932, 16351),

Gene: Gemini_27 Start: 20253, Stop: 21932, Start Num: 137

Candidate Starts for Gemini_27:

(Start: 137 @20253 has 84 MA's), (Start: 197 @20337 has 47 MA's), (Start: 239 @20415 has 1 MA's), (272, 20502), (282, 20517), (301, 20565), (315, 20604), (363, 20691), (380, 20724), (404, 20760), (417, 20790), (418, 20796), (441, 20865), (483, 20895), (487, 20907), (488, 20910), (510, 20967), (587, 21099), (589, 21105), (617, 21171), (620, 21177), (626, 21201), (647, 21249), (659, 21273), (665, 21282), (695, 21357), (761, 21408), (772, 21423), (833, 21585), (841, 21612), (851, 21642), (890, 21747), (938, 21825), (947, 21861), (950, 21870), (959, 21903), (965, 21918),

Gene: Gemma_29 Start: 20456, Stop: 22252, Start Num: 145

Candidate Starts for Gemma_29:

(Start: 145 @20456 has 749 MA's), (Start: 191 @20513 has 1 MA's), (199, 20528), (233, 20582), (Start: 239 @20597 has 1 MA's), (297, 20684), (303, 20696), (304, 20699), (349, 20774), (361, 20789), (470, 21032), (528, 21185), (560, 21272), (609, 21365), (616, 21386), (623, 21410), (627, 21422), (629, 21428), (675, 21509), (701, 21584), (708, 21602), (710, 21611), (717, 21635), (720, 21641), (729, 21656), (739, 21680), (777, 21734), (779, 21737), (791, 21758), (905, 22088), (907, 22094), (959, 22229),

Gene: GenevaB15_32 Start: 22915, Stop: 24696, Start Num: 115

Candidate Starts for GenevaB15_32:

(Start: 115 @22915 has 3 MA's), (Start: 124 @22930 has 2 MA's), (Start: 147 @22957 has 14 MA's), (202, 23035), (205, 23041), (215, 23059), (303, 23221), (306, 23230), (315, 23245), (366, 23332), (372, 23344), (376, 23353), (423, 23449), (427, 23461), (437, 23491), (438, 23494), (448, 23527), (504, 23656), (510, 23671), (516, 23689), (609, 23881), (612, 23890), (616, 23902), (619, 23908), (661, 24007), (669, 24016), (674, 24025), (698, 24094), (729, 24172), (757, 24187), (783, 24226), (787, 24232), (936, 24586), (944, 24613), (946, 24619),

Gene: Gengar_21 Start: 17520, Stop: 19292, Start Num: 150

Candidate Starts for Gengar_21:

(Start: 150 @17520 has 25 MA's), (155, 17526), (172, 17550), (Start: 193 @17583 has 1 MA's), (222, 17631), (244, 17685), (261, 17736), (291, 17799), (341, 17907), (404, 18015), (443, 18129), (444, 18132), (465, 18171), (482, 18186), (486, 18198), (488, 18204), (504, 18246), (508, 18252), (520, 18291), (527, 18315), (586, 18417), (613, 18480), (627, 18525), (693, 18660), (754, 18759), (802, 18837), (808, 18861), (814, 18882), (845, 18978), (847, 18984), (914, 19137), (955, 19242), (956, 19245), (960, 19263),

Gene: Geodirt_32 Start: 30217, Stop: 31980, Start Num: 107

Candidate Starts for Geodirt_32:

(100, 30199), (Start: 107 @30217 has 72 MA's), (Start: 126 @30253 has 1 MA's), (216, 30391), (259, 30487), (265, 30496), (319, 30565), (349, 30616), (376, 30661), (385, 30676), (425, 30757), (440, 30802), (443, 30811), (487, 30901), (495, 30931), (503, 30946), (510, 30970), (520, 31000), (586, 31105), (629, 31222), (644, 31240), (649, 31255), (668, 31285), (674, 31297), (675, 31300), (686, 31327), (845, 31651), (846, 31654), (862, 31702), (875, 31729), (884, 31756), (905, 31810), (913, 31837), (966, 31975),

Gene: George_23 Start: 19658, Stop: 21454, Start Num: 145

Candidate Starts for George_23:

(Start: 145 @19658 has 749 MA's), (Start: 220 @19763 has 45 MA's), (240, 19796), (304, 19895), (349, 19970), (361, 19985), (379, 20021), (419, 20093), (423, 20108), (436, 20147), (445, 20174),

(451, 20195), (476, 20234), (516, 20342), (523, 20372), (527, 20378), (587, 20513), (612, 20570), (613, 20573), (616, 20582), (629, 20624), (637, 20642), (674, 20702), (675, 20705), (708, 20798), (710, 20807), (717, 20831), (777, 20939), (795, 20975), (865, 21185), (904, 21287), (907, 21296), (953, 21410), (959, 21431), (961, 21440),

Gene: Georgie2_29 Start: 20109, Stop: 21881, Start Num: 145

Candidate Starts for Georgie2_29:

(103, 20043), (Start: 128 @20085 has 10 MA's), (Start: 145 @20109 has 749 MA's), (216, 20208), (256, 20292), (303, 20343), (304, 20346), (347, 20418), (349, 20421), (381, 20475), (407, 20514), (423, 20559), (434, 20592), (470, 20679), (504, 20760), (507, 20763), (617, 21036), (675, 21156), (717, 21282), (757, 21336), (795, 21399), (802, 21414), (804, 21420), (821, 21474), (832, 21513), (836, 21528), (865, 21612), (907, 21723), (959, 21858),

Gene: Geraldini_23 Start: 17164, Stop: 18930, Start Num: 145

Candidate Starts for Geraldini_23:

(Start: 145 @17164 has 749 MA's), (Start: 170 @17194 has 1 MA's), (251, 17353), (261, 17386), (276, 17416), (291, 17449), (298, 17461), (338, 17551), (361, 17593), (404, 17665), (409, 17674), (422, 17713), (436, 17758), (443, 17779), (444, 17782), (482, 17836), (488, 17854), (504, 17896), (508, 17902), (516, 17929), (586, 18067), (593, 18085), (612, 18127), (619, 18145), (628, 18175), (647, 18202), (693, 18307), (797, 18466), (809, 18502), (823, 18541), (845, 18616), (862, 18667), (950, 18862), (960, 18901), (961, 18904), (971, 18922),

Gene: Geralt_16 Start: 14805, Stop: 16514, Start Num: 132

Candidate Starts for Geralt_16:

(Start: 132 @14805 has 199 MA's), (198, 14892), (Start: 228 @14937 has 2 MA's), (237, 14961), (277, 15066), (282, 15072), (290, 15090), (301, 15120), (349, 15225), (383, 15285), (398, 15306), (404, 15315), (415, 15339), (481, 15465), (486, 15480), (488, 15486), (501, 15522), (503, 15525), (509, 15537), (510, 15543), (523, 15591), (530, 15603), (531, 15609), (586, 15669), (590, 15681), (606, 15717), (612, 15729), (644, 15804), (647, 15813), (656, 15831), (659, 15837), (671, 15867), (755, 15972), (761, 15981), (764, 15984), (785, 16020), (813, 16098), (844, 16197), (851, 16218), (862, 16251), (877, 16281), (886, 16311), (889, 16320), (891, 16326), (905, 16341), (906, 16344), (916, 16368), (935, 16398), (940, 16410), (947, 16440), (959, 16482),

Gene: Getalong_21 Start: 17225, Stop: 18922, Start Num: 145

Candidate Starts for Getalong_21:

(Start: 121 @17186 has 1 MA's), (Start: 145 @17225 has 749 MA's), (Start: 156 @17237 has 4 MA's), (158, 17240), (182, 17276), (205, 17315), (216, 17336), (241, 17378), (244, 17384), (245, 17387), (250, 17399), (261, 17435), (303, 17471), (329, 17528), (360, 17576), (375, 17603), (425, 17705), (438, 17744), (463, 17801), (469, 17819), (478, 17828), (481, 17834), (495, 17882), (508, 17912), (519, 17948), (521, 17954), (527, 17975), (528, 17978), (549, 18029), (583, 18056), (584, 18059), (594, 18086), (606, 18113), (632, 18185), (655, 18224), (687, 18278), (710, 18350), (730, 18395), (796, 18485), (804, 18503), (841, 18587), (844, 18596), (845, 18599), (847, 18605), (853, 18620), (863, 18650), (866, 18656), (875, 18677), (877, 18680), (894, 18734), (907, 18764), (909, 18773), (937, 18824), (947, 18857), (951, 18869), (956, 18887),

Gene: Gex_18 Start: 14985, Stop: 16694, Start Num: 134

Candidate Starts for Gex_18:

(Start: 134 @14985 has 40 MA's), (161, 15012), (Start: 228 @15117 has 2 MA's), (232, 15129), (245, 15165), (263, 15216), (277, 15246), (282, 15252), (294, 15279), (296, 15285), (349, 15405), (379, 15459), (383, 15465), (395, 15483), (404, 15495), (406, 15498), (415, 15519), (427, 15561), (438, 15594), (481, 15645), (486, 15660), (501, 15702), (509, 15717), (510, 15723), (523, 15771), (535, 15795), (554, 15825), (586, 15849), (612, 15909), (616, 15921), (636, 15975), (644, 15984), (670, 16044), (671, 16047), (755, 16152), (761, 16161), (785, 16200), (832, 16338), (885, 16488), (886,

16491), (889, 16500), (905, 16521), (916, 16548), (938, 16584), (965, 16677),

Gene: Gezellig_32 Start: 25951, Stop: 27759, Start Num: 90

Candidate Starts for Gezellig_32:

(90, 25951), (Start: 107 @25993 has 72 MA's), (Start: 126 @26029 has 1 MA's), (Start: 150 @26062 has 25 MA's), (263, 26272), (265, 26275), (303, 26305), (333, 26371), (349, 26395), (356, 26404), (375, 26437), (443, 26590), (463, 26629), (487, 26680), (491, 26692), (495, 26710), (501, 26722), (506, 26734), (510, 26749), (520, 26779), (521, 26782), (527, 26803), (583, 26875), (602, 26923), (649, 27034), (669, 27067), (686, 27106), (687, 27109), (710, 27181), (753, 27247), (759, 27259), (845, 27430), (846, 27433), (862, 27481), (875, 27508), (884, 27535), (905, 27589), (951, 27706), (957, 27727), (966, 27754),

Gene: Ghobes_16 Start: 14348, Stop: 15952, Start Num: 220

Candidate Starts for Ghobes_16:

(70, 14042), (200, 14321), (Start: 220 @14348 has 45 MA's), (322, 14603), (324, 14606), (327, 14609), (337, 14633), (339, 14639), (362, 14681), (370, 14699), (429, 14825), (469, 14903), (485, 14927), (486, 14930), (487, 14933), (510, 14993), (576, 15104), (578, 15107), (602, 15164), (617, 15203), (620, 15209), (626, 15233), (700, 15389), (710, 15419), (847, 15650), (858, 15683), (882, 15743), (890, 15767), (961, 15935), (965, 15941),

Gene: Ghoulboy_24 Start: 19904, Stop: 21703, Start Num: 145

Candidate Starts for Ghoulboy_24:

(Start: 145 @19904 has 749 MA's), (240, 20042), (304, 20141), (349, 20216), (379, 20267), (419, 20339), (423, 20354), (434, 20387), (436, 20393), (478, 20486), (516, 20588), (523, 20618), (527, 20624), (560, 20714), (582, 20744), (616, 20828), (617, 20831), (629, 20870), (637, 20888), (674, 20948), (675, 20951), (708, 21044), (777, 21185), (798, 21227), (907, 21545), (959, 21680), (961, 21689),

Gene: GiKK_21 Start: 15090, Stop: 16778, Start Num: 145

Candidate Starts for GiKK_21:

(38, 14670), (Start: 121 @15060 has 1 MA's), (Start: 135 @15087 has 8 MA's), (Start: 145 @15090 has 749 MA's), (Start: 239 @15231 has 1 MA's), (303, 15330), (323, 15375), (423, 15558), (433, 15588), (447, 15630), (463, 15660), (481, 15690), (485, 15702), (486, 15705), (516, 15795), (538, 15861), (541, 15876), (582, 15912), (587, 15927), (594, 15945), (612, 15984), (614, 15990), (648, 16074), (671, 16110), (674, 16113), (675, 16116), (680, 16131), (689, 16149), (690, 16152), (708, 16206), (796, 16335), (802, 16347), (806, 16362), (818, 16374), (844, 16446), (845, 16449), (846, 16452), (881, 16548), (907, 16617), (909, 16626), (956, 16743), (961, 16764), (965, 16770),

Gene: Gibbous_18 Start: 15938, Stop: 17629, Start Num: 145

Candidate Starts for Gibbous_18:

(Start: 145 @15938 has 749 MA's), (Start: 220 @16052 has 45 MA's), (240, 16085), (360, 16286), (379, 16322), (423, 16409), (463, 16511), (481, 16544), (485, 16556), (486, 16559), (506, 16616), (516, 16649), (521, 16664), (530, 16691), (541, 16730), (582, 16766), (584, 16772), (606, 16826), (616, 16850), (628, 16889), (631, 16895), (674, 16967), (680, 16985), (686, 16994), (689, 17003), (708, 17060), (712, 17078), (796, 17189), (802, 17201), (806, 17216), (818, 17228), (844, 17300), (845, 17303), (881, 17399), (890, 17426), (902, 17450), (907, 17468),

Gene: Gideon_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Gideon_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687,

17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: GigiOuiOui_16 Start: 14934, Stop: 16643, Start Num: 132

Candidate Starts for GigiOuiOui_16:

(Start: 132 @14934 has 199 MA's), (198, 15021), (210, 15042), (Start: 228 @15066 has 2 MA's), (237, 15090), (277, 15195), (282, 15201), (290, 15219), (301, 15249), (349, 15354), (379, 15408), (383, 15414), (389, 15423), (404, 15444), (415, 15468), (425, 15504), (427, 15510), (438, 15543), (439, 15546), (442, 15555), (459, 15570), (467, 15576), (481, 15594), (486, 15609), (488, 15615), (493, 15633), (494, 15636), (501, 15651), (509, 15666), (510, 15672), (523, 15720), (530, 15732), (531, 15738), (586, 15798), (590, 15810), (606, 15846), (612, 15858), (644, 15933), (647, 15942), (656, 15960), (659, 15966), (671, 15996), (755, 16101), (764, 16113), (785, 16149), (813, 16227), (851, 16347), (862, 16380), (877, 16410), (880, 16422), (886, 16440), (888, 16446), (889, 16449), (891, 16455), (905, 16470), (906, 16473), (914, 16494), (916, 16497), (940, 16539), (947, 16569), (959, 16611), (960, 16617),

Gene: Gilberta_28 Start: 20746, Stop: 22545, Start Num: 145

Candidate Starts for Gilberta_28:

(103, 20680), (Start: 128 @20722 has 10 MA's), (Start: 145 @20746 has 749 MA's), (185, 20788), (240, 20884), (246, 20899), (303, 20980), (304, 20983), (347, 21055), (349, 21058), (361, 21073), (381, 21112), (385, 21118), (434, 21229), (436, 21235), (470, 21316), (507, 21400), (551, 21526), (558, 21544), (574, 21571), (629, 21712), (668, 21778), (674, 21790), (675, 21793), (749, 21982), (765, 22009), (773, 22018), (783, 22039), (785, 22042), (795, 22063), (802, 22078), (808, 22102), (832, 22177), (836, 22192), (865, 22276), (905, 22381), (907, 22387), (935, 22441), (966, 22540),

Gene: Giles_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for Giles_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: GingkoMaracino_29 Start: 20265, Stop: 22061, Start Num: 145

Candidate Starts for GingkoMaracino_29:

(Start: 145 @20265 has 749 MA's), (Start: 191 @20322 has 1 MA's), (199, 20337), (216, 20370), (233, 20391), (Start: 239 @20406 has 1 MA's), (297, 20493), (303, 20505), (304, 20508), (349, 20583), (361, 20598), (379, 20634), (470, 20841), (516, 20955), (528, 20994), (560, 21081), (616, 21195), (623, 21219), (629, 21237), (675, 21318), (701, 21393), (708, 21411), (717, 21444), (720, 21450), (739, 21489), (777, 21543), (779, 21546), (791, 21567), (810, 21624), (865, 21792), (905, 21897), (907, 21903), (959, 22038),

Gene: Girafales_17 Start: 14636, Stop: 16345, Start Num: 132

Candidate Starts for Girafales_17:

(Start: 132 @14636 has 199 MA's), (198, 14723), (Start: 228 @14768 has 2 MA's), (237, 14792), (277, 14897), (282, 14903), (290, 14921), (301, 14951), (349, 15056), (383, 15116), (398, 15137), (404, 15146), (415, 15170), (481, 15296), (486, 15311), (488, 15317), (493, 15335), (494, 15338), (501, 15353), (503, 15356), (509, 15368), (510, 15374), (512, 15383), (523, 15422), (530, 15434), (531, 15440), (586, 15500), (606, 15548), (612, 15560), (644, 15635), (647, 15644), (656, 15662), (659,

15668), (671, 15698), (755, 15803), (764, 15815), (785, 15851), (813, 15929), (844, 16028), (851, 16049), (862, 16082), (877, 16112), (886, 16142), (889, 16151), (891, 16157), (905, 16172), (906, 16175), (914, 16196), (916, 16199), (940, 16241), (947, 16271), (959, 16313),

Gene: Giroux_27 Start: 19904, Stop: 21700, Start Num: 145

Candidate Starts for Giroux_27:

(Start: 145 @19904 has 749 MA's), (Start: 191 @19961 has 1 MA's), (233, 20030), (297, 20132), (303, 20144), (304, 20147), (349, 20222), (361, 20237), (381, 20276), (440, 20411), (470, 20480), (516, 20594), (560, 20720), (616, 20834), (623, 20858), (629, 20876), (675, 20957), (701, 21032), (708, 21050), (710, 21059), (717, 21083), (720, 21089), (729, 21104), (749, 21137), (777, 21182), (779, 21185), (791, 21206), (795, 21218), (798, 21224), (815, 21281), (865, 21431), (877, 21455), (905, 21536), (907, 21542), (959, 21677),

Gene: Girr_16 Start: 14774, Stop: 16483, Start Num: 132

Candidate Starts for Girr_16:

(Start: 132 @14774 has 199 MA's), (198, 14861), (Start: 228 @14906 has 2 MA's), (237, 14930), (277, 15035), (282, 15041), (290, 15059), (301, 15089), (349, 15194), (379, 15248), (383, 15254), (389, 15263), (398, 15275), (404, 15284), (415, 15308), (425, 15344), (427, 15350), (431, 15362), (438, 15383), (439, 15386), (442, 15395), (459, 15410), (467, 15416), (481, 15434), (486, 15449), (488, 15455), (493, 15473), (494, 15476), (501, 15491), (509, 15506), (510, 15512), (520, 15542), (523, 15560), (530, 15572), (531, 15578), (586, 15638), (590, 15650), (606, 15686), (612, 15698), (620, 15719), (644, 15773), (647, 15782), (659, 15806), (671, 15836), (755, 15941), (764, 15953), (785, 15989), (803, 16028), (813, 16067), (844, 16166), (851, 16187), (862, 16220), (877, 16250), (886, 16280), (889, 16289), (891, 16295), (905, 16310), (906, 16313), (914, 16334), (916, 16337), (940, 16379), (947, 16409), (959, 16451), (960, 16457),

Gene: Gizermo_17 Start: 14758, Stop: 16467, Start Num: 269

Candidate Starts for Gizermo_17:

(Start: 269 @14758 has 31 MA's), (324, 14875), (405, 15025), (424, 15064), (429, 15079), (452, 15148), (459, 15160), (489, 15238), (490, 15241), (532, 15373), (547, 15427), (581, 15508), (605, 15568), (608, 15574), (610, 15580), (649, 15661), (671, 15697), (688, 15733), (694, 15751), (707, 15790), (731, 15862), (745, 15886), (841, 16120), (846, 16135), (860, 16177), (893, 16270), (894, 16273), (918, 16321), (932, 16351),

Gene: Gladiator_31 Start: 19963, Stop: 21735, Start Num: 145

Candidate Starts for Gladiator_31:

(103, 19897), (Start: 128 @19939 has 10 MA's), (Start: 145 @19963 has 749 MA's), (304, 20200), (347, 20272), (349, 20275), (361, 20290), (381, 20329), (385, 20335), (434, 20446), (436, 20452), (448, 20491), (470, 20533), (488, 20572), (504, 20614), (507, 20617), (560, 20773), (624, 20914), (629, 20929), (720, 21142), (791, 21241), (802, 21268), (817, 21319), (821, 21328), (832, 21367), (833, 21370), (865, 21466), (905, 21571), (907, 21577), (959, 21712),

Gene: Glaske_19 Start: 16273, Stop: 18009, Start Num: 129

Candidate Starts for Glaske_19:

(Start: 114 @16249 has 2 MA's), (Start: 129 @16273 has 45 MA's), (174, 16333), (185, 16354), (Start: 187 @16357 has 15 MA's), (250, 16477), (263, 16516), (279, 16549), (291, 16573), (341, 16693), (363, 16732), (365, 16738), (411, 16822), (415, 16828), (418, 16840), (425, 16864), (434, 16891), (441, 16909), (470, 16948), (481, 16954), (489, 16978), (510, 17032), (513, 17044), (517, 17053), (537, 17113), (595, 17191), (612, 17230), (622, 17263), (647, 17329), (659, 17353), (669, 17377), (686, 17407), (782, 17521), (788, 17533), (794, 17542), (796, 17551), (830, 17659), (858, 17743), (898, 17842), (950, 17950), (965, 17998),

Gene: Glaske16_29 Start: 22367, Stop: 24103, Start Num: 147

Candidate Starts for Glaske16_29:

(66, 22145), (Start: 115 @22325 has 3 MA's), (Start: 124 @22340 has 2 MA's), (Start: 147 @22367 has 14 MA's), (Start: 166 @22382 has 28 MA's), (189, 22421), (205, 22451), (207, 22457), (215, 22469), (271, 22574), (274, 22589), (303, 22628), (372, 22751), (376, 22760), (423, 22856), (437, 22898), (438, 22901), (510, 23078), (552, 23189), (583, 23216), (609, 23288), (612, 23297), (613, 23300), (617, 23312), (674, 23432), (675, 23435), (691, 23477), (700, 23507), (703, 23513), (783, 23633), (787, 23639), (936, 23993), (944, 24020), (950, 24038), (952, 24047),

Gene: Glexan_22 Start: 19446, Stop: 21041, Start Num: 197

Candidate Starts for Glexan_22:

(Start: 137 @19362 has 84 MA's), (Start: 197 @19446 has 47 MA's), (Start: 239 @19524 has 1 MA's), (272, 19611), (282, 19626), (301, 19674), (315, 19713), (363, 19800), (380, 19833), (404, 19869), (417, 19899), (418, 19905), (441, 19974), (483, 20004), (487, 20016), (488, 20019), (510, 20076), (587, 20208), (589, 20214), (617, 20280), (620, 20286), (626, 20310), (647, 20358), (659, 20382), (665, 20391), (695, 20466), (761, 20517), (772, 20532), (833, 20694), (841, 20721), (851, 20751), (890, 20856), (938, 20934), (947, 20970), (950, 20979), (959, 21012), (965, 21027),

Gene: GodonK_89 Start: 52336, Stop: 53952, Start Num: 192

Candidate Starts for GodonK_89:

(Start: 192 @52336 has 10 MA's), (Start: 197 @52342 has 47 MA's), (Start: 239 @52426 has 1 MA's), (263, 52495), (279, 52525), (282, 52528), (295, 52558), (308, 52597), (402, 52768), (413, 52792), (419, 52810), (424, 52828), (434, 52858), (487, 52924), (488, 52927), (500, 52960), (521, 53017), (523, 53032), (525, 53035), (527, 53038), (585, 53110), (590, 53125), (600, 53140), (606, 53161), (613, 53176), (676, 53320), (686, 53341), (691, 53356), (768, 53434), (783, 53461), (787, 53467), (809, 53527), (824, 53572), (841, 53629), (844, 53638), (851, 53659), (909, 53797), (914, 53806),

Gene: Goku_24 Start: 19460, Stop: 21139, Start Num: 137

Candidate Starts for Goku_24:

(Start: 137 @19460 has 84 MA's), (Start: 197 @19544 has 47 MA's), (Start: 239 @19622 has 1 MA's), (272, 19709), (282, 19724), (301, 19772), (315, 19811), (363, 19898), (380, 19931), (404, 19967), (417, 19997), (418, 20003), (441, 20072), (483, 20102), (487, 20114), (488, 20117), (510, 20174), (587, 20306), (589, 20312), (617, 20378), (620, 20384), (626, 20408), (647, 20456), (659, 20480), (665, 20489), (695, 20564), (761, 20615), (772, 20630), (833, 20792), (841, 20819), (851, 20849), (890, 20954), (938, 21032), (947, 21068), (950, 21077), (959, 21110), (965, 21125),

Gene: GoldHunter_19 Start: 15730, Stop: 17430, Start Num: 135

Candidate Starts for GoldHunter_19:

(Start: 135 @15730 has 8 MA's), (Start: 145 @15733 has 749 MA's), (263, 15943), (349, 16066), (379, 16117), (423, 16204), (426, 16213), (433, 16234), (438, 16249), (442, 16261), (481, 16339), (485, 16351), (493, 16378), (506, 16411), (516, 16444), (520, 16456), (535, 16498), (606, 16621), (632, 16693), (675, 16771), (680, 16786), (689, 16804), (708, 16861), (779, 16954), (796, 16990), (802, 17002), (804, 17008), (807, 17020), (818, 17029), (844, 17101), (845, 17104), (847, 17110), (851, 17122), (875, 17182), (890, 17227), (893, 17236), (907, 17269), (940, 17335),

Gene: GoldenAsh_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for GoldenAsh_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: GoldenSpark_26 Start: 19736, Stop: 21415, Start Num: 137

Candidate Starts for GoldenSpark_26:

(Start: 137 @19736 has 84 MA's), (Start: 197 @19820 has 47 MA's), (Start: 239 @19898 has 1 MA's), (272, 19985), (282, 20000), (301, 20048), (315, 20087), (363, 20174), (380, 20207), (404, 20243), (417, 20273), (418, 20279), (441, 20348), (483, 20378), (487, 20390), (488, 20393), (510, 20450), (587, 20582), (589, 20588), (617, 20654), (620, 20660), (626, 20684), (647, 20732), (659, 20756), (665, 20765), (695, 20840), (761, 20891), (772, 20906), (833, 21068), (841, 21095), (851, 21125), (890, 21230), (938, 21308), (947, 21344), (950, 21353), (959, 21386), (965, 21401),

Gene: Goldilocks_25 Start: 19156, Stop: 20835, Start Num: 137

Candidate Starts for Goldilocks_25:

(Start: 137 @19156 has 84 MA's), (Start: 197 @19240 has 47 MA's), (Start: 239 @19318 has 1 MA's), (272, 19405), (282, 19420), (301, 19468), (315, 19507), (363, 19594), (380, 19627), (404, 19663), (417, 19693), (418, 19699), (441, 19768), (483, 19798), (487, 19810), (488, 19813), (510, 19870), (587, 20002), (589, 20008), (617, 20074), (620, 20080), (626, 20104), (647, 20152), (659, 20176), (665, 20185), (695, 20260), (761, 20311), (772, 20326), (833, 20488), (841, 20515), (851, 20545), (890, 20650), (938, 20728), (947, 20764), (950, 20773), (959, 20806), (965, 20821),

Gene: Gollum_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for Gollum_23:

(Start: 162 @16334 has 3 MA's), (Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (261, 16526), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (478, 16904), (481, 16910), (486, 16925), (487, 16928), (507, 16976), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: Gomashi_18 Start: 16650, Stop: 18404, Start Num: 164

Candidate Starts for Gomashi_18:

(Start: 138 @16641 has 25 MA's), (Start: 164 @16650 has 42 MA's), (Start: 168 @16656 has 2 MA's), (172, 16662), (244, 16794), (261, 16845), (276, 16875), (Start: 288 @16899 has 1 MA's), (335, 17001), (353, 17040), (357, 17046), (365, 17061), (392, 17106), (439, 17226), (466, 17283), (488, 17322), (508, 17370), (516, 17397), (520, 17409), (548, 17490), (586, 17535), (675, 17733), (687, 17763), (693, 17781), (701, 17808), (760, 17892), (778, 17910), (792, 17925), (808, 17973), (812, 17988), (833, 18051), (851, 18108), (865, 18147), (882, 18189), (909, 18240), (950, 18336), (971, 18396),

Gene: Gompeii16_27 Start: 21590, Stop: 23392, Start Num: 148

Candidate Starts for Gompeii16_27:

(Start: 148 @21590 has 202 MA's), (Start: 166 @21611 has 28 MA's), (Start: 191 @21653 has 1 MA's), (215, 21698), (349, 21914), (376, 21959), (381, 21968), (425, 22058), (426, 22061), (434, 22085), (507, 22256), (528, 22325), (616, 22526), (617, 22529), (623, 22550), (674, 22646), (675, 22649), (677, 22655), (701, 22724), (708, 22742), (710, 22751), (720, 22781), (779, 22877), (795, 22910), (802, 22925), (845, 23066), (865, 23123), (907, 23234),

Gene: Gonephishing_32 Start: 25229, Stop: 26962, Start Num: 133

Candidate Starts for Gonephishing_32:

(Start: 133 @25229 has 29 MA's), (Start: 197 @25319 has 47 MA's), (198, 25322), (247, 25424), (272, 25490), (291, 25526), (302, 25556), (307, 25571), (345, 25655), (365, 25691), (380, 25718), (406, 25757), (418, 25790), (421, 25799), (439, 25856), (469, 25898), (507, 25973), (510, 25985), (530, 26045), (531, 26051), (573, 26099), (587, 26129), (595, 26147), (601, 26156), (613, 26189), (617, 26201), (620, 26207), (632, 26246), (659, 26303), (772, 26453), (782, 26471), (802, 26513), (808, 26537), (809, 26540), (813, 26555), (824, 26585), (833, 26615), (851, 26672), (919, 26822), (965,

26948),

Gene: GooberAzure_26 Start: 19736, Stop: 21415, Start Num: 137

Candidate Starts for GooberAzure_26:

(Start: 137 @19736 has 84 MA's), (Start: 197 @19820 has 47 MA's), (Start: 239 @19898 has 1 MA's), (272, 19985), (282, 20000), (301, 20048), (315, 20087), (363, 20174), (380, 20207), (404, 20243), (417, 20273), (418, 20279), (441, 20348), (483, 20378), (487, 20390), (488, 20393), (510, 20450), (587, 20582), (589, 20588), (617, 20654), (620, 20660), (626, 20684), (647, 20732), (659, 20756), (665, 20765), (695, 20840), (761, 20891), (772, 20906), (833, 21068), (841, 21095), (851, 21125), (890, 21230), (938, 21308), (947, 21344), (950, 21353), (959, 21386), (965, 21401),

Gene: Goose_27 Start: 19786, Stop: 21564, Start Num: 145

Candidate Starts for Goose_27:

(Start: 128 @19762 has 10 MA's), (Start: 145 @19786 has 749 MA's), (Start: 191 @19843 has 1 MA's), (199, 19858), (233, 19912), (297, 20014), (303, 20026), (304, 20029), (349, 20104), (361, 20119), (381, 20158), (434, 20275), (440, 20293), (470, 20362), (501, 20437), (516, 20476), (528, 20515), (560, 20602), (582, 20632), (587, 20647), (609, 20695), (623, 20740), (627, 20752), (629, 20758), (674, 20836), (675, 20839), (708, 20932), (710, 20941), (717, 20965), (720, 20971), (729, 20986), (757, 21019), (791, 21070), (798, 21088), (810, 21127), (811, 21133), (845, 21238), (865, 21295), (877, 21319), (879, 21325), (905, 21400), (907, 21406), (909, 21415), (959, 21541),

Gene: Gorge_16 Start: 14790, Stop: 16499, Start Num: 132

Candidate Starts for Gorge_16:

(Start: 132 @14790 has 199 MA's), (Start: 228 @14922 has 2 MA's), (237, 14946), (256, 15003), (277, 15051), (282, 15057), (290, 15075), (301, 15105), (349, 15210), (379, 15264), (383, 15270), (389, 15279), (404, 15300), (415, 15324), (425, 15360), (427, 15366), (438, 15399), (439, 15402), (442, 15411), (459, 15426), (467, 15432), (481, 15450), (486, 15465), (488, 15471), (493, 15489), (494, 15492), (501, 15507), (509, 15522), (510, 15528), (523, 15576), (530, 15588), (531, 15594), (535, 15600), (586, 15654), (590, 15666), (606, 15702), (612, 15714), (644, 15789), (647, 15798), (656, 15816), (659, 15822), (671, 15852), (755, 15957), (764, 15969), (785, 16005), (813, 16083), (851, 16203), (862, 16236), (877, 16266), (880, 16278), (886, 16296), (888, 16302), (889, 16305), (891, 16311), (905, 16326), (906, 16329), (914, 16350), (916, 16353), (940, 16395), (947, 16425), (959, 16467), (960, 16473),

Gene: Graduation_29 Start: 21859, Stop: 23661, Start Num: 148

Candidate Starts for Graduation_29:

(Start: 148 @21859 has 202 MA's), (Start: 166 @21880 has 28 MA's), (Start: 191 @21922 has 1 MA's), (215, 21967), (349, 22183), (376, 22228), (381, 22237), (407, 22276), (425, 22327), (426, 22330), (507, 22525), (528, 22594), (616, 22795), (617, 22798), (623, 22819), (674, 22915), (675, 22918), (677, 22924), (701, 22993), (708, 23011), (710, 23020), (720, 23050), (779, 23146), (795, 23179), (802, 23194), (845, 23335), (865, 23392),

Gene: GrandSlam_22 Start: 17878, Stop: 19584, Start Num: 187

Candidate Starts for GrandSlam_22:

(131, 17803), (Start: 187 @17878 has 15 MA's), (Start: 239 @17971 has 1 MA's), (244, 17986), (246, 17992), (275, 18067), (305, 18139), (359, 18250), (384, 18295), (395, 18313), (404, 18325), (486, 18496), (489, 18505), (491, 18511), (523, 18607), (542, 18658), (616, 18781), (628, 18820), (691, 18952), (758, 19066), (808, 19153), (844, 19267), (847, 19276), (886, 19381), (936, 19468), (971, 19576),

Gene: Gravallia_22 Start: 17133, Stop: 18875, Start Num: 143

Candidate Starts for Gravallia_22:

(75, 16959), (Start: 143 @17133 has 53 MA's), (Start: 150 @17142 has 25 MA's), (210, 17235), (226, 17259), (231, 17271), (Start: 239 @17292 has 1 MA's), (244, 17307), (273, 17385), (304, 17457), (345, 17547), (374, 17601), (393, 17631), (400, 17640), (410, 17661), (432, 17727), (442, 17754), (462, 17787), (482, 17805), (488, 17823), (489, 17826), (493, 17841), (494, 17844), (520, 17910), (521, 17913), (542, 17979), (575, 18003), (613, 18090), (631, 18144), (660, 18189), (665, 18195), (675, 18222), (692, 18267), (750, 18360), (754, 18369), (808, 18447), (855, 18591), (860, 18609), (865, 18621), (873, 18636), (875, 18639), (882, 18660), (914, 18720), (934, 18753), (936, 18759), (938, 18762), (956, 18828), (971, 18867),

Gene: GreaseLightnin_19 Start: 16367, Stop: 18127, Start Num: 114

Candidate Starts for GreaseLightnin_19:

(Start: 114 @16367 has 2 MA's), (Start: 129 @16391 has 45 MA's), (174, 16451), (185, 16472), (Start: 187 @16475 has 15 MA's), (250, 16595), (263, 16634), (279, 16667), (291, 16691), (341, 16811), (363, 16850), (365, 16856), (411, 16940), (415, 16946), (418, 16958), (425, 16982), (434, 17009), (441, 17027), (470, 17066), (481, 17072), (489, 17096), (510, 17150), (513, 17162), (517, 17171), (537, 17231), (595, 17309), (612, 17348), (622, 17381), (647, 17447), (654, 17462), (659, 17471), (669, 17495), (686, 17525), (691, 17537), (782, 17639), (788, 17651), (791, 17654), (794, 17660), (796, 17669), (830, 17777), (858, 17861), (898, 17960), (950, 18068), (965, 18116),

Gene: GrecoEtereo_29 Start: 21899, Stop: 23701, Start Num: 148

Candidate Starts for GrecoEtereo_29:

(Start: 148 @21899 has 202 MA's), (Start: 166 @21920 has 28 MA's), (Start: 191 @21962 has 1 MA's), (215, 22007), (349, 22223), (376, 22268), (381, 22277), (407, 22316), (425, 22367), (426, 22370), (507, 22565), (528, 22634), (616, 22835), (617, 22838), (623, 22859), (674, 22955), (675, 22958), (677, 22964), (701, 23033), (708, 23051), (710, 23060), (720, 23090), (779, 23186), (795, 23219), (802, 23234), (845, 23375), (865, 23432), (907, 23543),

Gene: GreedyLawyer_31 Start: 19976, Stop: 21748, Start Num: 145

Candidate Starts for GreedyLawyer_31:

(103, 19910), (Start: 128 @19952 has 10 MA's), (Start: 145 @19976 has 749 MA's), (261, 20174), (304, 20213), (347, 20285), (349, 20288), (363, 20306), (381, 20342), (385, 20348), (434, 20459), (436, 20465), (448, 20504), (470, 20546), (488, 20585), (504, 20627), (507, 20630), (523, 20690), (624, 20927), (629, 20942), (675, 21023), (720, 21155), (802, 21281), (817, 21332), (821, 21341), (832, 21380), (833, 21383), (836, 21395), (865, 21479), (905, 21584), (907, 21590), (959, 21725),

Gene: Greg_29 Start: 21405, Stop: 23207, Start Num: 148

Candidate Starts for Greg_29:

(Start: 148 @21405 has 202 MA's), (Start: 166 @21426 has 28 MA's), (Start: 191 @21468 has 1 MA's), (215, 21513), (349, 21729), (376, 21774), (381, 21783), (425, 21873), (426, 21876), (507, 22071), (528, 22140), (616, 22341), (617, 22344), (623, 22365), (674, 22461), (675, 22464), (677, 22470), (701, 22539), (708, 22557), (710, 22566), (720, 22596), (779, 22692), (795, 22725), (802, 22740), (845, 22881), (865, 22938), (907, 23049),

Gene: Grif_29 Start: 20462, Stop: 22258, Start Num: 145

Candidate Starts for Grif_29:

(Start: 145 @20462 has 749 MA's), (Start: 191 @20519 has 1 MA's), (199, 20534), (233, 20588), (Start: 239 @20603 has 1 MA's), (297, 20690), (303, 20702), (304, 20705), (349, 20780), (361, 20795), (379, 20831), (470, 21038), (528, 21191), (560, 21278), (616, 21392), (623, 21416), (629, 21434), (675, 21515), (701, 21590), (708, 21608), (717, 21641), (720, 21647), (739, 21686), (777, 21740), (779, 21743), (791, 21764), (810, 21821), (865, 21989), (905, 22094), (907, 22100), (959, 22235),

Gene: Grizzly_18 Start: 16643, Stop: 18406, Start Num: 138

Candidate Starts for Grizzly_18:

(67, 16439), (Start: 138 @16643 has 25 MA's), (Start: 164 @16652 has 42 MA's), (Start: 168 @16658 has 2 MA's), (172, 16664), (222, 16742), (244, 16796), (261, 16847), (276, 16877), (Start: 288 @16901 has 1 MA's), (298, 16922), (335, 17003), (353, 17042), (357, 17048), (365, 17063), (392, 17108), (439, 17228), (466, 17285), (488, 17324), (504, 17366), (508, 17372), (516, 17399), (520, 17411), (548, 17492), (586, 17537), (606, 17585), (675, 17735), (687, 17765), (693, 17783), (701, 17810), (778, 17912), (792, 17927), (808, 17975), (812, 17990), (833, 18053), (851, 18110), (865, 18149), (882, 18191), (909, 18242), (950, 18338), (971, 18398),

Gene: GrootJr_43 Start: 30207, Stop: 31820, Start Num: 260

Candidate Starts for GrootJr_43:

(Start: 260 @30207 has 35 MA's), (Start: 288 @30243 has 1 MA's), (295, 30261), (322, 30321), (443, 30561), (447, 30573), (452, 30588), (484, 30654), (489, 30669), (497, 30693), (498, 30696), (527, 30780), (538, 30810), (539, 30813), (572, 30870), (592, 30918), (594, 30921), (604, 30942), (643, 31047), (671, 31092), (688, 31134), (756, 31308), (774, 31338), (780, 31344), (826, 31452), (827, 31455), (851, 31530), (947, 31749), (964, 31806),

Gene: Groundhog_23 Start: 18621, Stop: 20411, Start Num: 145

Candidate Starts for Groundhog_23:

(Start: 128 @18597 has 10 MA's), (Start: 145 @18621 has 749 MA's), (213, 18714), (240, 18759), (304, 18858), (328, 18894), (349, 18933), (361, 18948), (379, 18984), (434, 19104), (436, 19110), (488, 19230), (535, 19359), (560, 19431), (616, 19545), (708, 19761), (717, 19794), (779, 19896), (795, 19929), (802, 19944), (810, 19974), (904, 20244), (907, 20253), (909, 20262), (956, 20376),

Gene: Groupthink_30 Start: 20460, Stop: 22256, Start Num: 145

Candidate Starts for Groupthink_30:

(Start: 145 @20460 has 749 MA's), (Start: 191 @20517 has 1 MA's), (199, 20532), (233, 20586), (Start: 239 @20601 has 1 MA's), (297, 20688), (303, 20700), (304, 20703), (349, 20778), (361, 20793), (470, 21036), (528, 21189), (560, 21276), (609, 21369), (616, 21390), (623, 21414), (627, 21426), (629, 21432), (675, 21513), (701, 21588), (708, 21606), (710, 21615), (717, 21639), (720, 21645), (729, 21660), (739, 21684), (777, 21738), (779, 21741), (791, 21762), (905, 22092), (907, 22098), (959, 22233),

Gene: Grub_29 Start: 20371, Stop: 22167, Start Num: 145

Candidate Starts for Grub_29:

(Start: 145 @20371 has 749 MA's), (Start: 191 @20428 has 1 MA's), (199, 20443), (216, 20476), (233, 20497), (Start: 239 @20512 has 1 MA's), (297, 20599), (303, 20611), (304, 20614), (349, 20689), (361, 20704), (379, 20740), (470, 20947), (516, 21061), (528, 21100), (560, 21187), (616, 21301), (623, 21325), (629, 21343), (675, 21424), (701, 21499), (708, 21517), (717, 21550), (720, 21556), (739, 21595), (777, 21649), (779, 21652), (791, 21673), (810, 21730), (865, 21898), (905, 22003), (907, 22009), (959, 22144),

Gene: Grum1_29 Start: 20375, Stop: 22171, Start Num: 145

Candidate Starts for Grum1_29:

(Start: 145 @20375 has 749 MA's), (Start: 191 @20432 has 1 MA's), (199, 20447), (216, 20480), (233, 20501), (Start: 239 @20516 has 1 MA's), (297, 20603), (303, 20615), (304, 20618), (349, 20693), (361, 20708), (379, 20744), (435, 20867), (470, 20951), (516, 21065), (528, 21104), (560, 21191), (616, 21305), (623, 21329), (629, 21347), (675, 21428), (701, 21503), (708, 21521), (717, 21554), (720, 21560), (739, 21599), (777, 21653), (779, 21656), (791, 21677), (824, 21776), (905, 22007), (907, 22013), (959, 22148),

Gene: Gruunaga_31 Start: 19963, Stop: 21735, Start Num: 145

Candidate Starts for Gruunaga_31:

(103, 19897), (Start: 128 @19939 has 10 MA's), (Start: 145 @19963 has 749 MA's), (304, 20200), (347, 20272), (349, 20275), (361, 20290), (381, 20329), (385, 20335), (434, 20446), (436, 20452), (448, 20491), (470, 20533), (488, 20572), (504, 20614), (507, 20617), (560, 20773), (624, 20914), (629, 20929), (720, 21142), (791, 21241), (802, 21268), (817, 21319), (821, 21328), (832, 21367), (833, 21370), (865, 21466), (905, 21571), (907, 21577), (959, 21712),

Gene: GtownJaz_29 Start: 20380, Stop: 22176, Start Num: 145

Candidate Starts for GtownJaz_29:

(Start: 145 @20380 has 749 MA's), (Start: 191 @20437 has 1 MA's), (199, 20452), (216, 20485), (233, 20506), (Start: 239 @20521 has 1 MA's), (297, 20608), (303, 20620), (304, 20623), (349, 20698), (361, 20713), (379, 20749), (470, 20956), (516, 21070), (528, 21109), (560, 21196), (616, 21310), (623, 21334), (629, 21352), (675, 21433), (701, 21508), (708, 21526), (717, 21559), (720, 21565), (739, 21604), (777, 21658), (779, 21661), (791, 21682), (810, 21739), (865, 21907), (905, 22012), (907, 22018), (959, 22153),

Gene: Guacamole_19 Start: 16654, Stop: 18300, Start Num: 220

Candidate Starts for Guacamole_19:

(196, 16618), (Start: 220 @16654 has 45 MA's), (261, 16756), (295, 16834), (296, 16837), (337, 16933), (355, 16972), (404, 17053), (423, 17107), (428, 17122), (510, 17293), (520, 17323), (620, 17506), (626, 17530), (627, 17533), (658, 17581), (695, 17674), (700, 17686), (738, 17731), (747, 17746), (809, 17878), (810, 17881), (841, 17980), (847, 17998), (865, 18049), (890, 18115), (927, 18178), (935, 18190),

Gene: Guanica15_23 Start: 16380, Stop: 18146, Start Num: 145

Candidate Starts for Guanica15_23:

(Start: 145 @16380 has 749 MA's), (Start: 150 @16386 has 25 MA's), (Start: 170 @16410 has 1 MA's), (251, 16569), (261, 16602), (276, 16632), (278, 16635), (291, 16665), (298, 16677), (338, 16767), (361, 16809), (404, 16881), (409, 16890), (422, 16929), (436, 16974), (443, 16995), (444, 16998), (488, 17070), (504, 17112), (508, 17118), (516, 17145), (586, 17283), (593, 17301), (612, 17343), (619, 17361), (628, 17391), (693, 17523), (750, 17613), (809, 17718), (820, 17748), (845, 17832), (862, 17883), (909, 17982), (950, 18078), (960, 18117), (961, 18120), (971, 18138),

Gene: Gudmit_18 Start: 15558, Stop: 17267, Start Num: 269

Candidate Starts for Gudmit_18:

(Start: 260 @15543 has 35 MA's), (Start: 269 @15558 has 31 MA's), (405, 15822), (429, 15876), (452, 15945), (459, 15957), (470, 15987), (489, 16035), (529, 16161), (556, 16245), (561, 16266), (567, 16278), (581, 16308), (605, 16368), (628, 16416), (670, 16494), (688, 16533), (694, 16551), (705, 16587), (719, 16629), (732, 16665), (745, 16686), (748, 16689), (798, 16782), (846, 16935), (851, 16950), (860, 16977), (894, 17073), (918, 17121), (932, 17151), (951, 17211),

Gene: Guey18_58 Start: 29129, Stop: 30814, Start Num: 137

Candidate Starts for Guey18_58:

(68, 28937), (69, 28946), (73, 28952), (97, 29054), (Start: 110 @29084 has 1 MA's), (Start: 137 @29129 has 84 MA's), (236, 29270), (328, 29429), (360, 29483), (434, 29639), (480, 29738), (495, 29786), (521, 29858), (582, 29948), (634, 30086), (708, 30245), (749, 30296), (751, 30299), (756, 30311), (802, 30386), (806, 30401), (844, 30485), (875, 30566), (915, 30677), (957, 30782), (961, 30800),

Gene: Guillsminger_21 Start: 17495, Stop: 19267, Start Num: 150

Candidate Starts for Guillsminger_21:

(Start: 150 @17495 has 25 MA's), (155, 17501), (172, 17525), (Start: 193 @17558 has 1 MA's), (222, 17606), (244, 17660), (261, 17711), (291, 17774), (341, 17882), (404, 17990), (443, 18104), (444, 18107), (465, 18146), (482, 18161), (486, 18173), (488, 18179), (504, 18221), (508, 18227), (520,

18266), (527, 18290), (586, 18392), (613, 18455), (627, 18500), (693, 18635), (754, 18734), (802, 18812), (808, 18836), (810, 18842), (814, 18857), (845, 18953), (847, 18959), (914, 19112), (955, 19217), (956, 19220), (960, 19238),

Gene: Gustav_18 Start: 15136, Stop: 16749, Start Num: 184

Candidate Starts for Gustav_18:

(Start: 184 @15136 has 11 MA's), (Start: 188 @15142 has 1 MA's), (208, 15181), (236, 15232), (237, 15235), (247, 15265), (308, 15412), (342, 15481), (404, 15586), (417, 15616), (457, 15703), (489, 15742), (507, 15784), (530, 15856), (542, 15889), (574, 15901), (590, 15940), (606, 15976), (609, 15979), (616, 16000), (631, 16042), (654, 16084), (691, 16159), (695, 16177), (700, 16189), (701, 16192), (802, 16303), (806, 16318), (808, 16327), (824, 16375), (907, 16585), (951, 16693),

Gene: Gustavo_34 Start: 29639, Stop: 31402, Start Num: 107

Candidate Starts for Gustavo_34:

(Start: 107 @29639 has 72 MA's), (Start: 126 @29675 has 1 MA's), (210, 29804), (216, 29813), (259, 29909), (265, 29918), (319, 29987), (349, 30038), (356, 30047), (376, 30083), (385, 30098), (397, 30116), (425, 30179), (440, 30224), (443, 30233), (493, 30344), (495, 30353), (503, 30368), (510, 30392), (520, 30422), (629, 30644), (644, 30662), (649, 30677), (674, 30719), (686, 30749), (732, 30869), (798, 30962), (845, 31073), (846, 31076), (862, 31124), (875, 31151), (884, 31178), (905, 31232),

Gene: GuuelaD_18 Start: 17023, Stop: 18756, Start Num: 165

Candidate Starts for GuuelaD_18:

(Start: 165 @17023 has 28 MA's), (205, 17092), (274, 17233), (276, 17236), (301, 17266), (306, 17281), (326, 17314), (329, 17323), (350, 17359), (379, 17413), (397, 17440), (423, 17503), (425, 17509), (436, 17542), (451, 17590), (500, 17695), (510, 17719), (512, 17728), (527, 17773), (535, 17791), (547, 17824), (583, 17866), (626, 17986), (657, 18049), (691, 18121), (701, 18154), (703, 18157), (757, 18238), (773, 18256), (783, 18277), (787, 18283), (794, 18295), (826, 18358), (854, 18445), (862, 18472), (879, 18505), (890, 18541), (897, 18556), (912, 18592), (944, 18670), (950, 18688),

Gene: GuyFagieri_45 Start: 31180, Stop: 32754, Start Num: 264

Candidate Starts for GuyFagieri_45:

(Start: 264 @31180 has 7 MA's), (Start: 269 @31189 has 31 MA's), (270, 31192), (302, 31243), (311, 31267), (322, 31270), (447, 31522), (455, 31540), (484, 31603), (489, 31618), (535, 31735), (539, 31750), (572, 31807), (578, 31816), (594, 31858), (604, 31879), (615, 31909), (633, 31963), (711, 32137), (756, 32242), (757, 32245), (774, 32272), (821, 32365), (862, 32497), (884, 32545), (922, 32611), (935, 32641), (956, 32713),

Gene: Gwendoluna_30 Start: 23011, Stop: 24792, Start Num: 166

Candidate Starts for Gwendoluna_30:

(Start: 148 @22990 has 202 MA's), (Start: 166 @23011 has 28 MA's), (Start: 191 @23053 has 1 MA's), (215, 23098), (349, 23314), (376, 23359), (381, 23368), (407, 23407), (425, 23458), (426, 23461), (507, 23656), (528, 23725), (616, 23926), (617, 23929), (623, 23950), (674, 24046), (675, 24049), (677, 24055), (701, 24124), (708, 24142), (710, 24151), (720, 24181), (779, 24277), (795, 24310), (802, 24325), (845, 24466), (865, 24523), (907, 24634),

Gene: Gyzlar_29 Start: 22353, Stop: 24155, Start Num: 148

Candidate Starts for Gyzlar_29:

(Start: 148 @22353 has 202 MA's), (Start: 166 @22374 has 28 MA's), (Start: 191 @22416 has 1 MA's), (215, 22461), (349, 22677), (376, 22722), (381, 22731), (407, 22770), (425, 22821), (426, 22824), (507, 23019), (528, 23088), (616, 23289), (617, 23292), (623, 23313), (674, 23409), (675, 23412), (677, 23418), (701, 23487), (708, 23505), (710, 23514), (720, 23544), (779, 23640), (795,

23673), (802, 23688), (845, 23829), (865, 23886), (907, 23997),

Gene: HC_19 Start: 16486, Stop: 18219, Start Num: 139

Candidate Starts for HC_19:

(Start: 139 @16486 has 6 MA's), (208, 16585), (214, 16594), (245, 16660), (254, 16684), (279, 16744), (282, 16747), (294, 16774), (379, 16954), (395, 16978), (404, 16990), (415, 17014), (481, 17140), (486, 17155), (489, 17164), (503, 17200), (510, 17218), (636, 17470), (644, 17479), (659, 17512), (761, 17656), (788, 17701), (824, 17803), (826, 17812), (830, 17830), (832, 17833), (865, 17932), (886, 17992), (892, 18010), (905, 18046), (909, 18061), (938, 18109), (957, 18178),

Gene: HH92_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for HH92_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: HINdeR_27 Start: 22725, Stop: 24527, Start Num: 145

Candidate Starts for HINdeR_27:

(79, 22575), (91, 22620), (Start: 128 @22701 has 10 MA's), (Start: 134 @22713 has 40 MA's), (Start: 145 @22725 has 749 MA's), (189, 22770), (201, 22791), (216, 22821), (303, 22956), (304, 22959), (349, 23034), (381, 23088), (436, 23211), (438, 23217), (448, 23250), (470, 23292), (507, 23376), (516, 23406), (523, 23436), (583, 23562), (616, 23643), (629, 23685), (674, 23781), (675, 23784), (680, 23799), (701, 23859), (708, 23877), (710, 23886), (717, 23910), (720, 23916), (777, 24009), (779, 24012), (788, 24030), (795, 24045), (802, 24060), (811, 24096), (844, 24198), (907, 24369), (951, 24474), (965, 24519),

Gene: HUHilltop_19 Start: 16385, Stop: 18121, Start Num: 129

Candidate Starts for HUHilltop_19:

(Start: 114 @16361 has 2 MA's), (Start: 129 @16385 has 45 MA's), (174, 16445), (185, 16466), (Start: 187 @16469 has 15 MA's), (250, 16589), (263, 16628), (279, 16661), (291, 16685), (341, 16805), (363, 16844), (365, 16850), (411, 16934), (415, 16940), (418, 16952), (425, 16976), (434, 17003), (441, 17021), (470, 17060), (481, 17066), (489, 17090), (510, 17144), (513, 17156), (517, 17165), (537, 17225), (595, 17303), (612, 17342), (622, 17375), (647, 17441), (654, 17456), (659, 17465), (669, 17489), (686, 17519), (691, 17531), (782, 17633), (788, 17645), (791, 17648), (794, 17654), (796, 17663), (830, 17771), (858, 17855), (898, 17954), (950, 18062), (965, 18110),

Gene: Hades_16 Start: 14815, Stop: 16524, Start Num: 132

Candidate Starts for Hades_16:

(Start: 132 @14815 has 199 MA's), (198, 14902), (Start: 228 @14947 has 2 MA's), (237, 14971), (277, 15076), (282, 15082), (290, 15100), (301, 15130), (349, 15235), (383, 15295), (398, 15316), (404, 15325), (415, 15349), (481, 15475), (486, 15490), (488, 15496), (501, 15532), (503, 15535), (509, 15547), (510, 15553), (523, 15601), (530, 15613), (531, 15619), (586, 15679), (590, 15691), (606, 15727), (612, 15739), (644, 15814), (647, 15823), (656, 15841), (659, 15847), (671, 15877), (755, 15982), (761, 15991), (764, 15994), (785, 16030), (813, 16108), (844, 16207), (851, 16228), (862, 16261), (877, 16291), (886, 16321), (889, 16330), (891, 16336), (905, 16351), (906, 16354), (916, 16378), (935, 16408), (940, 16420), (947, 16450), (959, 16492),

Gene: Hadrien_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for Hadrien_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: Hafay_18 Start: 17022, Stop: 18755, Start Num: 165

Candidate Starts for Hafay_18:

(Start: 165 @17022 has 28 MA's), (205, 17091), (274, 17232), (276, 17235), (306, 17280), (326, 17313), (329, 17322), (350, 17358), (379, 17412), (397, 17439), (405, 17451), (423, 17502), (425, 17508), (436, 17541), (500, 17694), (510, 17718), (512, 17727), (527, 17772), (533, 17787), (583, 17865), (626, 17985), (657, 18048), (691, 18120), (703, 18156), (783, 18276), (787, 18282), (794, 18294), (826, 18357), (854, 18444), (862, 18471), (890, 18540), (897, 18555), (905, 18567), (912, 18591), (944, 18669),

Gene: Hail_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for Hail_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: Halena_18 Start: 16747, Stop: 18516, Start Num: 130

Candidate Starts for Halena_18:

(Start: 98 @16684 has 1 MA's), (106, 16705), (Start: 114 @16720 has 2 MA's), (Start: 130 @16747 has 38 MA's), (194, 16840), (Start: 220 @16888 has 45 MA's), (225, 16894), (245, 16921), (246, 16924), (248, 16930), (274, 17002), (281, 17011), (301, 17035), (306, 17050), (323, 17080), (397, 17206), (403, 17215), (413, 17236), (418, 17251), (440, 17320), (451, 17356), (467, 17377), (494, 17446), (510, 17485), (583, 17623), (587, 17635), (616, 17710), (619, 17716), (623, 17734), (638, 17773), (657, 17806), (661, 17815), (669, 17824), (674, 17833), (675, 17836), (716, 17956), (732, 17992), (787, 18040), (794, 18052), (824, 18106), (854, 18202), (859, 18220), (861, 18226), (862, 18229), (879, 18262), (886, 18286), (912, 18349), (932, 18391), (944, 18430), (950, 18448), (956, 18469), (961, 18490),

Gene: Haley23_17 Start: 14758, Stop: 16467, Start Num: 269

Candidate Starts for Haley23_17:

(Start: 269 @14758 has 31 MA's), (324, 14875), (405, 15025), (424, 15064), (429, 15079), (452, 15148), (459, 15160), (489, 15238), (490, 15241), (532, 15373), (547, 15427), (581, 15508), (605, 15568), (608, 15574), (610, 15580), (649, 15661), (671, 15697), (688, 15733), (694, 15751), (707, 15790), (731, 15862), (745, 15886), (841, 16120), (846, 16135), (860, 16177), (893, 16270), (894, 16273), (918, 16321), (932, 16351),

Gene: Halo_18 Start: 16644, Stop: 18398, Start Num: 164

Candidate Starts for Halo_18:

(Start: 138 @16635 has 25 MA's), (Start: 164 @16644 has 42 MA's), (Start: 168 @16650 has 2 MA's), (172, 16656), (244, 16788), (261, 16839), (276, 16869), (Start: 288 @16893 has 1 MA's), (335, 16995), (353, 17034), (357, 17040), (365, 17055), (392, 17100), (439, 17220), (466, 17277), (488, 17316), (508, 17364), (516, 17391), (520, 17403), (548, 17484), (586, 17529), (675, 17727), (687, 17757), (693, 17775), (701, 17802), (760, 17886), (778, 17904), (792, 17919), (808, 17967), (812, 17982), (833, 18045), (851, 18102), (865, 18141), (882, 18183), (909, 18234), (950, 18330), (971, 18390),

Gene: Halo3_32 Start: 26286, Stop: 28052, Start Num: 107

Candidate Starts for Halo3_32:

(90, 26244), (Start: 107 @26286 has 72 MA's), (Start: 126 @26322 has 1 MA's), (Start: 150 @26355 has 25 MA's), (263, 26565), (265, 26568), (303, 26598), (333, 26664), (349, 26688), (356, 26697), (375, 26730), (443, 26883), (463, 26922), (487, 26973), (491, 26985), (495, 27003), (501, 27015), (506, 27027), (510, 27042), (520, 27072), (521, 27075), (527, 27096), (583, 27168), (602, 27216), (649, 27327), (669, 27360), (686, 27399), (687, 27402), (710, 27474), (753, 27540), (759, 27552), (845, 27723), (846, 27726), (862, 27774), (875, 27801), (884, 27828), (905, 27882), (951, 27999), (957, 28020), (966, 28047),

Gene: HamSlice_26 Start: 19825, Stop: 21603, Start Num: 145

Candidate Starts for HamSlice_26:

(Start: 128 @19801 has 10 MA's), (Start: 145 @19825 has 749 MA's), (Start: 191 @19882 has 1 MA's), (Start: 220 @19936 has 45 MA's), (233, 19951), (240, 19969), (297, 20053), (303, 20065), (304, 20068), (349, 20143), (361, 20158), (381, 20197), (434, 20314), (470, 20401), (504, 20482), (521, 20530), (528, 20554), (560, 20641), (587, 20686), (617, 20758), (623, 20779), (629, 20797), (675, 20878), (708, 20971), (710, 20980), (717, 21004), (720, 21010), (731, 21034), (779, 21088), (791, 21109), (808, 21160), (815, 21184), (833, 21238), (865, 21334), (905, 21439), (909, 21454), (954, 21562), (959, 21580),

Gene: Hami1_29 Start: 21520, Stop: 23301, Start Num: 166

Candidate Starts for Hami1_29:

(Start: 148 @21499 has 202 MA's), (Start: 166 @21520 has 28 MA's), (Start: 191 @21562 has 1 MA's), (215, 21607), (349, 21823), (376, 21868), (381, 21877), (407, 21916), (425, 21967), (426, 21970), (507, 22165), (528, 22234), (616, 22435), (617, 22438), (623, 22459), (674, 22555), (675, 22558), (677, 22564), (708, 22651), (710, 22660), (720, 22690), (779, 22786), (795, 22819), (802, 22834), (845, 22975), (865, 23032), (907, 23143),

Gene: Hammer_31 Start: 19978, Stop: 21750, Start Num: 145

Candidate Starts for Hammer_31:

(103, 19912), (Start: 128 @19954 has 10 MA's), (Start: 145 @19978 has 749 MA's), (304, 20215), (347, 20287), (349, 20290), (361, 20305), (381, 20344), (385, 20350), (434, 20461), (436, 20467), (448, 20506), (470, 20548), (488, 20587), (504, 20629), (507, 20632), (560, 20788), (624, 20929), (629, 20944), (720, 21157), (802, 21283), (817, 21334), (821, 21343), (832, 21382), (833, 21385), (905, 21586), (907, 21592), (959, 21727),

Gene: Hammy_22 Start: 17572, Stop: 19338, Start Num: 145

Candidate Starts for Hammy_22:

(Start: 121 @17533 has 1 MA's), (Start: 138 @17563 has 25 MA's), (Start: 145 @17572 has 749 MA's), (Start: 170 @17602 has 1 MA's), (Start: 239 @17728 has 1 MA's), (244, 17743), (261, 17794), (291, 17857), (298, 17869), (304, 17887), (338, 17959), (357, 17995), (361, 18001), (409, 18082), (439, 18175), (443, 18187), (444, 18190), (464, 18226), (488, 18262), (504, 18304), (508, 18310), (516, 18337), (527, 18373), (593, 18493), (628, 18583), (647, 18610), (669, 18655), (693, 18715), (742, 18790), (754, 18814), (797, 18874), (809, 18910), (820, 18940), (845, 19024), (862, 19075), (914, 19183), (960, 19309), (961, 19312), (971, 19330),

Gene: Hamood_22 Start: 17878, Stop: 19584, Start Num: 187

Candidate Starts for Hamood_22:

(131, 17803), (Start: 187 @17878 has 15 MA's), (Start: 239 @17971 has 1 MA's), (244, 17986), (246, 17992), (275, 18067), (305, 18139), (359, 18250), (384, 18295), (395, 18313), (404, 18325), (486, 18496), (489, 18505), (491, 18511), (523, 18607), (542, 18658), (616, 18781), (628, 18820), (691, 18952), (758, 19066), (808, 19153), (844, 19267), (847, 19276), (886, 19381), (936, 19468), (971, 19576),

Gene: Hamulus_16 Start: 14812, Stop: 16521, Start Num: 132

Candidate Starts for Hamulus_16:

(Start: 132 @14812 has 199 MA's), (198, 14899), (Start: 228 @14944 has 2 MA's), (237, 14968), (277, 15073), (282, 15079), (290, 15097), (301, 15127), (349, 15232), (383, 15292), (395, 15310), (398, 15313), (404, 15322), (411, 15340), (415, 15346), (438, 15421), (439, 15424), (481, 15472), (486, 15487), (488, 15493), (501, 15529), (503, 15532), (509, 15544), (510, 15550), (523, 15598), (530, 15610), (531, 15616), (586, 15676), (590, 15688), (606, 15724), (612, 15736), (644, 15811), (647, 15820), (656, 15838), (659, 15844), (671, 15874), (755, 15979), (761, 15988), (764, 15991), (785, 16027), (813, 16105), (844, 16204), (851, 16225), (862, 16258), (877, 16288), (886, 16318), (889, 16327), (891, 16333), (905, 16348), (906, 16351), (916, 16375), (935, 16405), (940, 16417), (947, 16447), (959, 16489),

Gene: HanKaySha_25 Start: 19488, Stop: 21167, Start Num: 137

Candidate Starts for HanKaySha_25:

(Start: 137 @19488 has 84 MA's), (Start: 197 @19572 has 47 MA's), (Start: 239 @19650 has 1 MA's), (272, 19737), (282, 19752), (301, 19800), (315, 19839), (363, 19926), (380, 19959), (404, 19995), (417, 20025), (418, 20031), (441, 20100), (483, 20130), (487, 20142), (488, 20145), (510, 20202), (587, 20334), (589, 20340), (617, 20406), (620, 20412), (626, 20436), (647, 20484), (659, 20508), (665, 20517), (695, 20592), (761, 20643), (772, 20658), (833, 20820), (841, 20847), (851, 20877), (890, 20982), (938, 21060), (947, 21096), (950, 21105), (959, 21138), (965, 21153),

Gene: HanShotFirst_27 Start: 21033, Stop: 22835, Start Num: 148

Candidate Starts for HanShotFirst_27:

(Start: 148 @21033 has 202 MA's), (Start: 166 @21054 has 28 MA's), (Start: 191 @21096 has 1 MA's), (215, 21141), (349, 21357), (376, 21402), (381, 21411), (425, 21501), (426, 21504), (463, 21597), (507, 21699), (528, 21768), (612, 21957), (616, 21969), (617, 21972), (623, 21993), (674, 22089), (675, 22092), (677, 22098), (701, 22167), (708, 22185), (710, 22194), (720, 22224), (779, 22320), (795, 22353), (802, 22368), (845, 22509), (865, 22566), (907, 22677),

Gene: Hannaconda_31 Start: 23714, Stop: 25447, Start Num: 133

Candidate Starts for Hannaconda_31:

(Start: 133 @23714 has 29 MA's), (Start: 197 @23804 has 47 MA's), (198, 23807), (247, 23909), (272, 23975), (291, 24011), (302, 24041), (307, 24056), (345, 24140), (365, 24176), (380, 24203), (406, 24242), (418, 24275), (421, 24284), (439, 24341), (469, 24383), (507, 24458), (510, 24470), (530, 24530), (573, 24584), (587, 24614), (595, 24632), (601, 24641), (613, 24674), (617, 24686), (620, 24692), (632, 24731), (659, 24788), (772, 24938), (782, 24956), (802, 24998), (808, 25022), (809, 25025), (813, 25040), (824, 25070), (833, 25100), (851, 25157), (919, 25307), (961, 25427), (965, 25433),

Gene: HannahD_19 Start: 16647, Stop: 18377, Start Num: 143

Candidate Starts for HannahD_19:

(84, 16527), (Start: 121 @16611 has 1 MA's), (Start: 143 @16647 has 53 MA's), (Start: 220 @16767 has 45 MA's), (257, 16851), (296, 16884), (310, 16917), (360, 17001), (448, 17202), (469, 17244), (487, 17280), (495, 17310), (506, 17334), (519, 17376), (527, 17403), (528, 17406), (563, 17460),

(574, 17466), (612, 17553), (785, 17913), (796, 17937), (804, 17955), (845, 18051), (851, 18069), (910, 18228), (948, 18315), (956, 18342),

Gene: Hans_35 Start: 29139, Stop: 30764, Start Num: 190

Candidate Starts for Hans_35:

(Start: 190 @29139 has 16 MA's), (198, 29151), (214, 29184), (219, 29193), (227, 29205), (Start: 239 @29235 has 1 MA's), (289, 29352), (294, 29364), (326, 29439), (354, 29499), (371, 29529), (489, 29736), (500, 29766), (517, 29811), (537, 29871), (586, 29919), (616, 29991), (627, 30024), (628, 30027), (649, 30066), (668, 30105), (700, 30192), (701, 30195), (787, 30273), (809, 30333), (824, 30378), (847, 30459), (867, 30513), (909, 30609), (959, 30738), (965, 30753),

Gene: Happiness_27 Start: 19833, Stop: 21611, Start Num: 145

Candidate Starts for Happiness_27:

(Start: 128 @19809 has 10 MA's), (Start: 145 @19833 has 749 MA's), (Start: 191 @19890 has 1 MA's), (Start: 220 @19944 has 45 MA's), (233, 19959), (240, 19977), (297, 20061), (303, 20073), (304, 20076), (349, 20151), (361, 20166), (381, 20205), (434, 20322), (470, 20409), (504, 20490), (521, 20538), (528, 20562), (560, 20649), (587, 20694), (617, 20766), (623, 20787), (629, 20805), (708, 20979), (710, 20988), (717, 21012), (720, 21018), (731, 21042), (779, 21096), (791, 21117), (808, 21168), (815, 21192), (833, 21246), (865, 21342), (905, 21447), (909, 21462), (954, 21570), (959, 21588),

Gene: Harella_23 Start: 19962, Stop: 21557, Start Num: 197

Candidate Starts for Harella_23:

(Start: 137 @19878 has 84 MA's), (Start: 197 @19962 has 47 MA's), (Start: 239 @20040 has 1 MA's), (272, 20127), (282, 20142), (301, 20190), (315, 20229), (363, 20316), (380, 20349), (404, 20385), (417, 20415), (418, 20421), (441, 20490), (483, 20520), (487, 20532), (488, 20535), (510, 20592), (587, 20724), (589, 20730), (617, 20796), (620, 20802), (626, 20826), (647, 20874), (659, 20898), (665, 20907), (695, 20982), (761, 21033), (772, 21048), (833, 21210), (841, 21237), (851, 21267), (890, 21372), (938, 21450), (947, 21486), (950, 21495), (959, 21528), (965, 21543),

Gene: Harlequin_23 Start: 16299, Stop: 17924, Start Num: 173

Candidate Starts for Harlequin_23:

(Start: 162 @16284 has 3 MA's), (Start: 173 @16299 has 32 MA's), (198, 16341), (210, 16368), (236, 16404), (349, 16590), (421, 16719), (434, 16761), (443, 16788), (450, 16812), (463, 16830), (481, 16860), (486, 16875), (507, 16926), (535, 17010), (609, 17127), (617, 17151), (674, 17265), (692, 17313), (701, 17343), (713, 17382), (717, 17394), (757, 17424), (802, 17502), (860, 17649), (870, 17673), (884, 17709), (900, 17748), (965, 17916),

Gene: Harley_16 Start: 14800, Stop: 16509, Start Num: 132

Candidate Starts for Harley_16:

(Start: 132 @14800 has 199 MA's), (198, 14887), (Start: 228 @14932 has 2 MA's), (237, 14956), (277, 15061), (282, 15067), (290, 15085), (301, 15115), (349, 15220), (383, 15280), (398, 15301), (404, 15310), (411, 15328), (415, 15334), (427, 15376), (438, 15409), (442, 15421), (459, 15436), (467, 15442), (481, 15460), (486, 15475), (488, 15481), (494, 15502), (501, 15517), (503, 15520), (509, 15532), (510, 15538), (523, 15586), (530, 15598), (531, 15604), (586, 15664), (590, 15676), (606, 15712), (612, 15724), (620, 15745), (644, 15799), (647, 15808), (656, 15826), (659, 15832), (755, 15967), (761, 15976), (764, 15979), (785, 16015), (803, 16054), (813, 16093), (844, 16192), (851, 16213), (862, 16246), (877, 16276), (886, 16306), (888, 16312), (889, 16315), (891, 16321), (905, 16336), (906, 16339), (914, 16360), (916, 16363), (940, 16405), (959, 16477), (960, 16483),

Gene: HarryHoudini_30 Start: 20673, Stop: 22445, Start Num: 145

Candidate Starts for HarryHoudini_30:

(Start: 128 @20649 has 10 MA's), (Start: 145 @20673 has 749 MA's), (Start: 239 @20808 has 1 MA's), (246, 20826), (303, 20907), (304, 20910), (347, 20982), (349, 20985), (381, 21039), (385, 21045), (419, 21108), (423, 21123), (434, 21156), (445, 21189), (470, 21243), (504, 21324), (507, 21327), (516, 21357), (582, 21513), (617, 21600), (675, 21720), (716, 21843), (717, 21846), (720, 21852), (757, 21900), (785, 21942), (795, 21963), (802, 21978), (804, 21984), (821, 22038), (832, 22077), (836, 22092), (847, 22125), (862, 22170), (905, 22281), (907, 22287), (912, 22305), (935, 22341),

Gene: HarryOW_28 Start: 21487, Stop: 23289, Start Num: 148

Candidate Starts for HarryOW_28:

(Start: 148 @21487 has 202 MA's), (Start: 166 @21508 has 28 MA's), (Start: 191 @21550 has 1 MA's), (215, 21595), (349, 21811), (376, 21856), (381, 21865), (407, 21904), (425, 21955), (426, 21958), (463, 22051), (507, 22153), (528, 22222), (616, 22423), (617, 22426), (623, 22447), (674, 22543), (675, 22546), (677, 22552), (701, 22621), (708, 22639), (710, 22648), (720, 22678), (779, 22774), (795, 22807), (802, 22822), (845, 22963), (865, 23020), (907, 23131),

Gene: HashRod_30 Start: 20466, Stop: 22262, Start Num: 145

Candidate Starts for HashRod_30:

(Start: 145 @20466 has 749 MA's), (Start: 191 @20523 has 1 MA's), (199, 20538), (216, 20571), (233, 20592), (Start: 239 @20607 has 1 MA's), (297, 20694), (303, 20706), (304, 20709), (349, 20784), (361, 20799), (379, 20835), (435, 20958), (470, 21042), (516, 21156), (528, 21195), (560, 21282), (616, 21396), (623, 21420), (629, 21438), (675, 21519), (701, 21594), (708, 21612), (717, 21645), (720, 21651), (739, 21690), (777, 21744), (779, 21747), (791, 21768), (810, 21825), (865, 21993), (905, 22098), (907, 22104), (959, 22239),

Gene: HaveUMetTed_30 Start: 20453, Stop: 22249, Start Num: 145

Candidate Starts for HaveUMetTed_30:

(Start: 145 @20453 has 749 MA's), (Start: 191 @20510 has 1 MA's), (199, 20525), (233, 20579), (Start: 239 @20594 has 1 MA's), (297, 20681), (303, 20693), (304, 20696), (349, 20771), (361, 20786), (470, 21029), (528, 21182), (560, 21269), (616, 21383), (623, 21407), (627, 21419), (629, 21425), (675, 21506), (701, 21581), (708, 21599), (710, 21608), (717, 21632), (720, 21638), (739, 21677), (777, 21731), (779, 21734), (791, 21755), (865, 21980), (905, 22085), (907, 22091), (959, 22226),

Gene: Heathen_27 Start: 19708, Stop: 21507, Start Num: 145

Candidate Starts for Heathen_27:

(Start: 145 @19708 has 749 MA's), (Start: 191 @19768 has 1 MA's), (233, 19837), (297, 19939), (303, 19951), (304, 19954), (349, 20029), (361, 20044), (363, 20047), (381, 20083), (440, 20218), (470, 20287), (516, 20401), (560, 20527), (616, 20641), (623, 20665), (627, 20677), (629, 20683), (675, 20764), (701, 20839), (708, 20857), (710, 20866), (717, 20890), (720, 20896), (729, 20911), (753, 20953), (773, 20980), (777, 20989), (779, 20992), (791, 21013), (795, 21025), (865, 21238), (905, 21343), (907, 21349), (959, 21484),

Gene: Hedwig_20 Start: 16954, Stop: 18648, Start Num: 154

Candidate Starts for Hedwig_20:

(Start: 126 @16924 has 1 MA's), (Start: 154 @16954 has 21 MA's), (216, 17056), (244, 17107), (265, 17164), (310, 17215), (355, 17293), (360, 17299), (433, 17449), (487, 17572), (508, 17632), (519, 17668), (533, 17710), (563, 17752), (583, 17776), (594, 17806), (708, 18067), (751, 18142), (783, 18184), (804, 18229), (845, 18325), (846, 18328), (851, 18343), (910, 18502), (912, 18508), (951, 18595), (965, 18640),

Gene: HedwigODU_23 Start: 17157, Stop: 18923, Start Num: 145

Candidate Starts for HedwigODU_23:

(Start: 145 @17157 has 749 MA's), (Start: 170 @17187 has 1 MA's), (251, 17346), (261, 17379), (276, 17409), (291, 17442), (298, 17454), (338, 17544), (361, 17586), (404, 17658), (409, 17667), (422, 17706), (436, 17751), (443, 17772), (444, 17775), (482, 17829), (488, 17847), (504, 17889), (508, 17895), (516, 17922), (586, 18060), (593, 18078), (612, 18120), (619, 18138), (628, 18168), (647, 18195), (693, 18300), (797, 18459), (809, 18495), (820, 18525), (823, 18534), (845, 18609), (862, 18660), (909, 18759), (950, 18855), (960, 18894), (961, 18897), (971, 18915),

Gene: Heffalump_30 Start: 22038, Stop: 23810, Start Num: 145

Candidate Starts for Heffalump_30:

(103, 21972), (Start: 128 @22014 has 10 MA's), (Start: 145 @22038 has 749 MA's), (303, 22272), (304, 22275), (347, 22347), (349, 22350), (381, 22404), (407, 22443), (423, 22488), (434, 22521), (470, 22608), (504, 22689), (507, 22692), (617, 22965), (675, 23085), (717, 23211), (757, 23265), (765, 23274), (779, 23295), (795, 23328), (802, 23343), (804, 23349), (821, 23403), (832, 23442), (836, 23457), (865, 23541), (907, 23652),

Gene: Heftyboy_21 Start: 17643, Stop: 19415, Start Num: 150

Candidate Starts for Heftyboy_21:

(Start: 150 @17643 has 25 MA's), (155, 17649), (172, 17673), (Start: 193 @17706 has 1 MA's), (222, 17754), (244, 17808), (261, 17859), (291, 17922), (341, 18030), (404, 18138), (443, 18252), (444, 18255), (465, 18294), (482, 18309), (486, 18321), (488, 18327), (501, 18363), (504, 18369), (508, 18375), (520, 18414), (527, 18438), (586, 18540), (613, 18603), (627, 18648), (693, 18783), (754, 18882), (802, 18960), (808, 18984), (814, 19005), (822, 19023), (845, 19101), (847, 19107), (914, 19260), (955, 19365), (956, 19368), (960, 19386),

Gene: Hegedechwinu_17 Start: 14659, Stop: 16368, Start Num: 132

Candidate Starts for Hegedechwinu_17:

(Start: 132 @14659 has 199 MA's), (198, 14746), (Start: 228 @14791 has 2 MA's), (237, 14815), (277, 14920), (282, 14926), (290, 14944), (301, 14974), (349, 15079), (383, 15139), (398, 15160), (404, 15169), (415, 15193), (481, 15319), (486, 15334), (488, 15340), (501, 15376), (503, 15379), (509, 15391), (510, 15397), (523, 15445), (530, 15457), (531, 15463), (586, 15523), (590, 15535), (606, 15571), (612, 15583), (644, 15658), (647, 15667), (656, 15685), (659, 15691), (671, 15721), (755, 15826), (761, 15835), (764, 15838), (785, 15874), (813, 15952), (844, 16051), (851, 16072), (862, 16105), (877, 16135), (886, 16165), (889, 16174), (891, 16180), (905, 16195), (906, 16198), (916, 16222), (935, 16252), (940, 16264), (947, 16294), (959, 16336),

Gene: Heinz_19 Start: 15040, Stop: 16656, Start Num: 184

Candidate Starts for Heinz_19:

(Start: 184 @15040 has 11 MA's), (237, 15139), (245, 15163), (294, 15274), (295, 15277), (301, 15295), (304, 15304), (335, 15370), (342, 15385), (346, 15394), (348, 15400), (404, 15490), (423, 15544), (426, 15553), (488, 15643), (504, 15685), (507, 15688), (521, 15733), (527, 15754), (578, 15811), (584, 15826), (586, 15832), (589, 15841), (600, 15859), (632, 15949), (644, 15964), (691, 16063), (695, 16081), (700, 16093), (761, 16132), (779, 16159), (802, 16207), (805, 16219), (808, 16231), (814, 16252), (820, 16264), (824, 16279), (834, 16309), (844, 16345), (909, 16498), (929, 16534), (950, 16594), (951, 16597), (957, 16618), (965, 16642),

Gene: HelDan_27 Start: 19960, Stop: 21759, Start Num: 145

Candidate Starts for HelDan_27:

(Start: 145 @19960 has 749 MA's), (Start: 191 @20020 has 1 MA's), (233, 20089), (297, 20191), (303, 20203), (304, 20206), (349, 20281), (361, 20296), (363, 20299), (381, 20335), (440, 20470), (470, 20539), (516, 20653), (560, 20779), (616, 20893), (623, 20917), (627, 20929), (629, 20935), (675, 21016), (701, 21091), (708, 21109), (710, 21118), (717, 21142), (720, 21148), (729, 21163), (753, 21205), (773, 21232), (777, 21241), (779, 21244), (791, 21265), (795, 21277), (865, 21490), (905, 21595), (907, 21601), (959, 21736),

Gene: Heliosoles_29 Start: 20460, Stop: 22256, Start Num: 145

Candidate Starts for Heliosoles_29:

(Start: 145 @20460 has 749 MA's), (Start: 191 @20517 has 1 MA's), (199, 20532), (233, 20586), (Start: 239 @20601 has 1 MA's), (297, 20688), (303, 20700), (304, 20703), (349, 20778), (361, 20793), (470, 21036), (528, 21189), (560, 21276), (609, 21369), (616, 21390), (623, 21414), (627, 21426), (629, 21432), (675, 21513), (701, 21588), (708, 21606), (710, 21615), (717, 21639), (720, 21645), (729, 21660), (739, 21684), (777, 21738), (779, 21741), (791, 21762), (905, 22092), (907, 22098), (959, 22233),

Gene: Helmet_32 Start: 19977, Stop: 21749, Start Num: 145

Candidate Starts for Helmet_32:

(103, 19911), (Start: 128 @19953 has 10 MA's), (Start: 145 @19977 has 749 MA's), (304, 20214), (347, 20286), (349, 20289), (361, 20304), (381, 20343), (385, 20349), (434, 20460), (436, 20466), (448, 20505), (470, 20547), (488, 20586), (504, 20628), (507, 20631), (560, 20787), (624, 20928), (629, 20943), (720, 21156), (791, 21255), (802, 21282), (817, 21333), (821, 21342), (832, 21381), (833, 21384), (905, 21585), (907, 21591), (959, 21726),

Gene: Henry_24 Start: 19829, Stop: 21424, Start Num: 197

Candidate Starts for Henry_24:

(Start: 137 @19745 has 84 MA's), (Start: 197 @19829 has 47 MA's), (Start: 239 @19907 has 1 MA's), (272, 19994), (282, 20009), (301, 20057), (315, 20096), (363, 20183), (380, 20216), (404, 20252), (417, 20282), (418, 20288), (441, 20357), (483, 20387), (487, 20399), (488, 20402), (510, 20459), (587, 20591), (589, 20597), (617, 20663), (620, 20669), (626, 20693), (647, 20741), (659, 20765), (665, 20774), (695, 20849), (761, 20900), (772, 20915), (833, 21077), (841, 21104), (851, 21134), (890, 21239), (938, 21317), (947, 21353), (950, 21362), (959, 21395), (965, 21410),

Gene: Herbertwm_25 Start: 18795, Stop: 20585, Start Num: 145

Candidate Starts for Herbertwm_25:

(103, 18729), (Start: 128 @18771 has 10 MA's), (Start: 145 @18795 has 749 MA's), (Start: 197 @18855 has 47 MA's), (Start: 239 @18930 has 1 MA's), (240, 18933), (246, 18948), (303, 19029), (304, 19032), (349, 19107), (361, 19122), (381, 19161), (419, 19230), (445, 19311), (470, 19365), (488, 19404), (504, 19446), (627, 19755), (779, 20070), (783, 20079), (802, 20118), (804, 20124), (808, 20142), (810, 20148), (832, 20217), (836, 20232), (894, 20394), (905, 20421), (959, 20562),

Gene: Hercules11_29 Start: 20386, Stop: 22182, Start Num: 145

Candidate Starts for Hercules11_29:

(Start: 145 @20386 has 749 MA's), (Start: 191 @20443 has 1 MA's), (199, 20458), (216, 20491), (233, 20512), (Start: 239 @20527 has 1 MA's), (297, 20614), (303, 20626), (304, 20629), (349, 20704), (361, 20719), (379, 20755), (470, 20962), (516, 21076), (528, 21115), (616, 21316), (623, 21340), (629, 21358), (675, 21439), (701, 21514), (708, 21532), (717, 21565), (720, 21571), (739, 21610), (777, 21664), (779, 21667), (791, 21688), (810, 21745), (865, 21913), (905, 22018), (907, 22024), (959, 22159),

Gene: Hermia_30 Start: 22615, Stop: 24417, Start Num: 148

Candidate Starts for Hermia_30:

(Start: 148 @22615 has 202 MA's), (Start: 166 @22636 has 28 MA's), (Start: 191 @22678 has 1 MA's), (215, 22723), (349, 22939), (376, 22984), (381, 22993), (407, 23032), (425, 23083), (426, 23086), (507, 23281), (528, 23350), (616, 23551), (617, 23554), (623, 23575), (674, 23671), (675, 23674), (677, 23680), (701, 23749), (708, 23767), (710, 23776), (720, 23806), (779, 23902), (795, 23935), (802, 23950), (810, 23980), (845, 24091), (865, 24148), (907, 24259), (966, 24412),

Gene: HermioneGrange_27 Start: 21061, Stop: 22863, Start Num: 148

Candidate Starts for HermioneGrange_27:

(Start: 148 @21061 has 202 MA's), (Start: 166 @21082 has 28 MA's), (Start: 191 @21124 has 1 MA's), (215, 21169), (349, 21385), (376, 21430), (381, 21439), (425, 21529), (426, 21532), (463, 21625), (507, 21727), (528, 21796), (612, 21985), (616, 21997), (617, 22000), (623, 22021), (674, 22117), (675, 22120), (677, 22126), (701, 22195), (708, 22213), (710, 22222), (720, 22252), (779, 22348), (795, 22381), (802, 22396), (845, 22537), (865, 22594), (907, 22705),

Gene: Herod_19 Start: 17764, Stop: 19362, Start Num: 268

Candidate Starts for Herod_19:

(Start: 268 @17764 has 52 MA's), (418, 18022), (424, 18040), (425, 18043), (443, 18097), (472, 18172), (496, 18241), (499, 18250), (505, 18262), (521, 18313), (529, 18340), (532, 18349), (534, 18352), (582, 18385), (605, 18442), (628, 18508), (683, 18619), (694, 18643), (705, 18679), (714, 18712), (745, 18781), (779, 18838), (813, 18928), (894, 19168), (932, 19246),

Gene: Hexamo_31 Start: 19945, Stop: 21717, Start Num: 145

Candidate Starts for Hexamo_31:

(103, 19879), (Start: 128 @19921 has 10 MA's), (Start: 145 @19945 has 749 MA's), (304, 20182), (347, 20254), (349, 20257), (361, 20272), (381, 20311), (385, 20317), (434, 20428), (436, 20434), (448, 20473), (470, 20515), (488, 20554), (504, 20596), (507, 20599), (560, 20755), (624, 20896), (629, 20911), (720, 21124), (791, 21223), (802, 21250), (817, 21301), (821, 21310), (832, 21349), (836, 21364), (865, 21448), (905, 21553), (907, 21559), (959, 21694),

Gene: Hexbug_20 Start: 15776, Stop: 17464, Start Num: 145

Candidate Starts for Hexbug_20:

(Start: 121 @15746 has 1 MA's), (Start: 135 @15773 has 8 MA's), (Start: 145 @15776 has 749 MA's), (Start: 239 @15917 has 1 MA's), (303, 16016), (328, 16067), (344, 16094), (423, 16244), (433, 16274), (442, 16301), (448, 16322), (451, 16331), (463, 16346), (481, 16376), (485, 16388), (487, 16394), (488, 16397), (492, 16412), (516, 16481), (541, 16562), (584, 16604), (587, 16613), (594, 16631), (614, 16676), (648, 16760), (671, 16796), (674, 16799), (675, 16802), (680, 16817), (689, 16835), (708, 16892), (717, 16925), (796, 17021), (802, 17033), (804, 17039), (806, 17048), (818, 17060), (844, 17132), (845, 17135), (846, 17138), (851, 17153), (890, 17261), (893, 17270), (907, 17303), (909, 17312), (959, 17441), (965, 17456),

Gene: Hibiscus_18 Start: 14988, Stop: 16604, Start Num: 184

Candidate Starts for Hibiscus_18:

(Start: 136 @14922 has 1 MA's), (Start: 184 @14988 has 11 MA's), (237, 15087), (245, 15111), (294, 15222), (295, 15225), (301, 15243), (304, 15252), (335, 15318), (342, 15333), (346, 15342), (348, 15348), (404, 15438), (423, 15492), (426, 15501), (488, 15591), (527, 15702), (584, 15774), (586, 15780), (589, 15789), (600, 15807), (632, 15897), (691, 16011), (695, 16029), (700, 16041), (761, 16080), (779, 16107), (802, 16155), (805, 16167), (808, 16179), (814, 16200), (820, 16212), (824, 16227), (834, 16257), (844, 16293), (909, 16446), (929, 16482), (950, 16542), (951, 16545), (957, 16566), (965, 16590),

Gene: Highbury_25 Start: 19407, Stop: 21086, Start Num: 137

Candidate Starts for Highbury_25:

(Start: 137 @19407 has 84 MA's), (Start: 197 @19491 has 47 MA's), (Start: 239 @19569 has 1 MA's), (272, 19656), (282, 19671), (301, 19719), (315, 19758), (363, 19845), (380, 19878), (404, 19914), (417, 19944), (418, 19950), (441, 20019), (483, 20049), (487, 20061), (488, 20064), (510, 20121), (587, 20253), (589, 20259), (617, 20325), (620, 20331), (626, 20355), (647, 20403), (659, 20427), (665, 20436), (695, 20511), (761, 20562), (772, 20577), (833, 20739), (841, 20766), (851, 20796), (890, 20901), (938, 20979), (947, 21015), (950, 21024), (959, 21057), (965, 21072),

Gene: Hilltopfarm_24 Start: 19638, Stop: 21473, Start Num: 102

Candidate Starts for Hilltopfarm_24:

(Start: 102 @19638 has 4 MA's), (Start: 132 @19686 has 199 MA's), (Start: 138 @19695 has 25 MA's), (171, 19734), (Start: 193 @19764 has 1 MA's), (199, 19776), (222, 19812), (236, 19842), (Start: 239 @19851 has 1 MA's), (244, 19866), (261, 19917), (263, 19920), (307, 20019), (380, 20160), (410, 20211), (413, 20217), (425, 20256), (443, 20310), (488, 20379), (504, 20421), (517, 20457), (520, 20466), (546, 20544), (552, 20553), (566, 20583), (585, 20616), (586, 20619), (612, 20679), (621, 20703), (622, 20712), (660, 20781), (700, 20886), (701, 20889), (710, 20916), (826, 21099), (935, 21354), (960, 21444), (961, 21447), (963, 21450),

Gene: HippoPololi_20 Start: 16592, Stop: 18283, Start Num: 145

Candidate Starts for HippoPololi_20:

(Start: 121 @16559 has 1 MA's), (Start: 145 @16592 has 749 MA's), (Start: 156 @16604 has 4 MA's), (Start: 220 @16706 has 45 MA's), (Start: 239 @16736 has 1 MA's), (360, 16940), (379, 16976), (407, 17018), (423, 17063), (463, 17165), (481, 17198), (485, 17210), (486, 17213), (506, 17270), (516, 17303), (521, 17318), (530, 17345), (541, 17384), (584, 17426), (587, 17435), (606, 17480), (616, 17504), (628, 17543), (680, 17639), (686, 17648), (689, 17657), (708, 17714), (712, 17732), (779, 17807), (802, 17855), (806, 17870), (818, 17882), (844, 17954), (845, 17957), (846, 17960), (847, 17963), (881, 18053), (890, 18080), (907, 18122), (909, 18131), (912, 18140),

Gene: Hiro_23 Start: 16605, Stop: 18230, Start Num: 173

Candidate Starts for Hiro_23:

(Start: 162 @16590 has 3 MA's), (Start: 173 @16605 has 32 MA's), (198, 16647), (210, 16674), (236, 16710), (323, 16851), (349, 16896), (421, 17025), (434, 17067), (440, 17085), (443, 17094), (450, 17118), (463, 17136), (481, 17166), (486, 17181), (487, 17184), (501, 17223), (507, 17232), (535, 17316), (582, 17370), (587, 17385), (609, 17433), (617, 17457), (674, 17571), (701, 17649), (713, 17688), (717, 17700), (721, 17709), (757, 17730), (802, 17808), (860, 17955), (900, 18054), (905, 18069), (965, 18222),

Gene: Hitter_19 Start: 16650, Stop: 18296, Start Num: 220

Candidate Starts for Hitter_19:

(196, 16614), (Start: 220 @16650 has 45 MA's), (261, 16752), (295, 16830), (296, 16833), (337, 16929), (355, 16968), (390, 17028), (404, 17049), (423, 17103), (428, 17118), (482, 17214), (510, 17289), (520, 17319), (620, 17502), (626, 17526), (658, 17577), (695, 17670), (700, 17682), (738, 17727), (747, 17742), (809, 17874), (810, 17877), (841, 17976), (847, 17994), (865, 18045), (890, 18111), (927, 18174), (935, 18186),

Gene: Hlubikazi_16 Start: 14904, Stop: 16613, Start Num: 132

Candidate Starts for Hlubikazi_16:

(Start: 132 @14904 has 199 MA's), (198, 14991), (Start: 228 @15036 has 2 MA's), (237, 15060), (277, 15165), (282, 15171), (290, 15189), (301, 15219), (349, 15324), (383, 15384), (398, 15405), (404, 15414), (415, 15438), (481, 15564), (486, 15579), (488, 15585), (501, 15621), (503, 15624), (509, 15636), (510, 15642), (523, 15690), (530, 15702), (531, 15708), (586, 15768), (590, 15780), (606, 15816), (612, 15828), (644, 15903), (647, 15912), (656, 15930), (659, 15936), (671, 15966), (755, 16071), (761, 16080), (764, 16083), (785, 16119), (813, 16197), (844, 16296), (851, 16317), (862, 16350), (877, 16380), (886, 16410), (889, 16419), (891, 16425), (905, 16440), (906, 16443), (916, 16467), (935, 16497), (940, 16509), (947, 16539), (959, 16581),

Gene: Holli_27 Start: 19617, Stop: 21395, Start Num: 145

Candidate Starts for Holli_27:

(Start: 128 @19593 has 10 MA's), (Start: 145 @19617 has 749 MA's), (Start: 191 @19674 has 1 MA's), (Start: 220 @19728 has 45 MA's), (233, 19743), (240, 19761), (297, 19845), (303, 19857), (304, 19860), (349, 19935), (361, 19950), (381, 19989), (434, 20106), (470, 20193), (504, 20274), (521, 20322), (528, 20346), (560, 20433), (587, 20478), (617, 20550), (623, 20571), (629, 20589),

(675, 20670), (708, 20763), (710, 20772), (717, 20796), (720, 20802), (731, 20826), (779, 20880), (791, 20901), (808, 20952), (815, 20976), (833, 21030), (865, 21126), (905, 21231), (909, 21246), (954, 21354), (959, 21372),

Gene: Holliday_20 Start: 16421, Stop: 18118, Start Num: 145

Candidate Starts for Holliday_20:

(Start: 121 @16382 has 1 MA's), (Start: 145 @16421 has 749 MA's), (Start: 156 @16433 has 4 MA's), (182, 16472), (205, 16511), (216, 16532), (244, 16580), (247, 16589), (261, 16631), (303, 16667), (329, 16724), (360, 16772), (375, 16799), (438, 16940), (463, 16997), (469, 17015), (478, 17024), (481, 17030), (495, 17078), (508, 17108), (519, 17144), (521, 17150), (527, 17171), (528, 17174), (549, 17225), (583, 17252), (584, 17255), (594, 17282), (606, 17309), (632, 17381), (655, 17420), (687, 17474), (700, 17516), (730, 17591), (783, 17654), (796, 17681), (798, 17684), (804, 17699), (841, 17783), (844, 17792), (845, 17795), (847, 17801), (851, 17813), (853, 17816), (863, 17846), (866, 17852), (875, 17873), (877, 17876), (894, 17930), (907, 17960), (909, 17969), (937, 18020), (947, 18053), (951, 18065), (956, 18083),

Gene: Holt_25 Start: 19026, Stop: 20705, Start Num: 137

Candidate Starts for Holt_25:

(Start: 137 @19026 has 84 MA's), (Start: 197 @19110 has 47 MA's), (Start: 239 @19188 has 1 MA's), (272, 19275), (282, 19290), (301, 19338), (315, 19377), (363, 19464), (380, 19497), (404, 19533), (417, 19563), (418, 19569), (441, 19638), (483, 19668), (487, 19680), (488, 19683), (510, 19740), (587, 19872), (589, 19878), (617, 19944), (620, 19950), (626, 19974), (647, 20022), (659, 20046), (665, 20055), (695, 20130), (761, 20181), (772, 20196), (833, 20358), (841, 20385), (851, 20415), (890, 20520), (938, 20598), (947, 20634), (950, 20643), (959, 20676), (965, 20691),

Gene: Homines_27 Start: 21386, Stop: 23188, Start Num: 148

Candidate Starts for Homines_27:

(Start: 148 @21386 has 202 MA's), (Start: 166 @21407 has 28 MA's), (Start: 191 @21449 has 1 MA's), (215, 21494), (349, 21710), (376, 21755), (381, 21764), (407, 21803), (425, 21854), (426, 21857), (463, 21950), (507, 22052), (528, 22121), (616, 22322), (617, 22325), (623, 22346), (674, 22442), (675, 22445), (677, 22451), (701, 22520), (708, 22538), (710, 22547), (720, 22577), (779, 22673), (795, 22706), (802, 22721), (845, 22862), (865, 22919), (907, 23030), (966, 23183),

Gene: Homura_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Homura_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Hookmount_28 Start: 20456, Stop: 22255, Start Num: 145

Candidate Starts for Hookmount_28:

(Start: 145 @20456 has 749 MA's), (Start: 191 @20516 has 1 MA's), (233, 20585), (297, 20687), (303, 20699), (304, 20702), (349, 20777), (361, 20792), (381, 20831), (440, 20966), (470, 21035), (516, 21149), (560, 21275), (616, 21389), (623, 21413), (627, 21425), (629, 21431), (675, 21512), (701, 21587), (708, 21605), (710, 21614), (717, 21638), (720, 21644), (729, 21659), (749, 21692), (777, 21737), (779, 21740), (791, 21761), (833, 21890), (865, 21986), (905, 22091), (907, 22097), (959, 22232),

Gene: Hoonter_26 Start: 19736, Stop: 21415, Start Num: 137

Candidate Starts for Hoonter_26:

(Start: 137 @19736 has 84 MA's), (Start: 197 @19820 has 47 MA's), (Start: 239 @19898 has 1 MA's), (272, 19985), (282, 20000), (301, 20048), (315, 20087), (363, 20174), (380, 20207), (404, 20243), (417, 20273), (418, 20279), (441, 20348), (483, 20378), (487, 20390), (488, 20393), (510, 20450), (587, 20582), (589, 20588), (617, 20654), (620, 20660), (626, 20684), (647, 20732), (659, 20756), (665, 20765), (695, 20840), (761, 20891), (772, 20906), (833, 21068), (841, 21095), (851, 21125), (890, 21230), (938, 21308), (947, 21344), (950, 21353), (959, 21386), (965, 21401),

Gene: Hoot_31 Start: 19955, Stop: 21727, Start Num: 145

Candidate Starts for Hoot_31:

(103, 19889), (Start: 128 @19931 has 10 MA's), (Start: 145 @19955 has 749 MA's), (261, 20153), (304, 20192), (347, 20264), (349, 20267), (363, 20285), (381, 20321), (385, 20327), (434, 20438), (436, 20444), (448, 20483), (470, 20525), (488, 20564), (504, 20606), (507, 20609), (523, 20669), (624, 20906), (629, 20921), (675, 21002), (720, 21134), (802, 21260), (817, 21311), (821, 21320), (832, 21359), (833, 21362), (836, 21374), (865, 21458), (905, 21563), (907, 21569), (959, 21704),

Gene: Hope_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Hope_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Hope4ever_27 Start: 21502, Stop: 23304, Start Num: 148

Candidate Starts for Hope4ever_27:

(Start: 148 @21502 has 202 MA's), (Start: 166 @21523 has 28 MA's), (Start: 191 @21565 has 1 MA's), (215, 21610), (349, 21826), (376, 21871), (381, 21880), (407, 21919), (425, 21970), (426, 21973), (463, 22066), (507, 22168), (528, 22237), (612, 22426), (616, 22438), (617, 22441), (623, 22462), (674, 22558), (675, 22561), (677, 22567), (701, 22636), (708, 22654), (710, 22663), (720, 22693), (779, 22789), (795, 22822), (802, 22837), (845, 22978), (865, 23035), (907, 23146),

Gene: Hokey_26 Start: 20107, Stop: 21702, Start Num: 197

Candidate Starts for Hokey_26:

(Start: 137 @20023 has 84 MA's), (Start: 197 @20107 has 47 MA's), (Start: 239 @20185 has 1 MA's), (272, 20272), (282, 20287), (301, 20335), (315, 20374), (363, 20461), (380, 20494), (404, 20530), (417, 20560), (418, 20566), (441, 20635), (483, 20665), (487, 20677), (488, 20680), (510, 20737), (587, 20869), (589, 20875), (617, 20941), (620, 20947), (626, 20971), (647, 21019), (659, 21043), (665, 21052), (695, 21127), (761, 21178), (772, 21193), (833, 21355), (841, 21382), (851, 21412), (890, 21517), (938, 21595), (947, 21631), (950, 21640), (959, 21673), (965, 21688),

Gene: Horseradish_19 Start: 15276, Stop: 16973, Start Num: 145

Candidate Starts for Horseradish_19:

(Start: 121 @15246 has 1 MA's), (Start: 135 @15273 has 8 MA's), (Start: 145 @15276 has 749 MA's), (263, 15486), (376, 15654), (379, 15660), (430, 15768), (442, 15804), (451, 15834), (463, 15849), (481, 15882), (485, 15894), (495, 15930), (516, 15987), (520, 15999), (587, 16119), (596, 16140), (606, 16164), (675, 16314), (680, 16329), (689, 16347), (708, 16404), (796, 16533), (802, 16545), (807, 16563), (818, 16572), (844, 16644), (845, 16647), (847, 16653), (851, 16665), (890, 16770), (893, 16779), (907, 16812), (956, 16938),

Gene: Hortense_20 Start: 17902, Stop: 19482, Start Num: 268

Candidate Starts for Hortense_20:

(217, 17785), (Start: 268 @17902 has 52 MA's), (418, 18160), (425, 18181), (443, 18235), (459, 18274), (482, 18331), (489, 18352), (582, 18523), (588, 18541), (601, 18565), (608, 18586), (628, 18628), (671, 18709), (705, 18799), (722, 18850), (745, 18901), (748, 18904), (779, 18958), (813, 19048), (913, 19327), (918, 19336), (932, 19366),

Gene: HortumSL17_30 Start: 21746, Stop: 23539, Start Num: 143

Candidate Starts for HortumSL17_30:

(Start: 143 @21746 has 53 MA's), (Start: 145 @21749 has 749 MA's), (303, 21983), (304, 21986), (347, 22058), (349, 22061), (361, 22076), (381, 22115), (385, 22121), (434, 22232), (470, 22319), (504, 22400), (507, 22403), (582, 22589), (609, 22652), (617, 22676), (620, 22682), (629, 22715), (675, 22796), (717, 22922), (737, 22964), (739, 22967), (779, 23024), (795, 23057), (802, 23072), (832, 23171), (833, 23174), (836, 23186), (865, 23270), (890, 23336), (905, 23375), (907, 23381), (928, 23426), (950, 23483), (951, 23486),

Gene: Horus_20 Start: 16434, Stop: 18131, Start Num: 145

Candidate Starts for Horus_20:

(Start: 121 @16395 has 1 MA's), (Start: 145 @16434 has 749 MA's), (Start: 156 @16446 has 4 MA's), (158, 16449), (182, 16485), (205, 16524), (216, 16545), (241, 16587), (244, 16593), (245, 16596), (250, 16608), (261, 16644), (303, 16680), (329, 16737), (360, 16785), (375, 16812), (425, 16914), (438, 16953), (463, 17010), (469, 17028), (478, 17037), (481, 17043), (495, 17091), (508, 17121), (519, 17157), (521, 17163), (527, 17184), (528, 17187), (549, 17238), (583, 17265), (584, 17268), (594, 17295), (606, 17322), (632, 17394), (655, 17433), (687, 17487), (710, 17559), (730, 17604), (796, 17694), (804, 17712), (841, 17796), (844, 17805), (845, 17808), (847, 17814), (853, 17829), (863, 17859), (866, 17865), (875, 17886), (877, 17889), (894, 17943), (907, 17973), (909, 17982), (937, 18033), (947, 18066), (951, 18078), (956, 18096),

Gene: Hotshotbaby7_18 Start: 16640, Stop: 18403, Start Num: 138

Candidate Starts for Hotshotbaby7_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Houdini22_27 Start: 19831, Stop: 21609, Start Num: 145

Candidate Starts for Houdini22_27:

(Start: 128 @19807 has 10 MA's), (Start: 145 @19831 has 749 MA's), (Start: 191 @19888 has 1 MA's), (Start: 220 @19942 has 45 MA's), (233, 19957), (240, 19975), (297, 20059), (303, 20071), (304, 20074), (349, 20149), (361, 20164), (381, 20203), (434, 20320), (470, 20407), (504, 20488), (521, 20536), (528, 20560), (560, 20647), (587, 20692), (617, 20764), (623, 20785), (629, 20803), (675, 20884), (708, 20977), (710, 20986), (717, 21010), (720, 21016), (731, 21040), (779, 21094), (791, 21115), (808, 21166), (815, 21190), (833, 21244), (865, 21340), (905, 21445), (909, 21460), (954, 21568), (959, 21586),

Gene: Howe_20 Start: 17902, Stop: 19482, Start Num: 268

Candidate Starts for Howe_20:

(217, 17785), (Start: 268 @17902 has 52 MA's), (418, 18160), (425, 18181), (443, 18235), (459, 18274), (482, 18331), (489, 18352), (582, 18523), (588, 18541), (601, 18565), (608, 18586), (628, 18628), (671, 18709), (705, 18799), (722, 18850), (745, 18901), (748, 18904), (779, 18958), (813, 19048), (913, 19327), (918, 19336), (932, 19366),

Gene: HubbaBubba_40 Start: 26590, Stop: 28194, Start Num: 268

Candidate Starts for HubbaBubba_40:

(Start: 260 @26578 has 35 MA's), (Start: 266 @26587 has 1 MA's), (Start: 268 @26590 has 52 MA's), (Start: 288 @26614 has 1 MA's), (322, 26692), (424, 26875), (443, 26932), (447, 26944), (452, 26959), (484, 27025), (489, 27040), (497, 27064), (527, 27151), (530, 27157), (538, 27181), (572, 27241), (586, 27271), (594, 27292), (633, 27397), (643, 27418), (688, 27505), (704, 27553), (756, 27679), (780, 27715), (844, 27880), (850, 27898), (862, 27934), (943, 28108), (947, 28120), (964, 28177),

Gene: HufflyPuff_23 Start: 19814, Stop: 21409, Start Num: 197

Candidate Starts for HufflyPuff_23:

(Start: 137 @19730 has 84 MA's), (Start: 197 @19814 has 47 MA's), (Start: 239 @19892 has 1 MA's), (272, 19979), (282, 19994), (301, 20042), (315, 20081), (363, 20168), (380, 20201), (404, 20237), (417, 20267), (418, 20273), (441, 20342), (483, 20372), (487, 20384), (488, 20387), (510, 20444), (587, 20576), (589, 20582), (617, 20648), (620, 20654), (626, 20678), (647, 20726), (659, 20750), (665, 20759), (695, 20834), (761, 20885), (772, 20900), (833, 21062), (841, 21089), (851, 21119), (890, 21224), (938, 21302), (947, 21338), (950, 21347), (959, 21380), (965, 21395),

Gene: Hughesyang_35 Start: 27496, Stop: 29229, Start Num: 133

Candidate Starts for Hughesyang_35:

(Start: 133 @27496 has 29 MA's), (Start: 197 @27586 has 47 MA's), (223, 27634), (237, 27664), (247, 27691), (291, 27793), (302, 27823), (345, 27922), (365, 27958), (367, 27964), (380, 27985), (418, 28057), (421, 28066), (427, 28087), (467, 28156), (488, 28195), (489, 28198), (493, 28213), (510, 28252), (523, 28300), (530, 28312), (531, 28318), (573, 28366), (579, 28375), (587, 28396), (595, 28414), (615, 28462), (656, 28564), (686, 28624), (691, 28636), (772, 28720), (779, 28732), (782, 28738), (788, 28750), (791, 28753), (805, 28792), (810, 28810), (823, 28846), (824, 28852), (851, 28939), (885, 29029), (909, 29071), (919, 29089), (936, 29119), (948, 29161), (965, 29215),

Gene: Hugley_19 Start: 17764, Stop: 19362, Start Num: 268

Candidate Starts for Hugley_19:

(Start: 268 @17764 has 52 MA's), (418, 18022), (424, 18040), (425, 18043), (443, 18097), (472, 18172), (496, 18241), (499, 18250), (505, 18262), (521, 18313), (529, 18340), (532, 18349), (534, 18352), (582, 18385), (605, 18442), (628, 18508), (683, 18619), (694, 18643), (705, 18679), (714, 18712), (745, 18781), (779, 18838), (813, 18928), (894, 19168), (932, 19246),

Gene: HuhtaEnerson15_24 Start: 19658, Stop: 21454, Start Num: 145

Candidate Starts for HuhtaEnerson15_24:

(Start: 145 @19658 has 749 MA's), (Start: 220 @19763 has 45 MA's), (240, 19796), (304, 19895), (349, 19970), (361, 19985), (379, 20021), (419, 20093), (423, 20108), (436, 20147), (445, 20174), (451, 20195), (476, 20234), (523, 20372), (527, 20378), (612, 20570), (613, 20573), (616, 20582), (629, 20624), (637, 20642), (674, 20702), (675, 20705), (708, 20798), (710, 20807), (717, 20831), (777, 20939), (795, 20975), (865, 21185), (904, 21287), (907, 21296), (953, 21410), (959, 21431), (961, 21440),

Gene: Huphlepuuff_52 Start: 27205, Stop: 28917, Start Num: 166

Candidate Starts for Huphlepuuff_52:

(120, 27142), (Start: 166 @27205 has 28 MA's), (211, 27286), (246, 27343), (276, 27424), (281, 27430), (317, 27487), (323, 27499), (329, 27511), (352, 27550), (363, 27565), (403, 27634), (423, 27688), (426, 27697), (491, 27853), (510, 27901), (512, 27910), (516, 27919), (528, 27958), (535, 27973), (583, 28036), (587, 28048), (629, 28165), (631, 28168), (657, 28219), (673, 28246), (675, 28249), (682, 28270), (698, 28312), (777, 28432), (787, 28450), (847, 28594), (862, 28639), (871, 28657), (904, 28741), (907, 28750), (912, 28768), (925, 28789), (944, 28834), (946, 28840), (950, 28852), (953, 28864), (957, 28876), (965, 28900), (969, 28906),

Gene: Hurricane_22 Start: 17587, Stop: 19350, Start Num: 145

Candidate Starts for Hurricane_22:

(Start: 138 @17578 has 25 MA's), (Start: 145 @17587 has 749 MA's), (219, 17689), (244, 17746), (261, 17797), (276, 17827), (Start: 288 @17851 has 1 MA's), (404, 18082), (409, 18091), (413, 18103), (443, 18196), (444, 18199), (488, 18271), (491, 18280), (504, 18313), (508, 18319), (520, 18358), (531, 18394), (586, 18484), (613, 18547), (652, 18634), (693, 18727), (742, 18802), (812, 18931), (822, 18955), (829, 18982), (847, 19039), (862, 19084), (909, 19186), (926, 19213), (947, 19273), (950, 19282), (956, 19303), (960, 19321), (963, 19327), (971, 19342),

Gene: Hutc2_28 Start: 20752, Stop: 22551, Start Num: 145

Candidate Starts for Hutc2_28:

(103, 20686), (Start: 128 @20728 has 10 MA's), (Start: 145 @20752 has 749 MA's), (185, 20794), (240, 20890), (246, 20905), (303, 20986), (304, 20989), (349, 21064), (361, 21079), (381, 21118), (385, 21124), (415, 21175), (434, 21235), (436, 21241), (470, 21322), (507, 21406), (551, 21532), (558, 21550), (574, 21577), (629, 21718), (668, 21784), (674, 21796), (675, 21799), (749, 21988), (765, 22015), (773, 22024), (783, 22045), (785, 22048), (795, 22069), (802, 22084), (808, 22108), (832, 22183), (836, 22198), (865, 22282), (905, 22387), (907, 22393), (935, 22447), (966, 22546),

Gene: Hyperbowlee_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Hyperbowlee_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Hyzer_19 Start: 17835, Stop: 19433, Start Num: 268

Candidate Starts for Hyzer_19:

(172, 17634), (Start: 268 @17835 has 52 MA's), (418, 18093), (424, 18111), (425, 18114), (443, 18168), (472, 18243), (496, 18312), (499, 18321), (505, 18333), (521, 18384), (529, 18411), (532, 18420), (534, 18423), (582, 18456), (605, 18513), (628, 18579), (683, 18690), (694, 18714), (705, 18750), (745, 18852), (813, 18999), (894, 19239), (932, 19317),

Gene: ICleared_27 Start: 19825, Stop: 21603, Start Num: 145

Candidate Starts for ICleared_27:

(Start: 128 @19801 has 10 MA's), (Start: 145 @19825 has 749 MA's), (Start: 191 @19882 has 1 MA's), (Start: 220 @19936 has 45 MA's), (233, 19951), (240, 19969), (297, 20053), (303, 20065), (304, 20068), (349, 20143), (361, 20158), (381, 20197), (434, 20314), (470, 20401), (504, 20482), (521, 20530), (528, 20554), (560, 20641), (587, 20686), (617, 20758), (623, 20779), (629, 20797), (675, 20878), (708, 20971), (710, 20980), (717, 21004), (720, 21010), (731, 21034), (779, 21088), (791, 21109), (808, 21160), (815, 21184), (833, 21238), (865, 21334), (905, 21439), (909, 21454), (954, 21562), (959, 21580),

Gene: IDyn_42 Start: 27974, Stop: 29590, Start Num: 260

Candidate Starts for IDyn_42:

(Start: 260 @27974 has 35 MA's), (Start: 268 @27986 has 52 MA's), (Start: 288 @28010 has 1 MA's), (322, 28088), (424, 28271), (443, 28328), (447, 28340), (452, 28355), (484, 28421), (489, 28436), (497, 28460), (527, 28547), (530, 28553), (538, 28577), (572, 28637), (586, 28667), (594, 28688), (633, 28793), (643, 28814), (688, 28901), (704, 28949), (756, 29075), (780, 29111), (844, 29276), (850, 29294), (862, 29330), (943, 29504), (947, 29516), (964, 29573),

Gene: IHOP_24 Start: 20006, Stop: 21601, Start Num: 197

Candidate Starts for IHOP_24:

(Start: 137 @19922 has 84 MA's), (Start: 197 @20006 has 47 MA's), (Start: 239 @20084 has 1 MA's), (272, 20171), (282, 20186), (301, 20234), (315, 20273), (363, 20360), (380, 20393), (404, 20429), (417, 20459), (418, 20465), (441, 20534), (483, 20564), (487, 20576), (488, 20579), (510, 20636), (587, 20768), (589, 20774), (617, 20840), (620, 20846), (626, 20870), (647, 20918), (659, 20942), (665, 20951), (695, 21026), (761, 21077), (772, 21092), (833, 21254), (841, 21281), (851, 21311), (890, 21416), (938, 21494), (947, 21530), (950, 21539), (959, 21572), (965, 21587),

Gene: ILeeKay_29 Start: 21266, Stop: 23068, Start Num: 148

Candidate Starts for ILeeKay_29:

(Start: 148 @21266 has 202 MA's), (Start: 166 @21287 has 28 MA's), (Start: 191 @21329 has 1 MA's), (215, 21374), (349, 21590), (376, 21635), (381, 21644), (407, 21683), (425, 21734), (426, 21737), (507, 21932), (528, 22001), (616, 22202), (617, 22205), (623, 22226), (674, 22322), (675, 22325), (677, 22331), (701, 22400), (708, 22418), (710, 22427), (720, 22457), (779, 22553), (795, 22586), (802, 22601), (845, 22742), (865, 22799), (907, 22910),

Gene: IPhane7_28 Start: 22368, Stop: 24104, Start Num: 147

Candidate Starts for IPhane7_28:

(66, 22146), (Start: 115 @22326 has 3 MA's), (Start: 124 @22341 has 2 MA's), (Start: 147 @22368 has 14 MA's), (Start: 166 @22383 has 28 MA's), (189, 22422), (205, 22452), (207, 22458), (215, 22470), (271, 22575), (274, 22590), (303, 22629), (372, 22752), (376, 22761), (423, 22857), (437, 22899), (438, 22902), (510, 23079), (552, 23190), (583, 23217), (609, 23289), (612, 23298), (613, 23301), (617, 23313), (674, 23433), (675, 23436), (691, 23478), (700, 23508), (703, 23514), (783, 23634), (787, 23640), (936, 23994), (944, 24021), (950, 24039), (952, 24048),

Gene: IbOuu_16 Start: 14805, Stop: 16514, Start Num: 132

Candidate Starts for IbOuu_16:

(Start: 132 @14805 has 199 MA's), (198, 14892), (Start: 228 @14937 has 2 MA's), (237, 14961), (277, 15066), (282, 15072), (290, 15090), (301, 15120), (349, 15225), (379, 15279), (383, 15285), (389, 15294), (398, 15306), (404, 15315), (415, 15339), (481, 15465), (486, 15480), (488, 15486), (501, 15522), (509, 15537), (510, 15543), (523, 15591), (530, 15603), (531, 15609), (586, 15669), (590, 15681), (606, 15717), (612, 15729), (644, 15804), (647, 15813), (656, 15831), (659, 15837), (671, 15867), (755, 15972), (761, 15981), (764, 15984), (785, 16020), (813, 16098), (844, 16197), (851, 16218), (862, 16251), (877, 16281), (886, 16311), (889, 16320), (891, 16326), (905, 16341), (906, 16344), (914, 16365), (916, 16368), (940, 16410), (947, 16440), (959, 16482),

Gene: Ibhubesi_16 Start: 14800, Stop: 16509, Start Num: 132

Candidate Starts for Ibhubesi_16:

(Start: 132 @14800 has 199 MA's), (198, 14887), (Start: 228 @14932 has 2 MA's), (237, 14956), (277, 15061), (282, 15067), (290, 15085), (301, 15115), (349, 15220), (383, 15280), (398, 15301), (404, 15310), (411, 15328), (415, 15334), (427, 15376), (438, 15409), (442, 15421), (459, 15436), (467, 15442), (481, 15460), (486, 15475), (488, 15481), (494, 15502), (501, 15517), (503, 15520), (509, 15532), (510, 15538), (523, 15586), (530, 15598), (531, 15604), (586, 15664), (590, 15676), (606, 15712), (612, 15724), (620, 15745), (644, 15799), (647, 15808), (656, 15826), (659, 15832), (755, 15967), (761, 15976), (764, 15979), (785, 16015), (803, 16054), (813, 16093), (844, 16192), (851, 16213), (862, 16246), (877, 16276), (886, 16306), (888, 16312), (889, 16315), (891, 16321), (905, 16336), (906, 16339), (914, 16360), (916, 16363), (940, 16405), (959, 16477), (960, 16483),

Gene: Ibrahim_19 Start: 16980, Stop: 18686, Start Num: 166

Candidate Starts for Ibrahim_19:

(95, 16872), (101, 16884), (Start: 166 @16980 has 28 MA's), (205, 17046), (252, 17121), (254, 17127), (297, 17211), (326, 17265), (350, 17310), (352, 17313), (391, 17379), (510, 17664), (616,

17886), (698, 18075), (787, 18213), (794, 18225), (862, 18402), (879, 18438), (944, 18603), (952, 18630), (965, 18669), (969, 18675),

Gene: Icee_23 Start: 19489, Stop: 21084, Start Num: 197

Candidate Starts for Icee_23:

(Start: 137 @19405 has 84 MA's), (Start: 197 @19489 has 47 MA's), (Start: 239 @19567 has 1 MA's), (272, 19654), (282, 19669), (301, 19717), (315, 19756), (363, 19843), (380, 19876), (404, 19912), (417, 19942), (418, 19948), (441, 20017), (483, 20047), (487, 20059), (488, 20062), (510, 20119), (587, 20251), (589, 20257), (617, 20323), (620, 20329), (626, 20353), (647, 20401), (659, 20425), (665, 20434), (695, 20509), (761, 20560), (772, 20575), (833, 20737), (841, 20764), (851, 20794), (890, 20899), (938, 20977), (947, 21013), (950, 21022), (959, 21055), (965, 21070),

Gene: Iceman_28 Start: 20116, Stop: 21894, Start Num: 145

Candidate Starts for Iceman_28:

(Start: 128 @20092 has 10 MA's), (Start: 145 @20116 has 749 MA's), (Start: 191 @20173 has 1 MA's), (Start: 220 @20227 has 45 MA's), (233, 20242), (240, 20260), (297, 20344), (303, 20356), (304, 20359), (349, 20434), (361, 20449), (381, 20488), (434, 20605), (470, 20692), (504, 20773), (521, 20821), (528, 20845), (560, 20932), (587, 20977), (617, 21049), (623, 21070), (629, 21088), (675, 21169), (708, 21262), (710, 21271), (717, 21295), (720, 21301), (731, 21325), (779, 21379), (791, 21400), (808, 21451), (815, 21475), (833, 21529), (865, 21625), (905, 21730), (909, 21745), (954, 21853), (959, 21871),

Gene: Ichabod_28 Start: 21290, Stop: 23092, Start Num: 148

Candidate Starts for Ichabod_28:

(Start: 148 @21290 has 202 MA's), (Start: 166 @21311 has 28 MA's), (Start: 191 @21353 has 1 MA's), (215, 21398), (349, 21614), (376, 21659), (381, 21668), (407, 21707), (425, 21758), (426, 21761), (507, 21956), (528, 22025), (616, 22226), (617, 22229), (623, 22250), (674, 22346), (675, 22349), (677, 22355), (701, 22424), (708, 22442), (710, 22451), (720, 22481), (779, 22577), (795, 22610), (802, 22625), (845, 22766), (865, 22823), (907, 22934),

Gene: IdentityCrisis_17 Start: 14307, Stop: 16073, Start Num: 142

Candidate Starts for IdentityCrisis_17:

(Start: 142 @14307 has 1 MA's), (195, 14379), (240, 14460), (250, 14484), (265, 14526), (333, 14628), (349, 14652), (361, 14670), (425, 14805), (438, 14844), (475, 14949), (487, 14979), (504, 15027), (612, 15243), (674, 15375), (708, 15471), (723, 15522), (802, 15648), (804, 15654), (844, 15747), (845, 15750), (903, 15897), (907, 15912), (957, 16041), (959, 16050),

Gene: Idergollasper_56 Start: 33475, Stop: 35211, Start Num: 118

Candidate Starts for Idergollasper_56:

(Start: 113 @33466 has 2 MA's), (Start: 118 @33475 has 26 MA's), (180, 33565), (244, 33682), (256, 33718), (265, 33739), (277, 33766), (282, 33772), (303, 33826), (328, 33877), (404, 34015), (408, 34021), (424, 34072), (425, 34075), (431, 34093), (481, 34144), (488, 34165), (489, 34168), (509, 34216), (510, 34222), (523, 34270), (527, 34276), (530, 34282), (575, 34342), (586, 34366), (587, 34369), (606, 34414), (613, 34429), (616, 34438), (620, 34447), (636, 34492), (647, 34510), (665, 34543), (764, 34681), (777, 34702), (806, 34768), (814, 34798), (830, 34852), (844, 34894), (851, 34915), (858, 34936), (862, 34948), (872, 34969), (891, 35023), (938, 35101), (947, 35137), (953, 35158), (960, 35185),

Gene: Idleandcovert_27 Start: 19904, Stop: 21700, Start Num: 145

Candidate Starts for Idleandcovert_27:

(Start: 145 @19904 has 749 MA's), (Start: 191 @19961 has 1 MA's), (233, 20030), (297, 20132), (303, 20144), (304, 20147), (349, 20222), (361, 20237), (381, 20276), (440, 20411), (470, 20480), (516, 20594), (560, 20720), (616, 20834), (623, 20858), (629, 20876), (675, 20957), (701, 21032), (708,

21050), (710, 21059), (717, 21083), (720, 21089), (729, 21104), (749, 21137), (777, 21182), (779, 21185), (791, 21206), (795, 21218), (798, 21224), (815, 21281), (865, 21431), (877, 21455), (905, 21536), (907, 21542), (959, 21677),

Gene: IgnatiusPatJac_26 Start: 21135, Stop: 22916, Start Num: 166

Candidate Starts for IgnatiusPatJac_26:

(Start: 148 @21114 has 202 MA's), (Start: 166 @21135 has 28 MA's), (Start: 191 @21177 has 1 MA's), (215, 21222), (349, 21438), (376, 21483), (381, 21492), (425, 21582), (426, 21585), (463, 21678), (507, 21780), (528, 21849), (616, 22050), (617, 22053), (623, 22074), (674, 22170), (675, 22173), (677, 22179), (701, 22248), (708, 22266), (710, 22275), (720, 22305), (779, 22401), (795, 22434), (802, 22449), (845, 22590), (865, 22647), (907, 22758),

Gene: Illumine_23 Start: 17171, Stop: 18937, Start Num: 145

Candidate Starts for Illumine_23:

(Start: 145 @17171 has 749 MA's), (Start: 170 @17201 has 1 MA's), (251, 17360), (261, 17393), (276, 17423), (291, 17456), (298, 17468), (338, 17558), (357, 17594), (361, 17600), (404, 17672), (409, 17681), (422, 17720), (436, 17765), (437, 17768), (443, 17786), (444, 17789), (488, 17861), (504, 17903), (508, 17909), (516, 17936), (527, 17972), (548, 18029), (586, 18074), (593, 18092), (619, 18152), (628, 18182), (647, 18209), (693, 18314), (750, 18404), (797, 18473), (809, 18509), (820, 18539), (823, 18548), (845, 18623), (862, 18674), (909, 18773), (938, 18824), (960, 18908), (961, 18911), (971, 18929),

Gene: Inca_23 Start: 18509, Stop: 20104, Start Num: 197

Candidate Starts for Inca_23:

(Start: 137 @18425 has 84 MA's), (Start: 197 @18509 has 47 MA's), (Start: 239 @18587 has 1 MA's), (272, 18674), (282, 18689), (301, 18737), (315, 18776), (363, 18863), (380, 18896), (404, 18932), (417, 18962), (418, 18968), (441, 19037), (483, 19067), (487, 19079), (488, 19082), (510, 19139), (587, 19271), (589, 19277), (617, 19343), (620, 19349), (626, 19373), (647, 19421), (659, 19445), (665, 19454), (695, 19529), (761, 19580), (772, 19595), (833, 19757), (841, 19784), (851, 19814), (890, 19919), (938, 19997), (947, 20033), (950, 20042), (959, 20075), (965, 20090),

Gene: Indra_31 Start: 19978, Stop: 21750, Start Num: 145

Candidate Starts for Indra_31:

(103, 19912), (Start: 128 @19954 has 10 MA's), (Start: 145 @19978 has 749 MA's), (304, 20215), (347, 20287), (349, 20290), (361, 20305), (381, 20344), (385, 20350), (434, 20461), (436, 20467), (448, 20506), (470, 20548), (488, 20587), (504, 20629), (507, 20632), (560, 20788), (624, 20929), (629, 20944), (720, 21157), (791, 21256), (802, 21283), (817, 21334), (821, 21343), (832, 21382), (833, 21385), (905, 21586), (907, 21592), (959, 21727),

Gene: Inky_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Inky_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Insomnia_28 Start: 20807, Stop: 22606, Start Num: 145

Candidate Starts for Insomnia_28:

(103, 20741), (Start: 128 @20783 has 10 MA's), (Start: 145 @20807 has 749 MA's), (185, 20849), (240, 20945), (246, 20960), (303, 21041), (304, 21044), (349, 21119), (361, 21134), (381, 21173), (385, 21179), (415, 21230), (434, 21290), (436, 21296), (470, 21377), (507, 21461), (551, 21587),

(558, 21605), (574, 21632), (629, 21773), (668, 21839), (674, 21851), (675, 21854), (749, 22043), (765, 22070), (773, 22079), (783, 22100), (785, 22103), (795, 22124), (802, 22139), (808, 22163), (832, 22238), (836, 22253), (865, 22337), (905, 22442), (907, 22448), (935, 22502), (966, 22601),

Gene: Inspectinfecti_34 Start: 29501, Stop: 31126, Start Num: 190

Candidate Starts for Inspectinfecti_34:

(Start: 190 @29501 has 16 MA's), (198, 29513), (214, 29546), (219, 29555), (227, 29567), (Start: 239 @29597 has 1 MA's), (289, 29714), (294, 29726), (326, 29801), (354, 29861), (371, 29891), (489, 30098), (500, 30128), (517, 30173), (537, 30233), (586, 30281), (616, 30353), (627, 30386), (628, 30389), (649, 30428), (668, 30467), (700, 30554), (701, 30557), (787, 30635), (809, 30695), (824, 30740), (847, 30821), (867, 30875), (909, 30971), (959, 31100), (965, 31115),

Gene: Inventum_16 Start: 14940, Stop: 16649, Start Num: 132

Candidate Starts for Inventum_16:

(Start: 132 @14940 has 199 MA's), (198, 15027), (Start: 228 @15072 has 2 MA's), (237, 15096), (277, 15201), (282, 15207), (290, 15225), (301, 15255), (349, 15360), (383, 15420), (398, 15441), (404, 15450), (415, 15474), (481, 15600), (486, 15615), (488, 15621), (501, 15657), (503, 15660), (509, 15672), (510, 15678), (523, 15726), (530, 15738), (531, 15744), (586, 15804), (590, 15816), (606, 15852), (612, 15864), (644, 15939), (647, 15948), (656, 15966), (659, 15972), (671, 16002), (755, 16107), (764, 16119), (785, 16155), (813, 16233), (844, 16332), (851, 16353), (862, 16386), (877, 16416), (886, 16446), (889, 16455), (891, 16461), (905, 16476), (906, 16479), (914, 16500), (916, 16503), (940, 16545), (947, 16575), (959, 16617),

Gene: InvictusManeo_21 Start: 17595, Stop: 19367, Start Num: 150

Candidate Starts for InvictusManeo_21:

(Start: 150 @17595 has 25 MA's), (155, 17601), (172, 17625), (Start: 193 @17658 has 1 MA's), (222, 17706), (244, 17760), (261, 17811), (291, 17874), (341, 17982), (404, 18090), (443, 18204), (444, 18207), (465, 18246), (482, 18261), (486, 18273), (488, 18279), (501, 18315), (504, 18321), (508, 18327), (520, 18366), (527, 18390), (586, 18492), (613, 18555), (693, 18735), (754, 18834), (802, 18912), (808, 18936), (810, 18942), (822, 18975), (845, 19053), (847, 19059), (914, 19212), (955, 19317), (956, 19320), (960, 19338),

Gene: Iracema64_28 Start: 20138, Stop: 21916, Start Num: 145

Candidate Starts for Iracema64_28:

(Start: 128 @20114 has 10 MA's), (Start: 145 @20138 has 749 MA's), (Start: 191 @20195 has 1 MA's), (Start: 220 @20249 has 45 MA's), (233, 20264), (240, 20282), (297, 20366), (303, 20378), (304, 20381), (349, 20456), (361, 20471), (381, 20510), (434, 20627), (470, 20714), (504, 20795), (521, 20843), (528, 20867), (560, 20954), (587, 20999), (617, 21071), (623, 21092), (629, 21110), (708, 21284), (710, 21293), (717, 21317), (720, 21323), (731, 21347), (779, 21401), (791, 21422), (808, 21473), (815, 21497), (833, 21551), (865, 21647), (905, 21752), (909, 21767), (954, 21875), (959, 21893),

Gene: IrishSherpFalk_17 Start: 16164, Stop: 17873, Start Num: 132

Candidate Starts for IrishSherpFalk_17:

(Start: 132 @16164 has 199 MA's), (198, 16251), (Start: 228 @16296 has 2 MA's), (237, 16320), (277, 16425), (282, 16431), (290, 16449), (301, 16479), (349, 16584), (383, 16644), (398, 16665), (404, 16674), (415, 16698), (425, 16734), (427, 16740), (438, 16773), (439, 16776), (442, 16785), (459, 16800), (467, 16806), (481, 16824), (486, 16839), (488, 16845), (493, 16863), (494, 16866), (501, 16881), (509, 16896), (510, 16902), (523, 16950), (530, 16962), (531, 16968), (586, 17028), (590, 17040), (606, 17076), (612, 17088), (644, 17163), (647, 17172), (656, 17190), (659, 17196), (671, 17226), (755, 17331), (764, 17343), (785, 17379), (813, 17457), (851, 17577), (862, 17610), (877, 17640), (880, 17652), (886, 17670), (888, 17676), (889, 17679), (891, 17685), (905, 17700), (906, 17703), (914, 17724), (916, 17727), (940, 17769), (947, 17799), (959, 17841), (960, 17847),

Gene: IronMan_30 Start: 21747, Stop: 23519, Start Num: 145

Candidate Starts for IronMan_30:

(Start: 145 @21747 has 749 MA's), (Start: 239 @21882 has 1 MA's), (303, 21981), (304, 21984), (347, 22056), (349, 22059), (376, 22104), (415, 22170), (423, 22197), (434, 22230), (470, 22317), (507, 22401), (560, 22557), (583, 22590), (629, 22713), (668, 22779), (675, 22794), (717, 22920), (720, 22926), (757, 22974), (795, 23037), (802, 23052), (804, 23058), (808, 23076), (832, 23151), (865, 23250), (905, 23355), (907, 23361), (912, 23379), (928, 23406),

Gene: Isca_27 Start: 19841, Stop: 21640, Start Num: 145

Candidate Starts for Isca_27:

(Start: 145 @19841 has 749 MA's), (Start: 191 @19901 has 1 MA's), (233, 19970), (297, 20072), (303, 20084), (304, 20087), (349, 20162), (361, 20177), (363, 20180), (381, 20216), (440, 20351), (470, 20420), (516, 20534), (560, 20660), (616, 20774), (617, 20777), (623, 20798), (629, 20816), (675, 20897), (701, 20972), (708, 20990), (710, 20999), (720, 21029), (729, 21044), (739, 21068), (749, 21077), (777, 21122), (779, 21125), (791, 21146), (795, 21158), (865, 21371), (877, 21395), (905, 21476), (907, 21482), (959, 21617),

Gene: Isiphiwo_31 Start: 20047, Stop: 21819, Start Num: 145

Candidate Starts for Isiphiwo_31:

(Start: 145 @20047 has 749 MA's), (261, 20245), (304, 20284), (347, 20356), (349, 20359), (363, 20377), (381, 20413), (385, 20419), (434, 20530), (436, 20536), (470, 20617), (488, 20656), (504, 20698), (507, 20701), (523, 20761), (624, 20998), (629, 21013), (675, 21094), (720, 21226), (731, 21250), (802, 21352), (817, 21403), (821, 21412), (832, 21451), (833, 21454), (836, 21466), (865, 21550), (905, 21655), (907, 21661), (959, 21796),

Gene: Island3_19 Start: 16495, Stop: 18228, Start Num: 139

Candidate Starts for Island3_19:

(Start: 139 @16495 has 6 MA's), (208, 16594), (214, 16603), (245, 16669), (254, 16693), (279, 16753), (282, 16756), (294, 16783), (379, 16963), (395, 16987), (404, 16999), (415, 17023), (481, 17149), (486, 17164), (489, 17173), (503, 17209), (510, 17227), (530, 17287), (612, 17413), (636, 17479), (644, 17488), (647, 17497), (659, 17521), (761, 17665), (788, 17710), (824, 17812), (826, 17821), (830, 17839), (832, 17842), (886, 18001), (892, 18019), (905, 18055), (909, 18070), (938, 18118), (957, 18187),

Gene: Itos_18 Start: 16989, Stop: 18722, Start Num: 165

Candidate Starts for Itos_18:

(Start: 165 @16989 has 28 MA's), (205, 17058), (274, 17199), (276, 17202), (306, 17247), (326, 17280), (329, 17289), (350, 17325), (379, 17379), (397, 17406), (405, 17418), (423, 17469), (425, 17475), (436, 17508), (500, 17661), (510, 17685), (512, 17694), (527, 17739), (533, 17754), (583, 17832), (626, 17952), (657, 18015), (691, 18087), (703, 18123), (783, 18243), (787, 18249), (794, 18261), (826, 18324), (854, 18411), (862, 18438), (890, 18507), (897, 18522), (905, 18534), (912, 18558), (944, 18636),

Gene: Iwokeuplikedis_29 Start: 19935, Stop: 21707, Start Num: 145

Candidate Starts for Iwokeuplikedis_29:

(Start: 128 @19911 has 10 MA's), (Start: 145 @19935 has 749 MA's), (216, 20034), (Start: 239 @20070 has 1 MA's), (246, 20088), (303, 20169), (304, 20172), (347, 20244), (349, 20247), (381, 20301), (385, 20307), (423, 20385), (434, 20418), (470, 20505), (504, 20586), (507, 20589), (560, 20745), (582, 20775), (617, 20862), (668, 20967), (675, 20982), (720, 21114), (757, 21162), (795, 21225), (802, 21240), (804, 21246), (806, 21255), (821, 21300), (832, 21339), (836, 21354), (847, 21387), (905, 21543), (907, 21549), (928, 21594),

Gene: JAWS_23 Start: 17142, Stop: 18908, Start Num: 145

Candidate Starts for JAWS_23:

(Start: 145 @17142 has 749 MA's), (Start: 170 @17172 has 1 MA's), (251, 17331), (261, 17364), (276, 17394), (291, 17427), (298, 17439), (338, 17529), (361, 17571), (404, 17643), (409, 17652), (422, 17691), (436, 17736), (443, 17757), (444, 17760), (482, 17814), (488, 17832), (504, 17874), (508, 17880), (516, 17907), (586, 18045), (593, 18063), (612, 18105), (619, 18123), (628, 18153), (647, 18180), (693, 18285), (797, 18444), (809, 18480), (820, 18510), (823, 18519), (845, 18594), (862, 18645), (950, 18840), (960, 18879), (961, 18882), (971, 18900),

Gene: JC27_29 Start: 22002, Stop: 23804, Start Num: 148

Candidate Starts for JC27_29:

(Start: 148 @22002 has 202 MA's), (Start: 166 @22023 has 28 MA's), (Start: 191 @22065 has 1 MA's), (215, 22110), (349, 22326), (376, 22371), (381, 22380), (407, 22419), (425, 22470), (426, 22473), (507, 22668), (528, 22737), (616, 22938), (617, 22941), (623, 22962), (674, 23058), (675, 23061), (677, 23067), (701, 23136), (708, 23154), (720, 23193), (779, 23289), (795, 23322), (802, 23337), (845, 23478), (865, 23535), (907, 23646),

Gene: JCole_17 Start: 14749, Stop: 16458, Start Num: 269

Candidate Starts for JCole_17:

(208, 14614), (Start: 269 @14749 has 31 MA's), (324, 14866), (359, 14938), (361, 14941), (379, 14977), (405, 15016), (418, 15037), (452, 15139), (489, 15229), (490, 15232), (532, 15364), (547, 15418), (567, 15469), (581, 15499), (605, 15559), (610, 15571), (628, 15607), (645, 15646), (671, 15688), (688, 15724), (694, 15742), (697, 15757), (707, 15781), (731, 15853), (745, 15877), (803, 15985), (841, 16111), (846, 16126), (860, 16168), (893, 16261), (894, 16264), (918, 16312), (932, 16342), (940, 16360), (941, 16372), (953, 16411),

Gene: JF1_24 Start: 18622, Stop: 20409, Start Num: 145

Candidate Starts for JF1_24:

(Start: 121 @18583 has 1 MA's), (Start: 138 @18613 has 25 MA's), (Start: 143 @18619 has 53 MA's), (Start: 145 @18622 has 749 MA's), (Start: 168 @18637 has 2 MA's), (Start: 193 @18679 has 1 MA's), (222, 18727), (Start: 239 @18766 has 1 MA's), (244, 18781), (251, 18799), (261, 18832), (276, 18862), (298, 18907), (304, 18925), (338, 18997), (341, 19003), (357, 19033), (359, 19036), (395, 19099), (404, 19111), (456, 19246), (464, 19264), (486, 19294), (488, 19300), (493, 19318), (508, 19348), (520, 19387), (586, 19513), (613, 19576), (693, 19777), (710, 19831), (754, 19876), (781, 19921), (797, 19945), (808, 19978), (820, 20011), (841, 20083), (845, 20095), (862, 20146), (865, 20152), (914, 20254), (960, 20380), (971, 20401),

Gene: JF2_27 Start: 19592, Stop: 21391, Start Num: 145

Candidate Starts for JF2_27:

(Start: 145 @19592 has 749 MA's), (Start: 191 @19652 has 1 MA's), (233, 19721), (297, 19823), (303, 19835), (304, 19838), (349, 19913), (361, 19928), (363, 19931), (381, 19967), (440, 20102), (470, 20171), (516, 20285), (560, 20411), (616, 20525), (617, 20528), (623, 20549), (629, 20567), (675, 20648), (701, 20723), (708, 20741), (710, 20750), (717, 20774), (720, 20780), (729, 20795), (739, 20819), (749, 20828), (777, 20873), (779, 20876), (791, 20897), (795, 20909), (865, 21122), (877, 21146), (905, 21227), (907, 21233), (959, 21368),

Gene: JF4_27 Start: 19592, Stop: 21391, Start Num: 145

Candidate Starts for JF4_27:

(Start: 145 @19592 has 749 MA's), (Start: 191 @19652 has 1 MA's), (233, 19721), (297, 19823), (303, 19835), (304, 19838), (349, 19913), (361, 19928), (363, 19931), (381, 19967), (440, 20102), (470, 20171), (516, 20285), (560, 20411), (616, 20525), (617, 20528), (623, 20549), (629, 20567), (675, 20648), (701, 20723), (708, 20741), (710, 20750), (717, 20774), (720, 20780), (729, 20795), (739, 20819), (749, 20828), (777, 20873), (779, 20876), (791, 20897), (795, 20909), (865, 21122), (877,

21146), (905, 21227), (907, 21233), (959, 21368),

Gene: JHC117_29 Start: 20377, Stop: 22173, Start Num: 145

Candidate Starts for JHC117_29:

(Start: 145 @20377 has 749 MA's), (Start: 191 @20434 has 1 MA's), (199, 20449), (216, 20482), (233, 20503), (Start: 239 @20518 has 1 MA's), (297, 20605), (303, 20617), (304, 20620), (349, 20695), (361, 20710), (379, 20746), (470, 20953), (516, 21067), (528, 21106), (552, 21166), (560, 21193), (616, 21307), (623, 21331), (629, 21349), (675, 21430), (701, 21505), (708, 21523), (717, 21556), (720, 21562), (739, 21601), (777, 21655), (779, 21658), (791, 21679), (810, 21736), (865, 21904), (905, 22009), (907, 22015), (959, 22150),

Gene: JKSyngboy_32 Start: 30214, Stop: 31977, Start Num: 107

Candidate Starts for JKSyngboy_32:

(Start: 107 @30214 has 72 MA's), (Start: 126 @30250 has 1 MA's), (210, 30379), (216, 30388), (235, 30412), (259, 30484), (265, 30493), (319, 30562), (349, 30613), (356, 30622), (376, 30658), (385, 30673), (397, 30691), (425, 30754), (440, 30799), (443, 30808), (495, 30928), (503, 30943), (506, 30952), (510, 30967), (520, 30997), (644, 31237), (649, 31252), (674, 31294), (675, 31297), (686, 31324), (783, 31507), (845, 31648), (846, 31651), (862, 31699), (875, 31726), (884, 31753), (905, 31807), (913, 31834),

Gene: JSwag_30 Start: 19079, Stop: 20866, Start Num: 145

Candidate Starts for JSwag_30:

(103, 19013), (Start: 128 @19055 has 10 MA's), (Start: 145 @19079 has 749 MA's), (240, 19217), (259, 19274), (304, 19316), (328, 19352), (349, 19391), (391, 19460), (407, 19484), (426, 19538), (488, 19688), (507, 19733), (516, 19763), (527, 19799), (543, 19850), (559, 19886), (587, 19934), (613, 19994), (674, 20123), (701, 20201), (802, 20402), (804, 20408), (833, 20504), (892, 20669), (938, 20768),

Gene: Jaan_31 Start: 22136, Stop: 23908, Start Num: 145

Candidate Starts for Jaan_31:

(Start: 128 @22112 has 10 MA's), (Start: 145 @22136 has 749 MA's), (Start: 239 @22271 has 1 MA's), (246, 22289), (303, 22370), (304, 22373), (347, 22445), (349, 22448), (415, 22559), (423, 22586), (434, 22619), (448, 22664), (470, 22706), (507, 22790), (560, 22946), (583, 22979), (668, 23168), (675, 23183), (717, 23309), (720, 23315), (795, 23426), (802, 23441), (804, 23447), (821, 23501), (832, 23540), (836, 23555), (865, 23639), (905, 23744), (907, 23750), (912, 23768), (928, 23795),

Gene: Jabbawokkie_21 Start: 14267, Stop: 15931, Start Num: 150

Candidate Starts for Jabbawokkie_21:

(Start: 150 @14267 has 25 MA's), (204, 14348), (Start: 220 @14378 has 45 MA's), (236, 14399), (240, 14411), (265, 14477), (306, 14516), (310, 14528), (323, 14552), (358, 14609), (360, 14612), (373, 14636), (376, 14642), (377, 14645), (407, 14690), (415, 14708), (426, 14744), (470, 14855), (488, 14891), (495, 14918), (501, 14930), (503, 14933), (516, 14975), (520, 14987), (527, 15011), (574, 15065), (616, 15164), (658, 15257), (675, 15284), (679, 15296), (703, 15347), (708, 15362), (751, 15416), (773, 15443), (845, 15605), (846, 15608), (847, 15611), (890, 15728), (907, 15770), (943, 15854), (957, 15899), (961, 15917),

Gene: Jabberwocky_33 Start: 31361, Stop: 33124, Start Num: 107

Candidate Starts for Jabberwocky_33:

(100, 31343), (Start: 107 @31361 has 72 MA's), (Start: 126 @31397 has 1 MA's), (216, 31535), (259, 31631), (265, 31640), (319, 31709), (349, 31760), (376, 31805), (385, 31820), (425, 31901), (440, 31946), (443, 31955), (487, 32045), (495, 32075), (503, 32090), (510, 32114), (520, 32144), (586, 32249), (629, 32366), (644, 32384), (649, 32399), (668, 32429), (674, 32441), (675, 32444), (686,

32471), (845, 32795), (846, 32798), (862, 32846), (875, 32873), (884, 32900), (905, 32954), (913, 32981), (961, 33110),

Gene: Jabiru_24 Start: 19026, Stop: 20825, Start Num: 145

Candidate Starts for Jabiru_24:

(Start: 145 @19026 has 749 MA's), (304, 19263), (349, 19338), (361, 19353), (379, 19389), (419, 19461), (423, 19476), (434, 19509), (435, 19512), (436, 19515), (516, 19710), (523, 19740), (527, 19746), (560, 19836), (587, 19881), (616, 19950), (629, 19992), (637, 20010), (674, 20070), (675, 20073), (708, 20166), (777, 20307), (795, 20343), (865, 20556), (904, 20658), (907, 20667), (959, 20802),

Gene: Jabith_28 Start: 20807, Stop: 22606, Start Num: 145

Candidate Starts for Jabith_28:

(103, 20741), (Start: 128 @20783 has 10 MA's), (Start: 145 @20807 has 749 MA's), (185, 20849), (240, 20945), (246, 20960), (303, 21041), (304, 21044), (349, 21119), (361, 21134), (381, 21173), (385, 21179), (415, 21230), (434, 21290), (436, 21296), (470, 21377), (507, 21461), (551, 21587), (558, 21605), (574, 21632), (629, 21773), (668, 21839), (674, 21851), (675, 21854), (749, 22043), (765, 22070), (773, 22079), (783, 22100), (785, 22103), (795, 22124), (802, 22139), (808, 22163), (832, 22238), (836, 22253), (865, 22337), (905, 22442), (907, 22448), (935, 22502), (966, 22601),

Gene: Jablanski_20 Start: 17677, Stop: 19383, Start Num: 145

Candidate Starts for Jablanski_20:

(Start: 129 @17653 has 45 MA's), (Start: 145 @17677 has 749 MA's), (216, 17782), (242, 17824), (285, 17899), (349, 18013), (423, 18160), (425, 18166), (500, 18349), (525, 18424), (674, 18706), (681, 18727), (708, 18802), (787, 18925), (802, 18958), (804, 18964), (835, 19030), (845, 19060), (905, 19216), (907, 19222), (912, 19240), (957, 19351),

Gene: Jace_17 Start: 14739, Stop: 16253, Start Num: 300

Candidate Starts for Jace_17:

(146, 14448), (203, 14538), (234, 14598), (Start: 300 @14739 has 1 MA's), (313, 14781), (336, 14826), (365, 14880), (388, 14913), (419, 14964), (470, 15099), (481, 15120), (482, 15123), (489, 15144), (507, 15198), (509, 15204), (581, 15306), (585, 15318), (591, 15336), (614, 15390), (663, 15480), (705, 15594), (748, 15696), (810, 15807), (894, 16056), (933, 16137), (938, 16146), (951, 16194),

Gene: JackSparrow_28 Start: 21464, Stop: 23266, Start Num: 148

Candidate Starts for JackSparrow_28:

(Start: 148 @21464 has 202 MA's), (Start: 166 @21485 has 28 MA's), (Start: 191 @21527 has 1 MA's), (215, 21572), (349, 21788), (376, 21833), (381, 21842), (407, 21881), (425, 21932), (426, 21935), (507, 22130), (528, 22199), (616, 22400), (617, 22403), (623, 22424), (674, 22520), (675, 22523), (677, 22529), (701, 22598), (708, 22616), (710, 22625), (720, 22655), (779, 22751), (795, 22784), (802, 22799), (845, 22940), (865, 22997), (907, 23108),

Gene: JacoRen57_17 Start: 15449, Stop: 17296, Start Num: 116

Candidate Starts for JacoRen57_17:

(Start: 116 @15449 has 4 MA's), (199, 15563), (212, 15584), (Start: 239 @15638 has 1 MA's), (244, 15653), (263, 15707), (298, 15779), (357, 15905), (367, 15926), (393, 15968), (404, 15983), (413, 16004), (417, 16013), (430, 16058), (436, 16076), (437, 16079), (486, 16208), (488, 16214), (493, 16232), (508, 16262), (511, 16277), (531, 16337), (552, 16388), (585, 16424), (586, 16427), (637, 16556), (790, 16811), (822, 16901), (824, 16910), (841, 16967), (877, 17060), (909, 17129), (958, 17255), (960, 17264),

Gene: JalFarm20_18 Start: 15176, Stop: 16885, Start Num: 132

Candidate Starts for JalFarm20_18:

(Start: 132 @15176 has 199 MA's), (198, 15263), (Start: 228 @15308 has 2 MA's), (237, 15332), (277, 15437), (282, 15443), (290, 15461), (301, 15491), (349, 15596), (383, 15656), (398, 15677), (404, 15686), (415, 15710), (481, 15836), (486, 15851), (488, 15857), (501, 15893), (503, 15896), (509, 15908), (510, 15914), (523, 15962), (530, 15974), (531, 15980), (586, 16040), (590, 16052), (606, 16088), (612, 16100), (644, 16175), (647, 16184), (656, 16202), (659, 16208), (671, 16238), (755, 16343), (761, 16352), (764, 16355), (785, 16391), (813, 16469), (844, 16568), (851, 16589), (862, 16622), (877, 16652), (886, 16682), (889, 16691), (891, 16697), (905, 16712), (906, 16715), (916, 16739), (935, 16769), (940, 16781), (947, 16811), (959, 16853),

Gene: Jalammah_21 Start: 17444, Stop: 19090, Start Num: 220

Candidate Starts for Jalammah_21:

(196, 17408), (Start: 220 @17444 has 45 MA's), (261, 17546), (295, 17624), (296, 17627), (337, 17723), (355, 17762), (390, 17822), (404, 17843), (423, 17897), (428, 17912), (510, 18083), (520, 18113), (620, 18296), (626, 18320), (658, 18371), (695, 18464), (700, 18476), (738, 18521), (747, 18536), (809, 18668), (810, 18671), (841, 18770), (847, 18788), (865, 18839), (890, 18905), (927, 18968), (935, 18980),

Gene: Jambalaya_31 Start: 25640, Stop: 27406, Start Num: 107

Candidate Starts for Jambalaya_31:

(90, 25598), (Start: 107 @25640 has 72 MA's), (Start: 126 @25676 has 1 MA's), (Start: 150 @25709 has 25 MA's), (263, 25919), (265, 25922), (303, 25952), (333, 26018), (349, 26042), (356, 26051), (375, 26084), (443, 26237), (463, 26276), (487, 26327), (491, 26339), (495, 26357), (501, 26369), (506, 26381), (510, 26396), (520, 26426), (521, 26429), (527, 26450), (583, 26522), (602, 26570), (649, 26681), (669, 26714), (686, 26753), (687, 26756), (710, 26828), (753, 26894), (759, 26906), (845, 27077), (849, 27089), (851, 27095), (862, 27128), (875, 27155), (884, 27182), (905, 27236), (951, 27353), (957, 27374), (966, 27401),

Gene: James_16 Start: 14804, Stop: 16513, Start Num: 132

Candidate Starts for James_16:

(Start: 132 @14804 has 199 MA's), (198, 14891), (Start: 228 @14936 has 2 MA's), (237, 14960), (256, 15017), (277, 15065), (282, 15071), (290, 15089), (301, 15119), (349, 15224), (379, 15278), (383, 15284), (389, 15293), (404, 15314), (415, 15338), (425, 15374), (427, 15380), (438, 15413), (439, 15416), (442, 15425), (459, 15440), (467, 15446), (481, 15464), (486, 15479), (488, 15485), (493, 15503), (494, 15506), (501, 15521), (509, 15536), (510, 15542), (523, 15590), (530, 15602), (531, 15608), (586, 15668), (590, 15680), (606, 15716), (612, 15728), (644, 15803), (647, 15812), (656, 15830), (659, 15836), (671, 15866), (755, 15971), (764, 15983), (785, 16019), (813, 16097), (851, 16217), (862, 16250), (877, 16280), (880, 16292), (886, 16310), (888, 16316), (889, 16319), (891, 16325), (905, 16340), (906, 16343), (914, 16364), (916, 16367), (940, 16409), (947, 16439), (959, 16481), (960, 16487),

Gene: Jamie19_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Jamie19_18:

(Start: 134 @14993 has 40 MA's), (161, 15020), (185, 15059), (Start: 228 @15125 has 2 MA's), (232, 15137), (245, 15173), (254, 15197), (263, 15224), (272, 15245), (277, 15254), (282, 15260), (296, 15293), (379, 15467), (383, 15473), (389, 15482), (395, 15491), (404, 15503), (415, 15527), (427, 15569), (438, 15602), (481, 15653), (482, 15656), (486, 15668), (501, 15710), (509, 15725), (510, 15731), (523, 15779), (554, 15833), (586, 15857), (616, 15929), (636, 15983), (644, 15992), (647, 16001), (659, 16025), (670, 16052), (671, 16055), (755, 16160), (761, 16169), (785, 16208), (814, 16289), (832, 16346), (844, 16385), (886, 16499), (905, 16529), (906, 16532), (916, 16556), (938, 16592),

Gene: Jamzy_21 Start: 15100, Stop: 16788, Start Num: 145

Candidate Starts for Jamzy_21:

(13, 14440), (27, 14623), (Start: 121 @15070 has 1 MA's), (Start: 135 @15097 has 8 MA's), (Start: 145 @15100 has 749 MA's), (Start: 239 @15241 has 1 MA's), (303, 15340), (323, 15385), (423, 15568), (433, 15598), (447, 15640), (463, 15670), (481, 15700), (485, 15712), (486, 15715), (516, 15805), (538, 15871), (541, 15886), (582, 15922), (587, 15937), (594, 15955), (612, 15994), (614, 16000), (648, 16084), (671, 16120), (674, 16123), (675, 16126), (680, 16141), (689, 16159), (690, 16162), (708, 16216), (796, 16345), (802, 16357), (806, 16372), (818, 16384), (844, 16456), (845, 16459), (846, 16462), (881, 16558), (907, 16627), (909, 16636), (959, 16765), (961, 16774), (965, 16780),

Gene: Jane_18 Start: 16640, Stop: 18403, Start Num: 138

Candidate Starts for Jane_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (222, 16739), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: JangDynasty_56 Start: 33561, Stop: 35297, Start Num: 118

Candidate Starts for JangDynasty_56:

(Start: 113 @33552 has 2 MA's), (Start: 118 @33561 has 26 MA's), (180, 33651), (244, 33768), (256, 33804), (265, 33825), (277, 33852), (282, 33858), (295, 33888), (303, 33912), (328, 33963), (404, 34101), (408, 34107), (424, 34158), (425, 34161), (431, 34179), (481, 34230), (488, 34251), (489, 34254), (509, 34302), (510, 34308), (523, 34356), (527, 34362), (530, 34368), (575, 34428), (586, 34452), (587, 34455), (606, 34500), (613, 34515), (616, 34524), (620, 34533), (636, 34578), (647, 34596), (665, 34629), (764, 34767), (777, 34788), (806, 34854), (814, 34884), (830, 34938), (844, 34980), (851, 35001), (858, 35022), (862, 35034), (872, 35055), (891, 35109), (938, 35187), (947, 35223), (953, 35244), (960, 35271),

Gene: Jacob_16 Start: 14812, Stop: 16521, Start Num: 132

Candidate Starts for Jacob_16:

(Start: 132 @14812 has 199 MA's), (198, 14899), (Start: 228 @14944 has 2 MA's), (237, 14968), (277, 15073), (282, 15079), (290, 15097), (301, 15127), (349, 15232), (379, 15286), (383, 15292), (389, 15301), (404, 15322), (415, 15346), (425, 15382), (427, 15388), (438, 15421), (439, 15424), (442, 15433), (459, 15448), (467, 15454), (481, 15472), (486, 15487), (488, 15493), (493, 15511), (494, 15514), (501, 15529), (509, 15544), (510, 15550), (523, 15598), (530, 15610), (531, 15616), (586, 15676), (590, 15688), (606, 15724), (612, 15736), (644, 15811), (647, 15820), (656, 15838), (659, 15844), (671, 15874), (755, 15979), (764, 15991), (785, 16027), (813, 16105), (851, 16225), (862, 16258), (877, 16288), (880, 16300), (886, 16318), (888, 16324), (889, 16327), (891, 16333), (905, 16348), (906, 16351), (914, 16372), (916, 16375), (940, 16417), (947, 16447), (959, 16489), (960, 16495),

Gene: Jarvi_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Jarvi_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Jasper_28 Start: 20943, Stop: 22745, Start Num: 148

Candidate Starts for Jasper_28:

(Start: 148 @20943 has 202 MA's), (Start: 166 @20964 has 28 MA's), (Start: 191 @21006 has 1 MA's), (215, 21051), (349, 21267), (376, 21312), (381, 21321), (407, 21360), (425, 21411), (426, 21414), (507, 21609), (528, 21678), (616, 21879), (617, 21882), (623, 21903), (674, 21999), (675, 22002), (677, 22008), (701, 22077), (708, 22095), (710, 22104), (720, 22134), (779, 22230), (795, 22263), (802, 22278), (845, 22419), (865, 22476), (907, 22587),

Gene: JasperJr_19 Start: 16654, Stop: 18300, Start Num: 220

Candidate Starts for JasperJr_19:

(196, 16618), (Start: 220 @16654 has 45 MA's), (261, 16756), (295, 16834), (296, 16837), (337, 16933), (355, 16972), (404, 17053), (423, 17107), (428, 17122), (510, 17293), (520, 17323), (620, 17506), (626, 17530), (627, 17533), (658, 17581), (695, 17674), (700, 17686), (738, 17731), (747, 17746), (809, 17878), (810, 17881), (841, 17980), (847, 17998), (865, 18049), (890, 18115), (927, 18178), (935, 18190),

Gene: Jayhawk_24 Start: 17155, Stop: 18921, Start Num: 145

Candidate Starts for Jayhawk_24:

(Start: 145 @17155 has 749 MA's), (Start: 170 @17185 has 1 MA's), (251, 17344), (261, 17377), (276, 17407), (291, 17440), (298, 17452), (338, 17542), (361, 17584), (404, 17656), (409, 17665), (422, 17704), (436, 17749), (443, 17770), (444, 17773), (482, 17827), (488, 17845), (504, 17887), (508, 17893), (516, 17920), (586, 18058), (593, 18076), (612, 18118), (619, 18136), (628, 18166), (647, 18193), (693, 18298), (797, 18457), (809, 18493), (820, 18523), (823, 18532), (845, 18607), (862, 18658), (909, 18757), (950, 18853), (960, 18892), (961, 18895), (971, 18913),

Gene: Jaykayelowell_27 Start: 19823, Stop: 21601, Start Num: 145

Candidate Starts for Jaykayelowell_27:

(Start: 128 @19799 has 10 MA's), (Start: 145 @19823 has 749 MA's), (Start: 191 @19880 has 1 MA's), (Start: 220 @19934 has 45 MA's), (233, 19949), (240, 19967), (297, 20051), (303, 20063), (304, 20066), (349, 20141), (361, 20156), (381, 20195), (434, 20312), (470, 20399), (504, 20480), (521, 20528), (528, 20552), (560, 20639), (587, 20684), (617, 20756), (623, 20777), (629, 20795), (675, 20876), (708, 20969), (710, 20978), (717, 21002), (720, 21008), (731, 21032), (779, 21086), (791, 21107), (808, 21158), (815, 21182), (833, 21236), (865, 21332), (905, 21437), (909, 21452), (954, 21560), (959, 21578),

Gene: JeTaime_26 Start: 20631, Stop: 22226, Start Num: 197

Candidate Starts for JeTaime_26:

(Start: 137 @20547 has 84 MA's), (Start: 197 @20631 has 47 MA's), (Start: 239 @20709 has 1 MA's), (272, 20796), (282, 20811), (301, 20859), (315, 20898), (363, 20985), (380, 21018), (404, 21054), (417, 21084), (418, 21090), (441, 21159), (483, 21189), (487, 21201), (488, 21204), (510, 21261), (587, 21393), (589, 21399), (617, 21465), (620, 21471), (626, 21495), (647, 21543), (659, 21567), (665, 21576), (695, 21651), (761, 21702), (772, 21717), (833, 21879), (841, 21906), (851, 21936), (890, 22041), (938, 22119), (947, 22155), (950, 22164), (959, 22197), (965, 22212),

Gene: Jebeks_19 Start: 16370, Stop: 18106, Start Num: 129

Candidate Starts for Jebeks_19:

(Start: 114 @16346 has 2 MA's), (Start: 129 @16370 has 45 MA's), (174, 16430), (185, 16451), (Start: 187 @16454 has 15 MA's), (250, 16574), (263, 16613), (279, 16646), (291, 16670), (341, 16790), (363, 16829), (365, 16835), (411, 16919), (415, 16925), (418, 16937), (425, 16961), (434, 16988), (441, 17006), (470, 17045), (481, 17051), (489, 17075), (510, 17129), (513, 17141), (517, 17150), (537, 17210), (595, 17288), (612, 17327), (622, 17360), (647, 17426), (654, 17441), (659, 17450), (669, 17474), (686, 17504), (691, 17516), (782, 17618), (788, 17630), (791, 17633), (794, 17639), (796, 17648), (830, 17756), (858, 17840), (898, 17939), (950, 18047), (965, 18095),

Gene: Jeckyll_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Jeckyll_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Jeeves_28 Start: 19427, Stop: 21226, Start Num: 145

Candidate Starts for Jeeves_28:

(Start: 143 @19424 has 53 MA's), (Start: 145 @19427 has 749 MA's), (Start: 239 @19562 has 1 MA's), (265, 19631), (304, 19664), (323, 19694), (347, 19736), (349, 19739), (385, 19799), (434, 19910), (448, 19955), (451, 19964), (470, 19997), (501, 20072), (504, 20078), (507, 20081), (523, 20141), (562, 20243), (583, 20270), (609, 20330), (617, 20354), (629, 20393), (675, 20474), (753, 20672), (802, 20759), (804, 20765), (832, 20858), (836, 20873), (905, 21062), (907, 21068),

Gene: Jeffabunny_31 Start: 19997, Stop: 21769, Start Num: 145

Candidate Starts for Jeffabunny_31:

(103, 19931), (Start: 128 @19973 has 10 MA's), (Start: 145 @19997 has 749 MA's), (304, 20234), (347, 20306), (349, 20309), (361, 20324), (381, 20363), (385, 20369), (434, 20480), (436, 20486), (448, 20525), (470, 20567), (488, 20606), (504, 20648), (507, 20651), (560, 20807), (624, 20948), (629, 20963), (720, 21176), (791, 21275), (802, 21302), (817, 21353), (821, 21362), (832, 21401), (836, 21416), (865, 21500), (905, 21605), (907, 21611), (959, 21746),

Gene: JenCasNa_29 Start: 20378, Stop: 22174, Start Num: 145

Candidate Starts for JenCasNa_29:

(Start: 145 @20378 has 749 MA's), (Start: 191 @20435 has 1 MA's), (199, 20450), (216, 20483), (233, 20504), (Start: 239 @20519 has 1 MA's), (297, 20606), (303, 20618), (304, 20621), (349, 20696), (361, 20711), (379, 20747), (470, 20954), (516, 21068), (528, 21107), (560, 21194), (616, 21308), (623, 21332), (629, 21350), (675, 21431), (701, 21506), (708, 21524), (717, 21557), (720, 21563), (739, 21602), (777, 21656), (779, 21659), (791, 21680), (810, 21737), (824, 21779), (865, 21905), (905, 22010), (907, 22016), (959, 22151),

Gene: JeppNRM_30 Start: 20458, Stop: 22254, Start Num: 145

Candidate Starts for JeppNRM_30:

(Start: 145 @20458 has 749 MA's), (Start: 191 @20515 has 1 MA's), (199, 20530), (233, 20584), (Start: 239 @20599 has 1 MA's), (297, 20686), (303, 20698), (304, 20701), (349, 20776), (361, 20791), (470, 21034), (528, 21187), (560, 21274), (616, 21388), (623, 21412), (627, 21424), (629, 21430), (675, 21511), (701, 21586), (708, 21604), (710, 21613), (717, 21637), (720, 21643), (739, 21682), (777, 21736), (779, 21739), (791, 21760), (865, 21985), (905, 22090), (907, 22096), (959, 22231),

Gene: Jerm_30 Start: 20633, Stop: 22405, Start Num: 145

Candidate Starts for Jerm_30:

(Start: 128 @20609 has 10 MA's), (Start: 145 @20633 has 749 MA's), (216, 20732), (256, 20816), (303, 20867), (304, 20870), (347, 20942), (349, 20945), (381, 20999), (407, 21038), (434, 21116), (470, 21203), (504, 21284), (507, 21287), (582, 21473), (617, 21560), (668, 21665), (675, 21680), (717, 21806), (720, 21812), (757, 21860), (802, 21938), (804, 21944), (821, 21998), (832, 22037), (836, 22052), (865, 22136), (907, 22247),

Gene: Jerm2_28 Start: 21333, Stop: 23135, Start Num: 148

Candidate Starts for Jerm2_28:

(Start: 148 @21333 has 202 MA's), (Start: 166 @21354 has 28 MA's), (Start: 191 @21396 has 1 MA's), (215, 21441), (349, 21657), (376, 21702), (381, 21711), (407, 21750), (425, 21801), (426, 21804), (507, 21999), (528, 22068), (616, 22269), (617, 22272), (623, 22293), (674, 22389), (675, 22392), (677, 22398), (701, 22467), (708, 22485), (710, 22494), (720, 22524), (779, 22620), (795, 22653), (802, 22668), (845, 22809), (865, 22866), (907, 22977),

Gene: Jester_23 Start: 16278, Stop: 17918, Start Num: 162

Candidate Starts for Jester_23:

(Start: 162 @16278 has 3 MA's), (Start: 173 @16293 has 32 MA's), (198, 16335), (210, 16362), (236, 16398), (323, 16539), (349, 16584), (421, 16713), (434, 16755), (440, 16773), (443, 16782), (450, 16806), (463, 16824), (481, 16854), (486, 16869), (487, 16872), (501, 16911), (507, 16920), (535, 17004), (582, 17058), (587, 17073), (609, 17121), (617, 17145), (674, 17259), (701, 17337), (713, 17376), (717, 17388), (721, 17397), (757, 17418), (802, 17496), (860, 17643), (900, 17742), (905, 17757), (965, 17910),

Gene: JetBlade_27 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for JetBlade_27:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (833, 21237), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: JewelBug_31 Start: 19981, Stop: 21753, Start Num: 145

Candidate Starts for JewelBug_31:

(103, 19915), (Start: 128 @19957 has 10 MA's), (Start: 145 @19981 has 749 MA's), (240, 20119), (261, 20179), (304, 20218), (347, 20290), (349, 20293), (363, 20311), (381, 20347), (385, 20353), (434, 20464), (436, 20470), (448, 20509), (470, 20551), (488, 20590), (504, 20632), (507, 20635), (523, 20695), (624, 20932), (629, 20947), (675, 21028), (706, 21115), (720, 21160), (802, 21286), (817, 21337), (821, 21346), (832, 21385), (833, 21388), (836, 21400), (865, 21484), (905, 21589), (907, 21595), (959, 21730),

Gene: Jifall16_40 Start: 30479, Stop: 32092, Start Num: 260

Candidate Starts for Jifall16_40:

(Start: 260 @30479 has 35 MA's), (Start: 288 @30515 has 1 MA's), (295, 30533), (322, 30593), (443, 30833), (447, 30845), (452, 30860), (484, 30926), (489, 30941), (497, 30965), (498, 30968), (527, 31052), (538, 31082), (539, 31085), (572, 31142), (592, 31190), (594, 31193), (604, 31214), (643, 31319), (671, 31364), (688, 31406), (756, 31580), (774, 31610), (780, 31616), (826, 31724), (827, 31727), (851, 31802), (947, 32021), (964, 32078),

Gene: Jinglebell_16 Start: 15041, Stop: 16750, Start Num: 132

Candidate Starts for Jinglebell_16:

(Start: 132 @15041 has 199 MA's), (198, 15128), (210, 15149), (Start: 228 @15173 has 2 MA's), (237, 15197), (244, 15218), (277, 15302), (282, 15308), (290, 15326), (301, 15356), (349, 15461), (379, 15515), (383, 15521), (395, 15539), (398, 15542), (404, 15551), (415, 15575), (438, 15650), (442, 15662), (459, 15677), (467, 15683), (481, 15701), (486, 15716), (488, 15722), (496, 15749), (501, 15758), (509, 15773), (510, 15779), (523, 15827), (530, 15839), (531, 15845), (586, 15905), (590, 15917), (606, 15953), (612, 15965), (620, 15986), (644, 16040), (647, 16049), (656, 16067), (659, 16073), (671, 16103), (755, 16208), (761, 16217), (764, 16220), (785, 16256), (803, 16295), (813, 16334), (851, 16454), (862, 16487), (877, 16517), (886, 16547), (889, 16556), (891, 16562), (905,

16577), (906, 16580), (914, 16601), (916, 16604), (938, 16640), (940, 16646), (947, 16676), (959, 16718),

Gene: Job42_19 Start: 16488, Stop: 18197, Start Num: 132

Candidate Starts for Job42_19:

(Start: 132 @16488 has 199 MA's), (198, 16575), (Start: 228 @16620 has 2 MA's), (237, 16644), (277, 16749), (282, 16755), (290, 16773), (301, 16803), (349, 16908), (383, 16968), (398, 16989), (404, 16998), (415, 17022), (481, 17148), (486, 17163), (488, 17169), (501, 17205), (503, 17208), (509, 17220), (510, 17226), (523, 17274), (530, 17286), (531, 17292), (586, 17352), (590, 17364), (606, 17400), (612, 17412), (644, 17487), (647, 17496), (656, 17514), (659, 17520), (671, 17550), (755, 17655), (761, 17664), (764, 17667), (785, 17703), (813, 17781), (844, 17880), (851, 17901), (862, 17934), (877, 17964), (886, 17994), (889, 18003), (891, 18009), (905, 18024), (906, 18027), (914, 18048), (916, 18051), (935, 18081), (940, 18093), (959, 18165),

Gene: Jobu08_29 Start: 20451, Stop: 22247, Start Num: 145

Candidate Starts for Jobu08_29:

(Start: 145 @20451 has 749 MA's), (Start: 191 @20508 has 1 MA's), (199, 20523), (216, 20556), (233, 20577), (Start: 239 @20592 has 1 MA's), (297, 20679), (303, 20691), (304, 20694), (349, 20769), (361, 20784), (379, 20820), (470, 21027), (528, 21180), (560, 21267), (616, 21381), (623, 21405), (629, 21423), (675, 21504), (701, 21579), (708, 21597), (717, 21630), (720, 21636), (739, 21675), (777, 21729), (779, 21732), (791, 21753), (810, 21810), (865, 21978), (905, 22083), (907, 22089), (959, 22224),

Gene: Jobypre_19 Start: 17373, Stop: 19136, Start Num: 130

Candidate Starts for Jobypre_19:

(Start: 130 @17373 has 38 MA's), (155, 17400), (194, 17463), (Start: 220 @17511 has 45 MA's), (225, 17517), (248, 17553), (276, 17628), (297, 17652), (301, 17658), (329, 17715), (397, 17829), (405, 17841), (443, 17952), (507, 18096), (510, 18108), (521, 18141), (616, 18330), (619, 18336), (638, 18393), (661, 18435), (669, 18444), (675, 18456), (701, 18531), (729, 18600), (732, 18612), (787, 18660), (824, 18726), (847, 18804), (862, 18849), (886, 18906), (912, 18969), (930, 19005), (936, 19020), (944, 19050), (946, 19056), (950, 19068), (952, 19077), (956, 19089),

Gene: JoeDirt_18 Start: 16738, Stop: 18507, Start Num: 130

Candidate Starts for JoeDirt_18:

(Start: 98 @16675 has 1 MA's), (106, 16696), (Start: 114 @16711 has 2 MA's), (Start: 130 @16738 has 38 MA's), (194, 16831), (Start: 220 @16879 has 45 MA's), (225, 16885), (245, 16912), (248, 16921), (274, 16993), (281, 17002), (301, 17026), (306, 17041), (323, 17071), (397, 17197), (403, 17206), (413, 17227), (418, 17242), (440, 17311), (451, 17347), (467, 17368), (494, 17437), (510, 17476), (583, 17614), (587, 17626), (616, 17701), (619, 17707), (623, 17725), (638, 17764), (657, 17797), (661, 17806), (669, 17815), (674, 17824), (716, 17947), (732, 17983), (787, 18031), (794, 18043), (824, 18097), (854, 18193), (859, 18211), (861, 18217), (862, 18220), (879, 18253), (886, 18277), (912, 18340), (932, 18382), (944, 18421), (950, 18439), (956, 18460), (961, 18481),

Gene: JoeyJr_16 Start: 14976, Stop: 16685, Start Num: 132

Candidate Starts for JoeyJr_16:

(Start: 132 @14976 has 199 MA's), (198, 15063), (Start: 228 @15108 has 2 MA's), (237, 15132), (277, 15237), (282, 15243), (290, 15261), (301, 15291), (349, 15396), (383, 15456), (398, 15477), (404, 15486), (415, 15510), (481, 15636), (486, 15651), (488, 15657), (501, 15693), (503, 15696), (509, 15708), (510, 15714), (523, 15762), (530, 15774), (531, 15780), (586, 15840), (590, 15852), (606, 15888), (612, 15900), (644, 15975), (647, 15984), (656, 16002), (659, 16008), (671, 16038), (755, 16143), (761, 16152), (764, 16155), (785, 16191), (813, 16269), (844, 16368), (851, 16389), (862, 16422), (877, 16452), (886, 16482), (889, 16491), (891, 16497), (905, 16512), (906, 16515), (914, 16536), (916, 16539), (940, 16581), (947, 16611), (959, 16653),

Gene: JoieB_51 Start: 27397, Stop: 29109, Start Num: 166

Candidate Starts for JoieB_51:

(120, 27334), (Start: 166 @27397 has 28 MA's), (211, 27478), (246, 27535), (276, 27616), (281, 27622), (317, 27679), (323, 27691), (329, 27703), (352, 27742), (363, 27757), (403, 27826), (423, 27880), (426, 27889), (491, 28045), (510, 28093), (512, 28102), (516, 28111), (528, 28150), (535, 28165), (583, 28228), (587, 28240), (629, 28357), (631, 28360), (657, 28411), (673, 28438), (675, 28441), (682, 28462), (698, 28504), (777, 28624), (787, 28642), (847, 28786), (862, 28831), (871, 28849), (904, 28933), (907, 28942), (912, 28960), (925, 28981), (944, 29026), (946, 29032), (950, 29044), (953, 29056), (959, 29077), (965, 29092), (969, 29098),

Gene: Jojo24_18 Start: 14985, Stop: 16601, Start Num: 184

Candidate Starts for Jojo24_18:

(Start: 184 @14985 has 11 MA's), (237, 15084), (245, 15108), (294, 15219), (295, 15222), (301, 15240), (304, 15249), (335, 15315), (342, 15330), (346, 15339), (348, 15345), (404, 15435), (423, 15489), (426, 15498), (488, 15588), (527, 15699), (584, 15771), (586, 15777), (589, 15786), (600, 15804), (632, 15894), (644, 15909), (686, 15993), (691, 16008), (695, 16026), (700, 16038), (779, 16104), (802, 16152), (805, 16164), (808, 16176), (814, 16197), (820, 16209), (824, 16224), (834, 16254), (844, 16290), (909, 16443), (929, 16479), (951, 16542), (957, 16563), (965, 16587), (968, 16593),

Gene: Jolene_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Jolene_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Jolie2_18 Start: 15988, Stop: 17715, Start Num: 172

Candidate Starts for Jolie2_18:

(Start: 164 @15976 has 42 MA's), (Start: 168 @15982 has 2 MA's), (172, 15988), (222, 16066), (244, 16120), (261, 16171), (276, 16201), (Start: 288 @16225 has 1 MA's), (320, 16303), (335, 16327), (357, 16372), (413, 16471), (481, 16627), (488, 16648), (491, 16657), (504, 16690), (508, 16696), (520, 16735), (530, 16765), (586, 16861), (647, 17002), (675, 17059), (693, 17107), (701, 17134), (742, 17182), (744, 17185), (770, 17224), (828, 17350), (851, 17422), (909, 17554), (951, 17653), (963, 17695),

Gene: JonJames_47 Start: 32980, Stop: 34674, Start Num: 149

Candidate Starts for JonJames_47:

(Start: 149 @32980 has 2 MA's), (Start: 193 @33046 has 1 MA's), (Start: 197 @33052 has 47 MA's), (229, 33109), (291, 33268), (296, 33280), (351, 33406), (378, 33454), (486, 33604), (507, 33655), (510, 33667), (511, 33673), (590, 33814), (600, 33829), (663, 33988), (703, 34096), (808, 34225), (810, 34231), (812, 34240), (833, 34303), (845, 34342), (848, 34351), (865, 34399), (893, 34474), (934, 34534), (948, 34582), (956, 34609), (958, 34618), (959, 34621),

Gene: Jonghyun_18 Start: 16640, Stop: 18403, Start Num: 138

Candidate Starts for Jonghyun_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488,

17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: JoongJeon_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for JoongJeon_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: JorRay_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for JorRay_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Jordennis_31 Start: 19942, Stop: 21738, Start Num: 128

Candidate Starts for Jordennis_31:

(103, 19900), (Start: 128 @19942 has 10 MA's), (Start: 145 @19966 has 749 MA's), (261, 20164), (304, 20203), (347, 20275), (349, 20278), (363, 20296), (381, 20332), (385, 20338), (434, 20449), (436, 20455), (470, 20536), (488, 20575), (504, 20617), (507, 20620), (523, 20680), (624, 20917), (629, 20932), (675, 21013), (706, 21100), (720, 21145), (802, 21271), (817, 21322), (821, 21331), (832, 21370), (833, 21373), (836, 21385), (865, 21469), (905, 21574), (907, 21580), (959, 21715),

Gene: Jorgensen_27 Start: 20997, Stop: 22799, Start Num: 148

Candidate Starts for Jorgensen_27:

(Start: 148 @20997 has 202 MA's), (Start: 166 @21018 has 28 MA's), (Start: 191 @21060 has 1 MA's), (215, 21105), (349, 21321), (376, 21366), (381, 21375), (407, 21414), (425, 21465), (426, 21468), (507, 21663), (528, 21732), (616, 21933), (617, 21936), (623, 21957), (674, 22053), (675, 22056), (677, 22062), (701, 22131), (708, 22149), (710, 22158), (720, 22188), (779, 22284), (795, 22317), (802, 22332), (845, 22473), (865, 22530), (907, 22641),

Gene: Joselito_28 Start: 20755, Stop: 22554, Start Num: 145

Candidate Starts for Joselito_28:

(103, 20689), (Start: 128 @20731 has 10 MA's), (Start: 145 @20755 has 749 MA's), (185, 20797), (240, 20893), (246, 20908), (303, 20989), (304, 20992), (349, 21067), (361, 21082), (381, 21121), (385, 21127), (415, 21178), (434, 21238), (436, 21244), (470, 21325), (507, 21409), (551, 21535), (558, 21553), (574, 21580), (629, 21721), (668, 21787), (674, 21799), (675, 21802), (749, 21991), (765, 22018), (773, 22027), (783, 22048), (785, 22051), (795, 22072), (802, 22087), (808, 22111), (832, 22186), (836, 22201), (865, 22285), (905, 22390), (907, 22396), (935, 22450), (966, 22549),

Gene: JoshKayV_30 Start: 20603, Stop: 22375, Start Num: 145

Candidate Starts for JoshKayV_30:

(Start: 128 @20579 has 10 MA's), (Start: 145 @20603 has 749 MA's), (216, 20702), (256, 20786), (303, 20837), (304, 20840), (347, 20912), (349, 20915), (381, 20969), (407, 21008), (434, 21086), (470, 21173), (504, 21254), (507, 21257), (617, 21530), (668, 21635), (675, 21650), (717, 21776), (720, 21782), (757, 21830), (765, 21839), (779, 21860), (795, 21893), (802, 21908), (804, 21914), (821, 21968), (832, 22007), (836, 22022), (865, 22106), (907, 22217),

Gene: Journey13_26 Start: 19324, Stop: 21123, Start Num: 145

Candidate Starts for Journey13_26:

(103, 19258), (Start: 128 @19300 has 10 MA's), (Start: 145 @19324 has 749 MA's), (216, 19423), (240, 19462), (303, 19558), (304, 19561), (347, 19633), (349, 19636), (361, 19651), (381, 19690), (385, 19696), (434, 19807), (436, 19813), (440, 19825), (470, 19894), (493, 19951), (504, 19975), (507, 19978), (551, 20104), (562, 20140), (629, 20290), (668, 20356), (675, 20371), (716, 20494), (749, 20560), (765, 20587), (779, 20608), (783, 20617), (795, 20641), (802, 20656), (808, 20680), (832, 20755), (836, 20770), (905, 20959), (907, 20965), (928, 21010),

Gene: Journey_19 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Journey_19:

(Start: 134 @14989 has 40 MA's), (161, 15016), (Start: 228 @15121 has 2 MA's), (232, 15133), (245, 15169), (263, 15220), (277, 15250), (282, 15256), (294, 15283), (296, 15289), (349, 15409), (379, 15463), (383, 15469), (395, 15487), (404, 15499), (406, 15502), (415, 15523), (427, 15565), (438, 15598), (481, 15649), (486, 15664), (501, 15706), (509, 15721), (510, 15727), (523, 15775), (535, 15799), (554, 15829), (586, 15853), (612, 15913), (616, 15925), (636, 15979), (644, 15988), (670, 16048), (671, 16051), (755, 16156), (761, 16165), (785, 16204), (832, 16342), (885, 16492), (886, 16495), (889, 16504), (905, 16525), (916, 16552), (938, 16588), (965, 16681),

Gene: Jovo_24 Start: 19845, Stop: 21644, Start Num: 145

Candidate Starts for Jovo_24:

(Start: 145 @19845 has 749 MA's), (240, 19983), (304, 20082), (349, 20157), (379, 20208), (419, 20280), (423, 20295), (434, 20328), (436, 20334), (478, 20427), (516, 20529), (523, 20559), (527, 20565), (560, 20655), (582, 20685), (612, 20757), (616, 20769), (617, 20772), (629, 20811), (637, 20829), (674, 20889), (675, 20892), (694, 20943), (708, 20985), (777, 21126), (798, 21168), (907, 21486), (959, 21621),

Gene: Joy99_23 Start: 17117, Stop: 18883, Start Num: 145

Candidate Starts for Joy99_23:

(Start: 145 @17117 has 749 MA's), (Start: 170 @17147 has 1 MA's), (251, 17306), (261, 17339), (276, 17369), (291, 17402), (298, 17414), (338, 17504), (361, 17546), (404, 17618), (409, 17627), (422, 17666), (436, 17711), (443, 17732), (444, 17735), (482, 17789), (488, 17807), (504, 17849), (508, 17855), (516, 17882), (586, 18020), (593, 18038), (612, 18080), (619, 18098), (628, 18128), (647, 18155), (693, 18260), (797, 18419), (809, 18455), (820, 18485), (823, 18494), (845, 18569), (862, 18620), (950, 18815), (960, 18854), (961, 18857), (971, 18875),

Gene: Jsquared_27 Start: 19089, Stop: 20879, Start Num: 145

Candidate Starts for Jsquared_27:

(103, 19023), (Start: 128 @19065 has 10 MA's), (Start: 145 @19089 has 749 MA's), (240, 19227), (246, 19242), (303, 19323), (304, 19326), (347, 19398), (349, 19401), (381, 19455), (385, 19461), (397, 19479), (423, 19539), (434, 19572), (436, 19578), (448, 19617), (470, 19659), (504, 19740), (507, 19743), (523, 19803), (560, 19899), (582, 19929), (616, 20013), (629, 20055), (657, 20106), (675, 20136), (717, 20262), (753, 20325), (795, 20397), (802, 20412), (808, 20436), (832, 20511), (836, 20526), (865, 20610), (905, 20715), (907, 20721), (912, 20739), (928, 20766), (935, 20775),

Gene: JuJu_19 Start: 16575, Stop: 18221, Start Num: 220

Candidate Starts for JuJu_19:

(196, 16539), (Start: 220 @16575 has 45 MA's), (261, 16677), (295, 16755), (337, 16854), (355, 16893), (404, 16974), (423, 17028), (428, 17043), (482, 17139), (510, 17214), (520, 17244), (620, 17427), (626, 17451), (695, 17595), (700, 17607), (738, 17652), (747, 17667), (809, 17799), (810, 17802), (841, 17901), (847, 17919), (888, 18030), (890, 18036), (927, 18099), (935, 18111),

Gene: Jubie_19 Start: 17374, Stop: 19137, Start Num: 130

Candidate Starts for Jubie_19:

(Start: 130 @17374 has 38 MA's), (155, 17401), (194, 17464), (Start: 220 @17512 has 45 MA's), (225, 17518), (248, 17554), (276, 17629), (297, 17653), (301, 17659), (329, 17716), (397, 17830), (405, 17842), (443, 17953), (507, 18097), (510, 18109), (521, 18142), (616, 18331), (619, 18337), (638, 18394), (661, 18436), (669, 18445), (675, 18457), (701, 18532), (729, 18601), (732, 18613), (787, 18661), (824, 18727), (847, 18805), (862, 18850), (886, 18907), (912, 18970), (930, 19006), (936, 19021), (944, 19051), (946, 19057), (950, 19069), (952, 19078), (956, 19090),

Gene: Juice456_18 Start: 15928, Stop: 17637, Start Num: 132

Candidate Starts for Juice456_18:

(Start: 132 @15928 has 199 MA's), (198, 16015), (Start: 228 @16060 has 2 MA's), (237, 16084), (277, 16189), (282, 16195), (290, 16213), (301, 16243), (349, 16348), (353, 16354), (383, 16408), (389, 16417), (398, 16429), (404, 16438), (415, 16462), (442, 16549), (459, 16564), (481, 16588), (486, 16603), (488, 16609), (501, 16645), (503, 16648), (509, 16660), (510, 16666), (523, 16714), (530, 16726), (531, 16732), (586, 16792), (590, 16804), (606, 16840), (612, 16852), (620, 16873), (644, 16927), (647, 16936), (656, 16954), (659, 16960), (671, 16990), (755, 17095), (761, 17104), (764, 17107), (785, 17143), (810, 17209), (813, 17221), (844, 17320), (851, 17341), (862, 17374), (877, 17404), (886, 17434), (889, 17443), (891, 17449), (905, 17464), (906, 17467), (916, 17491), (935, 17521), (940, 17533), (947, 17563), (959, 17605),

Gene: Juicebox_19 Start: 17730, Stop: 19400, Start Num: 159

Candidate Starts for Juicebox_19:

(17, 17085), (23, 17160), (26, 17184), (61, 17439), (62, 17457), (85, 17586), (Start: 149 @17718 has 2 MA's), (Start: 159 @17730 has 1 MA's), (Start: 191 @17781 has 1 MA's), (215, 17826), (265, 17943), (412, 18159), (428, 18204), (431, 18213), (510, 18405), (527, 18459), (582, 18531), (674, 18732), (675, 18735), (684, 18762), (686, 18765), (696, 18801), (699, 18807), (708, 18831), (713, 18852), (716, 18861), (720, 18870), (721, 18873), (806, 18990), (841, 19065), (844, 19074), (912, 19260), (913, 19263), (938, 19302), (949, 19341), (966, 19395),

Gene: JuliaChild_29 Start: 21585, Stop: 23387, Start Num: 148

Candidate Starts for JuliaChild_29:

(Start: 148 @21585 has 202 MA's), (Start: 166 @21606 has 28 MA's), (Start: 191 @21648 has 1 MA's), (215, 21693), (349, 21909), (376, 21954), (381, 21963), (407, 22002), (425, 22053), (426, 22056), (507, 22251), (528, 22320), (616, 22521), (617, 22524), (623, 22545), (674, 22641), (675, 22644), (677, 22650), (701, 22719), (708, 22737), (710, 22746), (720, 22776), (779, 22872), (795, 22905), (802, 22920), (845, 23061), (865, 23118), (907, 23229),

Gene: Juliette_24 Start: 18520, Stop: 20310, Start Num: 143

Candidate Starts for Juliette_24:

(Start: 121 @18484 has 1 MA's), (Start: 138 @18514 has 25 MA's), (Start: 143 @18520 has 53 MA's), (Start: 145 @18523 has 749 MA's), (Start: 168 @18538 has 2 MA's), (Start: 193 @18580 has 1 MA's), (222, 18628), (Start: 239 @18667 has 1 MA's), (244, 18682), (251, 18700), (261, 18733), (276, 18763), (298, 18808), (304, 18826), (338, 18898), (341, 18904), (357, 18934), (359, 18937), (395, 19000), (404, 19012), (456, 19147), (464, 19165), (486, 19195), (488, 19201), (493, 19219), (508, 19249), (520, 19288), (586, 19414), (613, 19477), (693, 19678), (710, 19732), (754, 19777), (781, 19822), (797, 19846), (808, 19879), (820, 19912), (841, 19984), (845, 19996), (862, 20047), (865, 20053), (914, 20155), (960, 20281), (971, 20302),

Gene: Jung_19 Start: 16311, Stop: 18047, Start Num: 129

Candidate Starts for Jung_19:

(Start: 114 @16287 has 2 MA's), (Start: 129 @16311 has 45 MA's), (174, 16371), (185, 16392), (Start: 187 @16395 has 15 MA's), (250, 16515), (263, 16554), (279, 16587), (291, 16611), (341, 16731), (363, 16770), (365, 16776), (411, 16860), (415, 16866), (418, 16878), (425, 16902), (434, 16929), (441, 16947), (470, 16986), (481, 16992), (489, 17016), (510, 17070), (513, 17082), (517, 17091), (537, 17151), (595, 17229), (612, 17268), (622, 17301), (647, 17367), (659, 17391), (669, 17415), (686, 17445), (782, 17559), (788, 17571), (791, 17574), (794, 17580), (796, 17589), (830, 17697), (858, 17781), (898, 17880), (950, 17988), (965, 18036),

Gene: Juniormint_19 Start: 16411, Stop: 18147, Start Num: 129

Candidate Starts for Juniormint_19:

(Start: 114 @16387 has 2 MA's), (Start: 129 @16411 has 45 MA's), (174, 16471), (185, 16492), (Start: 187 @16495 has 15 MA's), (250, 16615), (263, 16654), (279, 16687), (291, 16711), (341, 16831), (363, 16870), (365, 16876), (411, 16960), (415, 16966), (418, 16978), (425, 17002), (434, 17029), (441, 17047), (470, 17086), (481, 17092), (489, 17116), (510, 17170), (513, 17182), (517, 17191), (537, 17251), (595, 17329), (612, 17368), (622, 17401), (647, 17467), (654, 17482), (659, 17491), (669, 17515), (686, 17545), (691, 17557), (782, 17659), (788, 17671), (791, 17674), (794, 17680), (796, 17689), (830, 17797), (858, 17881), (898, 17980), (950, 18088), (965, 18136),

Gene: Juniper1_16 Start: 14801, Stop: 16510, Start Num: 132

Candidate Starts for Juniper1_16:

(Start: 132 @14801 has 199 MA's), (198, 14888), (210, 14909), (Start: 228 @14933 has 2 MA's), (237, 14957), (244, 14978), (277, 15062), (282, 15068), (290, 15086), (301, 15116), (334, 15188), (349, 15221), (379, 15275), (383, 15281), (395, 15299), (398, 15302), (404, 15311), (415, 15335), (427, 15377), (438, 15410), (442, 15422), (459, 15437), (467, 15443), (481, 15461), (486, 15476), (488, 15482), (501, 15518), (503, 15521), (509, 15533), (510, 15539), (523, 15587), (530, 15599), (531, 15605), (586, 15665), (590, 15677), (606, 15713), (612, 15725), (620, 15746), (644, 15800), (647, 15809), (656, 15827), (659, 15833), (671, 15863), (755, 15968), (761, 15977), (764, 15980), (785, 16016), (803, 16055), (813, 16094), (844, 16193), (851, 16214), (862, 16247), (877, 16277), (886, 16307), (888, 16313), (889, 16316), (891, 16322), (905, 16337), (906, 16340), (914, 16361), (916, 16364), (940, 16406), (959, 16478),

Gene: JustASigh_18 Start: 16356, Stop: 18098, Start Num: 143

Candidate Starts for JustASigh_18:

(1, 15306), (2, 15348), (3, 15354), (5, 15468), (11, 15660), (14, 15693), (21, 15771), (36, 15906), (120, 16320), (Start: 143 @16356 has 53 MA's), (207, 16446), (226, 16476), (Start: 239 @16509 has 1 MA's), (286, 16623), (325, 16722), (404, 16863), (410, 16878), (486, 17034), (488, 17040), (489, 17043), (516, 17115), (521, 17130), (523, 17145), (542, 17196), (585, 17244), (663, 17412), (769, 17604), (841, 17772), (855, 17811), (877, 17865), (886, 17895), (909, 17934), (929, 17970), (936, 17982), (953, 18042),

Gene: KADY_30 Start: 20463, Stop: 22259, Start Num: 145

Candidate Starts for KADY_30:

(Start: 145 @20463 has 749 MA's), (Start: 191 @20520 has 1 MA's), (199, 20535), (216, 20568), (233, 20589), (Start: 239 @20604 has 1 MA's), (297, 20691), (303, 20703), (304, 20706), (349, 20781), (361, 20796), (379, 20832), (470, 21039), (516, 21153), (528, 21192), (560, 21279), (616, 21393), (623, 21417), (629, 21435), (675, 21516), (701, 21591), (708, 21609), (717, 21642), (720, 21648), (739, 21687), (777, 21741), (779, 21744), (791, 21765), (810, 21822), (865, 21990), (905, 22095), (907, 22101), (959, 22236),

Gene: KBG_28 Start: 21996, Stop: 23798, Start Num: 148

Candidate Starts for KBG_28:

(Start: 148 @21996 has 202 MA's), (Start: 166 @22017 has 28 MA's), (Start: 191 @22059 has 1 MA's), (215, 22104), (349, 22320), (376, 22365), (381, 22374), (425, 22464), (426, 22467), (507, 22662), (528, 22731), (612, 22920), (616, 22932), (617, 22935), (623, 22956), (674, 23052), (675, 23055), (677, 23061), (701, 23130), (708, 23148), (710, 23157), (720, 23187), (779, 23283), (795, 23316), (802, 23331), (845, 23472), (865, 23529), (907, 23640), (966, 23793),

Gene: KFPoly_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for KFPoly_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (950, 21549), (954, 21564), (959, 21582),

Gene: KSSJEB_27 Start: 20890, Stop: 22692, Start Num: 148

Candidate Starts for KSSJEB_27:

(Start: 148 @20890 has 202 MA's), (Start: 166 @20911 has 28 MA's), (Start: 191 @20953 has 1 MA's), (215, 20998), (349, 21214), (376, 21259), (381, 21268), (407, 21307), (425, 21358), (426, 21361), (507, 21556), (528, 21625), (616, 21826), (617, 21829), (623, 21850), (674, 21946), (675, 21949), (677, 21955), (701, 22024), (708, 22042), (710, 22051), (720, 22081), (779, 22177), (795, 22210), (802, 22225), (845, 22366), (865, 22423), (907, 22534),

Gene: Kabluna_44 Start: 29561, Stop: 31177, Start Num: 260

Candidate Starts for Kabluna_44:

(Start: 260 @29561 has 35 MA's), (Start: 268 @29573 has 52 MA's), (322, 29675), (365, 29759), (452, 29942), (484, 30008), (489, 30023), (497, 30047), (527, 30134), (538, 30164), (539, 30167), (572, 30224), (604, 30296), (643, 30401), (688, 30488), (704, 30536), (756, 30662), (780, 30698), (827, 30809), (851, 30884), (935, 31061), (947, 31103), (964, 31160),

Gene: Kahlid_18 Start: 16994, Stop: 18727, Start Num: 165

Candidate Starts for Kahlid_18:

(Start: 165 @16994 has 28 MA's), (205, 17063), (274, 17204), (276, 17207), (306, 17252), (326, 17285), (329, 17294), (350, 17330), (379, 17384), (397, 17411), (405, 17423), (423, 17474), (425, 17480), (436, 17513), (500, 17666), (510, 17690), (512, 17699), (527, 17744), (533, 17759), (583, 17837), (626, 17957), (657, 18020), (691, 18092), (703, 18128), (783, 18248), (787, 18254), (794, 18266), (826, 18329), (854, 18416), (862, 18443), (890, 18512), (897, 18527), (905, 18539), (912, 18563), (944, 18641),

Gene: Kalah2_37 Start: 27936, Stop: 29669, Start Num: 133

Candidate Starts for Kalah2_37:

(Start: 133 @27936 has 29 MA's), (Start: 197 @28026 has 47 MA's), (223, 28074), (237, 28104), (291, 28233), (302, 28263), (345, 28362), (365, 28398), (380, 28425), (418, 28497), (421, 28506), (427, 28527), (467, 28596), (488, 28635), (489, 28638), (493, 28653), (510, 28692), (523, 28740), (530, 28752), (531, 28758), (573, 28806), (579, 28815), (587, 28836), (595, 28854), (615, 28902), (656, 29004), (686, 29064), (691, 29076), (772, 29160), (779, 29172), (782, 29178), (788, 29190), (791, 29193), (805, 29232), (810, 29250), (823, 29286), (824, 29292), (851, 29379), (885, 29469), (909, 29511), (919, 29529), (936, 29559), (948, 29601), (965, 29655),

Gene: Kalb97_30 Start: 20459, Stop: 22255, Start Num: 145

Candidate Starts for Kalb97_30:

(Start: 145 @20459 has 749 MA's), (Start: 191 @20516 has 1 MA's), (199, 20531), (233, 20585), (Start: 239 @20600 has 1 MA's), (297, 20687), (303, 20699), (304, 20702), (349, 20777), (361, 20792), (470, 21035), (528, 21188), (560, 21275), (609, 21368), (616, 21389), (623, 21413), (627, 21425), (629, 21431), (675, 21512), (701, 21587), (708, 21605), (710, 21614), (717, 21638), (720, 21644), (729, 21659), (739, 21683), (777, 21737), (779, 21740), (791, 21761), (905, 22091), (907, 22097), (959, 22232),

Gene: Kalnoky_30 Start: 20460, Stop: 22256, Start Num: 145

Candidate Starts for Kalnoky_30:

(Start: 145 @20460 has 749 MA's), (Start: 191 @20517 has 1 MA's), (199, 20532), (233, 20586), (Start: 239 @20601 has 1 MA's), (297, 20688), (303, 20700), (304, 20703), (349, 20778), (361, 20793), (470, 21036), (528, 21189), (560, 21276), (616, 21390), (623, 21414), (627, 21426), (629, 21432), (675, 21513), (701, 21588), (708, 21606), (710, 21615), (717, 21639), (720, 21645), (739, 21684), (777, 21738), (779, 21741), (791, 21762), (865, 21987), (905, 22092), (907, 22098), (959, 22233),

Gene: Kalpine_31 Start: 21962, Stop: 23758, Start Num: 128

Candidate Starts for Kalpine_31:

(Start: 128 @21962 has 10 MA's), (Start: 145 @21986 has 749 MA's), (303, 22220), (304, 22223), (347, 22295), (349, 22298), (381, 22352), (385, 22358), (407, 22391), (434, 22469), (470, 22556), (504, 22637), (507, 22640), (516, 22670), (616, 22910), (617, 22913), (629, 22952), (668, 23018), (675, 23033), (720, 23165), (757, 23213), (779, 23243), (795, 23276), (802, 23291), (804, 23297), (821, 23351), (836, 23405), (865, 23489), (890, 23555), (894, 23567), (905, 23594), (907, 23600),

Gene: Kamaru_20 Start: 16421, Stop: 18118, Start Num: 145

Candidate Starts for Kamaru_20:

(Start: 121 @16382 has 1 MA's), (Start: 145 @16421 has 749 MA's), (Start: 156 @16433 has 4 MA's), (182, 16472), (205, 16511), (216, 16532), (244, 16580), (247, 16589), (261, 16631), (303, 16667), (329, 16724), (360, 16772), (375, 16799), (438, 16940), (463, 16997), (469, 17015), (478, 17024), (481, 17030), (495, 17078), (508, 17108), (519, 17144), (521, 17150), (527, 17171), (528, 17174), (549, 17225), (583, 17252), (584, 17255), (594, 17282), (606, 17309), (632, 17381), (655, 17420), (687, 17474), (700, 17516), (730, 17591), (783, 17654), (796, 17681), (798, 17684), (804, 17699), (841, 17783), (844, 17792), (845, 17795), (847, 17801), (851, 17813), (853, 17816), (863, 17846), (866, 17852), (875, 17873), (877, 17876), (894, 17930), (907, 17960), (909, 17969), (937, 18020), (947, 18053), (951, 18065), (956, 18083),

Gene: Kamashten_34 Start: 30813, Stop: 32576, Start Num: 107

Candidate Starts for Kamashten_34:

(100, 30795), (Start: 107 @30813 has 72 MA's), (Start: 126 @30849 has 1 MA's), (216, 30987), (259, 31083), (265, 31092), (319, 31161), (349, 31212), (376, 31257), (385, 31272), (425, 31353), (440, 31398), (443, 31407), (463, 31446), (487, 31497), (488, 31500), (495, 31527), (503, 31542), (510, 31566), (520, 31596), (586, 31701), (629, 31818), (644, 31836), (649, 31851), (668, 31881), (674, 31893), (675, 31896), (686, 31923), (845, 32247), (846, 32250), (862, 32298), (875, 32325), (884, 32352), (905, 32406), (913, 32433), (961, 32562),

Gene: Kampy_27 Start: 19825, Stop: 21603, Start Num: 145

Candidate Starts for Kampy_27:

(Start: 128 @19801 has 10 MA's), (Start: 145 @19825 has 749 MA's), (Start: 191 @19882 has 1 MA's), (Start: 220 @19936 has 45 MA's), (233, 19951), (240, 19969), (297, 20053), (303, 20065), (304, 20068), (349, 20143), (361, 20158), (381, 20197), (434, 20314), (470, 20401), (504, 20482), (521, 20530), (528, 20554), (560, 20641), (587, 20686), (617, 20758), (623, 20779), (629, 20797), (675, 20878), (708, 20971), (710, 20980), (717, 21004), (720, 21010), (731, 21034), (779, 21088), (791, 21109), (808, 21160), (815, 21184), (833, 21238), (865, 21334), (905, 21439), (909, 21454),

(954, 21562), (959, 21580),

Gene: Kanely_28 Start: 21700, Stop: 23502, Start Num: 148

Candidate Starts for Kanely_28:

(Start: 148 @21700 has 202 MA's), (Start: 166 @21721 has 28 MA's), (Start: 191 @21763 has 1 MA's), (215, 21808), (349, 22024), (376, 22069), (381, 22078), (407, 22117), (425, 22168), (426, 22171), (507, 22366), (528, 22435), (616, 22636), (617, 22639), (623, 22660), (674, 22756), (675, 22759), (677, 22765), (701, 22834), (708, 22852), (710, 22861), (720, 22891), (779, 22987), (795, 23020), (802, 23035), (845, 23176), (865, 23233), (907, 23344),

Gene: Kanye_26 Start: 20732, Stop: 22411, Start Num: 137

Candidate Starts for Kanye_26:

(Start: 137 @20732 has 84 MA's), (Start: 197 @20816 has 47 MA's), (Start: 239 @20894 has 1 MA's), (272, 20981), (282, 20996), (301, 21044), (315, 21083), (363, 21170), (380, 21203), (404, 21239), (417, 21269), (418, 21275), (441, 21344), (483, 21374), (487, 21386), (488, 21389), (510, 21446), (587, 21578), (589, 21584), (617, 21650), (620, 21656), (626, 21680), (647, 21728), (659, 21752), (665, 21761), (695, 21836), (761, 21887), (772, 21902), (833, 22064), (841, 22091), (851, 22121), (890, 22226), (938, 22304), (947, 22340), (950, 22349), (959, 22382), (965, 22397),

Gene: KappaFarmDelta_19 Start: 16818, Stop: 18464, Start Num: 220

Candidate Starts for KappaFarmDelta_19:

(196, 16782), (Start: 220 @16818 has 45 MA's), (261, 16920), (295, 16998), (337, 17097), (355, 17136), (381, 17181), (404, 17217), (423, 17271), (428, 17286), (439, 17319), (469, 17367), (470, 17370), (510, 17457), (520, 17487), (620, 17670), (626, 17694), (695, 17838), (700, 17850), (747, 17910), (809, 18042), (810, 18045), (841, 18144), (847, 18162), (865, 18213), (888, 18273), (890, 18279), (927, 18342), (935, 18354),

Gene: Kareem_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Kareem_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Karhdo_16 Start: 14934, Stop: 16643, Start Num: 132

Candidate Starts for Karhdo_16:

(Start: 132 @14934 has 199 MA's), (198, 15021), (Start: 228 @15066 has 2 MA's), (237, 15090), (256, 15147), (277, 15195), (282, 15201), (290, 15219), (301, 15249), (349, 15354), (379, 15408), (383, 15414), (389, 15423), (398, 15435), (404, 15444), (415, 15468), (425, 15504), (427, 15510), (431, 15522), (438, 15543), (439, 15546), (442, 15555), (459, 15570), (467, 15576), (481, 15594), (486, 15609), (488, 15615), (493, 15633), (494, 15636), (501, 15651), (509, 15666), (510, 15672), (520, 15702), (523, 15720), (530, 15732), (531, 15738), (586, 15798), (590, 15810), (606, 15846), (612, 15858), (620, 15879), (644, 15933), (647, 15942), (659, 15966), (671, 15996), (755, 16101), (764, 16113), (785, 16149), (803, 16188), (813, 16227), (844, 16326), (851, 16347), (862, 16380), (877, 16410), (886, 16440), (889, 16449), (891, 16455), (905, 16470), (906, 16473), (914, 16494), (916, 16497), (940, 16539), (947, 16569), (959, 16611), (960, 16617),

Gene: Kari_19 Start: 16385, Stop: 18121, Start Num: 129

Candidate Starts for Kari_19:

(Start: 114 @16361 has 2 MA's), (Start: 129 @16385 has 45 MA's), (174, 16445), (185, 16466), (Start: 187 @16469 has 15 MA's), (250, 16589), (263, 16628), (279, 16661), (291, 16685), (341, 16805), (363, 16844), (365, 16850), (411, 16934), (415, 16940), (418, 16952), (425, 16976), (434, 17003), (441, 17021), (470, 17060), (481, 17066), (489, 17090), (510, 17144), (513, 17156), (517, 17165), (537, 17225), (595, 17303), (612, 17342), (622, 17375), (647, 17441), (654, 17456), (659, 17465), (669, 17489), (686, 17519), (691, 17531), (782, 17633), (788, 17645), (791, 17648), (794, 17654), (796, 17663), (830, 17771), (858, 17855), (898, 17954), (950, 18062), (965, 18110),

Gene: Kasen3_18 Start: 16641, Stop: 18404, Start Num: 138

Candidate Starts for Kasen3_18:

(Start: 138 @16641 has 25 MA's), (Start: 164 @16650 has 42 MA's), (Start: 168 @16656 has 2 MA's), (172, 16662), (244, 16794), (261, 16845), (276, 16875), (Start: 288 @16899 has 1 MA's), (335, 17001), (353, 17040), (357, 17046), (365, 17061), (392, 17106), (439, 17226), (466, 17283), (488, 17322), (508, 17370), (516, 17397), (520, 17409), (548, 17490), (586, 17535), (675, 17733), (687, 17763), (693, 17781), (701, 17808), (760, 17892), (778, 17910), (792, 17925), (808, 17973), (812, 17988), (833, 18051), (851, 18108), (865, 18147), (882, 18189), (909, 18240), (950, 18336), (971, 18396),

Gene: KashFlow_28 Start: 23344, Stop: 25077, Start Num: 133

Candidate Starts for KashFlow_28:

(Start: 133 @23344 has 29 MA's), (Start: 197 @23434 has 47 MA's), (198, 23437), (247, 23539), (272, 23605), (291, 23641), (302, 23671), (307, 23686), (345, 23770), (365, 23806), (380, 23833), (406, 23872), (418, 23905), (421, 23914), (439, 23971), (469, 24013), (507, 24088), (510, 24100), (530, 24160), (573, 24214), (587, 24244), (595, 24262), (601, 24271), (613, 24304), (617, 24316), (620, 24322), (632, 24361), (659, 24418), (772, 24568), (782, 24586), (802, 24628), (808, 24652), (809, 24655), (813, 24670), (824, 24700), (833, 24730), (851, 24787), (919, 24937), (961, 25057), (965, 25063),

Gene: Katalie136_27 Start: 19826, Stop: 21625, Start Num: 145

Candidate Starts for Katalie136_27:

(Start: 128 @19802 has 10 MA's), (Start: 145 @19826 has 749 MA's), (Start: 191 @19886 has 1 MA's), (233, 19955), (261, 20033), (297, 20057), (303, 20069), (304, 20072), (328, 20108), (349, 20147), (381, 20201), (426, 20294), (434, 20318), (470, 20405), (516, 20519), (528, 20558), (560, 20645), (587, 20690), (616, 20759), (623, 20783), (627, 20795), (675, 20882), (701, 20957), (708, 20975), (710, 20984), (717, 21008), (720, 21014), (729, 21029), (749, 21062), (777, 21107), (779, 21110), (791, 21131), (865, 21356), (894, 21434), (905, 21461), (907, 21467), (959, 21602),

Gene: KatherineG_30 Start: 19215, Stop: 21002, Start Num: 145

Candidate Starts for KatherineG_30:

(103, 19149), (Start: 128 @19191 has 10 MA's), (Start: 145 @19215 has 749 MA's), (240, 19353), (259, 19410), (304, 19452), (328, 19488), (349, 19527), (391, 19596), (407, 19620), (426, 19674), (488, 19824), (507, 19869), (516, 19899), (527, 19935), (543, 19986), (559, 20022), (587, 20070), (613, 20130), (674, 20259), (701, 20337), (802, 20538), (804, 20544), (833, 20640), (892, 20805), (938, 20904),

Gene: KayGee_17 Start: 15418, Stop: 17112, Start Num: 145

Candidate Starts for KayGee_17:

(Start: 135 @15415 has 8 MA's), (Start: 145 @15418 has 749 MA's), (213, 15517), (Start: 239 @15559 has 1 MA's), (379, 15799), (423, 15886), (430, 15907), (433, 15916), (442, 15943), (463, 15988), (481, 16021), (486, 16036), (493, 16060), (506, 16093), (516, 16126), (520, 16138), (539, 16195), (565, 16225), (582, 16243), (592, 16273), (606, 16303), (628, 16366), (654, 16417), (675, 16453), (680, 16468), (689, 16486), (708, 16543), (710, 16552), (796, 16672), (802, 16684), (828, 16732), (844, 16783), (845, 16786), (851, 16804), (881, 16882), (890, 16909), (907, 16951), (961,

17098), (965, 17104),

Gene: Kazan_31 Start: 19982, Stop: 21754, Start Num: 145

Candidate Starts for Kazan_31:

(103, 19916), (Start: 128 @19958 has 10 MA's), (Start: 145 @19982 has 749 MA's), (261, 20180), (304, 20219), (347, 20291), (349, 20294), (363, 20312), (381, 20348), (385, 20354), (434, 20465), (436, 20471), (448, 20510), (470, 20552), (488, 20591), (504, 20633), (507, 20636), (523, 20696), (624, 20933), (629, 20948), (675, 21029), (720, 21161), (802, 21287), (817, 21338), (821, 21347), (832, 21386), (833, 21389), (836, 21401), (865, 21485), (905, 21590), (907, 21596), (959, 21731),

Gene: Keelan_51 Start: 27923, Stop: 29611, Start Num: 137

Candidate Starts for Keelan_51:

(Start: 137 @27923 has 84 MA's), (216, 28037), (328, 28223), (360, 28277), (434, 28433), (480, 28535), (495, 28583), (516, 28640), (612, 28817), (631, 28874), (634, 28883), (674, 28946), (708, 29042), (710, 29051), (756, 29108), (802, 29183), (806, 29198), (844, 29282), (875, 29363), (877, 29366), (881, 29381), (907, 29450), (957, 29579),

Gene: Keitabear_35 Start: 32178, Stop: 33941, Start Num: 107

Candidate Starts for Keitabear_35:

(100, 32160), (Start: 107 @32178 has 72 MA's), (Start: 126 @32214 has 1 MA's), (216, 32352), (259, 32448), (265, 32457), (319, 32526), (349, 32577), (376, 32622), (385, 32637), (425, 32718), (440, 32763), (443, 32772), (487, 32862), (495, 32892), (503, 32907), (510, 32931), (520, 32961), (586, 33066), (629, 33183), (644, 33201), (649, 33216), (674, 33258), (675, 33261), (686, 33288), (841, 33600), (845, 33612), (846, 33615), (862, 33663), (875, 33690), (884, 33717), (905, 33771), (951, 33888), (966, 33936),

Gene: Kenmech_30 Start: 22406, Stop: 24208, Start Num: 148

Candidate Starts for Kenmech_30:

(Start: 148 @22406 has 202 MA's), (Start: 166 @22427 has 28 MA's), (Start: 191 @22469 has 1 MA's), (215, 22514), (349, 22730), (376, 22775), (381, 22784), (407, 22823), (425, 22874), (426, 22877), (507, 23072), (528, 23141), (616, 23342), (617, 23345), (623, 23366), (674, 23462), (675, 23465), (677, 23471), (701, 23540), (708, 23558), (710, 23567), (720, 23597), (779, 23693), (795, 23726), (802, 23741), (845, 23882), (865, 23939), (907, 24050),

Gene: Kenna_19 Start: 16428, Stop: 18125, Start Num: 145

Candidate Starts for Kenna_19:

(Start: 121 @16389 has 1 MA's), (Start: 145 @16428 has 749 MA's), (Start: 156 @16440 has 4 MA's), (182, 16479), (205, 16518), (216, 16539), (244, 16587), (247, 16596), (261, 16638), (303, 16674), (329, 16731), (360, 16779), (375, 16806), (438, 16947), (463, 17004), (469, 17022), (478, 17031), (481, 17037), (508, 17115), (519, 17151), (521, 17157), (527, 17178), (528, 17181), (549, 17232), (583, 17259), (584, 17262), (594, 17289), (606, 17316), (632, 17388), (655, 17427), (687, 17481), (700, 17523), (730, 17598), (783, 17661), (796, 17688), (798, 17691), (804, 17706), (841, 17790), (844, 17799), (845, 17802), (847, 17808), (851, 17820), (853, 17823), (863, 17853), (866, 17859), (875, 17880), (877, 17883), (894, 17937), (907, 17967), (909, 17976), (937, 18027), (947, 18060), (951, 18072), (956, 18090),

Gene: Kenuha5_16 Start: 14929, Stop: 16638, Start Num: 132

Candidate Starts for Kenuha5_16:

(Start: 132 @14929 has 199 MA's), (198, 15016), (Start: 228 @15061 has 2 MA's), (237, 15085), (277, 15190), (282, 15196), (290, 15214), (301, 15244), (349, 15349), (383, 15409), (398, 15430), (404, 15439), (415, 15463), (427, 15505), (438, 15538), (442, 15550), (459, 15565), (467, 15571), (481, 15589), (486, 15604), (488, 15610), (501, 15646), (503, 15649), (509, 15661), (510, 15667), (512, 15676), (523, 15715), (530, 15727), (531, 15733), (586, 15793), (590, 15805), (606, 15841), (612,

15853), (644, 15928), (647, 15937), (656, 15955), (659, 15961), (671, 15991), (755, 16096), (761, 16105), (764, 16108), (785, 16144), (813, 16222), (851, 16342), (877, 16405), (886, 16435), (889, 16444), (891, 16450), (905, 16465), (906, 16468), (916, 16492), (935, 16522), (940, 16534), (959, 16606),

Gene: Kerberos_31 Start: 20049, Stop: 21839, Start Num: 145

Candidate Starts for Kerberos_31:

(103, 19983), (Start: 128 @20025 has 10 MA's), (Start: 145 @20049 has 749 MA's), (246, 20202), (303, 20283), (304, 20286), (347, 20358), (349, 20361), (361, 20376), (381, 20415), (385, 20421), (434, 20532), (440, 20550), (470, 20619), (504, 20700), (507, 20703), (560, 20859), (582, 20889), (675, 21096), (717, 21222), (779, 21324), (795, 21357), (802, 21372), (808, 21396), (832, 21471), (833, 21474), (836, 21486), (865, 21570), (894, 21648), (905, 21675), (907, 21681), (928, 21726), (935, 21735), (959, 21816),

Gene: Keshu_22 Start: 17579, Stop: 19342, Start Num: 145

Candidate Starts for Keshu_22:

(Start: 138 @17570 has 25 MA's), (Start: 145 @17579 has 749 MA's), (219, 17681), (244, 17738), (261, 17789), (276, 17819), (Start: 288 @17843 has 1 MA's), (404, 18074), (409, 18083), (413, 18095), (443, 18188), (444, 18191), (488, 18263), (491, 18272), (504, 18305), (508, 18311), (520, 18350), (531, 18386), (586, 18476), (613, 18539), (652, 18626), (693, 18719), (742, 18794), (797, 18875), (812, 18923), (822, 18947), (829, 18974), (847, 19031), (862, 19076), (909, 19178), (926, 19205), (947, 19265), (950, 19274), (956, 19295), (960, 19313), (963, 19319), (971, 19334),

Gene: Kevin1_18 Start: 14957, Stop: 16666, Start Num: 134

Candidate Starts for Kevin1_18:

(Start: 134 @14957 has 40 MA's), (161, 14984), (Start: 228 @15089 has 2 MA's), (232, 15101), (245, 15137), (263, 15188), (272, 15209), (277, 15218), (282, 15224), (291, 15245), (296, 15257), (379, 15431), (383, 15437), (395, 15455), (404, 15467), (406, 15470), (415, 15491), (438, 15566), (459, 15593), (481, 15617), (482, 15620), (486, 15632), (501, 15674), (509, 15689), (510, 15695), (512, 15704), (523, 15743), (554, 15797), (586, 15821), (612, 15881), (636, 15947), (644, 15956), (647, 15965), (670, 16016), (671, 16019), (755, 16124), (785, 16172), (810, 16238), (832, 16310), (886, 16463), (889, 16472), (905, 16493), (909, 16508), (916, 16520), (938, 16556), (940, 16562),

Gene: Kewpiedoll_34 Start: 30220, Stop: 31983, Start Num: 107

Candidate Starts for Kewpiedoll_34:

(100, 30202), (Start: 107 @30220 has 72 MA's), (Start: 126 @30256 has 1 MA's), (216, 30394), (259, 30490), (265, 30499), (319, 30568), (349, 30619), (376, 30664), (385, 30679), (425, 30760), (440, 30805), (443, 30814), (487, 30904), (495, 30934), (503, 30949), (510, 30973), (520, 31003), (586, 31108), (629, 31225), (644, 31243), (649, 31258), (668, 31288), (674, 31300), (675, 31303), (686, 31330), (845, 31654), (846, 31657), (862, 31705), (875, 31732), (884, 31759), (905, 31813), (913, 31840), (961, 31969),

Gene: Keziacharles14_28 Start: 19842, Stop: 21632, Start Num: 145

Candidate Starts for Keziacharles14_28:

(Start: 143 @19839 has 53 MA's), (Start: 145 @19842 has 749 MA's), (247, 19998), (304, 20079), (347, 20151), (349, 20154), (361, 20169), (381, 20208), (385, 20214), (415, 20265), (423, 20292), (425, 20298), (434, 20325), (436, 20331), (451, 20379), (470, 20412), (504, 20493), (507, 20496), (523, 20556), (582, 20682), (609, 20745), (657, 20859), (675, 20889), (681, 20907), (749, 21069), (779, 21117), (795, 21150), (802, 21165), (808, 21189), (832, 21264), (836, 21279), (865, 21363), (896, 21444), (905, 21468), (928, 21519), (950, 21576),

Gene: KiSi_22 Start: 16322, Stop: 18085, Start Num: 143

Candidate Starts for KiSi_22:

(Start: 121 @16286 has 1 MA's), (Start: 138 @16316 has 25 MA's), (Start: 143 @16322 has 53 MA's), (Start: 170 @16349 has 1 MA's), (185, 16376), (244, 16490), (261, 16541), (291, 16604), (338, 16706), (341, 16712), (380, 16784), (404, 16820), (409, 16829), (422, 16868), (437, 16916), (443, 16934), (464, 16973), (465, 16976), (482, 16991), (486, 17003), (488, 17009), (504, 17051), (508, 17057), (516, 17084), (586, 17222), (593, 17240), (601, 17252), (628, 17330), (669, 17402), (675, 17414), (693, 17462), (742, 17537), (797, 17621), (808, 17654), (810, 17660), (820, 17687), (845, 17771), (847, 17777), (862, 17822), (865, 17828), (909, 17921), (950, 18017), (971, 18077),

Gene: KidneyBean_41 Start: 30603, Stop: 32216, Start Num: 260

Candidate Starts for KidneyBean_41:

(Start: 260 @30603 has 35 MA's), (Start: 288 @30639 has 1 MA's), (295, 30657), (322, 30717), (443, 30957), (447, 30969), (452, 30984), (484, 31050), (489, 31065), (497, 31089), (498, 31092), (527, 31176), (538, 31206), (539, 31209), (572, 31266), (592, 31314), (594, 31317), (604, 31338), (643, 31443), (671, 31488), (688, 31530), (756, 31704), (774, 31734), (780, 31740), (826, 31848), (827, 31851), (851, 31926), (947, 32145), (964, 32202),

Gene: Kiko_20 Start: 16705, Stop: 18399, Start Num: 154

Candidate Starts for Kiko_20:

(Start: 121 @16663 has 1 MA's), (Start: 126 @16675 has 1 MA's), (Start: 154 @16705 has 21 MA's), (244, 16858), (265, 16915), (296, 16933), (303, 16945), (310, 16966), (355, 17044), (418, 17152), (425, 17176), (433, 17200), (463, 17272), (487, 17323), (519, 17419), (528, 17449), (563, 17503), (574, 17509), (594, 17557), (649, 17683), (708, 17818), (709, 17824), (710, 17827), (751, 17893), (804, 17980), (845, 18076), (846, 18079), (851, 18094), (875, 18154), (910, 18253), (912, 18259), (951, 18346), (965, 18391),

Gene: KilKor_19 Start: 16273, Stop: 18009, Start Num: 129

Candidate Starts for KilKor_19:

(Start: 114 @16249 has 2 MA's), (Start: 129 @16273 has 45 MA's), (174, 16333), (185, 16354), (Start: 187 @16357 has 15 MA's), (250, 16477), (263, 16516), (279, 16549), (291, 16573), (341, 16693), (363, 16732), (365, 16738), (411, 16822), (415, 16828), (418, 16840), (425, 16864), (434, 16891), (441, 16909), (470, 16948), (481, 16954), (489, 16978), (510, 17032), (513, 17044), (517, 17053), (537, 17113), (595, 17191), (612, 17230), (622, 17263), (647, 17329), (659, 17353), (669, 17377), (686, 17407), (782, 17521), (788, 17533), (794, 17542), (796, 17551), (830, 17659), (858, 17743), (898, 17842), (950, 17950), (965, 17998),

Gene: Killigrew_25 Start: 20612, Stop: 22414, Start Num: 148

Candidate Starts for Killigrew_25:

(Start: 148 @20612 has 202 MA's), (Start: 166 @20633 has 28 MA's), (Start: 191 @20675 has 1 MA's), (215, 20720), (349, 20936), (376, 20981), (381, 20990), (425, 21080), (426, 21083), (507, 21278), (528, 21347), (616, 21548), (617, 21551), (623, 21572), (674, 21668), (675, 21671), (677, 21677), (701, 21746), (708, 21764), (710, 21773), (720, 21803), (779, 21899), (795, 21932), (802, 21947), (845, 22088), (865, 22145), (907, 22256), (966, 22409),

Gene: Kimberlium_18 Start: 15928, Stop: 17637, Start Num: 132

Candidate Starts for Kimberlium_18:

(Start: 132 @15928 has 199 MA's), (198, 16015), (Start: 228 @16060 has 2 MA's), (237, 16084), (277, 16189), (282, 16195), (290, 16213), (301, 16243), (349, 16348), (353, 16354), (383, 16408), (389, 16417), (398, 16429), (404, 16438), (415, 16462), (442, 16549), (459, 16564), (481, 16588), (486, 16603), (488, 16609), (501, 16645), (503, 16648), (509, 16660), (510, 16666), (523, 16714), (530, 16726), (531, 16732), (586, 16792), (590, 16804), (606, 16840), (612, 16852), (620, 16873), (644, 16927), (647, 16936), (656, 16954), (659, 16960), (671, 16990), (755, 17095), (761, 17104), (764, 17107), (785, 17143), (810, 17209), (813, 17221), (844, 17320), (851, 17341), (862, 17374), (877, 17404), (886, 17434), (889, 17443), (891, 17449), (905, 17464), (906, 17467), (916, 17491), (935,

17521), (940, 17533), (947, 17563), (959, 17605),

Gene: Kimchi_26 Start: 19739, Stop: 21418, Start Num: 137

Candidate Starts for Kimchi_26:

(Start: 137 @19739 has 84 MA's), (Start: 197 @19823 has 47 MA's), (Start: 239 @19901 has 1 MA's), (272, 19988), (282, 20003), (301, 20051), (315, 20090), (363, 20177), (380, 20210), (404, 20246), (417, 20276), (418, 20282), (441, 20351), (483, 20381), (487, 20393), (488, 20396), (510, 20453), (587, 20585), (589, 20591), (617, 20657), (620, 20663), (626, 20687), (647, 20735), (659, 20759), (665, 20768), (695, 20843), (761, 20894), (772, 20909), (833, 21071), (841, 21098), (851, 21128), (890, 21233), (938, 21311), (947, 21347), (950, 21356), (959, 21389), (965, 21404),

Gene: Kimchi1738_31 Start: 27570, Stop: 29168, Start Num: 262

Candidate Starts for Kimchi1738_31:

(Start: 262 @27570 has 8 MA's), (327, 27669), (363, 27738), (383, 27777), (442, 27912), (467, 27972), (530, 28125), (535, 28137), (537, 28146), (538, 28149), (568, 28194), (572, 28209), (578, 28218), (582, 28227), (604, 28281), (611, 28299), (630, 28353), (719, 28569), (767, 28662), (821, 28770), (835, 28824), (861, 28899), (922, 29028), (963, 29154),

Gene: KimmyK_33 Start: 26575, Stop: 28341, Start Num: 107

Candidate Starts for KimmyK_33:

(90, 26533), (Start: 107 @26575 has 72 MA's), (Start: 126 @26611 has 1 MA's), (Start: 150 @26644 has 25 MA's), (263, 26854), (265, 26857), (303, 26887), (333, 26953), (349, 26977), (356, 26986), (375, 27019), (443, 27172), (463, 27211), (487, 27262), (491, 27274), (495, 27292), (501, 27304), (506, 27316), (510, 27331), (520, 27361), (521, 27364), (527, 27385), (583, 27457), (602, 27505), (649, 27616), (669, 27649), (686, 27688), (687, 27691), (710, 27763), (753, 27829), (759, 27841), (845, 28012), (846, 28015), (862, 28063), (875, 28090), (884, 28117), (905, 28171), (951, 28288), (957, 28309), (966, 28336),

Gene: Kimona_24 Start: 17863, Stop: 19656, Start Num: 145

Candidate Starts for Kimona_24:

(Start: 145 @17863 has 749 MA's), (172, 17884), (233, 17986), (235, 17989), (240, 18004), (303, 18100), (304, 18103), (349, 18178), (361, 18193), (381, 18232), (425, 18322), (440, 18367), (470, 18436), (507, 18520), (516, 18550), (523, 18580), (527, 18586), (535, 18604), (560, 18676), (587, 18721), (616, 18790), (623, 18814), (627, 18826), (629, 18832), (675, 18913), (708, 19006), (710, 19015), (720, 19045), (729, 19060), (777, 19138), (779, 19141), (791, 19162), (843, 19324), (865, 19387), (904, 19489), (907, 19498), (947, 19591), (952, 19609), (966, 19651),

Gene: Kinbote_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for Kinbote_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: KingCyrus_30 Start: 20600, Stop: 22372, Start Num: 145

Candidate Starts for KingCyrus_30:

(Start: 128 @20576 has 10 MA's), (Start: 145 @20600 has 749 MA's), (216, 20699), (256, 20783), (303, 20834), (304, 20837), (347, 20909), (349, 20912), (381, 20966), (407, 21005), (423, 21050), (434, 21083), (470, 21170), (504, 21251), (507, 21254), (617, 21527), (668, 21632), (675, 21647),

(717, 21773), (720, 21779), (757, 21827), (765, 21836), (779, 21857), (795, 21890), (802, 21905), (804, 21911), (821, 21965), (832, 22004), (836, 22019), (865, 22103), (907, 22214),

Gene: KingMidas_17 Start: 16108, Stop: 17817, Start Num: 132

Candidate Starts for KingMidas_17:

(Start: 132 @16108 has 199 MA's), (198, 16195), (Start: 228 @16240 has 2 MA's), (237, 16264), (277, 16369), (282, 16375), (290, 16393), (301, 16423), (349, 16528), (383, 16588), (389, 16597), (404, 16618), (415, 16642), (425, 16678), (427, 16684), (438, 16717), (439, 16720), (442, 16729), (459, 16744), (467, 16750), (481, 16768), (486, 16783), (488, 16789), (493, 16807), (494, 16810), (501, 16825), (503, 16828), (509, 16840), (510, 16846), (523, 16894), (530, 16906), (531, 16912), (586, 16972), (590, 16984), (606, 17020), (612, 17032), (644, 17107), (647, 17116), (656, 17134), (659, 17140), (671, 17170), (755, 17275), (761, 17284), (764, 17287), (785, 17323), (813, 17401), (844, 17500), (851, 17521), (862, 17554), (877, 17584), (880, 17596), (886, 17614), (888, 17620), (889, 17623), (891, 17629), (905, 17644), (906, 17647), (914, 17668), (916, 17671), (940, 17713), (959, 17785), (960, 17791),

Gene: Kingmustik0402_27 Start: 19819, Stop: 21597, Start Num: 145

Candidate Starts for Kingmustik0402_27:

(Start: 128 @19795 has 10 MA's), (Start: 145 @19819 has 749 MA's), (Start: 191 @19876 has 1 MA's), (Start: 220 @19930 has 45 MA's), (233, 19945), (240, 19963), (297, 20047), (303, 20059), (304, 20062), (349, 20137), (361, 20152), (381, 20191), (434, 20308), (470, 20395), (504, 20476), (521, 20524), (528, 20548), (560, 20635), (587, 20680), (617, 20752), (623, 20773), (629, 20791), (675, 20872), (708, 20965), (710, 20974), (717, 20998), (720, 21004), (731, 21028), (779, 21082), (791, 21103), (808, 21154), (815, 21178), (833, 21232), (865, 21328), (905, 21433), (909, 21448), (954, 21556), (959, 21574),

Gene: Kingsley_17 Start: 14662, Stop: 16371, Start Num: 132

Candidate Starts for Kingsley_17:

(Start: 132 @14662 has 199 MA's), (198, 14749), (Start: 228 @14794 has 2 MA's), (237, 14818), (277, 14923), (282, 14929), (290, 14947), (301, 14977), (349, 15082), (383, 15142), (398, 15163), (404, 15172), (415, 15196), (481, 15322), (486, 15337), (488, 15343), (501, 15379), (503, 15382), (509, 15394), (510, 15400), (523, 15448), (530, 15460), (531, 15466), (586, 15526), (590, 15538), (606, 15574), (612, 15586), (644, 15661), (647, 15670), (656, 15688), (659, 15694), (671, 15724), (755, 15829), (761, 15838), (764, 15841), (785, 15877), (813, 15955), (844, 16054), (851, 16075), (862, 16108), (877, 16138), (886, 16168), (889, 16177), (891, 16183), (905, 16198), (906, 16201), (916, 16225), (935, 16255), (940, 16267), (947, 16297), (959, 16339),

Gene: Kingsolomon_19 Start: 17373, Stop: 19136, Start Num: 130

Candidate Starts for Kingsolomon_19:

(Start: 130 @17373 has 38 MA's), (155, 17400), (194, 17463), (Start: 220 @17511 has 45 MA's), (225, 17517), (248, 17553), (276, 17628), (297, 17652), (301, 17658), (329, 17715), (397, 17829), (405, 17841), (443, 17952), (507, 18096), (510, 18108), (521, 18141), (616, 18330), (619, 18336), (638, 18393), (661, 18435), (669, 18444), (675, 18456), (701, 18531), (729, 18600), (732, 18612), (787, 18660), (824, 18726), (847, 18804), (862, 18849), (886, 18906), (912, 18969), (930, 19005), (936, 19020), (944, 19050), (946, 19056), (950, 19068), (952, 19077), (956, 19089),

Gene: Kipper29_31 Start: 19976, Stop: 21748, Start Num: 145

Candidate Starts for Kipper29_31:

(103, 19910), (Start: 128 @19952 has 10 MA's), (Start: 145 @19976 has 749 MA's), (261, 20174), (304, 20213), (347, 20285), (349, 20288), (363, 20306), (381, 20342), (385, 20348), (434, 20459), (436, 20465), (448, 20504), (470, 20546), (488, 20585), (504, 20627), (507, 20630), (523, 20690), (624, 20927), (629, 20942), (675, 21023), (720, 21155), (802, 21281), (817, 21332), (821, 21341), (832, 21380), (833, 21383), (836, 21395), (865, 21479), (905, 21584), (907, 21590), (959, 21725),

Gene: Kita_19 Start: 17773, Stop: 19371, Start Num: 268

Candidate Starts for Kita_19:

(Start: 268 @17773 has 52 MA's), (414, 18022), (418, 18031), (424, 18049), (425, 18052), (443, 18106), (472, 18181), (496, 18250), (499, 18259), (505, 18271), (521, 18322), (529, 18349), (532, 18358), (534, 18361), (581, 18391), (582, 18394), (605, 18451), (628, 18517), (670, 18595), (683, 18628), (694, 18652), (705, 18688), (745, 18790), (779, 18847), (800, 18892), (803, 18898), (813, 18937), (894, 19177), (932, 19255),

Gene: KittenMittens_26 Start: 17889, Stop: 19667, Start Num: 145

Candidate Starts for KittenMittens_26:

(Start: 128 @17865 has 10 MA's), (Start: 145 @17889 has 749 MA's), (Start: 191 @17946 has 1 MA's), (199, 17961), (233, 18015), (303, 18129), (304, 18132), (349, 18207), (373, 18246), (434, 18378), (470, 18465), (501, 18540), (516, 18579), (528, 18618), (560, 18705), (587, 18750), (616, 18819), (623, 18843), (627, 18855), (629, 18861), (708, 19035), (710, 19044), (717, 19068), (720, 19074), (729, 19089), (757, 19122), (791, 19173), (810, 19230), (811, 19236), (865, 19398), (905, 19503), (907, 19509), (909, 19518), (959, 19644),

Gene: Klein_37 Start: 26895, Stop: 28893, Start Num: 133

Candidate Starts for Klein_37:

(Start: 133 @26895 has 29 MA's), (Start: 197 @26985 has 47 MA's), (223, 27033), (237, 27063), (247, 27090), (291, 27192), (302, 27222), (345, 27321), (365, 27357), (367, 27363), (380, 27384), (418, 27456), (421, 27465), (427, 27486), (488, 27594), (489, 27597), (493, 27612), (510, 27651), (523, 27699), (530, 27711), (531, 27717), (573, 27765), (579, 27774), (587, 27795), (595, 27813), (615, 27861), (656, 27963), (691, 28035), (706, 28080), (709, 28092), (726, 28227), (727, 28233), (728, 28257), (740, 28329), (754, 28356), (852, 28605),

Gene: Koduck_28 Start: 19329, Stop: 21119, Start Num: 145

Candidate Starts for Koduck_28:

(103, 19263), (Start: 128 @19305 has 10 MA's), (Start: 145 @19329 has 749 MA's), (Start: 193 @19383 has 1 MA's), (246, 19482), (261, 19527), (303, 19563), (304, 19566), (347, 19638), (349, 19641), (381, 19695), (385, 19701), (423, 19779), (434, 19812), (436, 19818), (448, 19857), (470, 19899), (504, 19980), (507, 19983), (582, 20169), (616, 20253), (629, 20295), (657, 20346), (675, 20376), (717, 20502), (783, 20613), (785, 20616), (795, 20637), (802, 20652), (808, 20676), (832, 20751), (836, 20766), (865, 20850), (905, 20955), (907, 20961), (912, 20979), (928, 21006), (935, 21015),

Gene: Koella_16 Start: 14774, Stop: 16483, Start Num: 132

Candidate Starts for Koella_16:

(Start: 132 @14774 has 199 MA's), (198, 14861), (Start: 228 @14906 has 2 MA's), (237, 14930), (277, 15035), (282, 15041), (290, 15059), (301, 15089), (349, 15194), (383, 15254), (398, 15275), (404, 15284), (415, 15308), (481, 15434), (486, 15449), (488, 15455), (501, 15491), (503, 15494), (509, 15506), (510, 15512), (523, 15560), (530, 15572), (531, 15578), (586, 15638), (590, 15650), (606, 15686), (612, 15698), (644, 15773), (647, 15782), (656, 15800), (659, 15806), (671, 15836), (755, 15941), (761, 15950), (764, 15953), (785, 15989), (813, 16067), (844, 16166), (851, 16187), (862, 16220), (877, 16250), (886, 16280), (889, 16289), (891, 16295), (905, 16310), (906, 16313), (916, 16337), (935, 16367), (940, 16379), (947, 16409), (959, 16451),

Gene: Koko_31 Start: 20314, Stop: 22086, Start Num: 145

Candidate Starts for Koko_31:

(103, 20248), (Start: 128 @20290 has 10 MA's), (Start: 145 @20314 has 749 MA's), (304, 20551), (347, 20623), (349, 20626), (361, 20641), (381, 20680), (385, 20686), (434, 20797), (436, 20803), (448, 20842), (470, 20884), (488, 20923), (504, 20965), (507, 20968), (560, 21124), (624, 21265),

(629, 21280), (720, 21493), (791, 21592), (802, 21619), (817, 21670), (821, 21679), (832, 21718), (836, 21733), (865, 21817), (905, 21922), (907, 21928), (959, 22063),

Gene: Koreni_26 Start: 19473, Stop: 21251, Start Num: 145

Candidate Starts for Koreni_26:

(Start: 128 @19449 has 10 MA's), (Start: 145 @19473 has 749 MA's), (Start: 191 @19530 has 1 MA's), (Start: 220 @19584 has 45 MA's), (233, 19599), (240, 19617), (297, 19701), (303, 19713), (304, 19716), (349, 19791), (361, 19806), (381, 19845), (434, 19962), (470, 20049), (504, 20130), (521, 20178), (528, 20202), (560, 20289), (587, 20334), (617, 20406), (623, 20427), (629, 20445), (675, 20526), (708, 20619), (710, 20628), (717, 20652), (720, 20658), (731, 20682), (779, 20736), (791, 20757), (808, 20808), (815, 20832), (833, 20886), (865, 20982), (905, 21087), (909, 21102), (954, 21210), (959, 21228),

Gene: Kostya_24 Start: 19745, Stop: 21424, Start Num: 137

Candidate Starts for Kostya_24:

(Start: 137 @19745 has 84 MA's), (Start: 197 @19829 has 47 MA's), (Start: 239 @19907 has 1 MA's), (272, 19994), (282, 20009), (301, 20057), (315, 20096), (363, 20183), (380, 20216), (404, 20252), (417, 20282), (418, 20288), (441, 20357), (483, 20387), (487, 20399), (488, 20402), (510, 20459), (587, 20591), (589, 20597), (617, 20663), (620, 20669), (626, 20693), (647, 20741), (659, 20765), (665, 20774), (695, 20849), (761, 20900), (772, 20915), (833, 21077), (841, 21104), (851, 21134), (890, 21239), (938, 21317), (947, 21353), (950, 21362), (959, 21395), (965, 21410),

Gene: Krakatau_17 Start: 15504, Stop: 17213, Start Num: 132

Candidate Starts for Krakatau_17:

(Start: 132 @15504 has 199 MA's), (198, 15591), (Start: 228 @15636 has 2 MA's), (237, 15660), (277, 15765), (282, 15771), (290, 15789), (301, 15819), (349, 15924), (383, 15984), (398, 16005), (404, 16014), (415, 16038), (481, 16164), (486, 16179), (488, 16185), (501, 16221), (503, 16224), (509, 16236), (510, 16242), (523, 16290), (530, 16302), (531, 16308), (586, 16368), (590, 16380), (606, 16416), (612, 16428), (644, 16503), (647, 16512), (656, 16530), (659, 16536), (671, 16566), (755, 16671), (761, 16680), (764, 16683), (785, 16719), (813, 16797), (844, 16896), (851, 16917), (862, 16950), (877, 16980), (886, 17010), (889, 17019), (891, 17025), (905, 17040), (906, 17043), (916, 17067), (935, 17097), (940, 17109), (947, 17139), (959, 17181),

Gene: Kratak_27 Start: 19822, Stop: 21600, Start Num: 145

Candidate Starts for Kratak_27:

(Start: 128 @19798 has 10 MA's), (Start: 145 @19822 has 749 MA's), (Start: 191 @19879 has 1 MA's), (Start: 220 @19933 has 45 MA's), (233, 19948), (240, 19966), (297, 20050), (303, 20062), (304, 20065), (349, 20140), (361, 20155), (381, 20194), (434, 20311), (470, 20398), (504, 20479), (521, 20527), (528, 20551), (560, 20638), (587, 20683), (617, 20755), (623, 20776), (629, 20794), (675, 20875), (708, 20968), (710, 20977), (717, 21001), (720, 21007), (731, 21031), (779, 21085), (791, 21106), (808, 21157), (815, 21181), (865, 21331), (905, 21436), (909, 21451), (954, 21559), (959, 21577),

Gene: Kratio_20 Start: 17226, Stop: 18998, Start Num: 150

Candidate Starts for Kratio_20:

(Start: 150 @17226 has 25 MA's), (155, 17232), (172, 17256), (Start: 193 @17289 has 1 MA's), (222, 17337), (244, 17391), (261, 17442), (291, 17505), (341, 17613), (404, 17721), (443, 17835), (444, 17838), (465, 17877), (482, 17892), (486, 17904), (488, 17910), (501, 17946), (504, 17952), (508, 17958), (520, 17997), (527, 18021), (586, 18123), (613, 18186), (693, 18366), (754, 18465), (802, 18543), (808, 18567), (810, 18573), (822, 18606), (845, 18684), (847, 18690), (914, 18843), (955, 18948), (956, 18951), (960, 18969),

Gene: Kremtemulon_26 Start: 19875, Stop: 21653, Start Num: 145

Candidate Starts for Kremtemulon_26:

(Start: 128 @19851 has 10 MA's), (Start: 145 @19875 has 749 MA's), (Start: 191 @19932 has 1 MA's), (Start: 220 @19986 has 45 MA's), (233, 20001), (240, 20019), (297, 20103), (303, 20115), (304, 20118), (349, 20193), (361, 20208), (381, 20247), (434, 20364), (470, 20451), (504, 20532), (521, 20580), (528, 20604), (560, 20691), (587, 20736), (617, 20808), (623, 20829), (629, 20847), (675, 20928), (708, 21021), (710, 21030), (717, 21054), (720, 21060), (731, 21084), (779, 21138), (791, 21159), (808, 21210), (815, 21234), (833, 21288), (865, 21384), (905, 21489), (909, 21504), (954, 21612), (959, 21630),

Gene: Krili_55 Start: 32985, Stop: 34721, Start Num: 118

Candidate Starts for Krili_55:

(Start: 113 @32976 has 2 MA's), (Start: 118 @32985 has 26 MA's), (180, 33075), (244, 33192), (256, 33228), (265, 33249), (277, 33276), (282, 33282), (295, 33312), (303, 33336), (328, 33387), (404, 33525), (408, 33531), (424, 33582), (425, 33585), (431, 33603), (481, 33654), (488, 33675), (489, 33678), (509, 33726), (510, 33732), (523, 33780), (527, 33786), (530, 33792), (575, 33852), (586, 33876), (587, 33879), (606, 33924), (613, 33939), (616, 33948), (620, 33957), (636, 34002), (647, 34020), (665, 34053), (764, 34191), (777, 34212), (806, 34278), (814, 34308), (830, 34362), (844, 34404), (851, 34425), (858, 34446), (862, 34458), (872, 34479), (891, 34533), (938, 34611), (947, 34647), (953, 34668), (960, 34695),

Gene: Krishelle_23 Start: 16620, Stop: 18245, Start Num: 173

Candidate Starts for Krishelle_23:

(Start: 162 @16605 has 3 MA's), (Start: 173 @16620 has 32 MA's), (198, 16662), (210, 16689), (236, 16725), (323, 16866), (349, 16911), (421, 17040), (434, 17082), (440, 17100), (443, 17109), (450, 17133), (463, 17151), (481, 17181), (486, 17196), (487, 17199), (501, 17238), (507, 17247), (535, 17331), (582, 17385), (587, 17400), (609, 17448), (617, 17472), (674, 17586), (701, 17664), (713, 17703), (717, 17715), (721, 17724), (757, 17745), (802, 17823), (860, 17970), (900, 18069), (905, 18084), (965, 18237),

Gene: KristaRAM_17 Start: 15479, Stop: 17188, Start Num: 132

Candidate Starts for KristaRAM_17:

(Start: 132 @15479 has 199 MA's), (Start: 228 @15611 has 2 MA's), (237, 15635), (277, 15740), (282, 15746), (290, 15764), (301, 15794), (349, 15899), (383, 15959), (398, 15980), (404, 15989), (415, 16013), (481, 16139), (486, 16154), (488, 16160), (501, 16196), (503, 16199), (509, 16211), (510, 16217), (523, 16265), (530, 16277), (531, 16283), (586, 16343), (590, 16355), (606, 16391), (612, 16403), (644, 16478), (647, 16487), (656, 16505), (659, 16511), (671, 16541), (755, 16646), (761, 16655), (764, 16658), (785, 16694), (813, 16772), (844, 16871), (851, 16892), (862, 16925), (877, 16955), (886, 16985), (889, 16994), (891, 17000), (905, 17015), (906, 17018), (916, 17042), (935, 17072), (940, 17084), (947, 17114), (959, 17156),

Gene: Kristoff_28 Start: 19986, Stop: 21764, Start Num: 145

Candidate Starts for Kristoff_28:

(Start: 145 @19986 has 749 MA's), (Start: 191 @20043 has 1 MA's), (199, 20058), (216, 20091), (233, 20112), (297, 20214), (303, 20226), (304, 20229), (349, 20304), (361, 20319), (381, 20358), (434, 20475), (440, 20493), (470, 20562), (501, 20637), (516, 20676), (528, 20715), (560, 20802), (587, 20847), (609, 20895), (616, 20916), (623, 20940), (627, 20952), (629, 20958), (675, 21039), (708, 21132), (710, 21141), (717, 21165), (720, 21171), (729, 21186), (757, 21219), (791, 21270), (798, 21288), (845, 21438), (865, 21495), (877, 21519), (879, 21525), (905, 21600), (907, 21606), (909, 21615), (938, 21666), (959, 21741),

Gene: Kroos_35 Start: 30392, Stop: 32155, Start Num: 107

Candidate Starts for Kroos_35:

(Start: 107 @30392 has 72 MA's), (Start: 126 @30428 has 1 MA's), (210, 30557), (216, 30566), (235, 30590), (259, 30662), (265, 30671), (319, 30740), (349, 30791), (376, 30836), (385, 30851), (397, 30869), (425, 30932), (440, 30977), (443, 30986), (495, 31106), (503, 31121), (506, 31130), (510, 31145), (520, 31175), (629, 31397), (644, 31415), (649, 31430), (674, 31472), (675, 31475), (686, 31502), (732, 31622), (798, 31715), (845, 31826), (846, 31829), (862, 31877), (875, 31904), (884, 31931), (905, 31985),

Gene: Krueger_22 Start: 16300, Stop: 18075, Start Num: 138

Candidate Starts for Krueger_22:

(Start: 138 @16300 has 25 MA's), (Start: 145 @16309 has 749 MA's), (Start: 170 @16339 has 1 MA's), (Start: 239 @16465 has 1 MA's), (244, 16480), (261, 16531), (276, 16561), (298, 16606), (338, 16696), (357, 16732), (409, 16819), (439, 16912), (443, 16924), (444, 16927), (486, 16993), (488, 16999), (504, 17041), (508, 17047), (552, 17173), (593, 17230), (647, 17347), (669, 17392), (675, 17404), (693, 17452), (742, 17527), (754, 17551), (809, 17647), (845, 17761), (862, 17812), (865, 17818), (909, 17911), (960, 18046), (961, 18049), (971, 18067),

Gene: Krypton555_19 Start: 17311, Stop: 19074, Start Num: 130

Candidate Starts for Krypton555_19:

(Start: 130 @17311 has 38 MA's), (155, 17338), (194, 17401), (225, 17455), (248, 17491), (276, 17566), (297, 17590), (301, 17596), (329, 17653), (397, 17767), (405, 17779), (443, 17890), (507, 18034), (510, 18046), (616, 18268), (619, 18274), (638, 18331), (661, 18373), (669, 18382), (675, 18394), (701, 18469), (723, 18535), (732, 18550), (787, 18598), (824, 18664), (847, 18742), (862, 18787), (886, 18844), (912, 18907), (930, 18943), (936, 18958), (944, 18988), (946, 18994), (950, 19006), (952, 19015), (956, 19027),

Gene: Ksquared_19 Start: 16407, Stop: 18143, Start Num: 129

Candidate Starts for Ksquared_19:

(Start: 114 @16383 has 2 MA's), (Start: 129 @16407 has 45 MA's), (174, 16467), (185, 16488), (Start: 187 @16491 has 15 MA's), (250, 16611), (263, 16650), (279, 16683), (291, 16707), (341, 16827), (363, 16866), (365, 16872), (411, 16956), (415, 16962), (418, 16974), (425, 16998), (434, 17025), (441, 17043), (470, 17082), (481, 17088), (489, 17112), (510, 17166), (513, 17178), (517, 17187), (537, 17247), (595, 17325), (612, 17364), (622, 17397), (647, 17463), (654, 17478), (659, 17487), (669, 17511), (686, 17541), (691, 17553), (782, 17655), (788, 17667), (791, 17670), (794, 17676), (796, 17685), (830, 17793), (858, 17877), (898, 17976), (950, 18084), (965, 18132),

Gene: Kudrefre_27 Start: 21780, Stop: 23531, Start Num: 157

Candidate Starts for Kudrefre_27:

(104, 21702), (Start: 142 @21765 has 1 MA's), (Start: 157 @21780 has 12 MA's), (174, 21804), (205, 21861), (Start: 220 @21888 has 45 MA's), (241, 21915), (249, 21933), (253, 21942), (254, 21945), (276, 22005), (323, 22080), (332, 22101), (350, 22140), (403, 22230), (415, 22254), (423, 22284), (442, 22341), (449, 22365), (494, 22458), (500, 22473), (504, 22482), (510, 22497), (512, 22506), (521, 22530), (527, 22551), (551, 22605), (574, 22623), (608, 22704), (612, 22716), (621, 22740), (675, 22854), (712, 22962), (721, 22986), (757, 23013), (787, 23058), (798, 23082), (826, 23133), (841, 23181), (847, 23199), (865, 23250), (881, 23286), (905, 23337), (907, 23343), (915, 23367), (930, 23406), (936, 23421), (944, 23448), (953, 23478), (957, 23490), (969, 23520),

Gene: Kugel_28 Start: 21273, Stop: 23075, Start Num: 148

Candidate Starts for Kugel_28:

(Start: 148 @21273 has 202 MA's), (Start: 166 @21294 has 28 MA's), (Start: 191 @21336 has 1 MA's), (215, 21381), (349, 21597), (376, 21642), (381, 21651), (407, 21690), (425, 21741), (426, 21744), (507, 21939), (528, 22008), (616, 22209), (617, 22212), (623, 22233), (674, 22329), (675, 22332), (677, 22338), (701, 22407), (708, 22425), (710, 22434), (720, 22464), (779, 22560), (795, 22593), (802, 22608), (845, 22749), (865, 22806), (907, 22917),

Gene: Kumao_28 Start: 21466, Stop: 23190, Start Num: 144

Candidate Starts for Kumao_28:

(Start: 115 @21427 has 3 MA's), (Start: 144 @21466 has 1 MA's), (215, 21556), (303, 21718), (323, 21757), (326, 21760), (364, 21823), (376, 21850), (423, 21946), (437, 21988), (470, 22066), (488, 22108), (510, 22168), (516, 22186), (552, 22279), (612, 22384), (613, 22387), (616, 22396), (629, 22438), (675, 22522), (787, 22726), (794, 22738), (838, 22843), (875, 22942), (886, 22975), (907, 23014), (908, 23020), (931, 23068), (944, 23107), (946, 23113), (969, 23179),

Gene: Kurt_41 Start: 30840, Stop: 32453, Start Num: 260

Candidate Starts for Kurt_41:

(Start: 260 @30840 has 35 MA's), (Start: 288 @30876 has 1 MA's), (295, 30894), (322, 30954), (443, 31194), (447, 31206), (452, 31221), (484, 31287), (489, 31302), (497, 31326), (498, 31329), (527, 31413), (538, 31443), (539, 31446), (572, 31503), (592, 31551), (594, 31554), (604, 31575), (643, 31680), (671, 31725), (688, 31767), (756, 31941), (774, 31971), (780, 31977), (826, 32085), (827, 32088), (851, 32163), (947, 32382), (964, 32439),

Gene: Kuwabara_19 Start: 15987, Stop: 17696, Start Num: 145

Candidate Starts for Kuwabara_19:

(Start: 145 @15987 has 749 MA's), (Start: 156 @15999 has 4 MA's), (158, 16002), (329, 16299), (361, 16350), (365, 16359), (376, 16377), (403, 16419), (407, 16425), (418, 16455), (423, 16473), (440, 16524), (442, 16530), (451, 16560), (479, 16602), (487, 16623), (489, 16629), (495, 16653), (516, 16704), (517, 16707), (525, 16737), (612, 16887), (623, 16923), (686, 17049), (708, 17115), (787, 17238), (796, 17259), (802, 17271), (804, 17277), (806, 17286), (807, 17289), (835, 17343), (845, 17373), (870, 17442), (905, 17529), (907, 17535), (934, 17586), (947, 17631), (959, 17673), (966, 17691),

Gene: Kwekel_32 Start: 27487, Stop: 29106, Start Num: 192

Candidate Starts for Kwekel_32:

(Start: 192 @27487 has 10 MA's), (Start: 197 @27493 has 47 MA's), (205, 27508), (237, 27571), (289, 27694), (294, 27706), (310, 27763), (354, 27841), (420, 27964), (489, 28078), (500, 28108), (516, 28150), (537, 28213), (586, 28261), (589, 28270), (616, 28333), (628, 28369), (700, 28534), (701, 28537), (755, 28564), (787, 28615), (808, 28672), (809, 28675), (822, 28711), (824, 28720), (839, 28777), (841, 28783), (843, 28789), (859, 28837), (862, 28846), (865, 28852), (867, 28855), (882, 28894), (886, 28906), (909, 28951), (941, 29020), (956, 29068), (959, 29080), (965, 29095),

Gene: Kwobi_35 Start: 30378, Stop: 32141, Start Num: 107

Candidate Starts for Kwobi_35:

(Start: 107 @30378 has 72 MA's), (Start: 126 @30414 has 1 MA's), (210, 30543), (216, 30552), (235, 30576), (259, 30648), (265, 30657), (319, 30726), (349, 30777), (376, 30822), (385, 30837), (397, 30855), (425, 30918), (440, 30963), (443, 30972), (495, 31092), (503, 31107), (506, 31116), (510, 31131), (520, 31161), (629, 31383), (644, 31401), (649, 31416), (674, 31458), (675, 31461), (686, 31488), (732, 31608), (798, 31701), (845, 31812), (846, 31815), (862, 31863), (875, 31890), (884, 31917), (905, 31971),

Gene: KyMonks1A_29 Start: 21439, Stop: 23241, Start Num: 148

Candidate Starts for KyMonks1A_29:

(Start: 148 @21439 has 202 MA's), (Start: 166 @21460 has 28 MA's), (Start: 191 @21502 has 1 MA's), (215, 21547), (349, 21763), (376, 21808), (381, 21817), (407, 21856), (425, 21907), (426, 21910), (507, 22105), (528, 22174), (616, 22375), (617, 22378), (623, 22399), (674, 22495), (675, 22498), (677, 22504), (701, 22573), (708, 22591), (710, 22600), (720, 22630), (779, 22726), (795, 22759), (802, 22774), (845, 22915), (865, 22972), (907, 23083),

Gene: Kyee_27 Start: 19828, Stop: 21606, Start Num: 145

Candidate Starts for Kyee_27:

(Start: 128 @19804 has 10 MA's), (Start: 145 @19828 has 749 MA's), (Start: 191 @19885 has 1 MA's), (Start: 220 @19939 has 45 MA's), (233, 19954), (240, 19972), (297, 20056), (303, 20068), (304, 20071), (349, 20146), (361, 20161), (381, 20200), (434, 20317), (470, 20404), (504, 20485), (521, 20533), (528, 20557), (560, 20644), (587, 20689), (617, 20761), (623, 20782), (629, 20800), (675, 20881), (708, 20974), (710, 20983), (717, 21007), (720, 21013), (731, 21037), (779, 21091), (791, 21112), (808, 21163), (815, 21187), (865, 21337), (905, 21442), (909, 21457), (954, 21565), (959, 21583),

Gene: Kykar_25 Start: 20786, Stop: 22588, Start Num: 148

Candidate Starts for Kykar_25:

(Start: 148 @20786 has 202 MA's), (Start: 166 @20807 has 28 MA's), (Start: 191 @20849 has 1 MA's), (215, 20894), (349, 21110), (376, 21155), (381, 21164), (407, 21203), (425, 21254), (426, 21257), (507, 21452), (528, 21521), (616, 21722), (617, 21725), (623, 21746), (674, 21842), (675, 21845), (677, 21851), (701, 21920), (708, 21938), (710, 21947), (720, 21977), (779, 22073), (795, 22106), (802, 22121), (845, 22262), (865, 22319), (907, 22430), (966, 22583),

Gene: L5_28 Start: 19340, Stop: 21130, Start Num: 145

Candidate Starts for L5_28:

(103, 19274), (Start: 128 @19316 has 10 MA's), (Start: 145 @19340 has 749 MA's), (Start: 193 @19394 has 1 MA's), (246, 19493), (261, 19538), (303, 19574), (304, 19577), (347, 19649), (349, 19652), (381, 19706), (385, 19712), (423, 19790), (434, 19823), (436, 19829), (448, 19868), (470, 19910), (504, 19991), (507, 19994), (582, 20180), (616, 20264), (629, 20306), (657, 20357), (675, 20387), (717, 20513), (783, 20624), (785, 20627), (795, 20648), (802, 20663), (808, 20687), (832, 20762), (836, 20777), (865, 20861), (905, 20966), (907, 20972), (912, 20990), (928, 21017), (935, 21026),

Gene: LBerry_29 Start: 20379, Stop: 22175, Start Num: 145

Candidate Starts for LBerry_29:

(Start: 145 @20379 has 749 MA's), (Start: 191 @20436 has 1 MA's), (199, 20451), (216, 20484), (233, 20505), (Start: 239 @20520 has 1 MA's), (297, 20607), (303, 20619), (304, 20622), (349, 20697), (361, 20712), (379, 20748), (470, 20955), (516, 21069), (528, 21108), (560, 21195), (616, 21309), (623, 21333), (629, 21351), (675, 21432), (701, 21507), (708, 21525), (717, 21558), (720, 21564), (739, 21603), (777, 21657), (779, 21660), (791, 21681), (810, 21738), (865, 21906), (905, 22011), (907, 22017), (959, 22152),

Gene: LHTSCC_28 Start: 20138, Stop: 21919, Start Num: 145

Candidate Starts for LHTSCC_28:

(Start: 128 @20114 has 10 MA's), (Start: 145 @20138 has 749 MA's), (Start: 150 @20144 has 25 MA's), (Start: 191 @20198 has 1 MA's), (199, 20213), (233, 20267), (240, 20285), (297, 20369), (303, 20381), (304, 20384), (349, 20459), (361, 20474), (381, 20513), (434, 20630), (470, 20717), (504, 20798), (521, 20846), (528, 20870), (560, 20957), (587, 21002), (617, 21074), (623, 21095), (629, 21113), (675, 21194), (701, 21269), (708, 21287), (710, 21296), (717, 21320), (720, 21326), (731, 21350), (773, 21392), (779, 21404), (791, 21425), (808, 21476), (815, 21500), (833, 21554), (865, 21650), (905, 21755), (909, 21770), (954, 21878), (959, 21896),

Gene: LadyBird_28 Start: 20171, Stop: 21943, Start Num: 145

Candidate Starts for LadyBird_28:

(Start: 128 @20147 has 10 MA's), (Start: 145 @20171 has 749 MA's), (216, 20270), (303, 20405), (304, 20408), (347, 20480), (349, 20483), (381, 20537), (385, 20543), (407, 20576), (434, 20654), (470, 20741), (504, 20822), (507, 20825), (617, 21098), (668, 21203), (675, 21218), (717, 21344), (720, 21350), (757, 21398), (795, 21461), (802, 21476), (804, 21482), (811, 21512), (821, 21536),

(832, 21575), (836, 21590), (865, 21674),

Gene: Lamberg_17 Start: 14694, Stop: 16403, Start Num: 269

Candidate Starts for Lamberg_17:

(Start: 269 @14694 has 31 MA's), (324, 14811), (359, 14883), (405, 14961), (452, 15084), (463, 15105), (489, 15174), (490, 15177), (509, 15234), (532, 15309), (547, 15363), (581, 15444), (605, 15504), (688, 15669), (694, 15687), (697, 15702), (707, 15726), (731, 15798), (732, 15801), (745, 15822), (841, 16056), (846, 16071), (860, 16113), (893, 16206), (894, 16209), (918, 16257), (932, 16287), (950, 16344),

Gene: Lambert1_28 Start: 20455, Stop: 22254, Start Num: 145

Candidate Starts for Lambert1_28:

(Start: 145 @20455 has 749 MA's), (Start: 191 @20515 has 1 MA's), (233, 20584), (297, 20686), (303, 20698), (304, 20701), (349, 20776), (361, 20791), (381, 20830), (440, 20965), (470, 21034), (516, 21148), (560, 21274), (616, 21388), (623, 21412), (627, 21424), (629, 21430), (675, 21511), (701, 21586), (708, 21604), (710, 21613), (717, 21637), (720, 21643), (729, 21658), (749, 21691), (777, 21736), (779, 21739), (791, 21760), (833, 21889), (865, 21985), (905, 22090), (907, 22096), (959, 22231),

Gene: Lamina13_27 Start: 20710, Stop: 22512, Start Num: 148

Candidate Starts for Lamina13_27:

(Start: 148 @20710 has 202 MA's), (Start: 166 @20731 has 28 MA's), (Start: 191 @20773 has 1 MA's), (215, 20818), (349, 21034), (376, 21079), (381, 21088), (407, 21127), (425, 21178), (426, 21181), (463, 21274), (507, 21376), (528, 21445), (612, 21634), (616, 21646), (617, 21649), (623, 21670), (674, 21766), (675, 21769), (677, 21775), (701, 21844), (708, 21862), (710, 21871), (720, 21901), (779, 21997), (795, 22030), (802, 22045), (845, 22186), (865, 22243), (907, 22354),

Gene: Landor_29 Start: 21788, Stop: 23560, Start Num: 145

Candidate Starts for Landor_29:

(Start: 128 @21764 has 10 MA's), (Start: 145 @21788 has 749 MA's), (Start: 239 @21923 has 1 MA's), (246, 21941), (303, 22022), (304, 22025), (347, 22097), (349, 22100), (415, 22211), (423, 22238), (434, 22271), (448, 22316), (470, 22358), (507, 22442), (560, 22598), (583, 22631), (668, 22820), (675, 22835), (717, 22961), (720, 22967), (795, 23078), (802, 23093), (804, 23099), (821, 23153), (832, 23192), (836, 23207), (865, 23291), (905, 23396), (907, 23402), (912, 23420), (928, 23447),

Gene: Langerak_19 Start: 16369, Stop: 18105, Start Num: 129

Candidate Starts for Langerak_19:

(Start: 114 @16345 has 2 MA's), (Start: 129 @16369 has 45 MA's), (174, 16429), (185, 16450), (Start: 187 @16453 has 15 MA's), (250, 16573), (263, 16612), (279, 16645), (291, 16669), (341, 16789), (363, 16828), (365, 16834), (411, 16918), (415, 16924), (418, 16936), (425, 16960), (434, 16987), (441, 17005), (470, 17044), (481, 17050), (489, 17074), (510, 17128), (513, 17140), (517, 17149), (537, 17209), (595, 17287), (612, 17326), (622, 17359), (647, 17425), (654, 17440), (659, 17449), (669, 17473), (686, 17503), (691, 17515), (782, 17617), (788, 17629), (791, 17632), (794, 17638), (796, 17647), (830, 17755), (858, 17839), (898, 17938), (950, 18046), (965, 18094),

Gene: LappelDuVide_26 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for LappelDuVide_26:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087),

(791, 21108), (808, 21159), (815, 21183), (833, 21237), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: Larenn_29 Start: 20468, Stop: 22240, Start Num: 145

Candidate Starts for Larenn_29:

(Start: 128 @20444 has 10 MA's), (Start: 145 @20468 has 749 MA's), (Start: 239 @20603 has 1 MA's), (246, 20621), (303, 20702), (304, 20705), (323, 20735), (347, 20777), (349, 20780), (381, 20834), (385, 20840), (419, 20903), (423, 20918), (434, 20951), (445, 20984), (470, 21038), (504, 21119), (507, 21122), (516, 21152), (617, 21395), (668, 21500), (675, 21515), (720, 21647), (795, 21758), (802, 21773), (804, 21779), (821, 21833), (832, 21872), (836, 21887), (847, 21920), (907, 22082), (935, 22136),

Gene: LarryKay_29 Start: 20465, Stop: 22261, Start Num: 145

Candidate Starts for LarryKay_29:

(Start: 145 @20465 has 749 MA's), (Start: 191 @20522 has 1 MA's), (199, 20537), (216, 20570), (233, 20591), (Start: 239 @20606 has 1 MA's), (297, 20693), (303, 20705), (304, 20708), (349, 20783), (361, 20798), (379, 20834), (470, 21041), (516, 21155), (528, 21194), (560, 21281), (616, 21395), (623, 21419), (629, 21437), (675, 21518), (701, 21593), (708, 21611), (717, 21644), (720, 21650), (739, 21689), (777, 21743), (779, 21746), (791, 21767), (810, 21824), (865, 21992), (905, 22097), (907, 22103), (959, 22238),

Gene: LastHope_23 Start: 16451, Stop: 18217, Start Num: 145

Candidate Starts for LastHope_23:

(Start: 145 @16451 has 749 MA's), (Start: 170 @16481 has 1 MA's), (251, 16640), (261, 16673), (276, 16703), (298, 16748), (304, 16766), (338, 16838), (404, 16952), (409, 16961), (422, 17000), (437, 17048), (443, 17066), (444, 17069), (482, 17123), (488, 17141), (504, 17183), (508, 17189), (516, 17216), (527, 17252), (586, 17354), (593, 17372), (619, 17432), (628, 17462), (647, 17489), (693, 17594), (797, 17753), (809, 17789), (820, 17819), (845, 17903), (862, 17954), (909, 18053), (914, 18062), (938, 18104), (960, 18188), (961, 18191), (971, 18209),

Gene: LastJedi_16 Start: 14805, Stop: 16514, Start Num: 132

Candidate Starts for LastJedi_16:

(Start: 132 @14805 has 199 MA's), (198, 14892), (Start: 228 @14937 has 2 MA's), (237, 14961), (277, 15066), (282, 15072), (290, 15090), (301, 15120), (349, 15225), (383, 15285), (398, 15306), (404, 15315), (415, 15339), (481, 15465), (486, 15480), (488, 15486), (501, 15522), (503, 15525), (509, 15537), (510, 15543), (523, 15591), (530, 15603), (531, 15609), (586, 15669), (590, 15681), (606, 15717), (612, 15729), (644, 15804), (647, 15813), (656, 15831), (659, 15837), (671, 15867), (755, 15972), (761, 15981), (764, 15984), (785, 16020), (813, 16098), (844, 16197), (851, 16218), (862, 16251), (877, 16281), (886, 16311), (889, 16320), (891, 16326), (905, 16341), (906, 16344), (916, 16368), (935, 16398), (940, 16410), (947, 16440), (959, 16482),

Gene: LastResort_30 Start: 19096, Stop: 20883, Start Num: 145

Candidate Starts for LastResort_30:

(103, 19030), (Start: 128 @19072 has 10 MA's), (Start: 145 @19096 has 749 MA's), (240, 19234), (259, 19291), (304, 19333), (328, 19369), (349, 19408), (391, 19477), (407, 19501), (426, 19555), (488, 19705), (507, 19750), (516, 19780), (527, 19816), (543, 19867), (559, 19903), (587, 19951), (613, 20011), (674, 20140), (701, 20218), (802, 20419), (804, 20425), (833, 20521), (892, 20686), (938, 20785),

Gene: LaterM_23 Start: 17116, Stop: 18882, Start Num: 145

Candidate Starts for LaterM_23:

(Start: 145 @17116 has 749 MA's), (Start: 170 @17146 has 1 MA's), (251, 17305), (261, 17338), (276, 17368), (291, 17401), (298, 17413), (338, 17503), (357, 17539), (361, 17545), (404, 17617), (409,

17626), (422, 17665), (436, 17710), (443, 17731), (444, 17734), (488, 17806), (504, 17848), (508, 17854), (516, 17881), (527, 17917), (548, 17974), (586, 18019), (593, 18037), (619, 18097), (628, 18127), (647, 18154), (693, 18259), (750, 18349), (797, 18418), (809, 18454), (820, 18484), (823, 18493), (845, 18568), (862, 18619), (909, 18718), (938, 18769), (960, 18853), (961, 18856), (971, 18874),

Gene: Latretium_17 Start: 15486, Stop: 17195, Start Num: 132

Candidate Starts for Latretium_17:

(Start: 132 @15486 has 199 MA's), (198, 15573), (210, 15594), (Start: 228 @15618 has 2 MA's), (237, 15642), (244, 15663), (277, 15747), (282, 15753), (290, 15771), (301, 15801), (349, 15906), (383, 15966), (389, 15975), (398, 15987), (404, 15996), (411, 16014), (415, 16020), (427, 16062), (438, 16095), (442, 16107), (459, 16122), (467, 16128), (481, 16146), (486, 16161), (488, 16167), (494, 16188), (503, 16206), (509, 16218), (510, 16224), (523, 16272), (530, 16284), (531, 16290), (586, 16350), (590, 16362), (606, 16398), (612, 16410), (644, 16485), (647, 16494), (656, 16512), (659, 16518), (671, 16548), (755, 16653), (761, 16662), (764, 16665), (785, 16701), (813, 16779), (844, 16878), (851, 16899), (862, 16932), (877, 16962), (886, 16992), (889, 17001), (891, 17007), (905, 17022), (906, 17025), (916, 17049), (935, 17079), (940, 17091), (947, 17121), (959, 17163),

Gene: Lauer_17 Start: 15467, Stop: 17161, Start Num: 145

Candidate Starts for Lauer_17:

(Start: 135 @15464 has 8 MA's), (Start: 145 @15467 has 749 MA's), (213, 15566), (Start: 239 @15608 has 1 MA's), (379, 15848), (423, 15935), (430, 15956), (433, 15965), (442, 15992), (463, 16037), (481, 16070), (486, 16085), (493, 16109), (506, 16142), (516, 16175), (520, 16187), (539, 16244), (565, 16274), (582, 16292), (592, 16322), (606, 16352), (628, 16415), (654, 16466), (675, 16502), (680, 16517), (689, 16535), (708, 16592), (710, 16601), (796, 16721), (802, 16733), (828, 16781), (844, 16832), (845, 16835), (851, 16853), (881, 16931), (890, 16958), (907, 17000), (961, 17147), (965, 17153),

Gene: LeBron_18 Start: 16772, Stop: 18541, Start Num: 130

Candidate Starts for LeBron_18:

(Start: 98 @16709 has 1 MA's), (106, 16730), (Start: 114 @16745 has 2 MA's), (Start: 130 @16772 has 38 MA's), (194, 16865), (Start: 220 @16913 has 45 MA's), (225, 16919), (245, 16946), (246, 16949), (248, 16955), (274, 17027), (281, 17036), (301, 17060), (306, 17075), (323, 17105), (397, 17231), (403, 17240), (413, 17261), (418, 17276), (440, 17345), (451, 17381), (467, 17402), (494, 17471), (510, 17510), (583, 17648), (587, 17660), (616, 17735), (619, 17741), (623, 17759), (638, 17798), (657, 17831), (661, 17840), (669, 17849), (674, 17858), (716, 17981), (732, 18017), (787, 18065), (794, 18077), (824, 18131), (854, 18227), (859, 18245), (861, 18251), (862, 18254), (879, 18287), (886, 18311), (912, 18374), (932, 18416), (944, 18455), (950, 18473), (956, 18494), (961, 18515),

Gene: LeMond_22 Start: 16387, Stop: 18156, Start Num: 138

Candidate Starts for LeMond_22:

(Start: 121 @16357 has 1 MA's), (Start: 138 @16387 has 25 MA's), (Start: 143 @16393 has 53 MA's), (Start: 170 @16420 has 1 MA's), (185, 16447), (244, 16561), (261, 16612), (291, 16675), (338, 16777), (341, 16783), (380, 16855), (404, 16891), (409, 16900), (422, 16939), (437, 16987), (443, 17005), (464, 17044), (465, 17047), (482, 17062), (486, 17074), (488, 17080), (504, 17122), (508, 17128), (516, 17155), (586, 17293), (593, 17311), (601, 17323), (628, 17401), (669, 17473), (675, 17485), (693, 17533), (742, 17608), (797, 17692), (808, 17725), (810, 17731), (820, 17758), (845, 17842), (847, 17848), (862, 17893), (865, 17899), (909, 17992), (950, 18088), (971, 18148),

Gene: Lederberg_17 Start: 16305, Stop: 18002, Start Num: 125

Candidate Starts for Lederberg_17:

(Start: 125 @16305 has 8 MA's), (Start: 138 @16326 has 25 MA's), (198, 16410), (210, 16437), (215, 16443), (301, 16575), (329, 16626), (349, 16659), (356, 16668), (425, 16803), (436, 16836), (442, 16854), (468, 16908), (488, 16953), (510, 17010), (513, 17022), (525, 17061), (562, 17112), (574, 17121), (584, 17142), (612, 17208), (647, 17298), (698, 17406), (715, 17460), (717, 17466), (723, 17484), (804, 17580), (818, 17601), (836, 17646), (892, 17805), (901, 17820), (906, 17835), (909, 17847), (965, 17991),

Gene: Lemur_27 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for Lemur_27:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (833, 21237), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: Lemuria_19 Start: 16718, Stop: 18526, Start Num: 112

Candidate Starts for Lemuria_19:

(Start: 112 @16718 has 1 MA's), (222, 16865), (244, 16919), (261, 16970), (Start: 288 @17024 has 1 MA's), (320, 17102), (357, 17171), (361, 17177), (488, 17447), (491, 17456), (504, 17489), (508, 17495), (520, 17534), (530, 17564), (550, 17618), (586, 17660), (647, 17801), (693, 17906), (701, 17933), (735, 17969), (742, 17981), (808, 18098), (828, 18161), (833, 18176), (840, 18200), (862, 18266), (909, 18365), (963, 18506),

Gene: Lennon_35 Start: 31965, Stop: 33728, Start Num: 107

Candidate Starts for Lennon_35:

(100, 31947), (Start: 107 @31965 has 72 MA's), (Start: 126 @32001 has 1 MA's), (216, 32139), (259, 32235), (265, 32244), (319, 32313), (349, 32364), (376, 32409), (385, 32424), (425, 32505), (440, 32550), (443, 32559), (487, 32649), (495, 32679), (503, 32694), (510, 32718), (520, 32748), (586, 32853), (629, 32970), (644, 32988), (649, 33003), (668, 33033), (674, 33045), (675, 33048), (686, 33075), (845, 33399), (846, 33402), (862, 33450), (875, 33477), (884, 33504), (905, 33558), (913, 33585), (966, 33723),

Gene: LeoAvram_27 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for LeoAvram_27:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (559, 20637), (560, 20640), (587, 20685), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: Leogania_30 Start: 22330, Stop: 24102, Start Num: 145

Candidate Starts for Leogania_30:

(Start: 128 @22306 has 10 MA's), (Start: 145 @22330 has 749 MA's), (Start: 239 @22465 has 1 MA's), (246, 22483), (303, 22564), (304, 22567), (347, 22639), (349, 22642), (381, 22696), (434, 22813), (445, 22846), (470, 22900), (494, 22960), (504, 22981), (507, 22984), (582, 23170), (617, 23257), (629, 23296), (675, 23377), (717, 23503), (720, 23509), (731, 23533), (757, 23557), (795, 23620), (802, 23635), (804, 23641), (821, 23695), (832, 23734), (836, 23749), (896, 23914), (907, 23944),

Gene: Leonard_33 Start: 29137, Stop: 30762, Start Num: 190

Candidate Starts for Leonard_33:

(Start: 154 @29080 has 21 MA's), (Start: 190 @29137 has 16 MA's), (198, 29149), (214, 29182), (219, 29191), (227, 29203), (Start: 239 @29233 has 1 MA's), (251, 29266), (289, 29350), (294, 29362), (326, 29437), (354, 29497), (371, 29527), (489, 29734), (500, 29764), (516, 29806), (517, 29809), (537, 29869), (586, 29917), (616, 29989), (627, 30022), (628, 30025), (649, 30064), (668, 30103), (700, 30190), (701, 30193), (787, 30271), (809, 30331), (824, 30376), (847, 30457), (867, 30511), (909, 30607), (959, 30736), (965, 30751),

Gene: Leozinho_17 Start: 14652, Stop: 16361, Start Num: 132

Candidate Starts for Leozinho_17:

(Start: 132 @14652 has 199 MA's), (198, 14739), (Start: 228 @14784 has 2 MA's), (237, 14808), (277, 14913), (282, 14919), (290, 14937), (301, 14967), (349, 15072), (383, 15132), (398, 15153), (404, 15162), (411, 15180), (415, 15186), (481, 15312), (486, 15327), (488, 15333), (501, 15369), (503, 15372), (509, 15384), (510, 15390), (523, 15438), (530, 15450), (531, 15456), (586, 15516), (590, 15528), (606, 15564), (612, 15576), (644, 15651), (647, 15660), (656, 15678), (659, 15684), (671, 15714), (755, 15819), (761, 15828), (764, 15831), (785, 15867), (813, 15945), (844, 16044), (851, 16065), (862, 16098), (877, 16128), (886, 16158), (889, 16167), (891, 16173), (905, 16188), (906, 16191), (916, 16215), (935, 16245), (940, 16257), (947, 16287), (959, 16329),

Gene: Leperchaun_16 Start: 14796, Stop: 16505, Start Num: 132

Candidate Starts for Leperchaun_16:

(Start: 132 @14796 has 199 MA's), (198, 14883), (Start: 228 @14928 has 2 MA's), (237, 14952), (277, 15057), (282, 15063), (290, 15081), (301, 15111), (349, 15216), (379, 15270), (383, 15276), (398, 15297), (404, 15306), (415, 15330), (481, 15456), (486, 15471), (488, 15477), (501, 15513), (503, 15516), (509, 15528), (510, 15534), (523, 15582), (530, 15594), (531, 15600), (586, 15660), (590, 15672), (606, 15708), (612, 15720), (644, 15795), (647, 15804), (656, 15822), (659, 15828), (671, 15858), (755, 15963), (764, 15975), (785, 16011), (813, 16089), (851, 16209), (862, 16242), (877, 16272), (880, 16284), (886, 16302), (889, 16311), (891, 16317), (905, 16332), (906, 16335), (916, 16359), (940, 16401), (947, 16431), (959, 16473),

Gene: Leroy_20 Start: 16435, Stop: 18132, Start Num: 145

Candidate Starts for Leroy_20:

(Start: 121 @16396 has 1 MA's), (Start: 145 @16435 has 749 MA's), (Start: 156 @16447 has 4 MA's), (158, 16450), (182, 16486), (205, 16525), (216, 16546), (241, 16588), (244, 16594), (245, 16597), (250, 16609), (261, 16645), (303, 16681), (329, 16738), (360, 16786), (375, 16813), (425, 16915), (438, 16954), (463, 17011), (469, 17029), (478, 17038), (481, 17044), (495, 17092), (508, 17122), (519, 17158), (521, 17164), (527, 17185), (528, 17188), (549, 17239), (583, 17266), (584, 17269), (594, 17296), (606, 17323), (632, 17395), (655, 17434), (687, 17488), (710, 17560), (730, 17605), (796, 17695), (804, 17713), (841, 17797), (844, 17806), (845, 17809), (847, 17815), (853, 17830), (863, 17860), (866, 17866), (875, 17887), (877, 17890), (894, 17944), (907, 17974), (909, 17983), (937, 18034), (947, 18067), (951, 18079), (956, 18097),

Gene: Lesedi_26 Start: 20868, Stop: 22670, Start Num: 148

Candidate Starts for Lesedi_26:

(Start: 148 @20868 has 202 MA's), (Start: 166 @20889 has 28 MA's), (Start: 191 @20931 has 1 MA's), (215, 20976), (349, 21192), (376, 21237), (381, 21246), (407, 21285), (425, 21336), (426, 21339), (507, 21534), (528, 21603), (616, 21804), (617, 21807), (623, 21828), (674, 21924), (675, 21927), (677, 21933), (701, 22002), (708, 22020), (710, 22029), (720, 22059), (779, 22155), (795, 22188), (802, 22203), (845, 22344), (865, 22401), (907, 22512),

Gene: Leston_21 Start: 17625, Stop: 19397, Start Num: 150

Candidate Starts for Leston_21:

(Start: 150 @17625 has 25 MA's), (155, 17631), (172, 17655), (Start: 193 @17688 has 1 MA's), (222, 17736), (244, 17790), (261, 17841), (291, 17904), (341, 18012), (404, 18120), (443, 18234), (444, 18237), (482, 18291), (486, 18303), (488, 18309), (504, 18351), (508, 18357), (520, 18396), (527, 18420), (586, 18522), (613, 18585), (627, 18630), (693, 18765), (754, 18864), (802, 18942), (808, 18966), (810, 18972), (814, 18987), (845, 19083), (847, 19089), (914, 19242), (955, 19347), (956, 19350), (960, 19368),

Gene: Lev2_24 Start: 19477, Stop: 21276, Start Num: 145

Candidate Starts for Lev2_24:

(Start: 145 @19477 has 749 MA's), (Start: 220 @19582 has 45 MA's), (240, 19615), (304, 19714), (349, 19789), (361, 19804), (379, 19840), (419, 19912), (423, 19927), (434, 19960), (436, 19966), (523, 20191), (527, 20197), (560, 20287), (613, 20392), (616, 20401), (629, 20443), (637, 20461), (674, 20521), (675, 20524), (701, 20599), (708, 20617), (777, 20758), (795, 20794), (865, 21007), (904, 21109), (907, 21118), (953, 21232), (959, 21253), (961, 21262),

Gene: Leviathan_30 Start: 20689, Stop: 22461, Start Num: 145

Candidate Starts for Leviathan_30:

(Start: 128 @20665 has 10 MA's), (Start: 145 @20689 has 749 MA's), (199, 20755), (216, 20788), (256, 20872), (303, 20923), (304, 20926), (347, 20998), (349, 21001), (381, 21055), (407, 21094), (434, 21172), (470, 21259), (504, 21340), (507, 21343), (582, 21529), (617, 21616), (668, 21721), (675, 21736), (717, 21862), (720, 21868), (757, 21916), (802, 21994), (804, 22000), (821, 22054), (832, 22093), (836, 22108), (865, 22192), (907, 22303),

Gene: Lewan_18 Start: 16989, Stop: 18722, Start Num: 165

Candidate Starts for Lewan_18:

(Start: 165 @16989 has 28 MA's), (205, 17058), (274, 17199), (276, 17202), (306, 17247), (326, 17280), (329, 17289), (350, 17325), (379, 17379), (397, 17406), (405, 17418), (423, 17469), (425, 17475), (436, 17508), (500, 17661), (510, 17685), (512, 17694), (527, 17739), (533, 17754), (583, 17832), (657, 18015), (691, 18087), (703, 18123), (783, 18243), (787, 18249), (794, 18261), (826, 18324), (854, 18411), (862, 18438), (890, 18507), (897, 18522), (905, 18534), (912, 18558), (944, 18636),

Gene: Licorice_29 Start: 22097, Stop: 23899, Start Num: 148

Candidate Starts for Licorice_29:

(Start: 148 @22097 has 202 MA's), (Start: 166 @22118 has 28 MA's), (Start: 191 @22160 has 1 MA's), (215, 22205), (349, 22421), (376, 22466), (381, 22475), (407, 22514), (425, 22565), (426, 22568), (507, 22763), (528, 22832), (616, 23033), (617, 23036), (623, 23057), (674, 23153), (675, 23156), (677, 23162), (701, 23231), (708, 23249), (710, 23258), (720, 23288), (779, 23384), (795, 23417), (802, 23432), (845, 23573), (865, 23630), (907, 23741), (966, 23894),

Gene: Liefie_18 Start: 16648, Stop: 18402, Start Num: 164

Candidate Starts for Liefie_18:

(Start: 138 @16639 has 25 MA's), (Start: 164 @16648 has 42 MA's), (Start: 168 @16654 has 2 MA's), (172, 16660), (222, 16738), (244, 16792), (261, 16843), (276, 16873), (Start: 288 @16897 has 1 MA's), (335, 16999), (353, 17038), (357, 17044), (365, 17059), (392, 17104), (439, 17224), (466, 17281), (488, 17320), (508, 17368), (516, 17395), (520, 17407), (548, 17488), (586, 17533), (675, 17731), (687, 17761), (693, 17779), (701, 17806), (760, 17890), (778, 17908), (792, 17923), (808, 17971), (812, 17986), (833, 18049), (851, 18106), (865, 18145), (882, 18187), (909, 18238), (950, 18334), (971, 18394),

Gene: LilBib_28 Start: 22310, Stop: 24112, Start Num: 148

Candidate Starts for LilBib_28:

(Start: 148 @22310 has 202 MA's), (Start: 166 @22331 has 28 MA's), (Start: 191 @22373 has 1 MA's), (215, 22418), (349, 22634), (376, 22679), (381, 22688), (407, 22727), (425, 22778), (426, 22781), (507, 22976), (528, 23045), (616, 23246), (617, 23249), (623, 23270), (674, 23366), (675, 23369), (677, 23375), (701, 23444), (708, 23462), (710, 23471), (720, 23501), (779, 23597), (795, 23630), (802, 23645), (810, 23675), (845, 23786), (865, 23843), (907, 23954),

Gene: LilDestine_18 Start: 16988, Stop: 18721, Start Num: 165

Candidate Starts for LilDestine_18:

(Start: 165 @16988 has 28 MA's), (205, 17057), (274, 17198), (276, 17201), (306, 17246), (326, 17279), (329, 17288), (350, 17324), (379, 17378), (397, 17405), (405, 17417), (423, 17468), (425, 17474), (436, 17507), (500, 17660), (510, 17684), (512, 17693), (527, 17738), (533, 17753), (583, 17831), (626, 17951), (657, 18014), (691, 18086), (703, 18122), (783, 18242), (787, 18248), (794, 18260), (826, 18323), (841, 18374), (854, 18410), (862, 18437), (890, 18506), (897, 18521), (905, 18533), (912, 18557), (944, 18635),

Gene: LilHam_32 Start: 28981, Stop: 30744, Start Num: 107

Candidate Starts for LilHam_32:

(Start: 107 @28981 has 72 MA's), (Start: 126 @29017 has 1 MA's), (210, 29146), (216, 29155), (259, 29251), (265, 29260), (319, 29329), (349, 29380), (356, 29389), (376, 29425), (385, 29440), (397, 29458), (425, 29521), (440, 29566), (443, 29575), (493, 29686), (495, 29695), (503, 29710), (510, 29734), (520, 29764), (629, 29986), (644, 30004), (649, 30019), (674, 30061), (686, 30091), (732, 30211), (798, 30304), (845, 30415), (846, 30418), (862, 30466), (875, 30493), (884, 30520), (905, 30574),

Gene: LilHazelnut_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for LilHazelnut_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: LilMoolah_16 Start: 14938, Stop: 16647, Start Num: 132

Candidate Starts for LilMoolah_16:

(Start: 132 @14938 has 199 MA's), (198, 15025), (Start: 228 @15070 has 2 MA's), (237, 15094), (256, 15151), (277, 15199), (282, 15205), (290, 15223), (301, 15253), (349, 15358), (379, 15412), (383, 15418), (389, 15427), (404, 15448), (415, 15472), (425, 15508), (427, 15514), (438, 15547), (439, 15550), (442, 15559), (459, 15574), (467, 15580), (481, 15598), (486, 15613), (488, 15619), (493, 15637), (494, 15640), (501, 15655), (509, 15670), (510, 15676), (523, 15724), (530, 15736), (531, 15742), (586, 15802), (590, 15814), (606, 15850), (612, 15862), (644, 15937), (647, 15946), (656, 15964), (659, 15970), (671, 16000), (755, 16105), (764, 16117), (785, 16153), (813, 16231), (851, 16351), (862, 16384), (877, 16414), (880, 16426), (886, 16444), (888, 16450), (889, 16453), (891, 16459), (905, 16474), (906, 16477), (914, 16498), (916, 16501), (940, 16543), (947, 16573), (959, 16615), (960, 16621),

Gene: LilPharaoh_19 Start: 16697, Stop: 18463, Start Num: 145

Candidate Starts for LilPharaoh_19:

(Start: 145 @16697 has 749 MA's), (Start: 150 @16703 has 25 MA's), (Start: 170 @16727 has 1 MA's), (Start: 239 @16853 has 1 MA's), (244, 16868), (251, 16886), (276, 16949), (338, 17084), (341, 17090), (404, 17198), (409, 17207), (443, 17312), (486, 17381), (488, 17387), (501, 17423), (508,

17435), (527, 17498), (586, 17600), (593, 17618), (612, 17660), (613, 17663), (666, 17768), (693, 17840), (758, 17948), (763, 17954), (797, 17999), (814, 18053), (823, 18074), (845, 18149), (862, 18200), (909, 18299), (917, 18314), (938, 18350), (950, 18395), (960, 18434), (961, 18437), (971, 18455),

Gene: LilSpotty_18 Start: 14614, Stop: 16329, Start Num: 126

Candidate Starts for LilSpotty_18:

(Start: 121 @14602 has 1 MA's), (Start: 126 @14614 has 1 MA's), (306, 14896), (329, 14944), (407, 15070), (435, 15151), (477, 15241), (481, 15250), (507, 15325), (516, 15355), (517, 15358), (520, 15367), (582, 15460), (592, 15490), (629, 15586), (631, 15589), (669, 15652), (676, 15667), (693, 15712), (708, 15757), (710, 15766), (773, 15838), (804, 15904), (845, 16000), (846, 16003), (865, 16057), (875, 16078), (877, 16081), (907, 16165), (915, 16189), (943, 16252), (957, 16297), (959, 16306),

Gene: LilTurb_30 Start: 20692, Stop: 22464, Start Num: 145

Candidate Starts for LilTurb_30:

(Start: 128 @20668 has 10 MA's), (Start: 145 @20692 has 749 MA's), (216, 20791), (256, 20875), (303, 20926), (304, 20929), (347, 21001), (349, 21004), (381, 21058), (407, 21097), (434, 21175), (470, 21262), (504, 21343), (507, 21346), (582, 21532), (617, 21619), (668, 21724), (675, 21739), (717, 21865), (720, 21871), (757, 21919), (802, 21997), (804, 22003), (821, 22057), (832, 22096), (836, 22111), (865, 22195), (907, 22306),

Gene: Lilac_26 Start: 19243, Stop: 20922, Start Num: 137

Candidate Starts for Lilac_26:

(Start: 137 @19243 has 84 MA's), (Start: 197 @19327 has 47 MA's), (Start: 239 @19405 has 1 MA's), (272, 19492), (282, 19507), (301, 19555), (315, 19594), (363, 19681), (380, 19714), (404, 19750), (417, 19780), (418, 19786), (441, 19855), (483, 19885), (487, 19897), (488, 19900), (510, 19957), (587, 20089), (589, 20095), (617, 20161), (620, 20167), (626, 20191), (647, 20239), (659, 20263), (665, 20272), (695, 20347), (761, 20398), (772, 20413), (833, 20575), (841, 20602), (851, 20632), (890, 20737), (938, 20815), (947, 20851), (950, 20860), (959, 20893), (965, 20908),

Gene: Lilas_20 Start: 17715, Stop: 19421, Start Num: 145

Candidate Starts for Lilas_20:

(Start: 129 @17691 has 45 MA's), (Start: 145 @17715 has 749 MA's), (186, 17763), (216, 17820), (242, 17862), (349, 18051), (423, 18198), (425, 18204), (440, 18249), (500, 18387), (525, 18462), (674, 18744), (681, 18765), (708, 18840), (759, 18927), (787, 18963), (802, 18996), (804, 19002), (835, 19068), (845, 19098), (905, 19254), (907, 19260), (912, 19278), (957, 19389),

Gene: Lilbeanie_30 Start: 24430, Stop: 26055, Start Num: 188

Candidate Starts for Lilbeanie_30:

(Start: 188 @24430 has 1 MA's), (Start: 192 @24436 has 10 MA's), (210, 24469), (230, 24502), (251, 24559), (329, 24739), (371, 24820), (420, 24913), (422, 24919), (424, 24928), (489, 25027), (492, 25039), (500, 25057), (516, 25099), (537, 25162), (587, 25213), (589, 25219), (649, 25357), (668, 25396), (669, 25399), (691, 25453), (693, 25459), (701, 25486), (755, 25513), (772, 25537), (787, 25564), (814, 25642), (824, 25669), (849, 25756), (859, 25786), (886, 25855), (896, 25882), (938, 25951), (939, 25954), (942, 25972), (955, 26014), (965, 26044),

Gene: Lilbit_51 Start: 27401, Stop: 29113, Start Num: 166

Candidate Starts for Lilbit_51:

(120, 27338), (Start: 166 @27401 has 28 MA's), (211, 27482), (246, 27539), (276, 27620), (281, 27626), (317, 27683), (323, 27695), (329, 27707), (352, 27746), (363, 27761), (403, 27830), (423, 27884), (426, 27893), (491, 28049), (510, 28097), (512, 28106), (516, 28115), (528, 28154), (535, 28169), (583, 28232), (587, 28244), (629, 28361), (631, 28364), (657, 28415), (673, 28442), (675,

28445), (682, 28466), (698, 28508), (777, 28628), (787, 28646), (847, 28790), (862, 28835), (871, 28853), (904, 28937), (907, 28946), (912, 28964), (925, 28985), (944, 29030), (946, 29036), (950, 29048), (953, 29060), (957, 29072), (965, 29096), (969, 29102),

Gene: Lilbunny_30 Start: 19971, Stop: 21743, Start Num: 145

Candidate Starts for Lilbunny_30:

(103, 19905), (Start: 128 @19947 has 10 MA's), (Start: 145 @19971 has 749 MA's), (304, 20208), (347, 20280), (349, 20283), (361, 20298), (381, 20337), (385, 20343), (434, 20454), (436, 20460), (448, 20499), (470, 20541), (488, 20580), (504, 20622), (507, 20625), (560, 20781), (624, 20922), (629, 20937), (720, 21150), (791, 21249), (802, 21276), (817, 21327), (821, 21336), (832, 21375), (836, 21390), (865, 21474), (905, 21579), (907, 21585), (959, 21720),

Gene: LilhomieP_27 Start: 22368, Stop: 24104, Start Num: 147

Candidate Starts for LilhomieP_27:

(66, 22146), (Start: 115 @22326 has 3 MA's), (Start: 124 @22341 has 2 MA's), (Start: 147 @22368 has 14 MA's), (Start: 166 @22383 has 28 MA's), (189, 22422), (205, 22452), (207, 22458), (215, 22470), (271, 22575), (274, 22590), (303, 22629), (372, 22752), (376, 22761), (423, 22857), (437, 22899), (438, 22902), (510, 23079), (552, 23190), (583, 23217), (609, 23289), (612, 23298), (613, 23301), (617, 23313), (674, 23433), (675, 23436), (691, 23478), (700, 23508), (703, 23514), (783, 23634), (787, 23640), (936, 23994), (944, 24021), (950, 24039), (952, 24048),

Gene: Lilith_29 Start: 20372, Stop: 22168, Start Num: 145

Candidate Starts for Lilith_29:

(Start: 145 @20372 has 749 MA's), (Start: 191 @20429 has 1 MA's), (199, 20444), (216, 20477), (233, 20498), (Start: 239 @20513 has 1 MA's), (297, 20600), (303, 20612), (304, 20615), (349, 20690), (361, 20705), (379, 20741), (470, 20948), (516, 21062), (528, 21101), (560, 21188), (616, 21302), (623, 21326), (629, 21344), (675, 21425), (701, 21500), (708, 21518), (717, 21551), (720, 21557), (739, 21596), (777, 21650), (779, 21653), (791, 21674), (810, 21731), (865, 21899), (905, 22004), (907, 22010), (959, 22145),

Gene: Lilizi_26 Start: 19451, Stop: 21130, Start Num: 137

Candidate Starts for Lilizi_26:

(Start: 137 @19451 has 84 MA's), (Start: 197 @19535 has 47 MA's), (Start: 239 @19613 has 1 MA's), (272, 19700), (282, 19715), (301, 19763), (315, 19802), (363, 19889), (380, 19922), (404, 19958), (417, 19988), (418, 19994), (441, 20063), (483, 20093), (487, 20105), (488, 20108), (510, 20165), (587, 20297), (589, 20303), (617, 20369), (620, 20375), (626, 20399), (647, 20447), (659, 20471), (665, 20480), (695, 20555), (761, 20606), (772, 20621), (833, 20783), (841, 20810), (851, 20840), (890, 20945), (938, 21023), (947, 21059), (950, 21068), (959, 21101), (965, 21116),

Gene: Lillie_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for Lillie_23:

(Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (261, 16526), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (478, 16904), (481, 16910), (486, 16925), (487, 16928), (507, 16976), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: Lilpickle_23 Start: 18953, Stop: 20632, Start Num: 137

Candidate Starts for Lilpickle_23:

(Start: 137 @18953 has 84 MA's), (Start: 197 @19037 has 47 MA's), (Start: 239 @19115 has 1 MA's), (272, 19202), (282, 19217), (301, 19265), (315, 19304), (363, 19391), (380, 19424), (404, 19460), (417, 19490), (418, 19496), (441, 19565), (483, 19595), (487, 19607), (488, 19610), (510, 19667), (587, 19799), (589, 19805), (617, 19871), (620, 19877), (626, 19901), (647, 19949), (659, 19973),

(665, 19982), (695, 20057), (761, 20108), (772, 20123), (833, 20285), (841, 20312), (851, 20342), (890, 20447), (938, 20525), (947, 20561), (950, 20570), (959, 20603), (965, 20618),

Gene: LindNT_23 Start: 17122, Stop: 18888, Start Num: 145

Candidate Starts for LindNT_23:

(Start: 145 @17122 has 749 MA's), (Start: 170 @17152 has 1 MA's), (251, 17311), (261, 17344), (276, 17374), (291, 17407), (298, 17419), (338, 17509), (361, 17551), (398, 17614), (404, 17623), (409, 17632), (422, 17671), (436, 17716), (443, 17737), (444, 17740), (488, 17812), (504, 17854), (508, 17860), (516, 17887), (586, 18025), (593, 18043), (612, 18085), (619, 18103), (628, 18133), (647, 18160), (693, 18265), (797, 18424), (809, 18460), (820, 18490), (823, 18499), (845, 18574), (862, 18625), (950, 18820), (960, 18859), (961, 18862), (971, 18880),

Gene: LitninMcQueen_20 Start: 16422, Stop: 18119, Start Num: 145

Candidate Starts for LitninMcQueen_20:

(Start: 121 @16383 has 1 MA's), (Start: 145 @16422 has 749 MA's), (Start: 156 @16434 has 4 MA's), (182, 16473), (205, 16512), (216, 16533), (244, 16581), (247, 16590), (261, 16632), (303, 16668), (329, 16725), (360, 16773), (375, 16800), (438, 16941), (463, 16998), (469, 17016), (478, 17025), (481, 17031), (508, 17109), (519, 17145), (521, 17151), (527, 17172), (528, 17175), (549, 17226), (583, 17253), (584, 17256), (594, 17283), (606, 17310), (632, 17382), (655, 17421), (687, 17475), (700, 17517), (730, 17592), (783, 17655), (796, 17682), (798, 17685), (804, 17700), (841, 17784), (844, 17793), (845, 17796), (847, 17802), (851, 17814), (853, 17817), (863, 17847), (866, 17853), (875, 17874), (877, 17877), (894, 17931), (907, 17961), (909, 17970), (937, 18021), (947, 18054), (951, 18066), (956, 18084),

Gene: LittleB_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for LittleB_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: LittleCherry_24 Start: 19659, Stop: 21455, Start Num: 145

Candidate Starts for LittleCherry_24:

(Start: 145 @19659 has 749 MA's), (Start: 220 @19764 has 45 MA's), (240, 19797), (304, 19896), (349, 19971), (361, 19986), (379, 20022), (419, 20094), (423, 20109), (436, 20148), (445, 20175), (451, 20196), (476, 20235), (516, 20343), (523, 20373), (527, 20379), (587, 20514), (612, 20571), (613, 20574), (616, 20583), (629, 20625), (637, 20643), (674, 20703), (675, 20706), (708, 20799), (710, 20808), (717, 20832), (777, 20940), (795, 20976), (865, 21186), (904, 21288), (907, 21297), (953, 21411), (959, 21432), (961, 21441),

Gene: LittleE_37 Start: 28308, Stop: 30041, Start Num: 133

Candidate Starts for LittleE_37:

(Start: 133 @28308 has 29 MA's), (Start: 197 @28398 has 47 MA's), (198, 28401), (247, 28503), (272, 28569), (291, 28605), (302, 28635), (307, 28650), (345, 28734), (365, 28770), (380, 28797), (406, 28836), (418, 28869), (421, 28878), (439, 28935), (469, 28977), (507, 29052), (510, 29064), (530, 29124), (573, 29178), (587, 29208), (595, 29226), (601, 29235), (613, 29268), (617, 29280), (620, 29286), (632, 29325), (659, 29382), (772, 29532), (782, 29550), (802, 29592), (808, 29616), (809, 29619), (813, 29634), (824, 29664), (833, 29694), (851, 29751), (919, 29901), (961, 30021), (965, 30027),

Gene: LittleGuy_27 Start: 19770, Stop: 21548, Start Num: 145

Candidate Starts for LittleGuy_27:

(Start: 128 @19746 has 10 MA's), (Start: 145 @19770 has 749 MA's), (Start: 191 @19827 has 1 MA's), (Start: 220 @19881 has 45 MA's), (233, 19896), (240, 19914), (297, 19998), (303, 20010), (304, 20013), (349, 20088), (361, 20103), (381, 20142), (434, 20259), (470, 20346), (504, 20427), (521, 20475), (528, 20499), (560, 20586), (587, 20631), (617, 20703), (623, 20724), (629, 20742), (675, 20823), (708, 20916), (710, 20925), (717, 20949), (720, 20955), (731, 20979), (779, 21033), (791, 21054), (808, 21105), (815, 21129), (833, 21183), (865, 21279), (905, 21384), (909, 21399), (954, 21507), (959, 21525),

Gene: LittleLaf_50 Start: 27130, Stop: 28842, Start Num: 166

Candidate Starts for LittleLaf_50:

(120, 27067), (Start: 166 @27130 has 28 MA's), (211, 27211), (246, 27268), (276, 27349), (281, 27355), (317, 27412), (323, 27424), (329, 27436), (352, 27475), (363, 27490), (403, 27559), (423, 27613), (426, 27622), (491, 27778), (510, 27826), (512, 27835), (516, 27844), (528, 27883), (535, 27898), (583, 27961), (587, 27973), (629, 28090), (631, 28093), (657, 28144), (673, 28171), (675, 28174), (682, 28195), (698, 28237), (777, 28357), (787, 28375), (847, 28519), (862, 28564), (871, 28582), (904, 28666), (907, 28675), (912, 28693), (925, 28714), (944, 28759), (946, 28765), (950, 28777), (953, 28789), (957, 28801), (965, 28825), (969, 28831),

Gene: LittleShirley_17 Start: 14625, Stop: 16334, Start Num: 132

Candidate Starts for LittleShirley_17:

(Start: 132 @14625 has 199 MA's), (198, 14712), (210, 14733), (Start: 228 @14757 has 2 MA's), (237, 14781), (244, 14802), (277, 14886), (282, 14892), (290, 14910), (301, 14940), (349, 15045), (383, 15105), (398, 15126), (404, 15135), (415, 15159), (438, 15234), (439, 15237), (442, 15246), (459, 15261), (467, 15267), (481, 15285), (486, 15300), (488, 15306), (494, 15327), (501, 15342), (509, 15357), (510, 15363), (523, 15411), (530, 15423), (531, 15429), (586, 15489), (590, 15501), (606, 15537), (612, 15549), (644, 15624), (647, 15633), (656, 15651), (659, 15657), (671, 15687), (755, 15792), (764, 15804), (785, 15840), (813, 15918), (851, 16038), (862, 16071), (877, 16101), (880, 16113), (886, 16131), (888, 16137), (889, 16140), (891, 16146), (905, 16161), (906, 16164), (914, 16185), (916, 16188), (940, 16230), (947, 16260), (959, 16302), (960, 16308),

Gene: Lizziana_16 Start: 14813, Stop: 16522, Start Num: 132

Candidate Starts for Lizziana_16:

(Start: 132 @14813 has 199 MA's), (198, 14900), (Start: 228 @14945 has 2 MA's), (237, 14969), (277, 15074), (282, 15080), (290, 15098), (301, 15128), (349, 15233), (379, 15287), (383, 15293), (389, 15302), (404, 15323), (415, 15347), (425, 15383), (427, 15389), (438, 15422), (439, 15425), (442, 15434), (459, 15449), (467, 15455), (481, 15473), (486, 15488), (488, 15494), (493, 15512), (494, 15515), (501, 15530), (509, 15545), (510, 15551), (523, 15599), (530, 15611), (531, 15617), (586, 15677), (590, 15689), (606, 15725), (612, 15737), (644, 15812), (647, 15821), (656, 15839), (659, 15845), (671, 15875), (755, 15980), (764, 15992), (785, 16028), (813, 16106), (851, 16226), (862, 16259), (877, 16289), (880, 16301), (886, 16319), (888, 16325), (889, 16328), (891, 16334), (905, 16349), (906, 16352), (914, 16373), (916, 16376), (940, 16418), (947, 16448), (959, 16490), (960, 16496),

Gene: Llama_16 Start: 15041, Stop: 16750, Start Num: 132

Candidate Starts for Llama_16:

(Start: 132 @15041 has 199 MA's), (198, 15128), (210, 15149), (Start: 228 @15173 has 2 MA's), (237, 15197), (244, 15218), (277, 15302), (282, 15308), (290, 15326), (301, 15356), (349, 15461), (379, 15515), (383, 15521), (395, 15539), (398, 15542), (404, 15551), (415, 15575), (438, 15650), (442, 15662), (459, 15677), (467, 15683), (481, 15701), (486, 15716), (488, 15722), (496, 15749), (501, 15758), (509, 15773), (510, 15779), (523, 15827), (530, 15839), (531, 15845), (586, 15905), (590, 15917), (606, 15953), (612, 15965), (620, 15986), (644, 16040), (647, 16049), (656, 16067), (659,

16073), (671, 16103), (755, 16208), (761, 16217), (764, 16220), (785, 16256), (803, 16295), (813, 16334), (851, 16454), (862, 16487), (877, 16517), (886, 16547), (889, 16556), (891, 16562), (905, 16577), (906, 16580), (914, 16601), (916, 16604), (938, 16640), (940, 16646), (947, 16676), (959, 16718),

Gene: Llij_16 Start: 14790, Stop: 16499, Start Num: 132

Candidate Starts for Llij_16:

(Start: 132 @14790 has 199 MA's), (198, 14877), (Start: 228 @14922 has 2 MA's), (237, 14946), (256, 15003), (277, 15051), (282, 15057), (290, 15075), (301, 15105), (326, 15159), (349, 15210), (379, 15264), (383, 15270), (389, 15279), (404, 15300), (415, 15324), (425, 15360), (427, 15366), (438, 15399), (439, 15402), (442, 15411), (459, 15426), (467, 15432), (481, 15450), (486, 15465), (488, 15471), (493, 15489), (494, 15492), (501, 15507), (509, 15522), (510, 15528), (523, 15576), (530, 15588), (531, 15594), (586, 15654), (590, 15666), (606, 15702), (612, 15714), (644, 15789), (647, 15798), (656, 15816), (659, 15822), (671, 15852), (755, 15957), (764, 15969), (785, 16005), (813, 16083), (851, 16203), (862, 16236), (877, 16266), (880, 16278), (886, 16296), (888, 16302), (889, 16305), (891, 16311), (905, 16326), (906, 16329), (914, 16350), (916, 16353), (940, 16395), (947, 16425), (959, 16467), (960, 16473),

Gene: Llorens_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Llorens_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Loadrie_18 Start: 17021, Stop: 18754, Start Num: 165

Candidate Starts for Loadrie_18:

(Start: 165 @17021 has 28 MA's), (205, 17090), (274, 17231), (276, 17234), (306, 17279), (326, 17312), (329, 17321), (350, 17357), (379, 17411), (397, 17438), (405, 17450), (423, 17501), (425, 17507), (436, 17540), (500, 17693), (510, 17717), (512, 17726), (527, 17771), (533, 17786), (583, 17864), (626, 17984), (657, 18047), (691, 18119), (703, 18155), (783, 18275), (787, 18281), (794, 18293), (826, 18356), (854, 18443), (862, 18470), (890, 18539), (897, 18554), (905, 18566), (912, 18590), (944, 18668),

Gene: LochMonster_27 Start: 19802, Stop: 21580, Start Num: 145

Candidate Starts for LochMonster_27:

(Start: 128 @19778 has 10 MA's), (Start: 145 @19802 has 749 MA's), (Start: 191 @19859 has 1 MA's), (Start: 220 @19913 has 45 MA's), (233, 19928), (240, 19946), (297, 20030), (303, 20042), (304, 20045), (349, 20120), (361, 20135), (381, 20174), (434, 20291), (470, 20378), (504, 20459), (521, 20507), (528, 20531), (560, 20618), (587, 20663), (617, 20735), (623, 20756), (629, 20774), (708, 20948), (710, 20957), (717, 20981), (720, 20987), (731, 21011), (779, 21065), (791, 21086), (808, 21137), (815, 21161), (833, 21215), (865, 21311), (905, 21416), (909, 21431), (954, 21539), (959, 21557),

Gene: Lockley_27 Start: 21053, Stop: 22855, Start Num: 148

Candidate Starts for Lockley_27:

(Start: 148 @21053 has 202 MA's), (Start: 166 @21074 has 28 MA's), (Start: 191 @21116 has 1 MA's), (215, 21161), (349, 21377), (376, 21422), (381, 21431), (425, 21521), (426, 21524), (507, 21719), (528, 21788), (552, 21848), (612, 21977), (616, 21989), (617, 21992), (623, 22013), (674, 22109), (675, 22112), (677, 22118), (701, 22187), (708, 22205), (710, 22214), (720, 22244), (779, 22340), (795, 22373), (802, 22388), (845, 22529), (865, 22586), (907, 22697),

Gene: Lolk_31 Start: 21813, Stop: 23609, Start Num: 128

Candidate Starts for Lolk_31:

(Start: 128 @21813 has 10 MA's), (Start: 145 @21837 has 749 MA's), (256, 22020), (303, 22071), (304, 22074), (347, 22146), (349, 22149), (381, 22203), (407, 22242), (434, 22320), (470, 22407), (504, 22488), (507, 22491), (520, 22533), (582, 22677), (617, 22764), (629, 22803), (675, 22884), (720, 23016), (795, 23127), (802, 23142), (804, 23148), (821, 23202), (832, 23241), (836, 23256), (847, 23289), (865, 23340), (894, 23418), (905, 23445), (907, 23451), (935, 23505),

Gene: Lollipop1437_46 Start: 31458, Stop: 33080, Start Num: 260

Candidate Starts for Lollipop1437_46:

(Start: 260 @31458 has 35 MA's), (322, 31575), (443, 31815), (447, 31827), (452, 31842), (484, 31908), (489, 31923), (527, 32034), (538, 32064), (539, 32067), (572, 32124), (604, 32196), (633, 32280), (643, 32301), (688, 32388), (704, 32436), (756, 32562), (757, 32565), (780, 32598), (810, 32655), (851, 32784), (865, 32823), (920, 32928), (943, 32991), (947, 33003), (951, 33015), (953, 33024), (964, 33060),

Gene: Lolly9_19 Start: 17191, Stop: 18954, Start Num: 130

Candidate Starts for Lolly9_19:

(Start: 130 @17191 has 38 MA's), (155, 17218), (194, 17281), (Start: 220 @17329 has 45 MA's), (225, 17335), (248, 17371), (276, 17446), (297, 17470), (301, 17476), (329, 17533), (397, 17647), (405, 17659), (443, 17770), (507, 17914), (510, 17926), (616, 18148), (619, 18154), (638, 18211), (661, 18253), (669, 18262), (675, 18274), (701, 18349), (723, 18415), (731, 18427), (732, 18430), (787, 18478), (824, 18544), (847, 18622), (862, 18667), (882, 18712), (886, 18724), (912, 18787), (930, 18823), (936, 18838), (944, 18868), (946, 18874), (950, 18886), (952, 18895), (956, 18907),

Gene: LoneWolf_29 Start: 21342, Stop: 23132, Start Num: 145

Candidate Starts for LoneWolf_29:

(Start: 145 @21342 has 749 MA's), (303, 21576), (304, 21579), (347, 21651), (349, 21654), (361, 21669), (381, 21708), (385, 21714), (407, 21747), (415, 21765), (434, 21825), (445, 21858), (470, 21912), (504, 21993), (507, 21996), (551, 22122), (582, 22182), (609, 22245), (617, 22269), (675, 22389), (717, 22515), (723, 22533), (737, 22557), (779, 22617), (795, 22650), (802, 22665), (832, 22764), (833, 22767), (836, 22779), (865, 22863), (890, 22929), (905, 22968), (907, 22974), (928, 23019), (950, 23076), (951, 23079),

Gene: LonelyBoi_20 Start: 17718, Stop: 19424, Start Num: 145

Candidate Starts for LonelyBoi_20:

(Start: 129 @17694 has 45 MA's), (Start: 145 @17718 has 749 MA's), (216, 17823), (242, 17865), (285, 17940), (349, 18054), (423, 18201), (425, 18207), (440, 18252), (500, 18390), (525, 18465), (674, 18747), (681, 18768), (708, 18843), (759, 18930), (787, 18966), (802, 18999), (804, 19005), (835, 19071), (845, 19101), (907, 19263), (912, 19281), (957, 19392),

Gene: Looper_31 Start: 19093, Stop: 20880, Start Num: 145

Candidate Starts for Looper_31:

(103, 19027), (Start: 128 @19069 has 10 MA's), (Start: 145 @19093 has 749 MA's), (240, 19231), (259, 19288), (304, 19330), (328, 19366), (349, 19405), (391, 19474), (407, 19498), (426, 19552), (488, 19702), (507, 19747), (516, 19777), (527, 19813), (543, 19864), (559, 19900), (587, 19948), (613, 20008), (674, 20137), (701, 20215), (802, 20416), (804, 20422), (833, 20518), (892, 20683), (938, 20782),

Gene: Lopton_28 Start: 22455, Stop: 24257, Start Num: 148

Candidate Starts for Lopton_28:

(Start: 148 @22455 has 202 MA's), (Start: 166 @22476 has 28 MA's), (Start: 191 @22518 has 1 MA's), (215, 22563), (349, 22779), (376, 22824), (381, 22833), (407, 22872), (425, 22923), (426, 22926), (507, 23121), (528, 23190), (616, 23391), (617, 23394), (623, 23415), (674, 23511), (675, 23514), (677, 23520), (701, 23589), (708, 23607), (710, 23616), (720, 23646), (779, 23742), (795, 23775), (802, 23790), (845, 23931), (865, 23988), (907, 24099),

Gene: LordFarquaad_17 Start: 14751, Stop: 16460, Start Num: 269

Candidate Starts for LordFarquaad_17:

(208, 14616), (Start: 269 @14751 has 31 MA's), (359, 14940), (361, 14943), (405, 15018), (429, 15072), (452, 15141), (459, 15153), (489, 15231), (490, 15234), (532, 15366), (547, 15420), (567, 15471), (581, 15501), (605, 15561), (610, 15573), (628, 15609), (688, 15726), (694, 15744), (707, 15783), (745, 15879), (803, 15987), (893, 16263), (894, 16266), (918, 16314), (932, 16344),

Gene: Lorde_17 Start: 14628, Stop: 16337, Start Num: 132

Candidate Starts for Lorde_17:

(Start: 132 @14628 has 199 MA's), (198, 14715), (Start: 228 @14760 has 2 MA's), (237, 14784), (256, 14841), (277, 14889), (282, 14895), (290, 14913), (301, 14943), (349, 15048), (379, 15102), (383, 15108), (389, 15117), (398, 15129), (404, 15138), (415, 15162), (425, 15198), (427, 15204), (431, 15216), (438, 15237), (439, 15240), (442, 15249), (459, 15264), (467, 15270), (481, 15288), (486, 15303), (488, 15309), (493, 15327), (494, 15330), (501, 15345), (509, 15360), (510, 15366), (520, 15396), (523, 15414), (530, 15426), (531, 15432), (586, 15492), (590, 15504), (606, 15540), (612, 15552), (620, 15573), (644, 15627), (647, 15636), (659, 15660), (671, 15690), (755, 15795), (764, 15807), (785, 15843), (803, 15882), (813, 15921), (844, 16020), (851, 16041), (862, 16074), (877, 16104), (886, 16134), (889, 16143), (891, 16149), (905, 16164), (906, 16167), (914, 16188), (916, 16191), (940, 16233), (947, 16263), (959, 16305), (960, 16311),

Gene: Lorenzo_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Lorenzo_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Loser_31 Start: 21942, Stop: 23714, Start Num: 145

Candidate Starts for Loser_31:

(Start: 128 @21918 has 10 MA's), (Start: 145 @21942 has 749 MA's), (256, 22125), (303, 22176), (304, 22179), (347, 22251), (349, 22254), (381, 22308), (385, 22314), (407, 22347), (434, 22425), (436, 22431), (440, 22443), (470, 22512), (501, 22587), (504, 22593), (507, 22596), (520, 22638), (616, 22866), (617, 22869), (629, 22908), (668, 22974), (675, 22989), (720, 23121), (757, 23169), (791, 23220), (795, 23232), (802, 23247), (804, 23253), (821, 23307), (836, 23361), (865, 23445), (890, 23511), (905, 23550), (907, 23556),

Gene: Louie6_29 Start: 20466, Stop: 22262, Start Num: 145

Candidate Starts for Louie6_29:

(Start: 145 @20466 has 749 MA's), (Start: 191 @20523 has 1 MA's), (199, 20538), (216, 20571), (233, 20592), (Start: 239 @20607 has 1 MA's), (297, 20694), (303, 20706), (304, 20709), (349, 20784), (361, 20799), (379, 20835), (470, 21042), (516, 21156), (528, 21195), (560, 21282), (616, 21396), (623, 21420), (629, 21438), (675, 21519), (701, 21594), (708, 21612), (717, 21645), (720, 21651), (739, 21690), (777, 21744), (779, 21747), (791, 21768), (810, 21825), (865, 21993), (905, 22098), (907, 22104), (959, 22239),

Gene: LouisV14_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for LouisV14_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Love_38 Start: 31747, Stop: 33510, Start Num: 107

Candidate Starts for Love_38:

(100, 31729), (Start: 107 @31747 has 72 MA's), (Start: 126 @31783 has 1 MA's), (216, 31921), (259, 32017), (265, 32026), (319, 32095), (349, 32146), (376, 32191), (385, 32206), (425, 32287), (440, 32332), (443, 32341), (487, 32431), (495, 32461), (503, 32476), (510, 32500), (520, 32530), (586, 32635), (629, 32752), (644, 32770), (649, 32785), (668, 32815), (674, 32827), (675, 32830), (686, 32857), (845, 33181), (846, 33184), (862, 33232), (875, 33259), (884, 33286), (905, 33340), (912, 33364), (913, 33367), (951, 33457), (966, 33505),

Gene: Lozinak_48 Start: 29612, Stop: 31303, Start Num: 154

Candidate Starts for Lozinak_48:

(Start: 154 @29612 has 21 MA's), (Start: 193 @29672 has 1 MA's), (208, 29705), (Start: 228 @29735 has 2 MA's), (229, 29738), (291, 29897), (295, 29906), (351, 30035), (378, 30083), (510, 30296), (511, 30302), (520, 30326), (600, 30455), (606, 30476), (620, 30509), (695, 30707), (810, 30860), (841, 30959), (845, 30971), (848, 30980), (880, 31064), (948, 31211), (958, 31247),

Gene: Lton_17 Start: 14723, Stop: 16432, Start Num: 269

Candidate Starts for Lton_17:

(208, 14588), (Start: 269 @14723 has 31 MA's), (359, 14912), (361, 14915), (405, 14990), (429, 15044), (452, 15113), (489, 15203), (490, 15206), (532, 15338), (547, 15392), (581, 15473), (605, 15533), (608, 15539), (645, 15620), (688, 15698), (694, 15716), (707, 15755), (731, 15827), (732, 15830), (745, 15851), (841, 16085), (846, 16100), (860, 16142), (893, 16235), (894, 16238), (918, 16286), (932, 16316),

Gene: Luchador_30 Start: 20622, Stop: 22421, Start Num: 145

Candidate Starts for Luchador_30:

(Start: 143 @20619 has 53 MA's), (Start: 145 @20622 has 749 MA's), (Start: 239 @20757 has 1 MA's), (265, 20826), (304, 20859), (347, 20931), (349, 20934), (363, 20952), (385, 20994), (434, 21105), (448, 21150), (451, 21159), (470, 21192), (501, 21267), (504, 21273), (507, 21276), (523, 21336), (562, 21438), (609, 21525), (617, 21549), (629, 21588), (675, 21669), (753, 21867), (802, 21954), (804, 21960), (832, 22053), (905, 22257), (907, 22263),

Gene: Lucivia_28 Start: 20804, Stop: 22603, Start Num: 145

Candidate Starts for Lucivia_28:

(103, 20738), (Start: 128 @20780 has 10 MA's), (Start: 145 @20804 has 749 MA's), (185, 20846), (240, 20942), (246, 20957), (303, 21038), (304, 21041), (349, 21116), (361, 21131), (381, 21170), (385, 21176), (415, 21227), (434, 21287), (436, 21293), (470, 21374), (507, 21458), (551, 21584), (558, 21602), (574, 21629), (629, 21770), (668, 21836), (674, 21848), (675, 21851), (749, 22040), (765, 22067), (773, 22076), (783, 22097), (785, 22100), (795, 22121), (802, 22136), (808, 22160), (832, 22235), (836, 22250), (865, 22334), (905, 22439), (907, 22445), (935, 22499), (966, 22598),

Gene: Lucky10_18 Start: 15185, Stop: 16897, Start Num: 145

Candidate Starts for Lucky10_18:

(Start: 145 @15185 has 749 MA's), (186, 15239), (243, 15341), (285, 15413), (329, 15494), (361, 15545), (376, 15578), (407, 15626), (423, 15674), (426, 15683), (440, 15725), (451, 15761), (479, 15803), (487, 15824), (489, 15830), (495, 15854), (516, 15905), (517, 15908), (525, 15938), (686, 16250), (708, 16316), (716, 16346), (787, 16439), (796, 16460), (802, 16472), (804, 16478), (805, 16484), (807, 16490), (835, 16544), (845, 16574), (870, 16643), (905, 16730), (907, 16736), (915, 16760), (934, 16787),

Gene: Lucky2013_34 Start: 25206, Stop: 26939, Start Num: 133

Candidate Starts for Lucky2013_34:

(Start: 133 @25206 has 29 MA's), (Start: 197 @25296 has 47 MA's), (198, 25299), (247, 25401), (272, 25467), (291, 25503), (302, 25533), (307, 25548), (345, 25632), (365, 25668), (380, 25695), (406, 25734), (418, 25767), (421, 25776), (439, 25833), (469, 25875), (507, 25950), (510, 25962), (530, 26022), (573, 26076), (587, 26106), (595, 26124), (601, 26133), (613, 26166), (617, 26178), (620, 26184), (632, 26223), (659, 26280), (772, 26430), (782, 26448), (802, 26490), (808, 26514), (809, 26517), (813, 26532), (824, 26562), (833, 26592), (851, 26649), (919, 26799), (965, 26925),

Gene: Lucyedi_29 Start: 20875, Stop: 22665, Start Num: 145

Candidate Starts for Lucyedi_29:

(103, 20809), (Start: 128 @20851 has 10 MA's), (Start: 145 @20875 has 749 MA's), (246, 21028), (303, 21109), (304, 21112), (347, 21184), (349, 21187), (363, 21205), (373, 21226), (381, 21241), (385, 21247), (434, 21358), (445, 21391), (470, 21445), (504, 21526), (507, 21529), (582, 21715), (609, 21778), (617, 21802), (629, 21841), (675, 21922), (717, 22048), (753, 22111), (802, 22198), (832, 22297), (847, 22345), (865, 22396), (905, 22501), (907, 22507), (935, 22561),

Gene: LugYA_31 Start: 20379, Stop: 22175, Start Num: 145

Candidate Starts for LugYA_31:

(Start: 145 @20379 has 749 MA's), (Start: 191 @20436 has 1 MA's), (199, 20451), (216, 20484), (233, 20505), (Start: 239 @20520 has 1 MA's), (297, 20607), (303, 20619), (304, 20622), (349, 20697), (361, 20712), (379, 20748), (470, 20955), (516, 21069), (528, 21108), (560, 21195), (616, 21309), (623, 21333), (629, 21351), (675, 21432), (701, 21507), (708, 21525), (717, 21558), (720, 21564), (739, 21603), (777, 21657), (779, 21660), (791, 21681), (810, 21738), (865, 21906), (905, 22011), (907, 22017), (959, 22152),

Gene: Luke_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for Luke_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: Lumos_19 Start: 17370, Stop: 19133, Start Num: 130

Candidate Starts for Lumos_19:

(Start: 130 @17370 has 38 MA's), (155, 17397), (194, 17460), (Start: 220 @17508 has 45 MA's), (225, 17514), (248, 17550), (276, 17625), (297, 17649), (301, 17655), (329, 17712), (397, 17826), (405, 17838), (443, 17949), (507, 18093), (510, 18105), (521, 18138), (616, 18327), (619, 18333), (638, 18390), (661, 18432), (669, 18441), (675, 18453), (701, 18528), (729, 18597), (732, 18609), (787, 18657), (824, 18723), (847, 18801), (862, 18846), (886, 18903), (912, 18966), (930, 19002), (936, 19017), (944, 19047), (946, 19053), (950, 19065), (952, 19074), (956, 19086),

Gene: Luna22_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for Luna22_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: LunaStella_18 Start: 15370, Stop: 17073, Start Num: 137

Candidate Starts for LunaStella_18:

(Start: 122 @15346 has 2 MA's), (Start: 125 @15352 has 8 MA's), (Start: 129 @15358 has 45 MA's), (Start: 137 @15370 has 84 MA's), (Start: 142 @15376 has 1 MA's), (Start: 228 @15496 has 2 MA's), (237, 15520), (245, 15544), (277, 15625), (282, 15631), (290, 15649), (301, 15679), (389, 15853), (404, 15874), (406, 15877), (419, 15913), (431, 15952), (467, 16006), (481, 16024), (482, 16027), (486, 16039), (488, 16045), (501, 16081), (510, 16102), (516, 16120), (523, 16150), (530, 16162), (531, 16168), (586, 16228), (606, 16276), (623, 16321), (644, 16363), (647, 16372), (659, 16396), (671, 16426), (691, 16471), (755, 16531), (761, 16540), (764, 16543), (785, 16579), (814, 16660), (856, 16789), (862, 16810), (877, 16840), (886, 16870), (889, 16879), (891, 16885), (905, 16900), (906, 16903), (965, 17056),

Gene: Lunahalos_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Lunahalos_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Lunsford_28 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for Lunsford_28:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (833, 21237), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: Lutum_20 Start: 16428, Stop: 18125, Start Num: 145

Candidate Starts for Lutum_20:

(Start: 121 @16389 has 1 MA's), (Start: 145 @16428 has 749 MA's), (Start: 156 @16440 has 4 MA's), (182, 16479), (205, 16518), (216, 16539), (244, 16587), (247, 16596), (261, 16638), (303, 16674), (329, 16731), (360, 16779), (375, 16806), (438, 16947), (463, 17004), (469, 17022), (478, 17031), (481, 17037), (508, 17115), (519, 17151), (521, 17157), (527, 17178), (528, 17181), (549, 17232), (583, 17259), (584, 17262), (594, 17289), (606, 17316), (632, 17388), (655, 17427), (687, 17481), (700, 17523), (730, 17598), (783, 17661), (796, 17688), (798, 17691), (804, 17706), (841, 17790), (844, 17799), (845, 17802), (847, 17808), (851, 17820), (853, 17823), (863, 17853), (866, 17859), (875, 17880), (877, 17883), (894, 17937), (907, 17967), (909, 17976), (937, 18027), (947, 18060),

(951, 18072), (956, 18090),

Gene: Lysidious_20 Start: 17174, Stop: 18820, Start Num: 220

Candidate Starts for Lysidious_20:

(196, 17138), (Start: 220 @17174 has 45 MA's), (261, 17276), (295, 17354), (296, 17357), (337, 17453), (355, 17492), (390, 17552), (404, 17573), (423, 17627), (428, 17642), (510, 17813), (520, 17843), (620, 18026), (626, 18050), (658, 18101), (695, 18194), (700, 18206), (738, 18251), (747, 18266), (809, 18398), (810, 18401), (841, 18500), (847, 18518), (865, 18569), (890, 18635), (927, 18698), (935, 18710),

Gene: MA5_27 Start: 19523, Stop: 21322, Start Num: 145

Candidate Starts for MA5_27:

(Start: 145 @19523 has 749 MA's), (Start: 191 @19583 has 1 MA's), (233, 19652), (240, 19670), (297, 19754), (303, 19766), (304, 19769), (349, 19844), (361, 19859), (363, 19862), (381, 19898), (440, 20033), (470, 20102), (516, 20216), (560, 20342), (616, 20456), (617, 20459), (623, 20480), (629, 20498), (675, 20579), (701, 20654), (708, 20672), (710, 20681), (717, 20705), (720, 20711), (729, 20726), (749, 20759), (777, 20804), (779, 20807), (791, 20828), (795, 20840), (865, 21053), (877, 21077), (905, 21158), (907, 21164), (959, 21299),

Gene: MAckerman_18 Start: 16746, Stop: 18515, Start Num: 130

Candidate Starts for MAckerman_18:

(Start: 98 @16683 has 1 MA's), (106, 16704), (Start: 114 @16719 has 2 MA's), (Start: 130 @16746 has 38 MA's), (194, 16839), (Start: 220 @16887 has 45 MA's), (225, 16893), (245, 16920), (246, 16923), (248, 16929), (274, 17001), (281, 17010), (301, 17034), (306, 17049), (323, 17079), (397, 17205), (403, 17214), (413, 17235), (418, 17250), (440, 17319), (451, 17355), (467, 17376), (494, 17445), (510, 17484), (583, 17622), (587, 17634), (616, 17709), (619, 17715), (623, 17733), (638, 17772), (657, 17805), (661, 17814), (669, 17823), (674, 17832), (675, 17835), (716, 17955), (732, 17991), (787, 18039), (794, 18051), (824, 18105), (854, 18201), (859, 18219), (861, 18225), (862, 18228), (879, 18261), (886, 18285), (912, 18348), (932, 18390), (944, 18429), (950, 18447), (956, 18468), (961, 18489),

Gene: MAnor_18 Start: 15422, Stop: 17119, Start Num: 135

Candidate Starts for MAnor_18:

(Start: 135 @15422 has 8 MA's), (Start: 145 @15425 has 749 MA's), (213, 15524), (Start: 220 @15536 has 45 MA's), (Start: 239 @15566 has 1 MA's), (247, 15587), (319, 15704), (379, 15806), (423, 15893), (433, 15923), (442, 15950), (463, 15995), (470, 16013), (481, 16028), (486, 16043), (506, 16100), (516, 16133), (520, 16145), (530, 16175), (565, 16232), (582, 16250), (592, 16280), (606, 16310), (628, 16373), (654, 16424), (675, 16460), (680, 16475), (689, 16493), (708, 16550), (796, 16679), (802, 16691), (844, 16790), (845, 16793), (851, 16811), (881, 16889), (890, 16916), (907, 16958), (961, 17105), (965, 17111),

Gene: MISSy_23 Start: 19258, Stop: 20937, Start Num: 137

Candidate Starts for MISSy_23:

(Start: 137 @19258 has 84 MA's), (Start: 197 @19342 has 47 MA's), (Start: 239 @19420 has 1 MA's), (272, 19507), (282, 19522), (301, 19570), (315, 19609), (363, 19696), (380, 19729), (404, 19765), (417, 19795), (418, 19801), (441, 19870), (483, 19900), (487, 19912), (488, 19915), (510, 19972), (587, 20104), (589, 20110), (617, 20176), (620, 20182), (626, 20206), (647, 20254), (659, 20278), (665, 20287), (695, 20362), (761, 20413), (772, 20428), (833, 20590), (841, 20617), (851, 20647), (890, 20752), (938, 20830), (947, 20866), (950, 20875), (959, 20908), (965, 20923),

Gene: MK4_27 Start: 19826, Stop: 21625, Start Num: 145

Candidate Starts for MK4_27:

(Start: 145 @19826 has 749 MA's), (Start: 191 @19886 has 1 MA's), (233, 19955), (297, 20057), (303, 20069), (304, 20072), (349, 20147), (361, 20162), (363, 20165), (381, 20201), (440, 20336), (470, 20405), (516, 20519), (560, 20645), (616, 20759), (617, 20762), (623, 20783), (629, 20801), (675, 20882), (701, 20957), (708, 20975), (710, 20984), (717, 21008), (720, 21014), (729, 21029), (739, 21053), (777, 21107), (779, 21110), (791, 21131), (795, 21143), (865, 21356), (877, 21380), (905, 21461), (907, 21467), (959, 21602),

Gene: MPhalcon_23 Start: 19252, Stop: 20931, Start Num: 137

Candidate Starts for MPhalcon_23:

(Start: 137 @19252 has 84 MA's), (Start: 197 @19336 has 47 MA's), (Start: 239 @19414 has 1 MA's), (272, 19501), (282, 19516), (301, 19564), (315, 19603), (363, 19690), (380, 19723), (404, 19759), (417, 19789), (418, 19795), (441, 19864), (483, 19894), (487, 19906), (488, 19909), (510, 19966), (587, 20098), (589, 20104), (617, 20170), (620, 20176), (626, 20200), (647, 20248), (659, 20272), (665, 20281), (695, 20356), (761, 20407), (772, 20422), (833, 20584), (841, 20611), (851, 20641), (890, 20746), (938, 20824), (947, 20860), (950, 20869), (959, 20902), (965, 20917),

Gene: MPlant7149_26 Start: 20687, Stop: 22489, Start Num: 148

Candidate Starts for MPlant7149_26:

(Start: 148 @20687 has 202 MA's), (Start: 166 @20708 has 28 MA's), (Start: 191 @20750 has 1 MA's), (215, 20795), (349, 21011), (376, 21056), (381, 21065), (407, 21104), (425, 21155), (426, 21158), (507, 21353), (528, 21422), (616, 21623), (617, 21626), (623, 21647), (674, 21743), (675, 21746), (677, 21752), (701, 21821), (708, 21839), (710, 21848), (720, 21878), (779, 21974), (795, 22007), (802, 22022), (845, 22163), (865, 22220), (907, 22331),

Gene: MScarn_20 Start: 15365, Stop: 17062, Start Num: 145

Candidate Starts for MScarn_20:

(Start: 121 @15335 has 1 MA's), (Start: 135 @15362 has 8 MA's), (Start: 145 @15365 has 749 MA's), (263, 15575), (376, 15743), (379, 15749), (415, 15809), (430, 15857), (433, 15866), (442, 15893), (451, 15923), (463, 15938), (481, 15971), (485, 15983), (495, 16019), (516, 16076), (520, 16088), (587, 16208), (596, 16229), (606, 16253), (675, 16403), (680, 16418), (689, 16436), (708, 16493), (796, 16622), (802, 16634), (807, 16652), (818, 16661), (844, 16733), (845, 16736), (847, 16742), (851, 16754), (890, 16859), (893, 16868), (907, 16901),

Gene: MaCh_28 Start: 20746, Stop: 22545, Start Num: 145

Candidate Starts for MaCh_28:

(103, 20680), (Start: 128 @20722 has 10 MA's), (Start: 145 @20746 has 749 MA's), (185, 20788), (240, 20884), (246, 20899), (303, 20980), (304, 20983), (347, 21055), (349, 21058), (361, 21073), (381, 21112), (385, 21118), (434, 21229), (436, 21235), (470, 21316), (507, 21400), (551, 21526), (558, 21544), (574, 21571), (629, 21712), (668, 21778), (674, 21790), (675, 21793), (716, 21916), (749, 21982), (765, 22009), (783, 22039), (785, 22042), (795, 22063), (802, 22078), (808, 22102), (832, 22177), (836, 22192), (865, 22276), (905, 22381), (907, 22387), (935, 22441), (966, 22540),

Gene: MaVan_20 Start: 16710, Stop: 18404, Start Num: 145

Candidate Starts for MaVan_20:

(56, 16386), (Start: 145 @16710 has 749 MA's), (321, 16995), (323, 16998), (349, 17043), (360, 17058), (407, 17136), (423, 17181), (463, 17283), (481, 17316), (485, 17328), (486, 17331), (506, 17388), (516, 17421), (521, 17436), (541, 17502), (584, 17544), (587, 17553), (606, 17598), (628, 17661), (674, 17742), (680, 17760), (686, 17769), (689, 17778), (708, 17835), (710, 17844), (802, 17976), (818, 18003), (828, 18024), (844, 18075), (845, 18078), (881, 18174), (890, 18201), (893, 18210), (894, 18213), (907, 18243), (912, 18261), (939, 18306), (965, 18396),

Gene: Mabel_28 Start: 20807, Stop: 22606, Start Num: 145

Candidate Starts for Mabel_28:

(103, 20741), (Start: 128 @20783 has 10 MA's), (Start: 145 @20807 has 749 MA's), (185, 20849), (240, 20945), (246, 20960), (303, 21041), (304, 21044), (349, 21119), (361, 21134), (381, 21173), (385, 21179), (434, 21290), (436, 21296), (470, 21377), (507, 21461), (551, 21587), (558, 21605), (574, 21632), (629, 21773), (668, 21839), (674, 21851), (675, 21854), (716, 21977), (749, 22043), (765, 22070), (773, 22079), (783, 22100), (785, 22103), (795, 22124), (802, 22139), (808, 22163), (832, 22238), (836, 22253), (865, 22337), (905, 22442), (907, 22448), (935, 22502), (966, 22601),

Gene: MacGully_50 Start: 31627, Stop: 33198, Start Num: 264

Candidate Starts for MacGully_50:

(Start: 264 @31627 has 7 MA's), (Start: 269 @31636 has 31 MA's), (302, 31690), (306, 31702), (322, 31717), (424, 31900), (435, 31933), (447, 31969), (455, 31987), (470, 32026), (484, 32050), (489, 32065), (522, 32149), (535, 32182), (539, 32197), (572, 32254), (578, 32263), (594, 32305), (600, 32311), (604, 32326), (615, 32356), (643, 32431), (671, 32476), (711, 32584), (756, 32689), (759, 32695), (782, 32728), (878, 32971), (913, 33043), (922, 33058), (951, 33142), (956, 33160), (962, 33184),

Gene: MacnCheese_23 Start: 17821, Stop: 19584, Start Num: 145

Candidate Starts for MacnCheese_23:

(Start: 138 @17812 has 25 MA's), (Start: 145 @17821 has 749 MA's), (219, 17923), (244, 17980), (261, 18031), (276, 18061), (Start: 288 @18085 has 1 MA's), (304, 18130), (409, 18325), (415, 18340), (436, 18409), (439, 18418), (443, 18430), (444, 18433), (488, 18505), (504, 18547), (508, 18553), (520, 18592), (531, 18628), (613, 18781), (652, 18868), (693, 18961), (742, 19036), (758, 19069), (790, 19099), (797, 19117), (812, 19165), (822, 19189), (829, 19216), (847, 19273), (862, 19318), (895, 19402), (909, 19420), (947, 19507), (950, 19516), (956, 19537), (960, 19555), (963, 19561), (971, 19576),

Gene: Maco6_19 Start: 15263, Stop: 17113, Start Num: 116

Candidate Starts for Maco6_19:

(100, 15227), (Start: 116 @15263 has 4 MA's), (Start: 170 @15341 has 1 MA's), (204, 15401), (Start: 239 @15467 has 1 MA's), (256, 15518), (261, 15533), (263, 15536), (417, 15842), (434, 15899), (437, 15908), (456, 15947), (458, 15950), (481, 16013), (488, 16034), (511, 16097), (514, 16106), (520, 16121), (527, 16145), (589, 16256), (606, 16295), (615, 16316), (626, 16352), (627, 16355), (652, 16397), (663, 16412), (666, 16418), (824, 16727), (826, 16736), (828, 16742), (832, 16754), (841, 16784), (847, 16802), (849, 16808), (895, 16928), (932, 16985), (958, 17072), (960, 17081),

Gene: MadKillah_57 Start: 33254, Stop: 34990, Start Num: 118

Candidate Starts for MadKillah_57:

(Start: 113 @33245 has 2 MA's), (Start: 118 @33254 has 26 MA's), (180, 33344), (244, 33461), (256, 33497), (265, 33518), (277, 33545), (282, 33551), (295, 33581), (303, 33605), (328, 33656), (404, 33794), (408, 33800), (424, 33851), (425, 33854), (431, 33872), (481, 33923), (488, 33944), (489, 33947), (509, 33995), (510, 34001), (523, 34049), (527, 34055), (530, 34061), (575, 34121), (586, 34145), (587, 34148), (606, 34193), (613, 34208), (616, 34217), (620, 34226), (636, 34271), (647, 34289), (665, 34322), (764, 34460), (777, 34481), (806, 34547), (814, 34577), (830, 34631), (844, 34673), (851, 34694), (858, 34715), (862, 34727), (872, 34748), (891, 34802), (938, 34880), (947, 34916), (953, 34937), (960, 34964),

Gene: MadMarie_29 Start: 20381, Stop: 22177, Start Num: 145

Candidate Starts for MadMarie_29:

(Start: 145 @20381 has 749 MA's), (Start: 191 @20438 has 1 MA's), (199, 20453), (233, 20507), (Start: 239 @20522 has 1 MA's), (297, 20609), (303, 20621), (304, 20624), (349, 20699), (361, 20714), (379, 20750), (470, 20957), (528, 21110), (560, 21197), (616, 21311), (623, 21335), (629, 21353), (675, 21434), (701, 21509), (708, 21527), (717, 21560), (720, 21566), (739, 21605), (777, 21659), (779, 21662), (791, 21683), (810, 21740), (865, 21908), (905, 22013), (907, 22019), (959,

22154),

Gene: MadamMonkfish_24 Start: 19164, Stop: 20843, Start Num: 137

Candidate Starts for MadamMonkfish_24:

(Start: 137 @19164 has 84 MA's), (Start: 197 @19248 has 47 MA's), (Start: 239 @19326 has 1 MA's), (272, 19413), (282, 19428), (301, 19476), (315, 19515), (363, 19602), (380, 19635), (404, 19671), (417, 19701), (418, 19707), (441, 19776), (483, 19806), (487, 19818), (488, 19821), (510, 19878), (587, 20010), (589, 20016), (617, 20082), (620, 20088), (626, 20112), (647, 20160), (659, 20184), (665, 20193), (695, 20268), (761, 20319), (772, 20334), (833, 20496), (841, 20523), (851, 20553), (890, 20658), (938, 20736), (947, 20772), (950, 20781), (959, 20814), (965, 20829),

Gene: Madeline_19 Start: 18062, Stop: 19660, Start Num: 268

Candidate Starts for Madeline_19:

(Start: 268 @18062 has 52 MA's), (414, 18311), (418, 18320), (424, 18338), (425, 18341), (443, 18395), (472, 18470), (496, 18539), (499, 18548), (505, 18560), (509, 18572), (521, 18611), (529, 18638), (532, 18647), (534, 18650), (581, 18680), (582, 18683), (605, 18740), (628, 18806), (670, 18884), (683, 18917), (694, 18941), (705, 18977), (745, 19079), (779, 19136), (800, 19181), (803, 19187), (813, 19226), (894, 19466), (932, 19544),

Gene: Madiba_17 Start: 14680, Stop: 16389, Start Num: 132

Candidate Starts for Madiba_17:

(Start: 132 @14680 has 199 MA's), (198, 14767), (Start: 228 @14812 has 2 MA's), (237, 14836), (277, 14941), (282, 14947), (290, 14965), (301, 14995), (349, 15100), (383, 15160), (398, 15181), (404, 15190), (415, 15214), (438, 15289), (442, 15301), (459, 15316), (467, 15322), (481, 15340), (486, 15355), (488, 15361), (494, 15382), (501, 15397), (503, 15400), (509, 15412), (510, 15418), (512, 15427), (523, 15466), (530, 15478), (531, 15484), (586, 15544), (590, 15556), (606, 15592), (612, 15604), (644, 15679), (647, 15688), (659, 15712), (671, 15742), (755, 15847), (764, 15859), (785, 15895), (802, 15931), (803, 15934), (813, 15973), (851, 16093), (862, 16126), (877, 16156), (886, 16186), (889, 16195), (891, 16201), (905, 16216), (906, 16219), (914, 16240), (916, 16243), (940, 16285), (947, 16315), (959, 16357),

Gene: MagicMan_19 Start: 16962, Stop: 18692, Start Num: 140

Candidate Starts for MagicMan_19:

(84, 16845), (Start: 121 @16929 has 1 MA's), (Start: 126 @16941 has 1 MA's), (Start: 140 @16962 has 5 MA's), (247, 17133), (296, 17199), (310, 17232), (321, 17253), (425, 17445), (448, 17517), (469, 17559), (487, 17595), (495, 17625), (506, 17649), (519, 17691), (527, 17718), (563, 17775), (574, 17781), (612, 17868), (785, 18228), (796, 18252), (804, 18270), (845, 18366), (909, 18540), (910, 18543), (915, 18555), (948, 18630), (956, 18657),

Gene: Magnar_27 Start: 20858, Stop: 22639, Start Num: 166

Candidate Starts for Magnar_27:

(Start: 148 @20837 has 202 MA's), (Start: 166 @20858 has 28 MA's), (Start: 191 @20900 has 1 MA's), (215, 20945), (349, 21161), (376, 21206), (381, 21215), (407, 21254), (425, 21305), (426, 21308), (507, 21503), (528, 21572), (616, 21773), (617, 21776), (623, 21797), (674, 21893), (675, 21896), (677, 21902), (701, 21971), (708, 21989), (710, 21998), (720, 22028), (779, 22124), (795, 22157), (802, 22172), (845, 22313), (865, 22370), (907, 22481), (966, 22634),

Gene: Magnito_26 Start: 20589, Stop: 22391, Start Num: 148

Candidate Starts for Magnito_26:

(Start: 148 @20589 has 202 MA's), (Start: 166 @20610 has 28 MA's), (Start: 191 @20652 has 1 MA's), (215, 20697), (349, 20913), (376, 20958), (381, 20967), (407, 21006), (425, 21057), (426, 21060), (507, 21255), (528, 21324), (616, 21525), (617, 21528), (623, 21549), (674, 21645), (675, 21648), (677, 21654), (708, 21741), (710, 21750), (720, 21780), (779, 21876), (795, 21909), (802,

21924), (845, 22065), (865, 22122), (907, 22233),

Gene: Magsby_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Magsby_18:

(Start: 134 @14986 has 40 MA's), (161, 15013), (Start: 228 @15118 has 2 MA's), (232, 15130), (245, 15166), (263, 15217), (277, 15247), (282, 15253), (294, 15280), (296, 15286), (349, 15406), (379, 15460), (383, 15466), (395, 15484), (404, 15496), (406, 15499), (415, 15520), (427, 15562), (438, 15595), (481, 15646), (486, 15661), (501, 15703), (509, 15718), (510, 15724), (523, 15772), (535, 15796), (554, 15826), (586, 15850), (612, 15910), (616, 15922), (636, 15976), (644, 15985), (670, 16045), (671, 16048), (755, 16153), (761, 16162), (785, 16201), (832, 16339), (885, 16489), (886, 16492), (889, 16501), (905, 16522), (916, 16549), (938, 16585), (965, 16678),

Gene: Mahavrat_16 Start: 14801, Stop: 16510, Start Num: 132

Candidate Starts for Mahavrat_16:

(Start: 132 @14801 has 199 MA's), (198, 14888), (Start: 228 @14933 has 2 MA's), (237, 14957), (277, 15062), (282, 15068), (290, 15086), (301, 15116), (349, 15221), (379, 15275), (383, 15281), (398, 15302), (404, 15311), (415, 15335), (427, 15377), (438, 15410), (442, 15422), (459, 15437), (467, 15443), (481, 15461), (486, 15476), (488, 15482), (494, 15503), (501, 15518), (509, 15533), (510, 15539), (523, 15587), (530, 15599), (531, 15605), (586, 15665), (606, 15713), (612, 15725), (620, 15746), (644, 15800), (647, 15809), (659, 15833), (671, 15863), (755, 15968), (764, 15980), (785, 16016), (813, 16094), (877, 16277), (886, 16307), (889, 16316), (891, 16322), (905, 16337), (906, 16340), (914, 16361), (940, 16406), (959, 16478), (960, 16484),

Gene: Mahdia_18 Start: 14818, Stop: 16428, Start Num: 184

Candidate Starts for Mahdia_18:

(Start: 184 @14818 has 11 MA's), (Start: 192 @14827 has 10 MA's), (208, 14860), (236, 14911), (237, 14914), (308, 15091), (333, 15142), (404, 15265), (457, 15382), (489, 15421), (507, 15463), (530, 15535), (542, 15568), (574, 15580), (586, 15607), (590, 15619), (606, 15655), (609, 15658), (616, 15679), (632, 15724), (668, 15793), (669, 15796), (691, 15838), (695, 15856), (700, 15868), (802, 15982), (806, 15997), (808, 16006), (820, 16039), (824, 16054), (899, 16258), (909, 16273), (938, 16324), (951, 16372),

Gene: Mainiac_29 Start: 20372, Stop: 22168, Start Num: 145

Candidate Starts for Mainiac_29:

(Start: 145 @20372 has 749 MA's), (Start: 191 @20429 has 1 MA's), (199, 20444), (233, 20498), (Start: 239 @20513 has 1 MA's), (297, 20600), (303, 20612), (304, 20615), (349, 20690), (361, 20705), (379, 20741), (470, 20948), (528, 21101), (560, 21188), (616, 21302), (623, 21326), (629, 21344), (675, 21425), (701, 21500), (708, 21518), (717, 21551), (720, 21557), (739, 21596), (777, 21650), (779, 21653), (791, 21674), (810, 21731), (865, 21899), (905, 22004), (907, 22010), (959, 22145),

Gene: Majeke_19 Start: 16391, Stop: 18127, Start Num: 129

Candidate Starts for Majeke_19:

(Start: 129 @16391 has 45 MA's), (185, 16472), (Start: 187 @16475 has 15 MA's), (218, 16526), (247, 16589), (250, 16595), (263, 16634), (279, 16667), (291, 16691), (341, 16811), (347, 16826), (363, 16850), (365, 16856), (411, 16940), (425, 16982), (438, 17021), (441, 17027), (470, 17066), (481, 17072), (489, 17096), (510, 17150), (517, 17171), (537, 17231), (595, 17309), (612, 17348), (622, 17381), (647, 17447), (659, 17471), (669, 17495), (686, 17525), (691, 17537), (782, 17639), (788, 17651), (791, 17654), (794, 17660), (796, 17669), (830, 17777), (858, 17861), (898, 17960), (935, 18017), (950, 18068), (965, 18116),

Gene: Makemake_27 Start: 22305, Stop: 24107, Start Num: 148

Candidate Starts for Makemake_27:

(Start: 148 @22305 has 202 MA's), (Start: 166 @22326 has 28 MA's), (Start: 191 @22368 has 1 MA's), (215, 22413), (349, 22629), (376, 22674), (381, 22683), (407, 22722), (425, 22773), (426, 22776), (507, 22971), (528, 23040), (616, 23241), (617, 23244), (623, 23265), (674, 23361), (675, 23364), (677, 23370), (701, 23439), (708, 23457), (710, 23466), (720, 23496), (779, 23592), (795, 23625), (802, 23640), (845, 23781), (865, 23838), (907, 23949),

Gene: Malachai_20 Start: 17128, Stop: 18774, Start Num: 220

Candidate Starts for Malachai_20:

(196, 17092), (Start: 220 @17128 has 45 MA's), (261, 17230), (295, 17308), (337, 17407), (355, 17446), (404, 17527), (423, 17581), (428, 17596), (510, 17767), (520, 17797), (620, 17980), (626, 18004), (658, 18055), (695, 18148), (700, 18160), (738, 18205), (747, 18220), (809, 18352), (810, 18355), (841, 18454), (847, 18472), (865, 18523), (890, 18589), (927, 18652), (935, 18664),

Gene: MalagasyRose_24 Start: 16589, Stop: 18388, Start Num: 118

Candidate Starts for MalagasyRose_24:

(Start: 118 @16589 has 26 MA's), (152, 16640), (Start: 157 @16646 has 12 MA's), (Start: 159 @16649 has 1 MA's), (224, 16739), (229, 16748), (237, 16769), (244, 16790), (293, 16904), (308, 16943), (312, 16958), (316, 16961), (351, 17030), (393, 17102), (410, 17132), (415, 17141), (423, 17171), (425, 17177), (427, 17183), (436, 17210), (444, 17234), (482, 17282), (491, 17309), (518, 17381), (552, 17474), (564, 17486), (585, 17519), (586, 17522), (612, 17582), (627, 17630), (628, 17633), (674, 17714), (701, 17792), (710, 17819), (735, 17828), (812, 17969), (820, 17987), (862, 18122), (865, 18128), (887, 18185), (909, 18221), (947, 18308), (960, 18356), (971, 18377),

Gene: Malec_29 Start: 20473, Stop: 22245, Start Num: 145

Candidate Starts for Malec_29:

(Start: 128 @20449 has 10 MA's), (Start: 145 @20473 has 749 MA's), (Start: 239 @20608 has 1 MA's), (246, 20626), (303, 20707), (304, 20710), (323, 20740), (347, 20782), (349, 20785), (381, 20839), (385, 20845), (419, 20908), (423, 20923), (434, 20956), (445, 20989), (470, 21043), (504, 21124), (507, 21127), (516, 21157), (617, 21400), (668, 21505), (675, 21520), (720, 21652), (795, 21763), (802, 21778), (804, 21784), (821, 21838), (832, 21877), (836, 21892), (847, 21925), (907, 22087), (935, 22141),

Gene: Malibo_20 Start: 16515, Stop: 18137, Start Num: 187

Candidate Starts for Malibo_20:

(177, 16500), (Start: 187 @16515 has 15 MA's), (210, 16560), (237, 16611), (289, 16734), (290, 16737), (342, 16857), (371, 16911), (377, 16923), (399, 16953), (404, 16962), (413, 16983), (423, 17016), (433, 17043), (488, 17112), (493, 17130), (507, 17157), (511, 17175), (512, 17178), (517, 17190), (530, 17229), (535, 17241), (584, 17292), (586, 17298), (619, 17376), (691, 17529), (700, 17559), (701, 17562), (755, 17589), (779, 17625), (799, 17667), (820, 17730), (824, 17745), (834, 17775), (844, 17811), (847, 17820), (883, 17919), (909, 17967), (950, 18063), (958, 18093), (965, 18111),

Gene: Malinsilva_31 Start: 20371, Stop: 22167, Start Num: 145

Candidate Starts for Malinsilva_31:

(Start: 145 @20371 has 749 MA's), (Start: 191 @20428 has 1 MA's), (199, 20443), (216, 20476), (233, 20497), (Start: 239 @20512 has 1 MA's), (297, 20599), (303, 20611), (304, 20614), (349, 20689), (361, 20704), (379, 20740), (470, 20947), (516, 21061), (528, 21100), (560, 21187), (616, 21301), (623, 21325), (629, 21343), (675, 21424), (701, 21499), (708, 21517), (717, 21550), (720, 21556), (739, 21595), (777, 21649), (779, 21652), (791, 21673), (810, 21730), (865, 21898), (905, 22003), (907, 22009), (959, 22144),

Gene: Malisha_21 Start: 18200, Stop: 19897, Start Num: 145

Candidate Starts for Malisha_21:

(Start: 121 @18161 has 1 MA's), (Start: 145 @18200 has 749 MA's), (Start: 156 @18212 has 4 MA's), (158, 18215), (205, 18290), (216, 18311), (236, 18338), (241, 18353), (244, 18359), (245, 18362), (250, 18374), (261, 18410), (296, 18434), (303, 18446), (329, 18503), (344, 18524), (360, 18551), (375, 18578), (397, 18614), (438, 18719), (463, 18776), (469, 18794), (478, 18803), (481, 18809), (495, 18857), (508, 18887), (519, 18923), (521, 18929), (527, 18950), (528, 18953), (583, 19031), (584, 19034), (594, 19061), (606, 19088), (632, 19160), (655, 19199), (687, 19253), (710, 19325), (730, 19370), (783, 19433), (796, 19460), (798, 19463), (804, 19478), (841, 19562), (844, 19571), (845, 19574), (847, 19580), (853, 19595), (863, 19625), (866, 19631), (875, 19652), (877, 19655), (894, 19709), (907, 19739), (909, 19748), (937, 19799), (947, 19832), (951, 19844), (956, 19862),

Gene: Malithi_19 Start: 16310, Stop: 18046, Start Num: 129

Candidate Starts for Malithi_19:

(Start: 114 @16286 has 2 MA's), (Start: 129 @16310 has 45 MA's), (174, 16370), (185, 16391), (Start: 187 @16394 has 15 MA's), (250, 16514), (263, 16553), (279, 16586), (291, 16610), (341, 16730), (363, 16769), (365, 16775), (411, 16859), (415, 16865), (418, 16877), (425, 16901), (434, 16928), (441, 16946), (470, 16985), (481, 16991), (489, 17015), (510, 17069), (513, 17081), (517, 17090), (537, 17150), (595, 17228), (612, 17267), (622, 17300), (647, 17366), (654, 17381), (659, 17390), (669, 17414), (686, 17444), (691, 17456), (782, 17558), (788, 17570), (791, 17573), (794, 17579), (796, 17588), (830, 17696), (858, 17780), (898, 17879), (950, 17987), (965, 18035),

Gene: Malthus_25 Start: 18546, Stop: 20333, Start Num: 145

Candidate Starts for Malthus_25:

(Start: 121 @18507 has 1 MA's), (Start: 138 @18537 has 25 MA's), (Start: 143 @18543 has 53 MA's), (Start: 145 @18546 has 749 MA's), (Start: 168 @18561 has 2 MA's), (Start: 193 @18603 has 1 MA's), (222, 18651), (Start: 239 @18690 has 1 MA's), (244, 18705), (251, 18723), (261, 18756), (276, 18786), (298, 18831), (304, 18849), (338, 18921), (341, 18927), (357, 18957), (359, 18960), (395, 19023), (404, 19035), (456, 19170), (464, 19188), (486, 19218), (488, 19224), (493, 19242), (508, 19272), (520, 19311), (586, 19437), (613, 19500), (693, 19701), (710, 19755), (754, 19800), (781, 19845), (797, 19869), (808, 19902), (820, 19935), (841, 20007), (845, 20019), (862, 20070), (865, 20076), (914, 20178), (960, 20304), (971, 20325),

Gene: Maminaiaina_29 Start: 21290, Stop: 23080, Start Num: 145

Candidate Starts for Maminaiaina_29:

(Start: 128 @21266 has 10 MA's), (Start: 145 @21290 has 749 MA's), (303, 21524), (304, 21527), (347, 21599), (349, 21602), (361, 21617), (381, 21656), (385, 21662), (423, 21740), (434, 21773), (470, 21860), (504, 21941), (507, 21944), (551, 22070), (609, 22193), (613, 22205), (617, 22217), (620, 22223), (629, 22256), (675, 22337), (717, 22463), (749, 22517), (752, 22523), (779, 22565), (783, 22574), (795, 22598), (802, 22613), (808, 22637), (821, 22673), (832, 22712), (836, 22727), (865, 22811), (905, 22916), (907, 22922), (928, 22967), (950, 23024),

Gene: Manasvini_19 Start: 17773, Stop: 19371, Start Num: 268

Candidate Starts for Manasvini_19:

(Start: 268 @17773 has 52 MA's), (414, 18022), (418, 18031), (424, 18049), (425, 18052), (443, 18106), (472, 18181), (496, 18250), (499, 18259), (505, 18271), (521, 18322), (529, 18349), (532, 18358), (534, 18361), (581, 18391), (582, 18394), (605, 18451), (628, 18517), (670, 18595), (683, 18628), (694, 18652), (705, 18688), (745, 18790), (779, 18847), (800, 18892), (803, 18898), (813, 18937), (894, 19177), (932, 19255),

Gene: Manatee_28 Start: 20835, Stop: 22637, Start Num: 148

Candidate Starts for Manatee_28:

(Start: 148 @20835 has 202 MA's), (Start: 166 @20856 has 28 MA's), (Start: 191 @20898 has 1 MA's), (215, 20943), (349, 21159), (376, 21204), (381, 21213), (407, 21252), (425, 21303), (426, 21306), (507, 21501), (528, 21570), (616, 21771), (617, 21774), (623, 21795), (674, 21891), (675,

21894), (677, 21900), (701, 21969), (708, 21987), (710, 21996), (720, 22026), (779, 22122), (795, 22155), (802, 22170), (845, 22311), (865, 22368), (907, 22479), (966, 22632),

Gene: Manda_25 Start: 20231, Stop: 21910, Start Num: 137

Candidate Starts for Manda_25:

(Start: 137 @20231 has 84 MA's), (Start: 197 @20315 has 47 MA's), (Start: 239 @20393 has 1 MA's), (272, 20480), (282, 20495), (301, 20543), (315, 20582), (363, 20669), (380, 20702), (404, 20738), (417, 20768), (418, 20774), (441, 20843), (483, 20873), (487, 20885), (488, 20888), (510, 20945), (587, 21077), (589, 21083), (617, 21149), (620, 21155), (626, 21179), (647, 21227), (659, 21251), (665, 21260), (695, 21335), (761, 21386), (772, 21401), (833, 21563), (841, 21590), (851, 21620), (890, 21725), (938, 21803), (947, 21839), (950, 21848), (959, 21881), (965, 21896),

Gene: Mandlovu_16 Start: 14904, Stop: 16613, Start Num: 132

Candidate Starts for Mandlovu_16:

(Start: 132 @14904 has 199 MA's), (198, 14991), (Start: 228 @15036 has 2 MA's), (237, 15060), (277, 15165), (282, 15171), (290, 15189), (301, 15219), (349, 15324), (383, 15384), (398, 15405), (404, 15414), (415, 15438), (481, 15564), (486, 15579), (488, 15585), (501, 15621), (503, 15624), (509, 15636), (510, 15642), (523, 15690), (530, 15702), (531, 15708), (586, 15768), (590, 15780), (606, 15816), (612, 15828), (644, 15903), (647, 15912), (656, 15930), (659, 15936), (671, 15966), (755, 16071), (761, 16080), (764, 16083), (785, 16119), (813, 16197), (844, 16296), (851, 16317), (862, 16350), (877, 16380), (886, 16410), (889, 16419), (891, 16425), (905, 16440), (906, 16443), (916, 16467), (935, 16497), (940, 16509), (947, 16539), (959, 16581),

Gene: Mangethe_19 Start: 16391, Stop: 18127, Start Num: 129

Candidate Starts for Mangethe_19:

(Start: 129 @16391 has 45 MA's), (185, 16472), (Start: 187 @16475 has 15 MA's), (218, 16526), (247, 16589), (250, 16595), (263, 16634), (279, 16667), (291, 16691), (341, 16811), (347, 16826), (363, 16850), (365, 16856), (411, 16940), (425, 16982), (438, 17021), (441, 17027), (470, 17066), (481, 17072), (489, 17096), (510, 17150), (517, 17171), (537, 17231), (595, 17309), (612, 17348), (622, 17381), (647, 17447), (659, 17471), (669, 17495), (686, 17525), (691, 17537), (782, 17639), (788, 17651), (791, 17654), (794, 17660), (796, 17669), (830, 17777), (858, 17861), (898, 17960), (935, 18017), (950, 18068), (965, 18116),

Gene: Mantra_16 Start: 14903, Stop: 16612, Start Num: 132

Candidate Starts for Mantra_16:

(Start: 132 @14903 has 199 MA's), (198, 14990), (Start: 228 @15035 has 2 MA's), (237, 15059), (256, 15116), (277, 15164), (282, 15170), (290, 15188), (301, 15218), (349, 15323), (379, 15377), (383, 15383), (389, 15392), (404, 15413), (415, 15437), (425, 15473), (427, 15479), (438, 15512), (439, 15515), (442, 15524), (459, 15539), (467, 15545), (481, 15563), (486, 15578), (488, 15584), (493, 15602), (494, 15605), (501, 15620), (509, 15635), (510, 15641), (523, 15689), (530, 15701), (531, 15707), (586, 15767), (590, 15779), (606, 15815), (612, 15827), (644, 15902), (647, 15911), (656, 15929), (659, 15935), (671, 15965), (755, 16070), (764, 16082), (785, 16118), (813, 16196), (851, 16316), (862, 16349), (877, 16379), (880, 16391), (886, 16409), (888, 16415), (889, 16418), (891, 16424), (905, 16439), (906, 16442), (914, 16463), (916, 16466), (940, 16508), (947, 16538), (959, 16580), (960, 16586),

Gene: Manu_30 Start: 20460, Stop: 22256, Start Num: 145

Candidate Starts for Manu_30:

(Start: 145 @20460 has 749 MA's), (Start: 191 @20517 has 1 MA's), (199, 20532), (233, 20586), (Start: 239 @20601 has 1 MA's), (297, 20688), (303, 20700), (304, 20703), (349, 20778), (361, 20793), (470, 21036), (528, 21189), (560, 21276), (609, 21369), (616, 21390), (623, 21414), (627, 21426), (629, 21432), (675, 21513), (701, 21588), (708, 21606), (710, 21615), (717, 21639), (720, 21645), (729, 21660), (739, 21684), (777, 21738), (779, 21741), (791, 21762), (905, 22092), (907,

22098), (959, 22233),

Gene: MarQuardt_29 Start: 20380, Stop: 22176, Start Num: 145

Candidate Starts for MarQuardt_29:

(Start: 145 @20380 has 749 MA's), (Start: 191 @20437 has 1 MA's), (199, 20452), (216, 20485), (233, 20506), (Start: 239 @20521 has 1 MA's), (297, 20608), (303, 20620), (304, 20623), (349, 20698), (361, 20713), (379, 20749), (470, 20956), (516, 21070), (528, 21109), (560, 21196), (616, 21310), (623, 21334), (629, 21352), (675, 21433), (701, 21508), (708, 21526), (717, 21559), (720, 21565), (739, 21604), (777, 21658), (779, 21661), (791, 21682), (810, 21739), (865, 21907), (905, 22012), (907, 22018), (959, 22153),

Gene: Maravista_16 Start: 14752, Stop: 16461, Start Num: 132

Candidate Starts for Maravista_16:

(Start: 132 @14752 has 199 MA's), (198, 14839), (Start: 228 @14884 has 2 MA's), (237, 14908), (277, 15013), (282, 15019), (290, 15037), (301, 15067), (349, 15172), (383, 15232), (398, 15253), (404, 15262), (411, 15280), (415, 15286), (481, 15412), (486, 15427), (488, 15433), (501, 15469), (503, 15472), (509, 15484), (510, 15490), (523, 15538), (530, 15550), (531, 15556), (586, 15616), (590, 15628), (606, 15664), (612, 15676), (644, 15751), (647, 15760), (656, 15778), (659, 15784), (671, 15814), (755, 15919), (761, 15928), (764, 15931), (785, 15967), (813, 16045), (844, 16144), (851, 16165), (862, 16198), (877, 16228), (886, 16258), (889, 16267), (891, 16273), (905, 16288), (906, 16291), (916, 16315), (935, 16345), (940, 16357), (947, 16387), (959, 16429),

Gene: Marcell_27 Start: 21325, Stop: 23127, Start Num: 148

Candidate Starts for Marcell_27:

(Start: 148 @21325 has 202 MA's), (Start: 166 @21346 has 28 MA's), (Start: 191 @21388 has 1 MA's), (215, 21433), (349, 21649), (376, 21694), (381, 21703), (407, 21742), (425, 21793), (426, 21796), (507, 21991), (528, 22060), (616, 22261), (617, 22264), (623, 22285), (674, 22381), (675, 22384), (677, 22390), (701, 22459), (708, 22477), (710, 22486), (720, 22516), (779, 22612), (795, 22645), (802, 22660), (845, 22801), (865, 22858), (907, 22969), (966, 23122),

Gene: Marchy_25 Start: 20630, Stop: 22432, Start Num: 148

Candidate Starts for Marchy_25:

(Start: 148 @20630 has 202 MA's), (Start: 166 @20651 has 28 MA's), (Start: 191 @20693 has 1 MA's), (215, 20738), (349, 20954), (376, 20999), (381, 21008), (407, 21047), (425, 21098), (426, 21101), (507, 21296), (528, 21365), (616, 21566), (617, 21569), (623, 21590), (674, 21686), (675, 21689), (677, 21695), (701, 21764), (708, 21782), (710, 21791), (720, 21821), (779, 21917), (795, 21950), (802, 21965), (845, 22106), (865, 22163), (907, 22274),

Gene: Marcoliusprime_19 Start: 15013, Stop: 16782, Start Num: 143

Candidate Starts for Marcoliusprime_19:

(Start: 121 @14977 has 1 MA's), (Start: 138 @15007 has 25 MA's), (Start: 143 @15013 has 53 MA's), (Start: 166 @15028 has 28 MA's), (Start: 193 @15070 has 1 MA's), (222, 15118), (Start: 239 @15157 has 1 MA's), (244, 15172), (261, 15223), (276, 15253), (291, 15286), (298, 15298), (304, 15316), (338, 15388), (341, 15394), (395, 15490), (404, 15502), (439, 15604), (444, 15619), (464, 15655), (488, 15691), (508, 15739), (520, 15778), (527, 15802), (531, 15814), (586, 15904), (589, 15913), (693, 16159), (710, 16213), (758, 16267), (820, 16381), (823, 16390), (845, 16465), (862, 16516), (865, 16522), (897, 16603), (909, 16618), (939, 16672), (960, 16753), (971, 16774),

Gene: Mareelih_99 Start: 59450, Stop: 61078, Start Num: 181

Candidate Starts for Mareelih_99:

(Start: 181 @59450 has 4 MA's), (194, 59465), (Start: 197 @59468 has 47 MA's), (210, 59495), (Start: 239 @59552 has 1 MA's), (252, 59588), (263, 59621), (279, 59651), (282, 59654), (308, 59723), (309, 59729), (402, 59894), (419, 59936), (422, 59945), (424, 59954), (428, 59966), (500, 60086), (586,

60239), (612, 60299), (676, 60446), (686, 60467), (691, 60482), (768, 60560), (772, 60566), (820, 60683), (824, 60698), (841, 60755), (851, 60785), (862, 60818), (917, 60938), (965, 61067),

Gene: Margaret_21 Start: 15469, Stop: 17157, Start Num: 145

Candidate Starts for Margaret_21:

(Start: 121 @15439 has 1 MA's), (Start: 135 @15466 has 8 MA's), (Start: 145 @15469 has 749 MA's), (205, 15553), (263, 15676), (303, 15709), (323, 15754), (415, 15910), (423, 15937), (433, 15967), (463, 16039), (481, 16069), (485, 16081), (493, 16108), (516, 16174), (541, 16255), (584, 16297), (587, 16306), (594, 16324), (614, 16369), (648, 16453), (671, 16489), (674, 16492), (675, 16495), (677, 16501), (680, 16510), (689, 16528), (708, 16585), (796, 16714), (802, 16726), (806, 16741), (818, 16753), (844, 16825), (845, 16828), (846, 16831), (851, 16846), (881, 16927), (907, 16996), (909, 17005), (959, 17134), (965, 17149),

Gene: Marge_28 Start: 21725, Stop: 23527, Start Num: 148

Candidate Starts for Marge_28:

(Start: 148 @21725 has 202 MA's), (Start: 166 @21746 has 28 MA's), (Start: 191 @21788 has 1 MA's), (215, 21833), (349, 22049), (376, 22094), (381, 22103), (407, 22142), (425, 22193), (426, 22196), (463, 22289), (507, 22391), (528, 22460), (616, 22661), (617, 22664), (623, 22685), (674, 22781), (675, 22784), (677, 22790), (701, 22859), (708, 22877), (710, 22886), (720, 22916), (779, 23012), (795, 23045), (802, 23060), (845, 23201), (865, 23258), (907, 23369), (966, 23522),

Gene: Margo_28 Start: 20481, Stop: 22280, Start Num: 145

Candidate Starts for Margo_28:

(Start: 145 @20481 has 749 MA's), (Start: 191 @20541 has 1 MA's), (233, 20610), (297, 20712), (303, 20724), (304, 20727), (349, 20802), (361, 20817), (381, 20856), (440, 20991), (470, 21060), (516, 21174), (560, 21300), (616, 21414), (623, 21438), (627, 21450), (629, 21456), (675, 21537), (701, 21612), (708, 21630), (710, 21639), (717, 21663), (720, 21669), (729, 21684), (749, 21717), (777, 21762), (779, 21765), (791, 21786), (833, 21915), (865, 22011), (905, 22116), (907, 22122), (959, 22257),

Gene: Maridalia_18 Start: 17773, Stop: 19371, Start Num: 268

Candidate Starts for Maridalia_18:

(Start: 268 @17773 has 52 MA's), (414, 18022), (418, 18031), (424, 18049), (425, 18052), (443, 18106), (472, 18181), (496, 18250), (499, 18259), (505, 18271), (521, 18322), (529, 18349), (532, 18358), (534, 18361), (581, 18391), (582, 18394), (605, 18451), (628, 18517), (670, 18595), (683, 18628), (694, 18652), (705, 18688), (745, 18790), (779, 18847), (800, 18892), (803, 18898), (813, 18937), (894, 19177), (932, 19255),

Gene: Marie_29 Start: 20378, Stop: 22174, Start Num: 145

Candidate Starts for Marie_29:

(Start: 145 @20378 has 749 MA's), (Start: 191 @20435 has 1 MA's), (199, 20450), (216, 20483), (233, 20504), (Start: 239 @20519 has 1 MA's), (297, 20606), (303, 20618), (304, 20621), (349, 20696), (361, 20711), (379, 20747), (470, 20954), (516, 21068), (528, 21107), (560, 21194), (616, 21308), (623, 21332), (629, 21350), (675, 21431), (701, 21506), (708, 21524), (717, 21557), (720, 21563), (739, 21602), (777, 21656), (779, 21659), (791, 21680), (810, 21737), (865, 21905), (905, 22010), (907, 22016), (959, 22151),

Gene: Marietta_43 Start: 27926, Stop: 29506, Start Num: 288

Candidate Starts for Marietta_43:

(Start: 260 @27890 has 35 MA's), (Start: 268 @27902 has 52 MA's), (Start: 288 @27926 has 1 MA's), (322, 28004), (424, 28187), (443, 28244), (447, 28256), (452, 28271), (484, 28337), (489, 28352), (497, 28376), (527, 28463), (530, 28469), (538, 28493), (572, 28553), (586, 28583), (594, 28604), (633, 28709), (643, 28730), (688, 28817), (704, 28865), (756, 28991), (780, 29027), (844, 29192),

(850, 29210), (862, 29246), (943, 29420), (947, 29432), (964, 29489),

Gene: Marius_30 Start: 20460, Stop: 22256, Start Num: 145

Candidate Starts for Marius_30:

(Start: 145 @20460 has 749 MA's), (Start: 191 @20517 has 1 MA's), (199, 20532), (233, 20586), (Start: 239 @20601 has 1 MA's), (297, 20688), (303, 20700), (304, 20703), (349, 20778), (361, 20793), (470, 21036), (528, 21189), (560, 21276), (616, 21390), (623, 21414), (627, 21426), (629, 21432), (675, 21513), (701, 21588), (708, 21606), (710, 21615), (717, 21639), (720, 21645), (739, 21684), (777, 21738), (779, 21741), (791, 21762), (905, 22092), (907, 22098), (959, 22233),

Gene: MarkPhew_23 Start: 16287, Stop: 18053, Start Num: 145

Candidate Starts for MarkPhew_23:

(Start: 121 @16248 has 1 MA's), (Start: 138 @16278 has 25 MA's), (Start: 145 @16287 has 749 MA's), (Start: 170 @16317 has 1 MA's), (244, 16458), (261, 16509), (291, 16572), (338, 16674), (341, 16680), (357, 16710), (409, 16797), (422, 16836), (437, 16884), (443, 16902), (464, 16941), (465, 16944), (482, 16959), (486, 16971), (488, 16977), (493, 16995), (504, 17019), (508, 17025), (516, 17052), (586, 17190), (593, 17208), (669, 17370), (675, 17382), (693, 17430), (742, 17505), (758, 17538), (763, 17544), (797, 17589), (808, 17622), (810, 17628), (820, 17655), (845, 17739), (862, 17790), (909, 17889), (950, 17985), (971, 18045),

Gene: Marker_17 Start: 14655, Stop: 16364, Start Num: 132

Candidate Starts for Marker_17:

(Start: 132 @14655 has 199 MA's), (198, 14742), (Start: 228 @14787 has 2 MA's), (237, 14811), (277, 14916), (282, 14922), (290, 14940), (301, 14970), (349, 15075), (383, 15135), (398, 15156), (404, 15165), (415, 15189), (438, 15264), (481, 15315), (486, 15330), (488, 15336), (501, 15372), (503, 15375), (509, 15387), (510, 15393), (523, 15441), (530, 15453), (531, 15459), (586, 15519), (590, 15531), (606, 15567), (612, 15579), (644, 15654), (647, 15663), (656, 15681), (659, 15687), (671, 15717), (755, 15822), (764, 15834), (785, 15870), (813, 15948), (844, 16047), (851, 16068), (862, 16101), (877, 16131), (886, 16161), (889, 16170), (891, 16176), (905, 16191), (906, 16194), (916, 16218), (940, 16260), (959, 16332),

Gene: Marmie_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Marmie_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Maroc7_26 Start: 20829, Stop: 22631, Start Num: 148

Candidate Starts for Maroc7_26:

(Start: 148 @20829 has 202 MA's), (Start: 166 @20850 has 28 MA's), (Start: 191 @20892 has 1 MA's), (215, 20937), (349, 21153), (376, 21198), (381, 21207), (407, 21246), (425, 21297), (426, 21300), (507, 21495), (528, 21564), (616, 21765), (617, 21768), (623, 21789), (674, 21885), (675, 21888), (677, 21894), (701, 21963), (708, 21981), (710, 21990), (720, 22020), (779, 22116), (795, 22149), (802, 22164), (845, 22305), (865, 22362), (907, 22473),

Gene: Marsha_27 Start: 21951, Stop: 23753, Start Num: 148

Candidate Starts for Marsha_27:

(Start: 148 @21951 has 202 MA's), (Start: 166 @21972 has 28 MA's), (Start: 191 @22014 has 1 MA's), (215, 22059), (349, 22275), (376, 22320), (381, 22329), (407, 22368), (425, 22419), (426,

22422), (463, 22515), (507, 22617), (528, 22686), (616, 22887), (617, 22890), (623, 22911), (674, 23007), (675, 23010), (677, 23016), (701, 23085), (708, 23103), (710, 23112), (720, 23142), (779, 23238), (795, 23271), (802, 23286), (845, 23427), (865, 23484), (907, 23595),

Gene: Marshawn_24 Start: 16905, Stop: 18671, Start Num: 145

Candidate Starts for Marshawn_24:

(Start: 121 @16866 has 1 MA's), (Start: 138 @16896 has 25 MA's), (Start: 145 @16905 has 749 MA's), (Start: 150 @16911 has 25 MA's), (Start: 170 @16935 has 1 MA's), (Start: 239 @17061 has 1 MA's), (244, 17076), (251, 17094), (276, 17157), (291, 17190), (298, 17202), (304, 17220), (338, 17292), (380, 17370), (409, 17415), (413, 17427), (422, 17454), (443, 17520), (464, 17559), (465, 17562), (482, 17577), (486, 17589), (488, 17595), (504, 17637), (508, 17643), (586, 17808), (593, 17826), (619, 17886), (628, 17916), (647, 17943), (660, 17967), (669, 17988), (675, 18000), (693, 18048), (742, 18123), (763, 18162), (808, 18240), (810, 18246), (814, 18261), (820, 18273), (823, 18282), (845, 18357), (862, 18408), (909, 18507), (956, 18624), (960, 18642), (971, 18663),

Gene: Marshmallow_24 Start: 19829, Stop: 21424, Start Num: 197

Candidate Starts for Marshmallow_24:

(Start: 137 @19745 has 84 MA's), (Start: 197 @19829 has 47 MA's), (Start: 239 @19907 has 1 MA's), (272, 19994), (282, 20009), (301, 20057), (315, 20096), (363, 20183), (380, 20216), (404, 20252), (417, 20282), (418, 20288), (441, 20357), (483, 20387), (487, 20399), (488, 20402), (510, 20459), (587, 20591), (589, 20597), (617, 20663), (620, 20669), (626, 20693), (647, 20741), (659, 20765), (665, 20774), (695, 20849), (761, 20900), (772, 20915), (833, 21077), (841, 21104), (851, 21134), (890, 21239), (938, 21317), (947, 21353), (950, 21362), (959, 21395), (965, 21410),

Gene: Marteena_20 Start: 17566, Stop: 19272, Start Num: 145

Candidate Starts for Marteena_20:

(Start: 129 @17542 has 45 MA's), (Start: 145 @17566 has 749 MA's), (216, 17671), (242, 17713), (285, 17788), (349, 17902), (423, 18049), (425, 18055), (440, 18100), (500, 18238), (525, 18313), (674, 18595), (681, 18616), (708, 18691), (759, 18778), (787, 18814), (802, 18847), (804, 18853), (835, 18919), (845, 18949), (905, 19105), (907, 19111), (912, 19129), (957, 19240),

Gene: Martik_16 Start: 14813, Stop: 16522, Start Num: 132

Candidate Starts for Martik_16:

(Start: 132 @14813 has 199 MA's), (Start: 228 @14945 has 2 MA's), (237, 14969), (277, 15074), (282, 15080), (290, 15098), (301, 15128), (349, 15233), (379, 15287), (383, 15293), (389, 15302), (404, 15323), (415, 15347), (425, 15383), (427, 15389), (438, 15422), (439, 15425), (442, 15434), (459, 15449), (467, 15455), (481, 15473), (486, 15488), (488, 15494), (493, 15512), (494, 15515), (501, 15530), (509, 15545), (510, 15551), (523, 15599), (530, 15611), (531, 15617), (586, 15677), (590, 15689), (606, 15725), (612, 15737), (644, 15812), (647, 15821), (656, 15839), (659, 15845), (671, 15875), (755, 15980), (764, 15992), (785, 16028), (813, 16106), (851, 16226), (862, 16259), (877, 16289), (880, 16301), (886, 16319), (888, 16325), (889, 16328), (891, 16334), (905, 16349), (906, 16352), (914, 16373), (916, 16376), (940, 16418), (947, 16448), (959, 16490), (960, 16496),

Gene: Marvin_48 Start: 27400, Stop: 29112, Start Num: 166

Candidate Starts for Marvin_48:

(120, 27337), (Start: 166 @27400 has 28 MA's), (211, 27481), (246, 27538), (276, 27619), (281, 27625), (317, 27682), (323, 27694), (329, 27706), (352, 27745), (363, 27760), (403, 27829), (423, 27883), (426, 27892), (491, 28048), (510, 28096), (512, 28105), (516, 28114), (528, 28153), (535, 28168), (583, 28231), (587, 28243), (629, 28360), (631, 28363), (657, 28414), (673, 28441), (675, 28444), (682, 28465), (698, 28507), (777, 28627), (787, 28645), (847, 28789), (862, 28834), (871, 28852), (904, 28936), (912, 28963), (925, 28984), (944, 29029), (946, 29035), (950, 29047), (953, 29059), (959, 29080), (965, 29095), (969, 29101),

Gene: MaryBeth_27 Start: 21259, Stop: 23061, Start Num: 148

Candidate Starts for MaryBeth_27:

(Start: 148 @21259 has 202 MA's), (Start: 166 @21280 has 28 MA's), (Start: 191 @21322 has 1 MA's), (215, 21367), (349, 21583), (376, 21628), (381, 21637), (425, 21727), (426, 21730), (463, 21823), (507, 21925), (528, 21994), (612, 22183), (616, 22195), (617, 22198), (623, 22219), (674, 22315), (675, 22318), (677, 22324), (701, 22393), (708, 22411), (710, 22420), (720, 22450), (779, 22546), (795, 22579), (802, 22594), (845, 22735), (865, 22792), (907, 22903),

Gene: MaryV_40 Start: 25250, Stop: 27634, Start Num: 18

Candidate Starts for MaryV_40:

(Start: 18 @25250 has 5 MA's), (28, 25367), (34, 25388), (35, 25391), (37, 25421), (39, 25427), (40, 25436), (55, 25526), (59, 25562), (60, 25580), (63, 25607), (65, 25619), (66, 25628), (76, 25691), (83, 25727), (93, 25763), (94, 25766), (97, 25772), (Start: 134 @25844 has 40 MA's), (163, 25874), (204, 25943), (205, 25946), (245, 26033), (252, 26051), (253, 26054), (274, 26114), (303, 26153), (326, 26195), (329, 26204), (331, 26210), (343, 26225), (350, 26240), (376, 26288), (423, 26384), (437, 26426), (438, 26429), (510, 26606), (516, 26624), (521, 26639), (523, 26654), (533, 26675), (543, 26708), (552, 26717), (582, 26747), (598, 26786), (612, 26828), (616, 26840), (617, 26843), (638, 26903), (674, 26963), (691, 27008), (703, 27044), (729, 27110), (783, 27164), (787, 27170), (824, 27236), (882, 27407), (892, 27431), (944, 27551), (951, 27572), (953, 27581), (965, 27617),

Gene: MarysWell_23 Start: 19695, Stop: 21503, Start Num: 134

Candidate Starts for MarysWell_23:

(Start: 134 @19695 has 40 MA's), (Start: 145 @19707 has 749 MA's), (Start: 220 @19812 has 45 MA's), (240, 19845), (304, 19944), (349, 20019), (361, 20034), (379, 20070), (419, 20142), (423, 20157), (436, 20196), (445, 20223), (476, 20283), (516, 20391), (523, 20421), (527, 20427), (587, 20562), (612, 20619), (613, 20622), (616, 20631), (629, 20673), (637, 20691), (674, 20751), (675, 20754), (708, 20847), (710, 20856), (717, 20880), (777, 20988), (795, 21024), (865, 21234), (904, 21336), (907, 21345), (953, 21459), (959, 21480), (961, 21489),

Gene: Maselop_45 Start: 31376, Stop: 32950, Start Num: 264

Candidate Starts for Maselop_45:

(Start: 264 @31376 has 7 MA's), (Start: 269 @31385 has 31 MA's), (302, 31439), (311, 31463), (322, 31466), (455, 31736), (484, 31799), (489, 31814), (535, 31931), (539, 31946), (572, 32003), (578, 32012), (594, 32054), (604, 32075), (615, 32105), (635, 32162), (677, 32237), (711, 32333), (756, 32438), (757, 32441), (774, 32468), (814, 32546), (827, 32585), (884, 32741), (922, 32807),

Gene: Matteo_17 Start: 14694, Stop: 16403, Start Num: 269

Candidate Starts for Matteo_17:

(Start: 191 @14523 has 1 MA's), (208, 14559), (Start: 269 @14694 has 31 MA's), (324, 14811), (359, 14883), (361, 14886), (379, 14922), (405, 14961), (452, 15084), (463, 15105), (489, 15174), (490, 15177), (532, 15309), (547, 15363), (581, 15444), (605, 15504), (608, 15510), (688, 15669), (694, 15687), (697, 15702), (707, 15726), (731, 15798), (732, 15801), (745, 15822), (841, 16056), (846, 16071), (860, 16113), (893, 16206), (894, 16209), (918, 16257), (932, 16287), (938, 16299),

Gene: Mattes_16 Start: 14804, Stop: 16513, Start Num: 132

Candidate Starts for Mattes_16:

(Start: 132 @14804 has 199 MA's), (198, 14891), (Start: 228 @14936 has 2 MA's), (237, 14960), (256, 15017), (277, 15065), (282, 15071), (290, 15089), (301, 15119), (349, 15224), (379, 15278), (383, 15284), (389, 15293), (404, 15314), (415, 15338), (425, 15374), (427, 15380), (438, 15413), (439, 15416), (442, 15425), (459, 15440), (467, 15446), (481, 15464), (486, 15479), (488, 15485), (493, 15503), (494, 15506), (501, 15521), (509, 15536), (510, 15542), (523, 15590), (530, 15602), (531, 15608), (586, 15668), (590, 15680), (606, 15716), (612, 15728), (644, 15803), (647, 15812), (656,

15830), (659, 15836), (671, 15866), (755, 15971), (764, 15983), (785, 16019), (813, 16097), (851, 16217), (862, 16250), (877, 16280), (880, 16292), (886, 16310), (888, 16316), (889, 16319), (891, 16325), (905, 16340), (906, 16343), (914, 16364), (916, 16367), (940, 16409), (947, 16439), (959, 16481), (960, 16487),

Gene: Maverick_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Maverick_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Maxo_27 Start: 19825, Stop: 21603, Start Num: 145

Candidate Starts for Maxo_27:

(Start: 128 @19801 has 10 MA's), (Start: 145 @19825 has 749 MA's), (Start: 191 @19882 has 1 MA's), (Start: 220 @19936 has 45 MA's), (233, 19951), (240, 19969), (297, 20053), (303, 20065), (304, 20068), (349, 20143), (361, 20158), (381, 20197), (434, 20314), (470, 20401), (504, 20482), (521, 20530), (528, 20554), (560, 20641), (587, 20686), (617, 20758), (623, 20779), (629, 20797), (675, 20878), (708, 20971), (710, 20980), (717, 21004), (720, 21010), (731, 21034), (779, 21088), (791, 21109), (808, 21160), (815, 21184), (833, 21238), (865, 21334), (905, 21439), (909, 21454), (954, 21562), (959, 21580),

Gene: Maxxinista_25 Start: 19297, Stop: 20892, Start Num: 197

Candidate Starts for Maxxinista_25:

(Start: 137 @19213 has 84 MA's), (Start: 197 @19297 has 47 MA's), (Start: 239 @19375 has 1 MA's), (272, 19462), (282, 19477), (301, 19525), (315, 19564), (363, 19651), (380, 19684), (404, 19720), (417, 19750), (418, 19756), (441, 19825), (483, 19855), (487, 19867), (488, 19870), (510, 19927), (587, 20059), (589, 20065), (617, 20131), (620, 20137), (626, 20161), (647, 20209), (659, 20233), (665, 20242), (695, 20317), (761, 20368), (772, 20383), (833, 20545), (841, 20572), (851, 20602), (890, 20707), (938, 20785), (947, 20821), (950, 20830), (959, 20863), (965, 20878),

Gene: Mayweather_19 Start: 16040, Stop: 17734, Start Num: 145

Candidate Starts for Mayweather_19:

(Start: 135 @16037 has 8 MA's), (Start: 145 @16040 has 749 MA's), (213, 16139), (Start: 239 @16181 has 1 MA's), (247, 16202), (319, 16319), (379, 16421), (423, 16508), (433, 16538), (442, 16565), (463, 16610), (470, 16628), (481, 16643), (486, 16658), (506, 16715), (516, 16748), (520, 16760), (530, 16790), (565, 16847), (582, 16865), (592, 16895), (606, 16925), (613, 16940), (628, 16988), (654, 17039), (675, 17075), (680, 17090), (689, 17108), (708, 17165), (796, 17294), (802, 17306), (844, 17405), (845, 17408), (851, 17426), (875, 17486), (881, 17504), (890, 17531), (907, 17573), (961, 17720), (965, 17726),

Gene: Mazhar510_27 Start: 19828, Stop: 21606, Start Num: 145

Candidate Starts for Mazhar510_27:

(Start: 128 @19804 has 10 MA's), (Start: 145 @19828 has 749 MA's), (Start: 191 @19885 has 1 MA's), (Start: 220 @19939 has 45 MA's), (233, 19954), (240, 19972), (297, 20056), (303, 20068), (304, 20071), (349, 20146), (361, 20161), (381, 20200), (434, 20317), (470, 20404), (504, 20485), (521, 20533), (528, 20557), (560, 20644), (587, 20689), (617, 20761), (623, 20782), (629, 20800), (675, 20881), (708, 20974), (710, 20983), (717, 21007), (720, 21013), (731, 21037), (779, 21091), (791, 21112), (808, 21163), (815, 21187), (833, 21241), (865, 21337), (905, 21442), (909, 21457), (954, 21565), (959, 21583),

Gene: Mbo4_17 Start: 15757, Stop: 17310, Start Num: 268

Candidate Starts for Mbo4_17:

(208, 15625), (Start: 268 @15757 has 52 MA's), (425, 16027), (438, 16066), (482, 16177), (534, 16333), (610, 16435), (628, 16471), (643, 16507), (688, 16594), (694, 16612), (702, 16639), (719, 16690), (830, 16933), (932, 17194), (939, 17209), (953, 17263),

Gene: McFly_31 Start: 19976, Stop: 21748, Start Num: 145

Candidate Starts for McFly_31:

(103, 19910), (Start: 128 @19952 has 10 MA's), (Start: 145 @19976 has 749 MA's), (261, 20174), (304, 20213), (347, 20285), (349, 20288), (363, 20306), (381, 20342), (385, 20348), (434, 20459), (436, 20465), (448, 20504), (470, 20546), (488, 20585), (504, 20627), (507, 20630), (523, 20690), (624, 20927), (629, 20942), (675, 21023), (720, 21155), (802, 21281), (817, 21332), (821, 21341), (832, 21380), (833, 21383), (836, 21395), (865, 21479), (905, 21584), (907, 21590), (959, 21725),

Gene: McGuire_28 Start: 21127, Stop: 22929, Start Num: 148

Candidate Starts for McGuire_28:

(Start: 148 @21127 has 202 MA's), (Start: 166 @21148 has 28 MA's), (Start: 191 @21190 has 1 MA's), (215, 21235), (349, 21451), (376, 21496), (381, 21505), (425, 21595), (426, 21598), (463, 21691), (507, 21793), (528, 21862), (616, 22063), (617, 22066), (623, 22087), (674, 22183), (675, 22186), (677, 22192), (701, 22261), (708, 22279), (710, 22288), (720, 22318), (779, 22414), (795, 22447), (802, 22462), (845, 22603), (865, 22660), (907, 22771), (966, 22924),

Gene: McKinley_37 Start: 31773, Stop: 33536, Start Num: 107

Candidate Starts for McKinley_37:

(100, 31755), (Start: 107 @31773 has 72 MA's), (Start: 126 @31809 has 1 MA's), (216, 31947), (259, 32043), (265, 32052), (319, 32121), (349, 32172), (376, 32217), (385, 32232), (425, 32313), (440, 32358), (443, 32367), (487, 32457), (495, 32487), (503, 32502), (510, 32526), (520, 32556), (586, 32661), (629, 32778), (644, 32796), (649, 32811), (668, 32841), (674, 32853), (675, 32856), (686, 32883), (845, 33207), (846, 33210), (862, 33258), (875, 33285), (884, 33312), (905, 33366), (913, 33393), (966, 33531),

Gene: Mcklovin_20 Start: 20071, Stop: 21651, Start Num: 268

Candidate Starts for Mcklovin_20:

(217, 19954), (Start: 268 @20071 has 52 MA's), (418, 20329), (425, 20350), (443, 20404), (459, 20443), (482, 20500), (489, 20521), (582, 20692), (588, 20710), (601, 20734), (608, 20755), (628, 20797), (671, 20878), (705, 20968), (745, 21070), (748, 21073), (779, 21127), (813, 21217), (913, 21496), (918, 21505), (932, 21535),

Gene: Mdavu_19 Start: 16685, Stop: 18451, Start Num: 145

Candidate Starts for Mdavu_19:

(Start: 145 @16685 has 749 MA's), (Start: 150 @16691 has 25 MA's), (Start: 170 @16715 has 1 MA's), (Start: 239 @16841 has 1 MA's), (244, 16856), (251, 16874), (276, 16937), (338, 17072), (341, 17078), (404, 17186), (409, 17195), (443, 17300), (486, 17369), (488, 17375), (501, 17411), (508, 17423), (527, 17486), (586, 17588), (593, 17606), (612, 17648), (613, 17651), (666, 17756), (693, 17828), (758, 17936), (763, 17942), (797, 17987), (814, 18041), (823, 18062), (845, 18137), (862, 18188), (909, 18287), (917, 18302), (938, 18338), (950, 18383), (960, 18422), (961, 18425), (971, 18443),

Gene: MeaningOfLife_23 Start: 17124, Stop: 18890, Start Num: 145

Candidate Starts for MeaningOfLife_23:

(Start: 145 @17124 has 749 MA's), (Start: 170 @17154 has 1 MA's), (251, 17313), (261, 17346), (276, 17376), (291, 17409), (298, 17421), (338, 17511), (361, 17553), (404, 17625), (409, 17634), (422,

17673), (436, 17718), (443, 17739), (444, 17742), (482, 17796), (488, 17814), (504, 17856), (508, 17862), (516, 17889), (586, 18027), (593, 18045), (612, 18087), (619, 18105), (628, 18135), (647, 18162), (693, 18267), (797, 18426), (809, 18462), (820, 18492), (823, 18501), (845, 18576), (862, 18627), (950, 18822), (960, 18861), (961, 18864), (971, 18882),

Gene: Medusa_27 Start: 19828, Stop: 21606, Start Num: 145

Candidate Starts for Medusa_27:

(Start: 128 @19804 has 10 MA's), (Start: 145 @19828 has 749 MA's), (Start: 191 @19885 has 1 MA's), (Start: 220 @19939 has 45 MA's), (233, 19954), (240, 19972), (297, 20056), (303, 20068), (304, 20071), (349, 20146), (361, 20161), (381, 20200), (434, 20317), (470, 20404), (504, 20485), (521, 20533), (528, 20557), (560, 20644), (587, 20689), (617, 20761), (623, 20782), (629, 20800), (675, 20881), (708, 20974), (710, 20983), (717, 21007), (720, 21013), (731, 21037), (779, 21091), (791, 21112), (808, 21163), (815, 21187), (833, 21241), (865, 21337), (905, 21442), (909, 21457), (954, 21565), (959, 21583),

Gene: MeeZee_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for MeeZee_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Megiddo_19 Start: 16273, Stop: 18009, Start Num: 129

Candidate Starts for Megiddo_19:

(Start: 114 @16249 has 2 MA's), (Start: 129 @16273 has 45 MA's), (174, 16333), (185, 16354), (Start: 187 @16357 has 15 MA's), (250, 16477), (263, 16516), (279, 16549), (291, 16573), (341, 16693), (363, 16732), (365, 16738), (411, 16822), (415, 16828), (418, 16840), (425, 16864), (434, 16891), (441, 16909), (470, 16948), (481, 16954), (489, 16978), (510, 17032), (513, 17044), (517, 17053), (537, 17113), (595, 17191), (612, 17230), (622, 17263), (647, 17329), (659, 17353), (669, 17377), (686, 17407), (782, 17521), (788, 17533), (794, 17542), (796, 17551), (830, 17659), (858, 17743), (898, 17842), (950, 17950), (965, 17998),

Gene: Megsy_23 Start: 17125, Stop: 18891, Start Num: 145

Candidate Starts for Megsy_23:

(Start: 145 @17125 has 749 MA's), (Start: 170 @17155 has 1 MA's), (251, 17314), (261, 17347), (276, 17377), (291, 17410), (298, 17422), (338, 17512), (361, 17554), (398, 17617), (404, 17626), (409, 17635), (422, 17674), (436, 17719), (443, 17740), (444, 17743), (488, 17815), (504, 17857), (508, 17863), (516, 17890), (586, 18028), (593, 18046), (612, 18088), (619, 18106), (628, 18136), (647, 18163), (693, 18268), (797, 18427), (809, 18463), (820, 18493), (823, 18502), (845, 18577), (862, 18628), (950, 18823), (960, 18862), (961, 18865), (971, 18883),

Gene: MelBins_34 Start: 29286, Stop: 30911, Start Num: 190

Candidate Starts for MelBins_34:

(Start: 190 @29286 has 16 MA's), (198, 29298), (214, 29331), (219, 29340), (227, 29352), (Start: 239 @29382 has 1 MA's), (251, 29415), (289, 29499), (294, 29511), (326, 29586), (354, 29646), (371, 29676), (489, 29883), (500, 29913), (517, 29958), (521, 29970), (537, 30018), (586, 30066), (616, 30138), (627, 30171), (628, 30174), (649, 30213), (668, 30252), (700, 30339), (701, 30342), (787, 30420), (809, 30480), (824, 30525), (847, 30606), (867, 30660), (899, 30741), (909, 30756), (959, 30885), (965, 30900),

Gene: Melba_19 Start: 16650, Stop: 18296, Start Num: 220

Candidate Starts for Melba_19:

(196, 16614), (Start: 220 @16650 has 45 MA's), (261, 16752), (295, 16830), (296, 16833), (337, 16929), (355, 16968), (404, 17049), (423, 17103), (428, 17118), (510, 17289), (520, 17319), (620, 17502), (626, 17526), (627, 17529), (658, 17577), (695, 17670), (700, 17682), (738, 17727), (747, 17742), (809, 17874), (810, 17877), (841, 17976), (847, 17994), (865, 18045), (890, 18111), (927, 18174), (935, 18186),

Gene: Melissauren88_16 Start: 14837, Stop: 16546, Start Num: 132

Candidate Starts for Melissauren88_16:

(Start: 132 @14837 has 199 MA's), (198, 14924), (Start: 228 @14969 has 2 MA's), (237, 14993), (277, 15098), (282, 15104), (290, 15122), (301, 15152), (349, 15257), (383, 15317), (398, 15338), (404, 15347), (411, 15365), (415, 15371), (481, 15497), (486, 15512), (488, 15518), (501, 15554), (503, 15557), (509, 15569), (510, 15575), (523, 15623), (530, 15635), (531, 15641), (586, 15701), (590, 15713), (606, 15749), (612, 15761), (644, 15836), (647, 15845), (656, 15863), (659, 15869), (671, 15899), (755, 16004), (761, 16013), (764, 16016), (785, 16052), (813, 16130), (844, 16229), (851, 16250), (862, 16283), (877, 16313), (886, 16343), (889, 16352), (891, 16358), (905, 16373), (906, 16376), (916, 16400), (935, 16430), (940, 16442), (947, 16472), (959, 16514),

Gene: Mellie_18 Start: 16411, Stop: 18057, Start Num: 220

Candidate Starts for Mellie_18:

(196, 16375), (Start: 220 @16411 has 45 MA's), (261, 16513), (295, 16591), (296, 16594), (337, 16690), (355, 16729), (390, 16789), (404, 16810), (423, 16864), (428, 16879), (482, 16975), (510, 17050), (520, 17080), (620, 17263), (626, 17287), (658, 17338), (695, 17431), (700, 17443), (738, 17488), (747, 17503), (809, 17635), (810, 17638), (841, 17737), (847, 17755), (865, 17806), (888, 17866), (890, 17872), (927, 17935), (935, 17947),

Gene: Melville_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Melville_18:

(Start: 134 @14989 has 40 MA's), (161, 15016), (Start: 228 @15121 has 2 MA's), (232, 15133), (245, 15169), (263, 15220), (277, 15250), (282, 15256), (294, 15283), (296, 15289), (349, 15409), (379, 15463), (383, 15469), (395, 15487), (404, 15499), (406, 15502), (415, 15523), (427, 15565), (438, 15598), (481, 15649), (486, 15664), (501, 15706), (509, 15721), (510, 15727), (523, 15775), (535, 15799), (554, 15829), (586, 15853), (612, 15913), (616, 15925), (636, 15979), (644, 15988), (670, 16048), (671, 16051), (755, 16156), (761, 16165), (785, 16204), (832, 16342), (885, 16492), (886, 16495), (889, 16504), (905, 16525), (916, 16552), (938, 16588), (965, 16681),

Gene: Melvin_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Melvin_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Mendokysei_18 Start: 16790, Stop: 18496, Start Num: 166

Candidate Starts for Mendokysei_18:

(45, 16388), (49, 16403), (51, 16412), (54, 16436), (71, 16583), (95, 16682), (127, 16745), (Start: 166 @16790 has 28 MA's), (205, 16856), (297, 17021), (304, 17036), (326, 17075), (328, 17078), (350, 17120), (352, 17123), (391, 17189), (394, 17195), (486, 17411), (510, 17474), (540, 17564), (583, 17609), (609, 17675), (616, 17696), (617, 17699), (632, 17744), (698, 17885), (785, 18020), (787,

18023), (804, 18062), (862, 18212), (879, 18248), (940, 18392), (944, 18413), (952, 18440), (965, 18479),

Gene: MerCougar_42 Start: 30743, Stop: 32359, Start Num: 260

Candidate Starts for MerCougar_42:

(Start: 260 @30743 has 35 MA's), (322, 30857), (365, 30941), (452, 31124), (484, 31190), (489, 31205), (497, 31229), (498, 31232), (527, 31316), (538, 31346), (570, 31397), (572, 31406), (582, 31424), (592, 31454), (604, 31478), (633, 31562), (643, 31583), (674, 31631), (688, 31670), (704, 31718), (756, 31844), (780, 31880), (827, 31991), (847, 32054), (851, 32066), (935, 32243), (947, 32285), (964, 32342),

Gene: Mercurio_20 Start: 17337, Stop: 19148, Start Num: 110

Candidate Starts for Mercurio_20:

(16, 16770), (92, 17289), (96, 17307), (Start: 110 @17337 has 1 MA's), (222, 17487), (244, 17541), (261, 17592), (276, 17622), (Start: 288 @17646 has 1 MA's), (320, 17724), (361, 17799), (488, 18069), (491, 18078), (508, 18117), (520, 18156), (530, 18186), (550, 18240), (586, 18282), (647, 18423), (693, 18528), (701, 18555), (770, 18648), (808, 18720), (828, 18783), (833, 18798), (840, 18822), (862, 18888), (909, 18987), (950, 19083), (963, 19128),

Gene: MetalQZJ_27 Start: 21259, Stop: 23061, Start Num: 148

Candidate Starts for MetalQZJ_27:

(Start: 148 @21259 has 202 MA's), (Start: 166 @21280 has 28 MA's), (Start: 191 @21322 has 1 MA's), (215, 21367), (349, 21583), (376, 21628), (381, 21637), (425, 21727), (426, 21730), (463, 21823), (507, 21925), (528, 21994), (612, 22183), (616, 22195), (617, 22198), (623, 22219), (674, 22315), (675, 22318), (677, 22324), (701, 22393), (708, 22411), (710, 22420), (720, 22450), (779, 22546), (795, 22579), (802, 22594), (845, 22735), (865, 22792), (907, 22903),

Gene: Methuselah_28 Start: 20462, Stop: 22258, Start Num: 145

Candidate Starts for Methuselah_28:

(Start: 145 @20462 has 749 MA's), (Start: 191 @20519 has 1 MA's), (199, 20534), (216, 20567), (233, 20588), (Start: 239 @20603 has 1 MA's), (297, 20690), (303, 20702), (304, 20705), (349, 20780), (361, 20795), (379, 20831), (470, 21038), (516, 21152), (528, 21191), (560, 21278), (616, 21392), (623, 21416), (629, 21434), (675, 21515), (701, 21590), (708, 21608), (717, 21641), (720, 21647), (739, 21686), (777, 21740), (779, 21743), (791, 21764), (810, 21821), (865, 21989), (905, 22094), (907, 22100), (959, 22235),

Gene: Meyran_21 Start: 18916, Stop: 20562, Start Num: 183

Candidate Starts for Meyran_21:

(81, 18715), (99, 18775), (Start: 153 @18868 has 1 MA's), (Start: 176 @18904 has 2 MA's), (Start: 183 @18916 has 3 MA's), (244, 19030), (246, 19036), (263, 19084), (306, 19180), (308, 19186), (361, 19297), (365, 19306), (380, 19333), (384, 19339), (386, 19342), (400, 19363), (486, 19534), (487, 19537), (511, 19603), (517, 19618), (575, 19702), (580, 19711), (600, 19753), (606, 19774), (623, 19822), (627, 19834), (638, 19861), (675, 19930), (699, 19999), (710, 20032), (760, 20089), (809, 20140), (831, 20209), (847, 20260), (859, 20296), (865, 20311), (887, 20368), (890, 20377), (914, 20416), (936, 20455), (939, 20461),

Gene: MiaZeal_34 Start: 24890, Stop: 26623, Start Num: 133

Candidate Starts for MiaZeal_34:

(Start: 133 @24890 has 29 MA's), (Start: 197 @24980 has 47 MA's), (198, 24983), (237, 25058), (247, 25085), (272, 25151), (291, 25187), (302, 25217), (307, 25232), (345, 25316), (365, 25352), (380, 25379), (406, 25418), (418, 25451), (421, 25460), (439, 25517), (469, 25559), (507, 25634), (510, 25646), (530, 25706), (573, 25760), (587, 25790), (595, 25808), (601, 25817), (613, 25850), (617, 25862), (620, 25868), (632, 25907), (659, 25964), (772, 26114), (782, 26132), (802, 26174), (808,

26198), (809, 26201), (813, 26216), (824, 26246), (833, 26276), (851, 26333), (919, 26483), (961, 26603), (965, 26609),

Gene: Micasa_23 Start: 19633, Stop: 21429, Start Num: 145

Candidate Starts for Micasa_23:

(Start: 145 @19633 has 749 MA's), (Start: 220 @19738 has 45 MA's), (240, 19771), (304, 19870), (349, 19945), (361, 19960), (379, 19996), (419, 20068), (423, 20083), (436, 20122), (523, 20347), (527, 20353), (587, 20488), (612, 20545), (613, 20548), (616, 20557), (629, 20599), (637, 20617), (674, 20677), (675, 20680), (708, 20773), (710, 20782), (717, 20806), (777, 20914), (795, 20950), (865, 21160), (904, 21262), (907, 21271), (959, 21406), (961, 21415),

Gene: MichaelScott_20 Start: 17703, Stop: 19283, Start Num: 268

Candidate Starts for MichaelScott_20:

(217, 17586), (Start: 268 @17703 has 52 MA's), (418, 17961), (425, 17982), (443, 18036), (459, 18075), (482, 18132), (489, 18153), (582, 18324), (588, 18342), (601, 18366), (608, 18387), (628, 18429), (671, 18510), (705, 18600), (720, 18645), (745, 18702), (748, 18705), (779, 18759), (813, 18849), (913, 19128), (918, 19137), (932, 19167),

Gene: MichelleMyBell_18 Start: 14987, Stop: 16696, Start Num: 134

Candidate Starts for MichelleMyBell_18:

(Start: 134 @14987 has 40 MA's), (161, 15014), (Start: 228 @15119 has 2 MA's), (232, 15131), (245, 15167), (263, 15218), (272, 15239), (277, 15248), (282, 15254), (291, 15275), (296, 15287), (379, 15461), (383, 15467), (395, 15485), (404, 15497), (406, 15500), (415, 15521), (438, 15596), (459, 15623), (481, 15647), (482, 15650), (486, 15662), (501, 15704), (509, 15719), (510, 15725), (512, 15734), (523, 15773), (554, 15827), (586, 15851), (612, 15911), (636, 15977), (644, 15986), (647, 15995), (670, 16046), (671, 16049), (755, 16154), (785, 16202), (802, 16238), (810, 16268), (832, 16340), (886, 16493), (889, 16502), (905, 16523), (909, 16538), (916, 16550), (938, 16586), (940, 16592),

Gene: Michley_27 Start: 21004, Stop: 22806, Start Num: 148

Candidate Starts for Michley_27:

(Start: 148 @21004 has 202 MA's), (Start: 166 @21025 has 28 MA's), (Start: 191 @21067 has 1 MA's), (215, 21112), (349, 21328), (376, 21373), (381, 21382), (407, 21421), (425, 21472), (426, 21475), (507, 21670), (528, 21739), (616, 21940), (617, 21943), (623, 21964), (674, 22060), (675, 22063), (677, 22069), (701, 22138), (708, 22156), (710, 22165), (720, 22195), (779, 22291), (795, 22324), (802, 22339), (845, 22480), (865, 22537), (907, 22648),

Gene: Microwolf_29 Start: 20380, Stop: 22176, Start Num: 145

Candidate Starts for Microwolf_29:

(Start: 145 @20380 has 749 MA's), (Start: 191 @20437 has 1 MA's), (199, 20452), (216, 20485), (233, 20506), (Start: 239 @20521 has 1 MA's), (297, 20608), (303, 20620), (304, 20623), (349, 20698), (361, 20713), (379, 20749), (470, 20956), (516, 21070), (528, 21109), (560, 21196), (616, 21310), (623, 21334), (629, 21352), (675, 21433), (701, 21508), (708, 21526), (717, 21559), (720, 21565), (739, 21604), (777, 21658), (779, 21661), (791, 21682), (810, 21739), (865, 21907), (905, 22012), (907, 22018), (959, 22153),

Gene: MiculUcigas_28 Start: 20213, Stop: 21985, Start Num: 145

Candidate Starts for MiculUcigas_28:

(Start: 128 @20189 has 10 MA's), (Start: 145 @20213 has 749 MA's), (Start: 239 @20348 has 1 MA's), (303, 20447), (304, 20450), (347, 20522), (349, 20525), (381, 20579), (385, 20585), (419, 20648), (434, 20696), (445, 20729), (470, 20783), (504, 20864), (507, 20867), (516, 20897), (582, 21053), (617, 21140), (675, 21260), (716, 21383), (717, 21386), (720, 21392), (757, 21440), (795, 21503), (802, 21518), (804, 21524), (821, 21578), (832, 21617), (836, 21632), (847, 21665), (905,

21821), (907, 21827), (935, 21881),

Gene: Midas2_24 Start: 19707, Stop: 21503, Start Num: 145

Candidate Starts for Midas2_24:

(Start: 134 @19695 has 40 MA's), (Start: 145 @19707 has 749 MA's), (Start: 220 @19812 has 45 MA's), (240, 19845), (304, 19944), (349, 20019), (361, 20034), (379, 20070), (419, 20142), (423, 20157), (436, 20196), (523, 20421), (527, 20427), (587, 20562), (612, 20619), (613, 20622), (616, 20631), (629, 20673), (637, 20691), (674, 20751), (675, 20754), (708, 20847), (710, 20856), (717, 20880), (777, 20988), (795, 21024), (865, 21234), (904, 21336), (907, 21345), (959, 21480), (961, 21489),

Gene: Miko_31 Start: 21807, Stop: 23579, Start Num: 145

Candidate Starts for Miko_31:

(Start: 128 @21783 has 10 MA's), (Start: 145 @21807 has 749 MA's), (256, 21990), (303, 22041), (304, 22044), (347, 22116), (349, 22119), (381, 22173), (434, 22290), (470, 22377), (494, 22437), (504, 22458), (507, 22461), (520, 22503), (582, 22647), (617, 22734), (629, 22773), (675, 22854), (720, 22986), (795, 23097), (802, 23112), (804, 23118), (821, 23172), (832, 23211), (836, 23226), (847, 23259), (865, 23310), (894, 23388), (905, 23415), (907, 23421), (935, 23475),

Gene: MilanaBonita_17 Start: 15476, Stop: 17185, Start Num: 132

Candidate Starts for MilanaBonita_17:

(Start: 132 @15476 has 199 MA's), (198, 15563), (Start: 228 @15608 has 2 MA's), (237, 15632), (277, 15737), (282, 15743), (290, 15761), (301, 15791), (349, 15896), (383, 15956), (398, 15977), (404, 15986), (415, 16010), (481, 16136), (486, 16151), (488, 16157), (501, 16193), (503, 16196), (509, 16208), (510, 16214), (523, 16262), (530, 16274), (531, 16280), (586, 16340), (590, 16352), (606, 16388), (612, 16400), (644, 16475), (647, 16484), (656, 16502), (659, 16508), (671, 16538), (755, 16643), (761, 16652), (764, 16655), (777, 16676), (785, 16691), (810, 16757), (813, 16769), (844, 16868), (851, 16889), (862, 16922), (877, 16952), (886, 16982), (889, 16991), (891, 16997), (905, 17012), (906, 17015), (916, 17039), (935, 17069), (940, 17081), (947, 17111), (959, 17153),

Gene: Milcery_24 Start: 19663, Stop: 21459, Start Num: 145

Candidate Starts for Milcery_24:

(Start: 145 @19663 has 749 MA's), (Start: 220 @19768 has 45 MA's), (240, 19801), (304, 19900), (349, 19975), (361, 19990), (379, 20026), (419, 20098), (423, 20113), (436, 20152), (445, 20179), (451, 20200), (476, 20239), (523, 20377), (527, 20383), (587, 20518), (612, 20575), (613, 20578), (616, 20587), (629, 20629), (637, 20647), (674, 20707), (675, 20710), (708, 20803), (710, 20812), (717, 20836), (777, 20944), (795, 20980), (865, 21190), (904, 21292), (907, 21301), (953, 21415), (959, 21436), (961, 21445),

Gene: Miley16_18 Start: 16989, Stop: 18722, Start Num: 165

Candidate Starts for Miley16_18:

(Start: 165 @16989 has 28 MA's), (205, 17058), (274, 17199), (276, 17202), (306, 17247), (326, 17280), (329, 17289), (350, 17325), (379, 17379), (397, 17406), (405, 17418), (423, 17469), (425, 17475), (436, 17508), (500, 17661), (510, 17685), (512, 17694), (527, 17739), (533, 17754), (583, 17832), (626, 17952), (657, 18015), (691, 18087), (703, 18123), (783, 18243), (787, 18249), (794, 18261), (826, 18324), (854, 18411), (862, 18438), (890, 18507), (897, 18522), (905, 18534), (912, 18558), (944, 18636),

Gene: MilleniumForce_17 Start: 15620, Stop: 17329, Start Num: 132

Candidate Starts for MilleniumForce_17:

(Start: 132 @15620 has 199 MA's), (198, 15707), (Start: 228 @15752 has 2 MA's), (237, 15776), (277, 15881), (282, 15887), (290, 15905), (301, 15935), (349, 16040), (383, 16100), (398, 16121), (404, 16130), (415, 16154), (481, 16280), (486, 16295), (488, 16301), (501, 16337), (503, 16340), (509,

16352), (510, 16358), (523, 16406), (530, 16418), (531, 16424), (586, 16484), (590, 16496), (606, 16532), (612, 16544), (644, 16619), (647, 16628), (656, 16646), (659, 16652), (671, 16682), (755, 16787), (761, 16796), (764, 16799), (785, 16835), (813, 16913), (844, 17012), (851, 17033), (862, 17066), (877, 17096), (886, 17126), (889, 17135), (891, 17141), (905, 17156), (906, 17159), (916, 17183), (935, 17213), (940, 17225), (947, 17255), (959, 17297),

Gene: Millski_26 Start: 19830, Stop: 21608, Start Num: 145

Candidate Starts for Millski_26:

(Start: 128 @19806 has 10 MA's), (Start: 145 @19830 has 749 MA's), (Start: 191 @19887 has 1 MA's), (Start: 220 @19941 has 45 MA's), (233, 19956), (240, 19974), (297, 20058), (303, 20070), (304, 20073), (349, 20148), (361, 20163), (381, 20202), (434, 20319), (470, 20406), (504, 20487), (521, 20535), (528, 20559), (560, 20646), (587, 20691), (617, 20763), (623, 20784), (629, 20802), (675, 20883), (708, 20976), (710, 20985), (717, 21009), (720, 21015), (731, 21039), (779, 21093), (791, 21114), (808, 21165), (815, 21189), (833, 21243), (865, 21339), (905, 21444), (909, 21459), (954, 21567), (959, 21585),

Gene: Milly_19 Start: 15013, Stop: 16782, Start Num: 143

Candidate Starts for Milly_19:

(Start: 121 @14977 has 1 MA's), (Start: 138 @15007 has 25 MA's), (Start: 143 @15013 has 53 MA's), (Start: 166 @15028 has 28 MA's), (Start: 193 @15070 has 1 MA's), (222, 15118), (Start: 239 @15157 has 1 MA's), (244, 15172), (261, 15223), (276, 15253), (291, 15286), (298, 15298), (304, 15316), (338, 15388), (341, 15394), (395, 15490), (404, 15502), (439, 15604), (444, 15619), (464, 15655), (488, 15691), (508, 15739), (520, 15778), (527, 15802), (531, 15814), (586, 15904), (589, 15913), (693, 16159), (710, 16213), (758, 16267), (820, 16381), (823, 16390), (845, 16465), (862, 16516), (865, 16522), (897, 16603), (909, 16618), (939, 16672), (960, 16753), (971, 16774),

Gene: Mindy_24 Start: 19608, Stop: 21203, Start Num: 197

Candidate Starts for Mindy_24:

(Start: 137 @19524 has 84 MA's), (Start: 197 @19608 has 47 MA's), (Start: 239 @19686 has 1 MA's), (272, 19773), (282, 19788), (301, 19836), (315, 19875), (363, 19962), (380, 19995), (404, 20031), (417, 20061), (418, 20067), (441, 20136), (483, 20166), (487, 20178), (488, 20181), (510, 20238), (587, 20370), (589, 20376), (617, 20442), (620, 20448), (626, 20472), (647, 20520), (659, 20544), (665, 20553), (695, 20628), (761, 20679), (772, 20694), (833, 20856), (841, 20883), (851, 20913), (890, 21018), (938, 21096), (947, 21132), (950, 21141), (959, 21174), (965, 21189),

Gene: MinecraftSteve_31 Start: 19215, Stop: 21002, Start Num: 145

Candidate Starts for MinecraftSteve_31:

(103, 19149), (Start: 128 @19191 has 10 MA's), (Start: 145 @19215 has 749 MA's), (240, 19353), (259, 19410), (304, 19452), (328, 19488), (349, 19527), (391, 19596), (407, 19620), (426, 19674), (488, 19824), (507, 19869), (516, 19899), (527, 19935), (543, 19986), (559, 20022), (587, 20070), (613, 20130), (674, 20259), (701, 20337), (802, 20538), (804, 20544), (833, 20640), (892, 20805), (938, 20904),

Gene: Minerva_37 Start: 28330, Stop: 30328, Start Num: 133

Candidate Starts for Minerva_37:

(Start: 133 @28330 has 29 MA's), (Start: 197 @28420 has 47 MA's), (223, 28468), (237, 28498), (247, 28525), (291, 28627), (302, 28657), (345, 28756), (365, 28792), (367, 28798), (380, 28819), (418, 28891), (421, 28900), (427, 28921), (488, 29029), (489, 29032), (493, 29047), (510, 29086), (523, 29134), (530, 29146), (531, 29152), (573, 29200), (579, 29209), (587, 29230), (595, 29248), (615, 29296), (656, 29398), (691, 29470), (706, 29515), (709, 29527), (726, 29662), (727, 29668), (728, 29692), (740, 29764), (754, 29791), (852, 30040),

Gene: MiniLon_19 Start: 17191, Stop: 18954, Start Num: 130

Candidate Starts for MiniLon_19:

(Start: 130 @17191 has 38 MA's), (155, 17218), (194, 17281), (Start: 220 @17329 has 45 MA's), (225, 17335), (248, 17371), (276, 17446), (297, 17470), (301, 17476), (329, 17533), (397, 17647), (405, 17659), (443, 17770), (507, 17914), (510, 17926), (616, 18148), (619, 18154), (638, 18211), (661, 18253), (669, 18262), (675, 18274), (701, 18349), (723, 18415), (731, 18427), (732, 18430), (787, 18478), (824, 18544), (847, 18622), (862, 18667), (882, 18712), (886, 18724), (912, 18787), (930, 18823), (936, 18838), (944, 18868), (946, 18874), (950, 18886), (952, 18895), (956, 18907),

Gene: MiniMac_19 Start: 17192, Stop: 18955, Start Num: 130

Candidate Starts for MiniMac_19:

(Start: 130 @17192 has 38 MA's), (155, 17219), (194, 17282), (Start: 220 @17330 has 45 MA's), (225, 17336), (248, 17372), (276, 17447), (297, 17471), (301, 17477), (329, 17534), (397, 17648), (405, 17660), (443, 17771), (507, 17915), (510, 17927), (616, 18149), (619, 18155), (638, 18212), (661, 18254), (669, 18263), (675, 18275), (701, 18350), (723, 18416), (731, 18428), (732, 18431), (787, 18479), (824, 18545), (847, 18623), (862, 18668), (882, 18713), (886, 18725), (912, 18788), (930, 18824), (936, 18839), (944, 18869), (946, 18875), (950, 18887), (952, 18896), (956, 18908),

Gene: MinionDave_17 Start: 15489, Stop: 17198, Start Num: 132

Candidate Starts for MinionDave_17:

(Start: 132 @15489 has 199 MA's), (198, 15576), (Start: 228 @15621 has 2 MA's), (237, 15645), (277, 15750), (282, 15756), (290, 15774), (301, 15804), (349, 15909), (383, 15969), (398, 15990), (404, 15999), (415, 16023), (481, 16149), (486, 16164), (488, 16170), (501, 16206), (503, 16209), (509, 16221), (510, 16227), (523, 16275), (530, 16287), (531, 16293), (586, 16353), (590, 16365), (606, 16401), (612, 16413), (644, 16488), (647, 16497), (656, 16515), (659, 16521), (671, 16551), (755, 16656), (761, 16665), (764, 16668), (785, 16704), (813, 16782), (844, 16881), (851, 16902), (862, 16935), (877, 16965), (886, 16995), (889, 17004), (891, 17010), (905, 17025), (906, 17028), (916, 17052), (935, 17082), (940, 17094), (947, 17124), (959, 17166),

Gene: Miniwave_24 Start: 19943, Stop: 21622, Start Num: 137

Candidate Starts for Miniwave_24:

(Start: 137 @19943 has 84 MA's), (Start: 197 @20027 has 47 MA's), (Start: 239 @20105 has 1 MA's), (272, 20192), (282, 20207), (301, 20255), (315, 20294), (363, 20381), (380, 20414), (404, 20450), (417, 20480), (418, 20486), (441, 20555), (483, 20585), (487, 20597), (488, 20600), (510, 20657), (587, 20789), (589, 20795), (617, 20861), (620, 20867), (626, 20891), (647, 20939), (659, 20963), (665, 20972), (695, 21047), (761, 21098), (772, 21113), (833, 21275), (841, 21302), (851, 21332), (890, 21437), (938, 21515), (947, 21551), (950, 21560), (959, 21593), (965, 21608),

Gene: Minnie_17 Start: 15349, Stop: 17058, Start Num: 132

Candidate Starts for Minnie_17:

(Start: 132 @15349 has 199 MA's), (198, 15436), (Start: 228 @15481 has 2 MA's), (237, 15505), (277, 15610), (282, 15616), (290, 15634), (301, 15664), (349, 15769), (379, 15823), (383, 15829), (398, 15850), (404, 15859), (415, 15883), (481, 16009), (486, 16024), (488, 16030), (501, 16066), (503, 16069), (509, 16081), (510, 16087), (523, 16135), (530, 16147), (531, 16153), (586, 16213), (590, 16225), (606, 16261), (612, 16273), (644, 16348), (647, 16357), (656, 16375), (659, 16381), (671, 16411), (755, 16516), (761, 16525), (764, 16528), (785, 16564), (813, 16642), (844, 16741), (851, 16762), (862, 16795), (877, 16825), (886, 16855), (889, 16864), (891, 16870), (905, 16885), (906, 16888), (916, 16912), (935, 16942), (940, 16954), (947, 16984), (959, 17026),

Gene: MintFen_19 Start: 16650, Stop: 18296, Start Num: 220

Candidate Starts for MintFen_19:

(196, 16614), (Start: 220 @16650 has 45 MA's), (261, 16752), (295, 16830), (296, 16833), (337, 16929), (355, 16968), (404, 17049), (423, 17103), (428, 17118), (510, 17289), (520, 17319), (620, 17502), (626, 17526), (627, 17529), (658, 17577), (695, 17670), (700, 17682), (738, 17727), (747,

17742), (809, 17874), (810, 17877), (841, 17976), (847, 17994), (865, 18045), (890, 18111), (927, 18174), (935, 18186),

Gene: Miramae_27 Start: 19775, Stop: 21568, Start Num: 150

Candidate Starts for Miramae_27:

(79, 19619), (91, 19664), (Start: 128 @19745 has 10 MA's), (Start: 145 @19769 has 749 MA's), (Start: 150 @19775 has 25 MA's), (Start: 191 @19829 has 1 MA's), (233, 19898), (261, 19976), (297, 20000), (303, 20012), (304, 20015), (349, 20090), (361, 20105), (381, 20144), (426, 20237), (434, 20261), (470, 20348), (516, 20462), (560, 20588), (587, 20633), (616, 20702), (623, 20726), (627, 20738), (675, 20825), (701, 20900), (708, 20918), (717, 20951), (720, 20957), (729, 20972), (777, 21050), (779, 21053), (791, 21074), (865, 21299), (905, 21404), (907, 21410), (959, 21545), (966, 21563),

Gene: Miryou_21 Start: 17480, Stop: 19252, Start Num: 150

Candidate Starts for Miryou_21:

(Start: 150 @17480 has 25 MA's), (155, 17486), (172, 17510), (Start: 193 @17543 has 1 MA's), (222, 17591), (244, 17645), (261, 17696), (291, 17759), (341, 17867), (404, 17975), (443, 18089), (444, 18092), (465, 18131), (482, 18146), (486, 18158), (488, 18164), (504, 18206), (508, 18212), (520, 18251), (527, 18275), (586, 18377), (613, 18440), (627, 18485), (693, 18620), (754, 18719), (802, 18797), (808, 18821), (814, 18842), (820, 18854), (822, 18860), (845, 18938), (847, 18944), (914, 19097), (955, 19202), (956, 19205), (960, 19223),

Gene: Misfit_24 Start: 19833, Stop: 21512, Start Num: 137

Candidate Starts for Misfit_24:

(Start: 137 @19833 has 84 MA's), (Start: 197 @19917 has 47 MA's), (Start: 239 @19995 has 1 MA's), (272, 20082), (282, 20097), (301, 20145), (315, 20184), (363, 20271), (380, 20304), (404, 20340), (417, 20370), (418, 20376), (441, 20445), (483, 20475), (487, 20487), (488, 20490), (510, 20547), (587, 20679), (589, 20685), (617, 20751), (620, 20757), (626, 20781), (647, 20829), (659, 20853), (665, 20862), (695, 20937), (761, 20988), (772, 21003), (833, 21165), (841, 21192), (851, 21222), (890, 21327), (938, 21405), (947, 21441), (950, 21450), (959, 21483), (965, 21498),

Gene: Misha28_17 Start: 14677, Stop: 16386, Start Num: 132

Candidate Starts for Misha28_17:

(Start: 132 @14677 has 199 MA's), (198, 14764), (Start: 228 @14809 has 2 MA's), (237, 14833), (277, 14938), (282, 14944), (290, 14962), (294, 14971), (301, 14992), (349, 15097), (383, 15157), (389, 15166), (398, 15178), (404, 15187), (415, 15211), (425, 15247), (427, 15253), (431, 15265), (438, 15286), (439, 15289), (442, 15298), (459, 15313), (467, 15319), (481, 15337), (486, 15352), (488, 15358), (493, 15376), (494, 15379), (501, 15394), (509, 15409), (510, 15415), (523, 15463), (530, 15475), (531, 15481), (586, 15541), (590, 15553), (595, 15562), (606, 15589), (612, 15601), (620, 15622), (644, 15676), (647, 15685), (659, 15709), (671, 15739), (755, 15844), (764, 15856), (785, 15892), (813, 15970), (844, 16069), (851, 16090), (862, 16123), (877, 16153), (886, 16183), (888, 16189), (889, 16192), (891, 16198), (905, 16213), (906, 16216), (914, 16237), (940, 16282), (959, 16354), (960, 16360),

Gene: Miskis_50 Start: 29375, Stop: 31066, Start Num: 154

Candidate Starts for Miskis_50:

(Start: 154 @29375 has 21 MA's), (Start: 193 @29435 has 1 MA's), (208, 29468), (Start: 228 @29498 has 2 MA's), (229, 29501), (276, 29627), (291, 29660), (295, 29669), (351, 29798), (378, 29846), (510, 30059), (511, 30065), (520, 30089), (600, 30218), (606, 30239), (620, 30272), (695, 30470), (810, 30623), (841, 30722), (845, 30734), (848, 30743), (880, 30827), (948, 30974), (958, 31010), (961, 31022),

Gene: Misomonster_31 Start: 20462, Stop: 22258, Start Num: 145

Candidate Starts for Misomonster_31:

(Start: 145 @20462 has 749 MA's), (Start: 191 @20519 has 1 MA's), (199, 20534), (216, 20567), (233, 20588), (Start: 239 @20603 has 1 MA's), (297, 20690), (303, 20702), (304, 20705), (349, 20780), (361, 20795), (379, 20831), (470, 21038), (516, 21152), (528, 21191), (560, 21278), (616, 21392), (623, 21416), (629, 21434), (675, 21515), (701, 21590), (708, 21608), (717, 21641), (720, 21647), (739, 21686), (777, 21740), (779, 21743), (791, 21764), (810, 21821), (865, 21989), (905, 22094), (907, 22100), (959, 22235),

Gene: MissDaisy_24 Start: 18385, Stop: 20172, Start Num: 143

Candidate Starts for MissDaisy_24:

(Start: 121 @18349 has 1 MA's), (Start: 138 @18379 has 25 MA's), (Start: 143 @18385 has 53 MA's), (Start: 145 @18388 has 749 MA's), (Start: 193 @18442 has 1 MA's), (222, 18490), (Start: 239 @18529 has 1 MA's), (244, 18544), (251, 18562), (261, 18595), (276, 18625), (298, 18670), (304, 18688), (338, 18760), (341, 18766), (357, 18796), (395, 18862), (404, 18874), (456, 19009), (486, 19057), (488, 19063), (493, 19081), (508, 19111), (520, 19150), (586, 19276), (612, 19336), (613, 19339), (620, 19357), (623, 19372), (693, 19540), (710, 19594), (754, 19639), (781, 19684), (797, 19708), (808, 19741), (820, 19774), (823, 19783), (841, 19846), (845, 19858), (862, 19909), (865, 19915), (914, 20017), (960, 20143), (971, 20164),

Gene: MissRona_21 Start: 16962, Stop: 18611, Start Num: 220

Candidate Starts for MissRona_21:

(196, 16926), (Start: 220 @16962 has 45 MA's), (Start: 228 @16971 has 2 MA's), (261, 17067), (295, 17145), (324, 17217), (337, 17244), (355, 17283), (404, 17364), (423, 17418), (510, 17604), (520, 17634), (585, 17733), (620, 17817), (626, 17841), (658, 17892), (695, 17985), (700, 17997), (738, 18042), (747, 18057), (809, 18189), (810, 18192), (841, 18291), (847, 18309), (865, 18360), (888, 18420), (890, 18426), (935, 18501),

Gene: MissWhite_28 Start: 19278, Stop: 21071, Start Num: 145

Candidate Starts for MissWhite_28:

(103, 19212), (Start: 128 @19254 has 10 MA's), (Start: 145 @19278 has 749 MA's), (216, 19377), (240, 19416), (303, 19512), (304, 19515), (347, 19587), (349, 19590), (361, 19605), (381, 19644), (385, 19650), (434, 19761), (436, 19767), (470, 19848), (493, 19905), (504, 19929), (507, 19932), (551, 20058), (562, 20094), (616, 20202), (629, 20244), (668, 20310), (675, 20325), (756, 20523), (779, 20556), (783, 20565), (795, 20589), (802, 20604), (808, 20628), (832, 20703), (836, 20718), (905, 20907), (907, 20913), (928, 20958),

Gene: MisterCuddles_16 Start: 14774, Stop: 16483, Start Num: 132

Candidate Starts for MisterCuddles_16:

(Start: 132 @14774 has 199 MA's), (198, 14861), (Start: 228 @14906 has 2 MA's), (237, 14930), (277, 15035), (282, 15041), (290, 15059), (301, 15089), (349, 15194), (379, 15248), (383, 15254), (389, 15263), (398, 15275), (404, 15284), (415, 15308), (425, 15344), (427, 15350), (431, 15362), (438, 15383), (439, 15386), (442, 15395), (459, 15410), (467, 15416), (481, 15434), (486, 15449), (488, 15455), (493, 15473), (494, 15476), (501, 15491), (509, 15506), (510, 15512), (520, 15542), (523, 15560), (530, 15572), (531, 15578), (586, 15638), (590, 15650), (606, 15686), (612, 15698), (620, 15719), (644, 15773), (647, 15782), (659, 15806), (671, 15836), (755, 15941), (764, 15953), (785, 15989), (803, 16028), (813, 16067), (844, 16166), (851, 16187), (862, 16220), (877, 16250), (886, 16280), (889, 16289), (891, 16295), (905, 16310), (906, 16313), (914, 16334), (916, 16337), (940, 16379), (947, 16409), (959, 16451), (960, 16457),

Gene: Mitti_24 Start: 18546, Stop: 20333, Start Num: 145

Candidate Starts for Mitti_24:

(Start: 121 @18507 has 1 MA's), (Start: 138 @18537 has 25 MA's), (Start: 143 @18543 has 53 MA's), (Start: 145 @18546 has 749 MA's), (Start: 193 @18603 has 1 MA's), (222, 18651), (Start: 239

@18690 has 1 MA's), (244, 18705), (251, 18723), (261, 18756), (276, 18786), (298, 18831), (304, 18849), (338, 18921), (341, 18927), (357, 18957), (395, 19023), (404, 19035), (456, 19170), (486, 19218), (488, 19224), (493, 19242), (508, 19272), (520, 19311), (586, 19437), (612, 19497), (613, 19500), (620, 19518), (623, 19533), (693, 19701), (710, 19755), (754, 19800), (781, 19845), (797, 19869), (808, 19902), (820, 19935), (841, 20007), (845, 20019), (862, 20070), (865, 20076), (914, 20178), (960, 20304), (971, 20325),

Gene: MkaliMitinis3_18 Start: 16989, Stop: 18722, Start Num: 165

Candidate Starts for MkaliMitinis3_18:

(Start: 165 @16989 has 28 MA's), (205, 17058), (274, 17199), (276, 17202), (306, 17247), (326, 17280), (329, 17289), (350, 17325), (379, 17379), (397, 17406), (405, 17418), (423, 17469), (425, 17475), (436, 17508), (500, 17661), (510, 17685), (512, 17694), (527, 17739), (533, 17754), (583, 17832), (626, 17952), (657, 18015), (691, 18087), (703, 18123), (783, 18243), (787, 18249), (794, 18261), (826, 18324), (854, 18411), (862, 18438), (890, 18507), (897, 18522), (905, 18534), (912, 18558), (944, 18636),

Gene: Mocha12_17 Start: 14758, Stop: 16467, Start Num: 269

Candidate Starts for Mocha12_17:

(Start: 269 @14758 has 31 MA's), (324, 14875), (405, 15025), (424, 15064), (429, 15079), (452, 15148), (459, 15160), (489, 15238), (490, 15241), (532, 15373), (547, 15427), (581, 15508), (605, 15568), (608, 15574), (610, 15580), (649, 15661), (671, 15697), (688, 15733), (694, 15751), (707, 15790), (731, 15862), (745, 15886), (841, 16120), (846, 16135), (860, 16177), (893, 16270), (894, 16273), (918, 16321), (932, 16351),

Gene: ModicumRichard_19 Start: 16548, Stop: 18212, Start Num: 157

Candidate Starts for ModicumRichard_19:

(Start: 143 @16533 has 53 MA's), (Start: 157 @16548 has 12 MA's), (Start: 162 @16554 has 3 MA's), (178, 16584), (185, 16593), (329, 16827), (349, 16860), (377, 16908), (419, 16983), (433, 17028), (470, 17118), (481, 17133), (500, 17187), (504, 17196), (516, 17229), (525, 17262), (528, 17268), (647, 17502), (657, 17514), (674, 17541), (685, 17574), (698, 17613), (701, 17622), (729, 17694), (762, 17709), (779, 17733), (802, 17781), (840, 17868), (847, 17889), (871, 17955), (894, 18021), (912, 18069), (951, 18159), (966, 18207),

Gene: Modragons_16 Start: 15041, Stop: 16750, Start Num: 132

Candidate Starts for Modragons_16:

(Start: 132 @15041 has 199 MA's), (198, 15128), (210, 15149), (Start: 228 @15173 has 2 MA's), (237, 15197), (244, 15218), (277, 15302), (282, 15308), (290, 15326), (301, 15356), (349, 15461), (379, 15515), (383, 15521), (395, 15539), (398, 15542), (404, 15551), (415, 15575), (438, 15650), (442, 15662), (459, 15677), (467, 15683), (481, 15701), (486, 15716), (488, 15722), (496, 15749), (501, 15758), (509, 15773), (510, 15779), (523, 15827), (530, 15839), (531, 15845), (586, 15905), (590, 15917), (606, 15953), (612, 15965), (620, 15986), (644, 16040), (647, 16049), (656, 16067), (659, 16073), (671, 16103), (755, 16208), (761, 16217), (764, 16220), (785, 16256), (803, 16295), (813, 16334), (851, 16454), (862, 16487), (877, 16517), (886, 16547), (889, 16556), (891, 16562), (905, 16577), (906, 16580), (914, 16601), (916, 16604), (938, 16640), (940, 16646), (947, 16676), (959, 16718),

Gene: Moldemort_25 Start: 19488, Stop: 21167, Start Num: 137

Candidate Starts for Moldemort_25:

(Start: 137 @19488 has 84 MA's), (Start: 197 @19572 has 47 MA's), (Start: 239 @19650 has 1 MA's), (272, 19737), (282, 19752), (301, 19800), (315, 19839), (363, 19926), (380, 19959), (404, 19995), (417, 20025), (418, 20031), (441, 20100), (483, 20130), (487, 20142), (488, 20145), (510, 20202), (587, 20334), (589, 20340), (617, 20406), (620, 20412), (626, 20436), (647, 20484), (659, 20508), (665, 20517), (695, 20592), (761, 20643), (772, 20658), (833, 20820), (841, 20847), (851, 20877),

(890, 20982), (938, 21060), (947, 21096), (950, 21105), (959, 21138), (965, 21153),

Gene: Molly_28 Start: 20868, Stop: 22670, Start Num: 148

Candidate Starts for Molly_28:

(Start: 148 @20868 has 202 MA's), (Start: 166 @20889 has 28 MA's), (Start: 191 @20931 has 1 MA's), (215, 20976), (349, 21192), (376, 21237), (381, 21246), (407, 21285), (425, 21336), (426, 21339), (507, 21534), (528, 21603), (616, 21804), (617, 21807), (623, 21828), (674, 21924), (675, 21927), (677, 21933), (701, 22002), (708, 22020), (710, 22029), (720, 22059), (779, 22155), (795, 22188), (802, 22203), (845, 22344), (865, 22401), (907, 22512),

Gene: Mollymur_31 Start: 28168, Stop: 30066, Start Num: 153

Candidate Starts for Mollymur_31:

(Start: 153 @28168 has 1 MA's), (Start: 156 @28171 has 4 MA's), (169, 28189), (Start: 193 @28228 has 1 MA's), (321, 28531), (351, 28588), (378, 28636), (421, 28720), (453, 28858), (454, 28864), (465, 28930), (510, 29062), (511, 29068), (622, 29287), (623, 29290), (675, 29410), (695, 29470), (761, 29521), (772, 29536), (841, 29722), (845, 29734), (865, 29791), (967, 30034), (972, 30058),

Gene: Monet_29 Start: 22353, Stop: 24155, Start Num: 148

Candidate Starts for Monet_29:

(Start: 148 @22353 has 202 MA's), (Start: 166 @22374 has 28 MA's), (Start: 191 @22416 has 1 MA's), (215, 22461), (349, 22677), (376, 22722), (381, 22731), (407, 22770), (425, 22821), (426, 22824), (463, 22917), (507, 23019), (528, 23088), (616, 23289), (617, 23292), (623, 23313), (674, 23409), (675, 23412), (677, 23418), (701, 23487), (708, 23505), (710, 23514), (720, 23544), (779, 23640), (795, 23673), (802, 23688), (845, 23829), (865, 23886), (907, 23997),

Gene: MoneyMay_29 Start: 20378, Stop: 22174, Start Num: 145

Candidate Starts for MoneyMay_29:

(Start: 145 @20378 has 749 MA's), (Start: 191 @20435 has 1 MA's), (199, 20450), (216, 20483), (233, 20504), (Start: 239 @20519 has 1 MA's), (297, 20606), (303, 20618), (304, 20621), (349, 20696), (361, 20711), (379, 20747), (470, 20954), (516, 21068), (528, 21107), (560, 21194), (616, 21308), (623, 21332), (629, 21350), (675, 21431), (701, 21506), (708, 21524), (717, 21557), (720, 21563), (739, 21602), (777, 21656), (779, 21659), (791, 21680), (810, 21737), (865, 21905), (905, 22010), (907, 22016), (959, 22151),

Gene: MooMoo_16 Start: 14544, Stop: 16277, Start Num: 136

Candidate Starts for MooMoo_16:

(117, 14511), (119, 14514), (Start: 136 @14544 has 1 MA's), (210, 14646), (245, 14718), (254, 14742), (404, 15048), (431, 15126), (481, 15198), (486, 15213), (488, 15219), (489, 15222), (503, 15258), (510, 15276), (523, 15324), (530, 15336), (617, 15477), (644, 15537), (647, 15546), (659, 15570), (669, 15594), (670, 15597), (671, 15600), (687, 15633), (777, 15738), (824, 15861), (826, 15870), (841, 15921), (844, 15930), (865, 15990), (880, 16032), (884, 16044), (904, 16101), (905, 16104), (936, 16164),

Gene: Moonbeam_17 Start: 15298, Stop: 17007, Start Num: 132

Candidate Starts for Moonbeam_17:

(Start: 132 @15298 has 199 MA's), (198, 15385), (Start: 228 @15430 has 2 MA's), (237, 15454), (277, 15559), (282, 15565), (290, 15583), (301, 15613), (349, 15718), (383, 15778), (398, 15799), (404, 15808), (415, 15832), (481, 15958), (486, 15973), (488, 15979), (501, 16015), (503, 16018), (509, 16030), (510, 16036), (523, 16084), (530, 16096), (531, 16102), (586, 16162), (590, 16174), (606, 16210), (612, 16222), (644, 16297), (647, 16306), (656, 16324), (659, 16330), (671, 16360), (755, 16465), (761, 16474), (764, 16477), (785, 16513), (813, 16591), (844, 16690), (851, 16711), (862, 16744), (877, 16774), (886, 16804), (889, 16813), (891, 16819), (905, 16834), (906, 16837), (916, 16861), (935, 16891), (940, 16903), (947, 16933), (959, 16975),

Gene: MoontowerMania_34 Start: 30587, Stop: 32350, Start Num: 107

Candidate Starts for MoontowerMania_34:

(100, 30569), (Start: 107 @30587 has 72 MA's), (Start: 126 @30623 has 1 MA's), (216, 30761), (259, 30857), (265, 30866), (319, 30935), (349, 30986), (376, 31031), (385, 31046), (425, 31127), (440, 31172), (443, 31181), (487, 31271), (495, 31301), (503, 31316), (510, 31340), (520, 31370), (586, 31475), (629, 31592), (644, 31610), (649, 31625), (668, 31655), (674, 31667), (675, 31670), (686, 31697), (845, 32021), (846, 32024), (862, 32072), (875, 32099), (884, 32126), (905, 32180), (913, 32207), (961, 32336),

Gene: Moose_26 Start: 21094, Stop: 22896, Start Num: 148

Candidate Starts for Moose_26:

(Start: 148 @21094 has 202 MA's), (Start: 166 @21115 has 28 MA's), (Start: 191 @21157 has 1 MA's), (215, 21202), (349, 21418), (376, 21463), (381, 21472), (407, 21511), (425, 21562), (426, 21565), (507, 21760), (528, 21829), (616, 22030), (617, 22033), (623, 22054), (674, 22150), (675, 22153), (677, 22159), (701, 22228), (708, 22246), (710, 22255), (720, 22285), (779, 22381), (795, 22414), (802, 22429), (810, 22459), (845, 22570), (865, 22627), (907, 22738),

Gene: Moosehead_17 Start: 14663, Stop: 16372, Start Num: 269

Candidate Starts for Moosehead_17:

(208, 14528), (217, 14543), (Start: 269 @14663 has 31 MA's), (293, 14705), (324, 14780), (359, 14852), (361, 14855), (405, 14930), (443, 15026), (452, 15053), (459, 15065), (489, 15143), (490, 15146), (505, 15191), (547, 15332), (581, 15413), (605, 15473), (608, 15479), (628, 15521), (671, 15602), (677, 15614), (688, 15638), (694, 15656), (697, 15671), (707, 15695), (745, 15791), (748, 15794), (841, 16025), (846, 16040), (893, 16175), (894, 16178), (918, 16226), (932, 16256), (943, 16292),

Gene: Moostard_19 Start: 17376, Stop: 19139, Start Num: 130

Candidate Starts for Moostard_19:

(Start: 130 @17376 has 38 MA's), (155, 17403), (194, 17466), (Start: 220 @17514 has 45 MA's), (225, 17520), (248, 17556), (276, 17631), (297, 17655), (301, 17661), (329, 17718), (397, 17832), (405, 17844), (443, 17955), (507, 18099), (510, 18111), (521, 18144), (523, 18159), (616, 18333), (619, 18339), (638, 18396), (661, 18438), (669, 18447), (675, 18459), (701, 18534), (729, 18603), (732, 18615), (787, 18663), (824, 18729), (847, 18807), (862, 18852), (886, 18909), (912, 18972), (930, 19008), (936, 19023), (944, 19053), (946, 19059), (950, 19071), (952, 19080), (956, 19092),

Gene: Morgana_19 Start: 16541, Stop: 18205, Start Num: 157

Candidate Starts for Morgana_19:

(82, 16391), (Start: 126 @16502 has 1 MA's), (Start: 143 @16526 has 53 MA's), (Start: 157 @16541 has 12 MA's), (Start: 162 @16547 has 3 MA's), (178, 16577), (185, 16586), (329, 16820), (349, 16853), (377, 16901), (419, 16976), (425, 16997), (433, 17021), (436, 17030), (445, 17057), (481, 17126), (500, 17180), (504, 17189), (516, 17222), (525, 17255), (528, 17261), (657, 17507), (674, 17534), (685, 17567), (698, 17606), (701, 17615), (729, 17687), (762, 17702), (779, 17726), (802, 17774), (840, 17861), (847, 17882), (871, 17948), (894, 18014), (912, 18062), (951, 18152),

Gene: Mori_56 Start: 33516, Stop: 35252, Start Num: 118

Candidate Starts for Mori_56:

(Start: 113 @33507 has 2 MA's), (Start: 118 @33516 has 26 MA's), (180, 33606), (244, 33723), (256, 33759), (265, 33780), (277, 33807), (282, 33813), (295, 33843), (303, 33867), (328, 33918), (404, 34056), (408, 34062), (424, 34113), (425, 34116), (431, 34134), (481, 34185), (488, 34206), (489, 34209), (509, 34257), (510, 34263), (523, 34311), (527, 34317), (530, 34323), (575, 34383), (586, 34407), (587, 34410), (606, 34455), (613, 34470), (616, 34479), (620, 34488), (636, 34533), (647, 34551), (665, 34584), (764, 34722), (777, 34743), (806, 34809), (814, 34839), (830, 34893), (844,

34935), (851, 34956), (858, 34977), (862, 34989), (872, 35010), (891, 35064), (938, 35142), (947, 35178), (953, 35199), (960, 35226),

Gene: Morkie_18 Start: 15153, Stop: 16865, Start Num: 145

Candidate Starts for Morkie_18:

(Start: 145 @15153 has 749 MA's), (Start: 156 @15165 has 4 MA's), (186, 15207), (243, 15309), (285, 15381), (329, 15462), (361, 15513), (376, 15546), (403, 15588), (407, 15594), (423, 15642), (440, 15693), (451, 15729), (479, 15771), (487, 15792), (489, 15798), (495, 15822), (516, 15873), (517, 15876), (525, 15906), (686, 16218), (708, 16284), (716, 16314), (787, 16407), (796, 16428), (802, 16440), (804, 16446), (805, 16452), (807, 16458), (835, 16512), (845, 16542), (870, 16611), (905, 16698), (907, 16704), (915, 16728), (934, 16755),

Gene: Morpher26_27 Start: 19826, Stop: 21625, Start Num: 145

Candidate Starts for Morpher26_27:

(Start: 128 @19802 has 10 MA's), (Start: 145 @19826 has 749 MA's), (Start: 191 @19886 has 1 MA's), (233, 19955), (261, 20033), (297, 20057), (303, 20069), (304, 20072), (328, 20108), (349, 20147), (381, 20201), (426, 20294), (434, 20318), (470, 20405), (516, 20519), (528, 20558), (560, 20645), (587, 20690), (616, 20759), (623, 20783), (627, 20795), (675, 20882), (701, 20957), (708, 20975), (710, 20984), (717, 21008), (720, 21014), (729, 21029), (749, 21062), (777, 21107), (779, 21110), (791, 21131), (865, 21356), (894, 21434), (905, 21461), (907, 21467), (959, 21602),

Gene: Morrissey_19 Start: 16044, Stop: 17648, Start Num: 192

Candidate Starts for Morrissey_19:

(Start: 184 @16032 has 11 MA's), (Start: 192 @16044 has 10 MA's), (208, 16077), (237, 16131), (308, 16308), (404, 16482), (457, 16599), (489, 16638), (507, 16680), (530, 16752), (542, 16785), (590, 16839), (609, 16878), (616, 16899), (669, 17016), (691, 17058), (695, 17076), (700, 17088), (755, 17118), (802, 17202), (806, 17217), (808, 17226), (824, 17274), (907, 17484), (951, 17592),

Gene: Morrow_27 Start: 19830, Stop: 21608, Start Num: 145

Candidate Starts for Morrow_27:

(Start: 128 @19806 has 10 MA's), (Start: 145 @19830 has 749 MA's), (Start: 191 @19887 has 1 MA's), (Start: 220 @19941 has 45 MA's), (233, 19956), (240, 19974), (297, 20058), (303, 20070), (304, 20073), (349, 20148), (361, 20163), (381, 20202), (434, 20319), (470, 20406), (504, 20487), (521, 20535), (528, 20559), (560, 20646), (587, 20691), (617, 20763), (623, 20784), (629, 20802), (675, 20883), (708, 20976), (710, 20985), (717, 21009), (720, 21015), (731, 21039), (779, 21093), (791, 21114), (808, 21165), (815, 21189), (833, 21243), (865, 21339), (905, 21444), (909, 21459), (954, 21567), (959, 21585),

Gene: MortyNRick_19 Start: 16293, Stop: 18002, Start Num: 145

Candidate Starts for MortyNRick_19:

(Start: 145 @16293 has 749 MA's), (Start: 156 @16305 has 4 MA's), (158, 16308), (Start: 220 @16410 has 45 MA's), (241, 16446), (265, 16512), (361, 16656), (365, 16665), (376, 16683), (403, 16725), (407, 16731), (417, 16755), (423, 16779), (440, 16830), (442, 16836), (451, 16866), (479, 16908), (487, 16929), (489, 16935), (495, 16959), (516, 17010), (517, 17013), (525, 17043), (612, 17193), (623, 17229), (686, 17355), (708, 17421), (710, 17430), (713, 17442), (716, 17451), (787, 17544), (796, 17565), (802, 17577), (804, 17583), (805, 17589), (807, 17595), (835, 17649), (845, 17679), (870, 17748), (905, 17835), (907, 17841), (934, 17892), (959, 17979), (966, 17997),

Gene: MosMoris_48 Start: 26580, Stop: 28292, Start Num: 166

Candidate Starts for MosMoris_48:

(120, 26517), (Start: 166 @26580 has 28 MA's), (211, 26661), (246, 26718), (276, 26799), (281, 26805), (317, 26862), (323, 26874), (329, 26886), (352, 26925), (363, 26940), (403, 27009), (423, 27063), (426, 27072), (491, 27228), (510, 27276), (512, 27285), (516, 27294), (528, 27333), (535,

27348), (583, 27411), (587, 27423), (629, 27540), (631, 27543), (657, 27594), (673, 27621), (675, 27624), (682, 27645), (698, 27687), (777, 27807), (787, 27825), (847, 27969), (862, 28014), (871, 28032), (904, 28116), (907, 28125), (912, 28143), (925, 28164), (944, 28209), (946, 28215), (950, 28227), (953, 28239), (959, 28260), (965, 28275), (969, 28281),

Gene: Mosby_23 Start: 19337, Stop: 20932, Start Num: 197

Candidate Starts for Mosby_23:

(Start: 137 @19253 has 84 MA's), (Start: 197 @19337 has 47 MA's), (Start: 239 @19415 has 1 MA's), (272, 19502), (282, 19517), (301, 19565), (315, 19604), (363, 19691), (380, 19724), (404, 19760), (417, 19790), (418, 19796), (441, 19865), (483, 19895), (487, 19907), (488, 19910), (510, 19967), (587, 20099), (589, 20105), (617, 20171), (620, 20177), (626, 20201), (647, 20249), (659, 20273), (665, 20282), (695, 20357), (761, 20408), (772, 20423), (833, 20585), (841, 20612), (851, 20642), (890, 20747), (938, 20825), (947, 20861), (950, 20870), (959, 20903), (965, 20918),

Gene: Mova_17 Start: 14657, Stop: 16366, Start Num: 132

Candidate Starts for Mova_17:

(Start: 132 @14657 has 199 MA's), (198, 14744), (Start: 228 @14789 has 2 MA's), (237, 14813), (277, 14918), (282, 14924), (290, 14942), (301, 14972), (349, 15077), (383, 15137), (398, 15158), (404, 15167), (415, 15191), (438, 15266), (481, 15317), (486, 15332), (488, 15338), (501, 15374), (503, 15377), (509, 15389), (510, 15395), (523, 15443), (530, 15455), (531, 15461), (586, 15521), (590, 15533), (606, 15569), (612, 15581), (644, 15656), (647, 15665), (656, 15683), (659, 15689), (671, 15719), (755, 15824), (761, 15833), (764, 15836), (785, 15872), (813, 15950), (844, 16049), (851, 16070), (862, 16103), (877, 16133), (886, 16163), (889, 16172), (891, 16178), (905, 16193), (906, 16196), (916, 16220), (935, 16250), (940, 16262), (947, 16292), (959, 16334),

Gene: Mowgli_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Mowgli_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Mozy_17 Start: 14705, Stop: 16414, Start Num: 132

Candidate Starts for Mozy_17:

(Start: 132 @14705 has 199 MA's), (210, 14813), (Start: 228 @14837 has 2 MA's), (237, 14861), (244, 14882), (256, 14918), (263, 14936), (265, 14939), (282, 14972), (290, 14990), (301, 15020), (349, 15125), (383, 15185), (398, 15206), (404, 15215), (415, 15239), (427, 15281), (438, 15314), (467, 15347), (481, 15365), (486, 15380), (488, 15386), (501, 15422), (503, 15425), (509, 15437), (510, 15443), (520, 15473), (523, 15491), (530, 15503), (531, 15509), (586, 15569), (606, 15617), (612, 15629), (644, 15704), (647, 15713), (659, 15737), (671, 15767), (755, 15872), (764, 15884), (785, 15920), (803, 15959), (813, 15998), (851, 16118), (862, 16151), (877, 16181), (886, 16211), (888, 16217), (889, 16220), (891, 16226), (905, 16241), (906, 16244), (914, 16265), (916, 16268), (940, 16310), (947, 16340), (959, 16382),

Gene: MrGordo_27 Start: 20817, Stop: 22619, Start Num: 148

Candidate Starts for MrGordo_27:

(Start: 148 @20817 has 202 MA's), (Start: 166 @20838 has 28 MA's), (Start: 191 @20880 has 1 MA's), (215, 20925), (349, 21141), (376, 21186), (381, 21195), (407, 21234), (425, 21285), (426, 21288), (507, 21483), (528, 21552), (616, 21753), (617, 21756), (623, 21777), (674, 21873), (675, 21876), (677, 21882), (708, 21969), (720, 22008), (779, 22104), (795, 22137), (802, 22152), (845,

22293), (865, 22350), (907, 22461),

Gene: MrMagoo_32 Start: 22870, Stop: 24651, Start Num: 115

Candidate Starts for MrMagoo_32:

(Start: 115 @22870 has 3 MA's), (Start: 124 @22885 has 2 MA's), (Start: 147 @22912 has 14 MA's), (202, 22990), (205, 22996), (215, 23014), (303, 23176), (306, 23185), (315, 23200), (366, 23287), (372, 23299), (376, 23308), (423, 23404), (427, 23416), (437, 23446), (438, 23449), (448, 23482), (504, 23611), (510, 23626), (516, 23644), (523, 23674), (609, 23836), (612, 23845), (616, 23857), (619, 23863), (661, 23962), (669, 23971), (674, 23980), (698, 24049), (757, 24142), (783, 24181), (787, 24187), (793, 24196), (936, 24541), (944, 24568), (946, 24574), (959, 24619),

Gene: Mryolo_26 Start: 20854, Stop: 22656, Start Num: 148

Candidate Starts for Mryolo_26:

(Start: 148 @20854 has 202 MA's), (Start: 166 @20875 has 28 MA's), (Start: 191 @20917 has 1 MA's), (215, 20962), (349, 21178), (376, 21223), (381, 21232), (407, 21271), (425, 21322), (426, 21325), (507, 21520), (528, 21589), (616, 21790), (617, 21793), (623, 21814), (674, 21910), (675, 21913), (677, 21919), (701, 21988), (708, 22006), (710, 22015), (720, 22045), (779, 22141), (795, 22174), (802, 22189), (845, 22330), (865, 22387), (907, 22498),

Gene: Ms6_16 Start: 14816, Stop: 16525, Start Num: 132

Candidate Starts for Ms6_16:

(Start: 132 @14816 has 199 MA's), (198, 14903), (Start: 228 @14948 has 2 MA's), (237, 14972), (277, 15077), (282, 15083), (290, 15101), (301, 15131), (349, 15236), (383, 15296), (398, 15317), (404, 15326), (415, 15350), (481, 15476), (486, 15491), (488, 15497), (501, 15533), (503, 15536), (509, 15548), (510, 15554), (523, 15602), (530, 15614), (531, 15620), (586, 15680), (590, 15692), (606, 15728), (612, 15740), (644, 15815), (647, 15824), (656, 15842), (659, 15848), (671, 15878), (755, 15983), (761, 15992), (764, 15995), (785, 16031), (813, 16109), (844, 16208), (851, 16229), (862, 16262), (877, 16292), (886, 16322), (889, 16331), (891, 16337), (905, 16352), (906, 16355), (916, 16379), (935, 16409), (940, 16421), (947, 16451), (959, 16493),

Gene: MsGreen_19 Start: 17373, Stop: 19136, Start Num: 130

Candidate Starts for MsGreen_19:

(Start: 130 @17373 has 38 MA's), (155, 17400), (194, 17463), (Start: 220 @17511 has 45 MA's), (225, 17517), (248, 17553), (276, 17628), (297, 17652), (301, 17658), (329, 17715), (397, 17829), (405, 17841), (443, 17952), (507, 18096), (510, 18108), (521, 18141), (616, 18330), (619, 18336), (638, 18393), (661, 18435), (669, 18444), (675, 18456), (701, 18531), (729, 18600), (732, 18612), (787, 18660), (824, 18726), (847, 18804), (862, 18849), (886, 18906), (912, 18969), (930, 19005), (936, 19020), (944, 19050), (946, 19056), (950, 19068), (952, 19077), (956, 19089),

Gene: MuchMore_31 Start: 20371, Stop: 22167, Start Num: 145

Candidate Starts for MuchMore_31:

(Start: 145 @20371 has 749 MA's), (Start: 191 @20428 has 1 MA's), (199, 20443), (216, 20476), (233, 20497), (Start: 239 @20512 has 1 MA's), (297, 20599), (303, 20611), (304, 20614), (349, 20689), (361, 20704), (379, 20740), (470, 20947), (516, 21061), (528, 21100), (560, 21187), (616, 21301), (623, 21325), (629, 21343), (675, 21424), (701, 21499), (708, 21517), (717, 21550), (720, 21556), (739, 21595), (777, 21649), (779, 21652), (791, 21673), (810, 21730), (865, 21898), (905, 22003), (907, 22009), (959, 22144),

Gene: Muddy_21 Start: 16213, Stop: 18063, Start Num: 116

Candidate Starts for Muddy_21:

(100, 16177), (Start: 116 @16213 has 4 MA's), (Start: 170 @16291 has 1 MA's), (204, 16351), (Start: 239 @16417 has 1 MA's), (256, 16468), (261, 16483), (263, 16486), (417, 16792), (434, 16849), (437, 16858), (456, 16897), (458, 16900), (481, 16963), (488, 16984), (511, 17047), (514, 17056), (520,

17071), (527, 17095), (589, 17206), (606, 17245), (615, 17266), (626, 17302), (627, 17305), (652, 17347), (663, 17362), (666, 17368), (824, 17677), (826, 17686), (828, 17692), (832, 17704), (841, 17734), (849, 17758), (895, 17878), (932, 17935), (958, 18022), (960, 18031),

Gene: Mufasa_19 Start: 15033, Stop: 16802, Start Num: 143

Candidate Starts for Mufasa_19:

(Start: 121 @14997 has 1 MA's), (Start: 138 @15027 has 25 MA's), (Start: 143 @15033 has 53 MA's), (Start: 166 @15048 has 28 MA's), (Start: 193 @15090 has 1 MA's), (222, 15138), (Start: 239 @15177 has 1 MA's), (244, 15192), (261, 15243), (276, 15273), (291, 15306), (298, 15318), (304, 15336), (338, 15408), (341, 15414), (395, 15510), (404, 15522), (437, 15618), (488, 15711), (493, 15729), (504, 15753), (508, 15759), (520, 15798), (527, 15822), (531, 15834), (586, 15924), (589, 15933), (613, 15987), (622, 16017), (674, 16128), (693, 16179), (758, 16287), (820, 16401), (823, 16410), (845, 16485), (862, 16536), (865, 16542), (909, 16638), (939, 16692), (960, 16773), (971, 16794),

Gene: Mulch_22 Start: 17344, Stop: 19050, Start Num: 187

Candidate Starts for Mulch_22:

(131, 17269), (Start: 187 @17344 has 15 MA's), (Start: 239 @17437 has 1 MA's), (244, 17452), (246, 17458), (275, 17533), (305, 17605), (359, 17716), (384, 17761), (395, 17779), (404, 17791), (486, 17962), (489, 17971), (491, 17977), (504, 18010), (523, 18073), (542, 18124), (564, 18148), (585, 18172), (616, 18247), (628, 18286), (691, 18418), (758, 18532), (808, 18619), (844, 18733), (847, 18742), (886, 18847), (936, 18934), (971, 19042),

Gene: MulchSalad_16 Start: 14726, Stop: 16435, Start Num: 132

Candidate Starts for MulchSalad_16:

(Start: 132 @14726 has 199 MA's), (198, 14813), (210, 14834), (Start: 228 @14858 has 2 MA's), (237, 14882), (277, 14987), (282, 14993), (290, 15011), (294, 15020), (301, 15041), (349, 15146), (379, 15200), (383, 15206), (398, 15227), (404, 15236), (415, 15260), (481, 15386), (486, 15401), (488, 15407), (494, 15428), (501, 15443), (503, 15446), (509, 15458), (510, 15464), (523, 15512), (530, 15524), (531, 15530), (586, 15590), (590, 15602), (606, 15638), (612, 15650), (644, 15725), (647, 15734), (656, 15752), (659, 15758), (671, 15788), (755, 15893), (761, 15902), (764, 15905), (785, 15941), (813, 16019), (844, 16118), (851, 16139), (862, 16172), (877, 16202), (886, 16232), (889, 16241), (891, 16247), (905, 16262), (906, 16265), (914, 16286), (916, 16289), (940, 16331), (959, 16403),

Gene: Mulciber_28 Start: 20749, Stop: 22548, Start Num: 145

Candidate Starts for Mulciber_28:

(103, 20683), (Start: 128 @20725 has 10 MA's), (Start: 145 @20749 has 749 MA's), (185, 20791), (240, 20887), (246, 20902), (303, 20983), (304, 20986), (349, 21061), (361, 21076), (381, 21115), (385, 21121), (415, 21172), (434, 21232), (436, 21238), (470, 21319), (507, 21403), (551, 21529), (558, 21547), (574, 21574), (629, 21715), (668, 21781), (674, 21793), (675, 21796), (749, 21985), (765, 22012), (773, 22021), (783, 22042), (785, 22045), (795, 22066), (802, 22081), (808, 22105), (832, 22180), (836, 22195), (865, 22279), (905, 22384), (907, 22390), (935, 22444), (966, 22543),

Gene: Mule_27 Start: 21163, Stop: 22965, Start Num: 148

Candidate Starts for Mule_27:

(Start: 148 @21163 has 202 MA's), (Start: 166 @21184 has 28 MA's), (Start: 191 @21226 has 1 MA's), (215, 21271), (349, 21487), (376, 21532), (381, 21541), (407, 21580), (425, 21631), (426, 21634), (507, 21829), (528, 21898), (616, 22099), (617, 22102), (623, 22123), (674, 22219), (675, 22222), (677, 22228), (701, 22297), (708, 22315), (710, 22324), (720, 22354), (779, 22450), (795, 22483), (802, 22498), (845, 22639), (865, 22696), (907, 22807),

Gene: Munch_28 Start: 20755, Stop: 22554, Start Num: 145

Candidate Starts for Munch_28:

(103, 20689), (Start: 128 @20731 has 10 MA's), (Start: 145 @20755 has 749 MA's), (185, 20797), (240, 20893), (246, 20908), (303, 20989), (304, 20992), (349, 21067), (361, 21082), (381, 21121), (385, 21127), (415, 21178), (434, 21238), (436, 21244), (470, 21325), (507, 21409), (551, 21535), (558, 21553), (574, 21580), (629, 21721), (668, 21787), (674, 21799), (675, 21802), (749, 21991), (765, 22018), (773, 22027), (783, 22048), (785, 22051), (795, 22072), (802, 22087), (808, 22111), (832, 22186), (836, 22201), (865, 22285), (905, 22390), (907, 22396), (935, 22450), (966, 22549),

Gene: Mundrea_27 Start: 19791, Stop: 21590, Start Num: 145

Candidate Starts for Mundrea_27:

(Start: 128 @19767 has 10 MA's), (Start: 145 @19791 has 749 MA's), (Start: 150 @19797 has 25 MA's), (Start: 191 @19851 has 1 MA's), (233, 19920), (261, 19998), (297, 20022), (304, 20037), (349, 20112), (361, 20127), (381, 20166), (426, 20259), (434, 20283), (470, 20370), (516, 20484), (528, 20523), (560, 20610), (587, 20655), (616, 20724), (623, 20748), (627, 20760), (675, 20847), (701, 20922), (708, 20940), (710, 20949), (717, 20973), (720, 20979), (729, 20994), (749, 21027), (777, 21072), (779, 21075), (791, 21096), (865, 21321), (905, 21426), (907, 21432), (950, 21534), (959, 21567),

Gene: MunkgeeRoachy_19 Start: 15780, Stop: 17477, Start Num: 145

Candidate Starts for MunkgeeRoachy_19:

(Start: 135 @15777 has 8 MA's), (Start: 145 @15780 has 749 MA's), (263, 15990), (333, 16089), (349, 16113), (379, 16164), (423, 16251), (433, 16281), (438, 16296), (442, 16308), (481, 16386), (485, 16398), (493, 16425), (506, 16458), (516, 16491), (520, 16503), (535, 16545), (606, 16668), (632, 16740), (675, 16818), (680, 16833), (689, 16851), (708, 16908), (779, 17001), (796, 17037), (802, 17049), (804, 17055), (807, 17067), (818, 17076), (844, 17148), (845, 17151), (847, 17157), (851, 17169), (875, 17229), (890, 17274), (893, 17283), (907, 17316), (940, 17382),

Gene: Murai_57 Start: 33688, Stop: 35433, Start Num: 113

Candidate Starts for Murai_57:

(Start: 113 @33688 has 2 MA's), (Start: 118 @33697 has 26 MA's), (180, 33787), (244, 33904), (256, 33940), (265, 33961), (277, 33988), (282, 33994), (295, 34024), (303, 34048), (328, 34099), (404, 34237), (408, 34243), (424, 34294), (425, 34297), (431, 34315), (481, 34366), (488, 34387), (489, 34390), (509, 34438), (510, 34444), (523, 34492), (527, 34498), (530, 34504), (575, 34564), (586, 34588), (587, 34591), (606, 34636), (613, 34651), (616, 34660), (620, 34669), (636, 34714), (647, 34732), (665, 34765), (764, 34903), (777, 34924), (806, 34990), (814, 35020), (830, 35074), (844, 35116), (851, 35137), (858, 35158), (862, 35170), (872, 35191), (891, 35245), (938, 35323), (947, 35359), (953, 35380), (960, 35407),

Gene: Murica_23 Start: 19814, Stop: 21409, Start Num: 197

Candidate Starts for Murica_23:

(Start: 137 @19730 has 84 MA's), (Start: 197 @19814 has 47 MA's), (Start: 239 @19892 has 1 MA's), (272, 19979), (282, 19994), (301, 20042), (315, 20081), (363, 20168), (380, 20201), (404, 20237), (417, 20267), (418, 20273), (441, 20342), (483, 20372), (487, 20384), (488, 20387), (510, 20444), (587, 20576), (589, 20582), (617, 20648), (620, 20654), (626, 20678), (647, 20726), (659, 20750), (665, 20759), (695, 20834), (761, 20885), (772, 20900), (833, 21062), (841, 21089), (851, 21119), (890, 21224), (938, 21302), (947, 21338), (950, 21347), (959, 21380), (965, 21395),

Gene: Murp_19 Start: 16718, Stop: 18364, Start Num: 220

Candidate Starts for Murp_19:

(196, 16682), (Start: 220 @16718 has 45 MA's), (261, 16820), (295, 16898), (337, 16997), (355, 17036), (404, 17117), (423, 17171), (428, 17186), (439, 17219), (469, 17267), (470, 17270), (510, 17357), (520, 17387), (620, 17570), (626, 17594), (672, 17678), (695, 17738), (700, 17750), (747, 17810), (810, 17945), (841, 18044), (847, 18062), (865, 18113), (888, 18173), (890, 18179), (927, 18242), (935, 18254),

Gene: Murphy_25 Start: 19809, Stop: 21404, Start Num: 197

Candidate Starts for Murphy_25:

(Start: 137 @19725 has 84 MA's), (Start: 197 @19809 has 47 MA's), (Start: 239 @19887 has 1 MA's), (272, 19974), (282, 19989), (301, 20037), (315, 20076), (363, 20163), (380, 20196), (404, 20232), (417, 20262), (418, 20268), (441, 20337), (483, 20367), (487, 20379), (488, 20382), (510, 20439), (587, 20571), (589, 20577), (617, 20643), (620, 20649), (626, 20673), (647, 20721), (659, 20745), (665, 20754), (695, 20829), (761, 20880), (772, 20895), (833, 21057), (841, 21084), (851, 21114), (890, 21219), (938, 21297), (947, 21333), (950, 21342), (959, 21375), (965, 21390),

Gene: Murucutumbu_23 Start: 17106, Stop: 18872, Start Num: 145

Candidate Starts for Murucutumbu_23:

(Start: 145 @17106 has 749 MA's), (Start: 170 @17136 has 1 MA's), (251, 17295), (261, 17328), (276, 17358), (291, 17391), (298, 17403), (338, 17493), (357, 17529), (361, 17535), (404, 17607), (409, 17616), (422, 17655), (436, 17700), (443, 17721), (444, 17724), (488, 17796), (504, 17838), (508, 17844), (516, 17871), (527, 17907), (586, 18009), (593, 18027), (619, 18087), (628, 18117), (647, 18144), (693, 18249), (750, 18339), (797, 18408), (809, 18444), (820, 18474), (845, 18558), (862, 18609), (909, 18708), (938, 18759), (960, 18843), (961, 18846), (971, 18864),

Gene: Museum_29 Start: 21173, Stop: 22975, Start Num: 148

Candidate Starts for Museum_29:

(Start: 148 @21173 has 202 MA's), (Start: 166 @21194 has 28 MA's), (Start: 191 @21236 has 1 MA's), (215, 21281), (349, 21497), (376, 21542), (381, 21551), (407, 21590), (425, 21641), (426, 21644), (463, 21737), (507, 21839), (528, 21908), (616, 22109), (617, 22112), (623, 22133), (674, 22229), (675, 22232), (677, 22238), (701, 22307), (708, 22325), (710, 22334), (720, 22364), (779, 22460), (795, 22493), (802, 22508), (845, 22649), (865, 22706), (907, 22817),

Gene: Mutaforma13_16 Start: 14853, Stop: 16562, Start Num: 132

Candidate Starts for Mutaforma13_16:

(Start: 132 @14853 has 199 MA's), (198, 14940), (Start: 228 @14985 has 2 MA's), (237, 15009), (277, 15114), (282, 15120), (290, 15138), (301, 15168), (349, 15273), (383, 15333), (398, 15354), (404, 15363), (411, 15381), (415, 15387), (438, 15462), (439, 15465), (481, 15513), (486, 15528), (488, 15534), (501, 15570), (503, 15573), (509, 15585), (510, 15591), (523, 15639), (530, 15651), (531, 15657), (586, 15717), (590, 15729), (606, 15765), (612, 15777), (644, 15852), (647, 15861), (656, 15879), (659, 15885), (671, 15915), (755, 16020), (761, 16029), (764, 16032), (785, 16068), (813, 16146), (844, 16245), (851, 16266), (862, 16299), (877, 16329), (886, 16359), (889, 16368), (891, 16374), (905, 16389), (906, 16392), (916, 16416), (935, 16446), (940, 16458), (947, 16488), (959, 16530),

Gene: Mutzi_33 Start: 26290, Stop: 28056, Start Num: 107

Candidate Starts for Mutzi_33:

(90, 26248), (100, 26278), (Start: 107 @26290 has 72 MA's), (Start: 126 @26326 has 1 MA's), (Start: 150 @26359 has 25 MA's), (263, 26569), (265, 26572), (303, 26602), (333, 26668), (349, 26692), (356, 26701), (375, 26734), (427, 26839), (443, 26887), (448, 26905), (463, 26926), (487, 26977), (491, 26989), (495, 27007), (501, 27019), (506, 27031), (510, 27046), (520, 27076), (521, 27079), (527, 27100), (583, 27172), (602, 27220), (621, 27268), (623, 27280), (649, 27331), (669, 27364), (687, 27406), (710, 27478), (753, 27544), (759, 27556), (829, 27676), (845, 27727), (846, 27730), (862, 27778), (875, 27805), (877, 27808), (884, 27832), (905, 27886), (951, 28003), (957, 28024), (966, 28051),

Gene: Mynx_23 Start: 17171, Stop: 18937, Start Num: 145

Candidate Starts for Mynx_23:

(Start: 145 @17171 has 749 MA's), (Start: 170 @17201 has 1 MA's), (251, 17360), (261, 17393), (276, 17423), (291, 17456), (298, 17468), (338, 17558), (361, 17600), (404, 17672), (409, 17681), (422, 17720), (436, 17765), (443, 17786), (444, 17789), (482, 17843), (488, 17861), (504, 17903), (508, 17909), (516, 17936), (543, 18023), (586, 18074), (593, 18092), (612, 18134), (619, 18152), (628, 18182), (647, 18209), (693, 18314), (797, 18473), (809, 18509), (820, 18539), (823, 18548), (845, 18623), (862, 18674), (950, 18869), (960, 18908), (961, 18911), (971, 18929),

Gene: MyraDee_25 Start: 18055, Stop: 19854, Start Num: 148

Candidate Starts for MyraDee_25:

(Start: 128 @18028 has 10 MA's), (Start: 148 @18055 has 202 MA's), (201, 18136), (Start: 220 @18172 has 45 MA's), (240, 18205), (303, 18301), (304, 18304), (328, 18340), (349, 18379), (361, 18394), (425, 18523), (434, 18550), (445, 18583), (470, 18637), (516, 18751), (521, 18766), (555, 18853), (556, 18856), (587, 18919), (616, 18988), (629, 19030), (675, 19111), (701, 19186), (708, 19204), (717, 19237), (720, 19243), (729, 19258), (739, 19282), (779, 19339), (783, 19348), (795, 19372), (802, 19387), (845, 19528), (905, 19690), (907, 19696), (909, 19705), (961, 19840),

Gene: Myrale_24 Start: 19616, Stop: 21295, Start Num: 137

Candidate Starts for Myrale_24:

(Start: 137 @19616 has 84 MA's), (Start: 197 @19700 has 47 MA's), (Start: 239 @19778 has 1 MA's), (272, 19865), (282, 19880), (301, 19928), (315, 19967), (363, 20054), (380, 20087), (404, 20123), (417, 20153), (418, 20159), (441, 20228), (483, 20258), (487, 20270), (488, 20273), (510, 20330), (587, 20462), (589, 20468), (617, 20534), (620, 20540), (626, 20564), (647, 20612), (659, 20636), (665, 20645), (695, 20720), (761, 20771), (772, 20786), (833, 20948), (841, 20975), (851, 21005), (890, 21110), (938, 21188), (947, 21224), (950, 21233), (959, 21266), (965, 21281),

Gene: Myxus_30 Start: 21746, Stop: 23539, Start Num: 143

Candidate Starts for Myxus_30:

(Start: 143 @21746 has 53 MA's), (Start: 145 @21749 has 749 MA's), (303, 21983), (304, 21986), (347, 22058), (349, 22061), (361, 22076), (381, 22115), (385, 22121), (434, 22232), (470, 22319), (504, 22400), (507, 22403), (582, 22589), (609, 22652), (617, 22676), (620, 22682), (629, 22715), (675, 22796), (717, 22922), (737, 22964), (739, 22967), (779, 23024), (795, 23057), (802, 23072), (832, 23171), (833, 23174), (836, 23186), (865, 23270), (890, 23336), (905, 23375), (907, 23381), (928, 23426), (950, 23483), (951, 23486),

Gene: NEHalo_27 Start: 20911, Stop: 22713, Start Num: 148

Candidate Starts for NEHalo_27:

(Start: 148 @20911 has 202 MA's), (Start: 166 @20932 has 28 MA's), (Start: 191 @20974 has 1 MA's), (215, 21019), (349, 21235), (376, 21280), (381, 21289), (425, 21379), (426, 21382), (463, 21475), (507, 21577), (528, 21646), (616, 21847), (617, 21850), (623, 21871), (674, 21967), (675, 21970), (677, 21976), (701, 22045), (708, 22063), (710, 22072), (720, 22102), (779, 22198), (795, 22231), (802, 22246), (845, 22387), (865, 22444), (907, 22555),

Gene: NaSiaTalie_28 Start: 20211, Stop: 21983, Start Num: 145

Candidate Starts for NaSiaTalie_28:

(Start: 128 @20187 has 10 MA's), (Start: 145 @20211 has 749 MA's), (Start: 239 @20346 has 1 MA's), (246, 20364), (303, 20445), (304, 20448), (347, 20520), (349, 20523), (381, 20577), (385, 20583), (419, 20646), (434, 20694), (445, 20727), (470, 20781), (504, 20862), (507, 20865), (516, 20895), (582, 21051), (617, 21138), (675, 21258), (716, 21381), (717, 21384), (720, 21390), (757, 21438), (795, 21501), (802, 21516), (804, 21522), (821, 21576), (832, 21615), (836, 21630), (847, 21663), (862, 21708), (905, 21819), (907, 21825), (935, 21879),

Gene: Naca_24 Start: 19512, Stop: 21311, Start Num: 145

Candidate Starts for Naca_24:

(Start: 145 @19512 has 749 MA's), (304, 19749), (349, 19824), (361, 19839), (379, 19875), (419, 19947), (423, 19962), (434, 19995), (436, 20001), (516, 20196), (523, 20226), (527, 20232), (560, 20322), (587, 20367), (616, 20436), (629, 20478), (637, 20496), (674, 20556), (675, 20559), (708, 20652), (777, 20793), (795, 20829), (904, 21144), (907, 21153), (959, 21288),

Gene: Nadeem_22 Start: 17344, Stop: 19050, Start Num: 187

Candidate Starts for Nadeem_22:

(131, 17269), (Start: 187 @17344 has 15 MA's), (Start: 239 @17437 has 1 MA's), (244, 17452), (246, 17458), (275, 17533), (305, 17605), (359, 17716), (384, 17761), (395, 17779), (404, 17791), (486, 17962), (489, 17971), (491, 17977), (504, 18010), (523, 18073), (542, 18124), (564, 18148), (585, 18172), (616, 18247), (628, 18286), (691, 18418), (758, 18532), (808, 18619), (844, 18733), (847, 18742), (886, 18847), (936, 18934), (971, 19042),

Gene: NadineRae_41 Start: 27143, Stop: 28759, Start Num: 260

Candidate Starts for NadineRae_41:

(Start: 260 @27143 has 35 MA's), (Start: 268 @27155 has 52 MA's), (Start: 288 @27179 has 1 MA's), (322, 27257), (424, 27440), (443, 27497), (447, 27509), (452, 27524), (484, 27590), (489, 27605), (497, 27629), (527, 27716), (530, 27722), (538, 27746), (572, 27806), (586, 27836), (594, 27857), (633, 27962), (643, 27983), (688, 28070), (704, 28118), (756, 28244), (780, 28280), (844, 28445), (850, 28463), (862, 28499), (943, 28673), (947, 28685), (964, 28742),

Gene: Naiad_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for Naiad_23:

(Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (261, 16526), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (478, 16904), (481, 16910), (486, 16925), (487, 16928), (507, 16976), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: Naira_28 Start: 22770, Stop: 24572, Start Num: 148

Candidate Starts for Naira_28:

(Start: 148 @22770 has 202 MA's), (Start: 166 @22791 has 28 MA's), (Start: 191 @22833 has 1 MA's), (215, 22878), (349, 23094), (376, 23139), (381, 23148), (407, 23187), (425, 23238), (426, 23241), (507, 23436), (528, 23505), (552, 23565), (616, 23706), (617, 23709), (623, 23730), (674, 23826), (675, 23829), (677, 23835), (701, 23904), (708, 23922), (710, 23931), (720, 23961), (779, 24057), (795, 24090), (802, 24105), (845, 24246), (865, 24303), (907, 24414),

Gene: Nairb_19 Start: 16980, Stop: 18686, Start Num: 166

Candidate Starts for Nairb_19:

(95, 16872), (101, 16884), (Start: 166 @16980 has 28 MA's), (205, 17046), (252, 17121), (254, 17127), (297, 17211), (326, 17265), (350, 17310), (352, 17313), (391, 17379), (510, 17664), (616, 17886), (698, 18075), (787, 18213), (794, 18225), (862, 18402), (879, 18438), (944, 18603), (952, 18630), (965, 18669), (969, 18675),

Gene: Naji_31 Start: 20049, Stop: 21839, Start Num: 145

Candidate Starts for Naji_31:

(103, 19983), (Start: 128 @20025 has 10 MA's), (Start: 145 @20049 has 749 MA's), (303, 20283), (304, 20286), (347, 20358), (349, 20361), (361, 20376), (381, 20415), (385, 20421), (434, 20532), (440, 20550), (470, 20619), (504, 20700), (507, 20703), (560, 20859), (582, 20889), (675, 21096), (717, 21222), (743, 21273), (779, 21324), (795, 21357), (802, 21372), (808, 21396), (832, 21471), (833, 21474), (836, 21486), (865, 21570), (894, 21648), (905, 21675), (907, 21681), (928, 21726), (935, 21735), (959, 21816),

Gene: Nala_24 Start: 19856, Stop: 21451, Start Num: 197

Candidate Starts for Nala_24:

(Start: 137 @19772 has 84 MA's), (Start: 197 @19856 has 47 MA's), (Start: 239 @19934 has 1 MA's), (272, 20021), (282, 20036), (301, 20084), (315, 20123), (363, 20210), (380, 20243), (404, 20279), (417, 20309), (418, 20315), (441, 20384), (483, 20414), (487, 20426), (488, 20429), (510, 20486), (587, 20618), (589, 20624), (617, 20690), (620, 20696), (626, 20720), (647, 20768), (659, 20792), (665, 20801), (695, 20876), (761, 20927), (772, 20942), (833, 21104), (841, 21131), (851, 21161), (890, 21266), (938, 21344), (947, 21380), (950, 21389), (959, 21422), (965, 21437),

Gene: Nancinator_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for Nancinator_23:

(Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (261, 16526), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (478, 16904), (481, 16910), (486, 16925), (487, 16928), (507, 16976), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: NancyRae_22 Start: 17350, Stop: 19056, Start Num: 187

Candidate Starts for NancyRae_22:

(131, 17275), (Start: 187 @17350 has 15 MA's), (Start: 239 @17443 has 1 MA's), (244, 17458), (246, 17464), (275, 17539), (305, 17611), (359, 17722), (384, 17767), (395, 17785), (404, 17797), (486, 17968), (489, 17977), (491, 17983), (504, 18016), (523, 18079), (542, 18130), (564, 18154), (585, 18178), (616, 18253), (623, 18277), (628, 18292), (691, 18424), (758, 18538), (808, 18625), (844, 18739), (847, 18748), (886, 18853), (936, 18940), (971, 19048),

Gene: Nanosmite_32 Start: 22784, Stop: 24520, Start Num: 147

Candidate Starts for Nanosmite_32:

(Start: 115 @22742 has 3 MA's), (Start: 124 @22757 has 2 MA's), (Start: 147 @22784 has 14 MA's), (Start: 166 @22799 has 28 MA's), (189, 22838), (205, 22868), (207, 22874), (215, 22886), (303, 23045), (361, 23144), (366, 23156), (372, 23168), (376, 23177), (403, 23219), (423, 23273), (437, 23315), (438, 23318), (500, 23471), (510, 23495), (533, 23564), (552, 23606), (599, 23675), (609, 23705), (612, 23714), (617, 23729), (629, 23768), (661, 23831), (669, 23840), (674, 23849), (698, 23918), (700, 23924), (703, 23930), (783, 24050), (787, 24056), (936, 24410), (944, 24437), (950, 24455), (952, 24464),

Gene: NatB6_41 Start: 29876, Stop: 31489, Start Num: 260

Candidate Starts for NatB6_41:

(Start: 260 @29876 has 35 MA's), (Start: 288 @29912 has 1 MA's), (295, 29930), (322, 29990), (443, 30230), (447, 30242), (452, 30257), (484, 30323), (489, 30338), (497, 30362), (498, 30365), (527, 30449), (538, 30479), (539, 30482), (572, 30539), (592, 30587), (594, 30590), (604, 30611), (643, 30716), (671, 30761), (688, 30803), (756, 30977), (774, 31007), (780, 31013), (826, 31121), (827, 31124), (851, 31199), (947, 31418), (964, 31475),

Gene: Natkenzie_35 Start: 30775, Stop: 32376, Start Num: 205

Candidate Starts for Natkenzie_35:

(Start: 190 @30754 has 16 MA's), (205, 30775), (210, 30787), (237, 30838), (257, 30901), (294, 30973), (329, 31060), (354, 31111), (371, 31141), (417, 31222), (424, 31249), (489, 31348), (500, 31378), (504, 31387), (516, 31420), (517, 31423), (518, 31426), (521, 31435), (537, 31483), (586, 31531), (589, 31540), (628, 31639), (649, 31678), (656, 31690), (701, 31807), (764, 31846), (787, 31885), (808, 31942), (822, 31981), (824, 31990), (839, 32047), (843, 32059), (862, 32116), (865, 32122), (875, 32143), (886, 32176), (909, 32221), (959, 32350), (961, 32359),

Gene: Natosaleda_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for Natosaleda_23:

(Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (261, 16526), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (478, 16904), (481, 16910), (486, 16925), (487, 16928), (507, 16976), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: Nazo_18 Start: 16129, Stop: 17865, Start Num: 129

Candidate Starts for Nazo_18:

(Start: 129 @16129 has 45 MA's), (Start: 187 @16213 has 15 MA's), (247, 16327), (250, 16333), (256, 16354), (263, 16372), (279, 16405), (291, 16429), (363, 16588), (365, 16594), (422, 16708), (441, 16765), (470, 16804), (481, 16810), (489, 16834), (510, 16888), (513, 16900), (517, 16909), (537, 16969), (582, 17014), (595, 17047), (612, 17086), (622, 17119), (626, 17131), (647, 17185), (669, 17233), (686, 17263), (691, 17275), (782, 17377), (788, 17389), (791, 17392), (794, 17398), (796, 17407), (830, 17515), (858, 17599), (898, 17698), (935, 17755), (965, 17854),

Gene: NearlyHeadless_24 Start: 18670, Stop: 20460, Start Num: 145

Candidate Starts for NearlyHeadless_24:

(Start: 128 @18646 has 10 MA's), (Start: 145 @18670 has 749 MA's), (213, 18763), (240, 18808), (304, 18907), (328, 18943), (349, 18982), (361, 18997), (379, 19033), (434, 19153), (436, 19159), (488, 19279), (535, 19408), (560, 19480), (616, 19594), (708, 19810), (717, 19843), (779, 19945), (795, 19978), (802, 19993), (810, 20023), (904, 20293), (907, 20302), (909, 20311), (956, 20425),

Gene: Nebkiss_17 Start: 15060, Stop: 16949, Start Num: 130

Candidate Starts for Nebkiss_17:

(Start: 130 @15060 has 38 MA's), (Start: 134 @15069 has 40 MA's), (151, 15090), (199, 15159), (210, 15177), (222, 15195), (244, 15249), (256, 15285), (261, 15300), (263, 15303), (291, 15363), (335, 15456), (357, 15501), (361, 15507), (364, 15513), (374, 15534), (382, 15546), (410, 15594), (423, 15633), (424, 15636), (425, 15639), (437, 15675), (443, 15693), (459, 15720), (463, 15729), (488, 15768), (493, 15786), (512, 15834), (526, 15876), (543, 15930), (544, 15936), (545, 15942), (557, 15972), (571, 16011), (573, 16020), (585, 16044), (587, 16050), (622, 16140), (627, 16155), (663, 16221), (675, 16251), (693, 16299), (700, 16323), (701, 16326), (710, 16353), (763, 16413), (775, 16434), (786, 16455), (806, 16503), (809, 16515), (824, 16560), (841, 16620), (877, 16716), (879, 16722), (886, 16746), (890, 16758), (895, 16767), (909, 16785), (938, 16836), (951, 16884), (953, 16893), (956, 16902), (958, 16911), (959, 16914), (971, 16941),

Gene: Nebs_27 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for Nebs_27:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (833, 21237), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: Nebulosus_30 Start: 19093, Stop: 20880, Start Num: 145

Candidate Starts for Nebulosus_30:

(103, 19027), (Start: 128 @19069 has 10 MA's), (Start: 145 @19093 has 749 MA's), (240, 19231), (259, 19288), (304, 19330), (328, 19366), (349, 19405), (391, 19474), (407, 19498), (426, 19552), (488, 19702), (507, 19747), (516, 19777), (527, 19813), (543, 19864), (559, 19900), (587, 19948), (613, 20008), (674, 20137), (701, 20215), (802, 20416), (804, 20422), (833, 20518), (892, 20683), (938, 20782),

Gene: Necropolis_19 Start: 16385, Stop: 18121, Start Num: 129

Candidate Starts for Necropolis_19:

(Start: 114 @16361 has 2 MA's), (Start: 129 @16385 has 45 MA's), (174, 16445), (185, 16466), (Start: 187 @16469 has 15 MA's), (250, 16589), (263, 16628), (279, 16661), (291, 16685), (341, 16805), (363, 16844), (365, 16850), (411, 16934), (415, 16940), (418, 16952), (425, 16976), (434, 17003), (441, 17021), (470, 17060), (481, 17066), (489, 17090), (510, 17144), (513, 17156), (517, 17165), (537, 17225), (595, 17303), (612, 17342), (622, 17375), (647, 17441), (654, 17456), (659, 17465), (669, 17489), (686, 17519), (691, 17531), (782, 17633), (788, 17645), (791, 17648), (794, 17654), (796, 17663), (830, 17771), (858, 17855), (898, 17954), (950, 18062), (965, 18110),

Gene: Nedarya_29 Start: 19739, Stop: 21496, Start Num: 145

Candidate Starts for Nedarya_29:

(103, 19673), (Start: 128 @19715 has 10 MA's), (Start: 134 @19727 has 40 MA's), (Start: 145 @19739 has 749 MA's), (201, 19808), (259, 19934), (304, 19976), (328, 20012), (349, 20051), (361, 20066), (391, 20120), (407, 20144), (416, 20165), (440, 20240), (507, 20393), (516, 20423), (521, 20438), (527, 20459), (587, 20564), (613, 20624), (674, 20753), (798, 21023), (822, 21095), (865, 21227), (890, 21293), (892, 21299), (894, 21305), (905, 21332), (950, 21440),

Gene: Neeharika16_31 Start: 19969, Stop: 21741, Start Num: 145

Candidate Starts for Neeharika16_31:

(103, 19903), (Start: 128 @19945 has 10 MA's), (Start: 145 @19969 has 749 MA's), (261, 20167), (304, 20206), (347, 20278), (349, 20281), (363, 20299), (381, 20335), (385, 20341), (434, 20452), (436, 20458), (448, 20497), (470, 20539), (488, 20578), (504, 20620), (507, 20623), (523, 20683), (624, 20920), (629, 20935), (675, 21016), (720, 21148), (802, 21274), (817, 21325), (821, 21334), (832, 21373), (833, 21376), (836, 21388), (865, 21472), (905, 21577), (907, 21583), (959, 21718),

Gene: NelitzaMV_24 Start: 19899, Stop: 21494, Start Num: 197

Candidate Starts for NelitzaMV_24:

(Start: 137 @19815 has 84 MA's), (Start: 197 @19899 has 47 MA's), (Start: 239 @19977 has 1 MA's), (272, 20064), (282, 20079), (301, 20127), (315, 20166), (363, 20253), (380, 20286), (404, 20322), (417, 20352), (418, 20358), (441, 20427), (483, 20457), (487, 20469), (488, 20472), (510, 20529), (587, 20661), (589, 20667), (617, 20733), (620, 20739), (626, 20763), (647, 20811), (659, 20835), (665, 20844), (695, 20919), (761, 20970), (772, 20985), (833, 21147), (841, 21174), (851, 21204), (890, 21309), (938, 21387), (947, 21423), (950, 21432), (959, 21465), (965, 21480),

Gene: Nemo27_27 Start: 19826, Stop: 21604, Start Num: 145

Candidate Starts for Nemo27_27:

(Start: 128 @19802 has 10 MA's), (Start: 145 @19826 has 749 MA's), (Start: 191 @19883 has 1 MA's), (Start: 220 @19937 has 45 MA's), (233, 19952), (240, 19970), (297, 20054), (303, 20066), (304, 20069), (349, 20144), (361, 20159), (381, 20198), (434, 20315), (470, 20402), (504, 20483), (521, 20531), (528, 20555), (560, 20642), (587, 20687), (617, 20759), (623, 20780), (629, 20798), (675, 20879), (708, 20972), (710, 20981), (717, 21005), (720, 21011), (731, 21035), (779, 21089), (791, 21110), (808, 21161), (815, 21185), (833, 21239), (865, 21335), (905, 21440), (909, 21455), (954, 21563), (959, 21581),

Gene: Nenae_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Nenae_18:

(Start: 134 @14993 has 40 MA's), (161, 15020), (185, 15059), (Start: 228 @15125 has 2 MA's), (232, 15137), (245, 15173), (254, 15197), (263, 15224), (272, 15245), (277, 15254), (282, 15260), (296, 15293), (379, 15467), (383, 15473), (389, 15482), (395, 15491), (404, 15503), (415, 15527), (427, 15569), (438, 15602), (481, 15653), (482, 15656), (486, 15668), (501, 15710), (509, 15725), (510, 15731), (523, 15779), (554, 15833), (586, 15857), (616, 15929), (636, 15983), (644, 15992), (647,

16001), (659, 16025), (670, 16052), (671, 16055), (755, 16160), (761, 16169), (785, 16208), (814, 16289), (832, 16346), (844, 16385), (886, 16499), (905, 16529), (906, 16532), (916, 16556), (938, 16592),

Gene: Neobush_19 Start: 17773, Stop: 19371, Start Num: 268

Candidate Starts for Neobush_19:

(Start: 268 @17773 has 52 MA's), (414, 18022), (418, 18031), (424, 18049), (425, 18052), (443, 18106), (472, 18181), (496, 18250), (499, 18259), (505, 18271), (521, 18322), (529, 18349), (532, 18358), (534, 18361), (581, 18391), (582, 18394), (605, 18451), (628, 18517), (670, 18595), (683, 18628), (694, 18652), (705, 18688), (745, 18790), (779, 18847), (800, 18892), (803, 18898), (813, 18937), (894, 19177), (932, 19255),

Gene: Nergal_22 Start: 17111, Stop: 18910, Start Num: 118

Candidate Starts for Nergal_22:

(Start: 118 @17111 has 26 MA's), (Start: 126 @17126 has 1 MA's), (Start: 157 @17168 has 12 MA's), (Start: 159 @17171 has 1 MA's), (222, 17258), (237, 17291), (304, 17453), (351, 17552), (393, 17624), (410, 17654), (423, 17693), (436, 17732), (444, 17756), (518, 17903), (530, 17939), (550, 17993), (585, 18041), (612, 18104), (701, 18314), (735, 18350), (812, 18491), (823, 18518), (847, 18599), (875, 18671), (887, 18707), (895, 18725), (948, 18833), (957, 18863), (960, 18878),

Gene: Nerujay_28 Start: 21579, Stop: 23381, Start Num: 148

Candidate Starts for Nerujay_28:

(Start: 148 @21579 has 202 MA's), (Start: 166 @21600 has 28 MA's), (Start: 191 @21642 has 1 MA's), (215, 21687), (349, 21903), (376, 21948), (381, 21957), (407, 21996), (425, 22047), (426, 22050), (507, 22245), (528, 22314), (616, 22515), (617, 22518), (623, 22539), (674, 22635), (675, 22638), (677, 22644), (701, 22713), (708, 22731), (710, 22740), (720, 22770), (779, 22866), (795, 22899), (802, 22914), (845, 23055), (865, 23112), (907, 23223),

Gene: Nettuno_17 Start: 14697, Stop: 16406, Start Num: 269

Candidate Starts for Nettuno_17:

(Start: 269 @14697 has 31 MA's), (324, 14814), (359, 14886), (405, 14964), (452, 15087), (463, 15108), (489, 15177), (490, 15180), (509, 15237), (532, 15312), (547, 15366), (581, 15447), (605, 15507), (608, 15513), (688, 15672), (694, 15690), (697, 15705), (707, 15729), (731, 15801), (732, 15804), (745, 15825), (841, 16059), (846, 16074), (860, 16116), (893, 16209), (894, 16212), (918, 16260), (932, 16290), (950, 16347),

Gene: Netyap_18 Start: 16989, Stop: 18722, Start Num: 165

Candidate Starts for Netyap_18:

(Start: 165 @16989 has 28 MA's), (205, 17058), (274, 17199), (276, 17202), (306, 17247), (326, 17280), (329, 17289), (350, 17325), (379, 17379), (397, 17406), (405, 17418), (423, 17469), (425, 17475), (436, 17508), (500, 17661), (510, 17685), (512, 17694), (527, 17739), (533, 17754), (583, 17832), (626, 17952), (657, 18015), (691, 18087), (703, 18123), (783, 18243), (787, 18249), (794, 18261), (826, 18324), (854, 18411), (862, 18438), (890, 18507), (897, 18522), (905, 18534), (912, 18558), (944, 18636),

Gene: Neville_28 Start: 23300, Stop: 25042, Start Num: 157

Candidate Starts for Neville_28:

(104, 23222), (Start: 142 @23285 has 1 MA's), (Start: 157 @23300 has 12 MA's), (172, 23312), (180, 23330), (205, 23372), (Start: 220 @23399 has 45 MA's), (254, 23456), (276, 23516), (323, 23591), (326, 23594), (329, 23603), (332, 23612), (350, 23651), (352, 23654), (381, 23708), (394, 23729), (415, 23765), (423, 23795), (434, 23828), (443, 23855), (470, 23915), (500, 23984), (504, 23993), (510, 24008), (520, 24038), (555, 24122), (621, 24248), (662, 24341), (675, 24362), (676, 24365), (701, 24437), (712, 24470), (720, 24491), (783, 24560), (787, 24566), (793, 24575), (841, 24692),

(844, 24701), (865, 24761), (881, 24797), (886, 24812), (905, 24848), (907, 24854), (930, 24917), (944, 24959), (952, 24986), (957, 25001), (969, 25031),

Gene: Newrala_31 Start: 19969, Stop: 21741, Start Num: 145

Candidate Starts for Newrala_31:

(103, 19903), (Start: 128 @19945 has 10 MA's), (Start: 145 @19969 has 749 MA's), (261, 20167), (304, 20206), (347, 20278), (349, 20281), (363, 20299), (381, 20335), (385, 20341), (434, 20452), (436, 20458), (448, 20497), (470, 20539), (488, 20578), (504, 20620), (507, 20623), (523, 20683), (624, 20920), (629, 20935), (675, 21016), (720, 21148), (802, 21274), (817, 21325), (821, 21334), (832, 21373), (833, 21376), (836, 21388), (865, 21472), (905, 21577), (907, 21583), (959, 21718),

Gene: Nhonho_27 Start: 21330, Stop: 23132, Start Num: 148

Candidate Starts for Nhonho_27:

(Start: 148 @21330 has 202 MA's), (Start: 166 @21351 has 28 MA's), (Start: 191 @21393 has 1 MA's), (215, 21438), (349, 21654), (376, 21699), (381, 21708), (407, 21747), (425, 21798), (426, 21801), (463, 21894), (507, 21996), (528, 22065), (616, 22266), (617, 22269), (623, 22290), (674, 22386), (675, 22389), (677, 22395), (701, 22464), (708, 22482), (710, 22491), (720, 22521), (779, 22617), (795, 22650), (802, 22665), (845, 22806), (865, 22863), (907, 22974), (966, 23127),

Gene: Nibb_22 Start: 16431, Stop: 18197, Start Num: 145

Candidate Starts for Nibb_22:

(Start: 121 @16392 has 1 MA's), (Start: 138 @16422 has 25 MA's), (Start: 145 @16431 has 749 MA's), (Start: 170 @16461 has 1 MA's), (Start: 239 @16587 has 1 MA's), (244, 16602), (261, 16653), (291, 16716), (338, 16818), (341, 16824), (357, 16854), (404, 16932), (409, 16941), (422, 16980), (437, 17028), (443, 17046), (464, 17085), (465, 17088), (482, 17103), (488, 17121), (493, 17139), (504, 17163), (508, 17169), (516, 17196), (535, 17250), (586, 17334), (593, 17352), (669, 17514), (675, 17526), (693, 17574), (742, 17649), (763, 17688), (797, 17733), (808, 17766), (810, 17772), (820, 17799), (845, 17883), (862, 17934), (865, 17940), (909, 18033), (914, 18042), (950, 18129), (971, 18189),

Gene: Nibbles_20 Start: 16710, Stop: 18404, Start Num: 145

Candidate Starts for Nibbles_20:

(56, 16386), (Start: 145 @16710 has 749 MA's), (321, 16995), (323, 16998), (349, 17043), (360, 17058), (407, 17136), (423, 17181), (463, 17283), (481, 17316), (485, 17328), (486, 17331), (506, 17388), (516, 17421), (521, 17436), (541, 17502), (584, 17544), (587, 17553), (606, 17598), (628, 17661), (674, 17742), (680, 17760), (686, 17769), (689, 17778), (708, 17835), (710, 17844), (802, 17976), (818, 18003), (828, 18024), (844, 18075), (845, 18078), (881, 18174), (890, 18201), (893, 18210), (894, 18213), (907, 18243), (912, 18261), (939, 18306), (965, 18396),

Gene: Nicholas_19 Start: 17373, Stop: 19136, Start Num: 130

Candidate Starts for Nicholas_19:

(Start: 130 @17373 has 38 MA's), (155, 17400), (194, 17463), (Start: 220 @17511 has 45 MA's), (225, 17517), (248, 17553), (276, 17628), (297, 17652), (301, 17658), (329, 17715), (397, 17829), (405, 17841), (443, 17952), (507, 18096), (510, 18108), (521, 18141), (616, 18330), (619, 18336), (638, 18393), (661, 18435), (669, 18444), (675, 18456), (701, 18531), (729, 18600), (732, 18612), (787, 18660), (824, 18726), (847, 18804), (862, 18849), (886, 18906), (912, 18969), (930, 19005), (936, 19020), (944, 19050), (946, 19056), (950, 19068), (952, 19077), (956, 19089),

Gene: Nicholasp3_18 Start: 16994, Stop: 18727, Start Num: 165

Candidate Starts for Nicholasp3_18:

(Start: 165 @16994 has 28 MA's), (205, 17063), (274, 17204), (276, 17207), (306, 17252), (326, 17285), (329, 17294), (350, 17330), (379, 17384), (397, 17411), (405, 17423), (423, 17474), (425, 17480), (436, 17513), (500, 17666), (510, 17690), (512, 17699), (527, 17744), (533, 17759), (583,

17837), (626, 17957), (657, 18020), (691, 18092), (703, 18128), (783, 18248), (787, 18254), (794, 18266), (826, 18329), (854, 18416), (862, 18443), (890, 18512), (897, 18527), (905, 18539), (912, 18563), (944, 18641),

Gene: NicoleTera_32 Start: 22012, Stop: 23784, Start Num: 145

Candidate Starts for NicoleTera_32:

(Start: 128 @21988 has 10 MA's), (Start: 145 @22012 has 749 MA's), (256, 22195), (303, 22246), (304, 22249), (347, 22321), (349, 22324), (381, 22378), (385, 22384), (407, 22417), (434, 22495), (470, 22582), (504, 22663), (507, 22666), (617, 22939), (629, 22978), (674, 23056), (675, 23059), (720, 23191), (757, 23239), (779, 23269), (795, 23302), (802, 23317), (806, 23332), (811, 23353), (821, 23377), (832, 23416), (836, 23431), (847, 23464), (865, 23515), (905, 23620), (907, 23626), (935, 23680),

Gene: NiebruSaylor_55 Start: 32904, Stop: 34640, Start Num: 118

Candidate Starts for NiebruSaylor_55:

(Start: 113 @32895 has 2 MA's), (Start: 118 @32904 has 26 MA's), (180, 32994), (244, 33111), (256, 33147), (265, 33168), (277, 33195), (282, 33201), (295, 33231), (303, 33255), (328, 33306), (404, 33444), (408, 33450), (424, 33501), (425, 33504), (431, 33522), (481, 33573), (488, 33594), (489, 33597), (509, 33645), (510, 33651), (523, 33699), (527, 33705), (530, 33711), (575, 33771), (586, 33795), (587, 33798), (606, 33843), (613, 33858), (616, 33867), (620, 33876), (636, 33921), (647, 33939), (665, 33972), (764, 34110), (777, 34131), (806, 34197), (814, 34227), (830, 34281), (844, 34323), (851, 34344), (858, 34365), (862, 34377), (872, 34398), (891, 34452), (938, 34530), (947, 34566), (953, 34587), (960, 34614),

Gene: Nikao_19 Start: 16697, Stop: 18463, Start Num: 145

Candidate Starts for Nikao_19:

(Start: 145 @16697 has 749 MA's), (Start: 150 @16703 has 25 MA's), (Start: 170 @16727 has 1 MA's), (Start: 239 @16853 has 1 MA's), (244, 16868), (251, 16886), (276, 16949), (338, 17084), (341, 17090), (404, 17198), (409, 17207), (443, 17312), (486, 17381), (488, 17387), (501, 17423), (508, 17435), (527, 17498), (586, 17600), (593, 17618), (612, 17660), (613, 17663), (666, 17768), (693, 17840), (758, 17948), (763, 17954), (797, 17999), (814, 18053), (823, 18074), (845, 18149), (862, 18200), (909, 18299), (917, 18314), (938, 18350), (950, 18395), (960, 18434), (961, 18437), (971, 18455),

Gene: Niklas_23 Start: 16517, Stop: 18283, Start Num: 145

Candidate Starts for Niklas_23:

(Start: 138 @16508 has 25 MA's), (Start: 145 @16517 has 749 MA's), (Start: 150 @16523 has 25 MA's), (Start: 170 @16547 has 1 MA's), (Start: 193 @16586 has 1 MA's), (Start: 239 @16673 has 1 MA's), (244, 16688), (251, 16706), (261, 16739), (338, 16904), (357, 16940), (404, 17018), (409, 17027), (443, 17132), (444, 17135), (465, 17174), (486, 17201), (488, 17207), (504, 17249), (508, 17255), (516, 17282), (586, 17420), (593, 17438), (628, 17528), (647, 17555), (666, 17588), (693, 17660), (710, 17714), (750, 17750), (763, 17774), (797, 17819), (808, 17852), (812, 17867), (820, 17885), (823, 17894), (845, 17969), (862, 18020), (865, 18026), (914, 18128), (960, 18254), (961, 18257), (971, 18275),

Gene: Nimbo_16 Start: 14808, Stop: 16517, Start Num: 132

Candidate Starts for Nimbo_16:

(Start: 132 @14808 has 199 MA's), (198, 14895), (Start: 228 @14940 has 2 MA's), (237, 14964), (277, 15069), (282, 15075), (290, 15093), (301, 15123), (349, 15228), (383, 15288), (398, 15309), (404, 15318), (415, 15342), (481, 15468), (486, 15483), (488, 15489), (501, 15525), (503, 15528), (509, 15540), (510, 15546), (523, 15594), (530, 15606), (531, 15612), (586, 15672), (590, 15684), (606, 15720), (612, 15732), (644, 15807), (647, 15816), (656, 15834), (659, 15840), (671, 15870), (755, 15975), (761, 15984), (764, 15987), (785, 16023), (813, 16101), (844, 16200), (851, 16221), (862,

16254), (877, 16284), (886, 16314), (889, 16323), (891, 16329), (905, 16344), (906, 16347), (914, 16368), (916, 16371), (940, 16413), (947, 16443), (959, 16485),

Gene: Nimrod_24 Start: 19991, Stop: 21670, Start Num: 137

Candidate Starts for Nimrod_24:

(Start: 137 @19991 has 84 MA's), (Start: 197 @20075 has 47 MA's), (Start: 239 @20153 has 1 MA's), (272, 20240), (282, 20255), (301, 20303), (315, 20342), (363, 20429), (380, 20462), (404, 20498), (417, 20528), (418, 20534), (441, 20603), (483, 20633), (487, 20645), (488, 20648), (510, 20705), (587, 20837), (589, 20843), (617, 20909), (620, 20915), (626, 20939), (647, 20987), (659, 21011), (665, 21020), (695, 21095), (761, 21146), (772, 21161), (833, 21323), (841, 21350), (851, 21380), (890, 21485), (938, 21563), (947, 21599), (950, 21608), (959, 21641), (965, 21656),

Gene: Nina_19 Start: 16774, Stop: 18471, Start Num: 145

Candidate Starts for Nina_19:

(Start: 135 @16771 has 8 MA's), (Start: 145 @16774 has 749 MA's), (263, 16984), (349, 17107), (379, 17158), (423, 17245), (426, 17254), (433, 17275), (438, 17290), (442, 17302), (481, 17380), (485, 17392), (493, 17419), (506, 17452), (516, 17485), (520, 17497), (535, 17539), (606, 17662), (632, 17734), (675, 17812), (680, 17827), (689, 17845), (708, 17902), (779, 17995), (796, 18031), (802, 18043), (804, 18049), (807, 18061), (818, 18070), (844, 18142), (845, 18145), (847, 18151), (851, 18163), (875, 18223), (890, 18268), (893, 18277), (907, 18310), (940, 18376),

Gene: Nitzel_17 Start: 15550, Stop: 17259, Start Num: 133

Candidate Starts for Nitzel_17:

(Start: 133 @15550 has 29 MA's), (Start: 228 @15682 has 2 MA's), (237, 15706), (240, 15715), (265, 15784), (282, 15817), (290, 15835), (294, 15844), (349, 15970), (383, 16030), (398, 16051), (404, 16060), (415, 16084), (427, 16126), (438, 16159), (439, 16162), (442, 16171), (459, 16186), (467, 16192), (481, 16210), (486, 16225), (488, 16231), (501, 16267), (503, 16270), (509, 16282), (510, 16288), (512, 16297), (523, 16336), (530, 16348), (606, 16462), (612, 16474), (623, 16507), (644, 16549), (647, 16558), (656, 16576), (659, 16582), (755, 16717), (764, 16729), (785, 16765), (813, 16843), (877, 17026), (885, 17053), (886, 17056), (889, 17065), (891, 17071), (905, 17086), (914, 17110), (916, 17113), (921, 17122), (940, 17155), (959, 17227),

Gene: Nivrat_16 Start: 14812, Stop: 16521, Start Num: 132

Candidate Starts for Nivrat_16:

(Start: 132 @14812 has 199 MA's), (Start: 228 @14944 has 2 MA's), (237, 14968), (277, 15073), (282, 15079), (290, 15097), (301, 15127), (349, 15232), (379, 15286), (383, 15292), (389, 15301), (404, 15322), (415, 15346), (425, 15382), (427, 15388), (438, 15421), (439, 15424), (442, 15433), (459, 15448), (467, 15454), (481, 15472), (486, 15487), (488, 15493), (493, 15511), (494, 15514), (501, 15529), (509, 15544), (510, 15550), (523, 15598), (530, 15610), (531, 15616), (586, 15676), (590, 15688), (606, 15724), (612, 15736), (644, 15811), (647, 15820), (656, 15838), (659, 15844), (671, 15874), (755, 15979), (764, 15991), (785, 16027), (813, 16105), (851, 16225), (862, 16258), (877, 16288), (880, 16300), (886, 16318), (888, 16324), (889, 16327), (891, 16333), (905, 16348), (906, 16351), (914, 16372), (916, 16375), (940, 16417), (947, 16447), (959, 16489), (960, 16495),

Gene: Niza_29 Start: 22150, Stop: 23952, Start Num: 148

Candidate Starts for Niza_29:

(Start: 148 @22150 has 202 MA's), (Start: 166 @22171 has 28 MA's), (Start: 191 @22213 has 1 MA's), (215, 22258), (349, 22474), (376, 22519), (381, 22528), (407, 22567), (425, 22618), (426, 22621), (507, 22816), (528, 22885), (552, 22945), (616, 23086), (617, 23089), (623, 23110), (674, 23206), (675, 23209), (677, 23215), (701, 23284), (708, 23302), (710, 23311), (720, 23341), (779, 23437), (795, 23470), (802, 23485), (845, 23626), (865, 23683), (907, 23794),

Gene: NoShow_18 Start: 15497, Stop: 17335, Start Num: 116

Candidate Starts for NoShow_18:

(Start: 116 @15497 has 4 MA's), (199, 15614), (Start: 239 @15689 has 1 MA's), (244, 15704), (263, 15758), (287, 15806), (367, 15977), (413, 16055), (415, 16058), (422, 16082), (430, 16109), (460, 16178), (461, 16181), (474, 16229), (486, 16259), (488, 16265), (493, 16283), (494, 16286), (508, 16313), (511, 16328), (527, 16376), (531, 16388), (585, 16475), (590, 16490), (622, 16571), (652, 16628), (666, 16649), (674, 16670), (766, 16838), (822, 16940), (824, 16949), (832, 16976), (841, 17006), (862, 17069), (865, 17075), (909, 17168), (958, 17294), (960, 17303),

Gene: NoSleep_25 Start: 19485, Stop: 21164, Start Num: 137

Candidate Starts for NoSleep_25:

(Start: 137 @19485 has 84 MA's), (Start: 197 @19569 has 47 MA's), (Start: 239 @19647 has 1 MA's), (272, 19734), (282, 19749), (301, 19797), (315, 19836), (363, 19923), (380, 19956), (404, 19992), (417, 20022), (418, 20028), (441, 20097), (483, 20127), (487, 20139), (488, 20142), (510, 20199), (587, 20331), (589, 20337), (617, 20403), (620, 20409), (626, 20433), (647, 20481), (659, 20505), (665, 20514), (695, 20589), (761, 20640), (772, 20655), (833, 20817), (841, 20844), (851, 20874), (890, 20979), (938, 21057), (947, 21093), (950, 21102), (959, 21135), (965, 21150),

Gene: Nodigi_20 Start: 15752, Stop: 17443, Start Num: 135

Candidate Starts for Nodigi_20:

(27, 15278), (48, 15389), (Start: 121 @15725 has 1 MA's), (Start: 135 @15752 has 8 MA's), (Start: 145 @15755 has 749 MA's), (205, 15839), (Start: 239 @15896 has 1 MA's), (303, 15995), (328, 16046), (423, 16223), (433, 16253), (442, 16280), (448, 16301), (451, 16310), (463, 16325), (481, 16355), (485, 16367), (487, 16373), (488, 16376), (492, 16391), (516, 16460), (541, 16541), (584, 16583), (587, 16592), (594, 16610), (614, 16655), (648, 16739), (671, 16775), (674, 16778), (675, 16781), (680, 16796), (689, 16814), (708, 16871), (717, 16904), (796, 17000), (802, 17012), (804, 17018), (806, 17027), (818, 17039), (844, 17111), (845, 17114), (846, 17117), (851, 17132), (893, 17249), (907, 17282), (909, 17291), (959, 17420), (965, 17435),

Gene: Noella_28 Start: 20456, Stop: 22255, Start Num: 145

Candidate Starts for Noella_28:

(Start: 145 @20456 has 749 MA's), (Start: 191 @20516 has 1 MA's), (233, 20585), (297, 20687), (303, 20699), (304, 20702), (349, 20777), (361, 20792), (381, 20831), (440, 20966), (470, 21035), (516, 21149), (560, 21275), (616, 21389), (623, 21413), (627, 21425), (629, 21431), (675, 21512), (701, 21587), (708, 21605), (710, 21614), (717, 21638), (720, 21644), (729, 21659), (749, 21692), (777, 21737), (779, 21740), (791, 21761), (833, 21890), (865, 21986), (905, 22091), (907, 22097), (959, 22232),

Gene: Noelle_27 Start: 19888, Stop: 21681, Start Num: 150

Candidate Starts for Noelle_27:

(Start: 128 @19858 has 10 MA's), (Start: 145 @19882 has 749 MA's), (Start: 150 @19888 has 25 MA's), (Start: 191 @19942 has 1 MA's), (233, 20011), (Start: 239 @20026 has 1 MA's), (261, 20089), (297, 20113), (303, 20125), (304, 20128), (349, 20203), (361, 20218), (426, 20350), (434, 20374), (470, 20461), (516, 20575), (528, 20614), (560, 20701), (587, 20746), (616, 20815), (623, 20839), (629, 20857), (675, 20938), (701, 21013), (708, 21031), (717, 21064), (720, 21070), (729, 21085), (739, 21109), (777, 21163), (779, 21166), (791, 21187), (865, 21412), (905, 21517), (907, 21523), (959, 21658),

Gene: Norbert_27 Start: 20455, Stop: 22254, Start Num: 145

Candidate Starts for Norbert_27:

(Start: 145 @20455 has 749 MA's), (Start: 191 @20515 has 1 MA's), (233, 20584), (297, 20686), (303, 20698), (304, 20701), (349, 20776), (361, 20791), (381, 20830), (440, 20965), (470, 21034), (516, 21148), (560, 21274), (616, 21388), (623, 21412), (627, 21424), (629, 21430), (675, 21511), (701,

21586), (708, 21604), (710, 21613), (717, 21637), (720, 21643), (729, 21658), (749, 21691), (777, 21736), (779, 21739), (791, 21760), (833, 21889), (865, 21985), (905, 22090), (907, 22096), (959, 22231),

Gene: Nordenberg_29 Start: 29943, Stop: 31706, Start Num: 107

Candidate Starts for Nordenberg_29:

(100, 29925), (Start: 107 @29943 has 72 MA's), (Start: 126 @29979 has 1 MA's), (216, 30117), (259, 30213), (265, 30222), (319, 30291), (349, 30342), (376, 30387), (385, 30402), (425, 30483), (440, 30528), (443, 30537), (487, 30627), (495, 30657), (503, 30672), (510, 30696), (520, 30726), (586, 30831), (629, 30948), (644, 30966), (649, 30981), (668, 31011), (674, 31023), (675, 31026), (686, 31053), (845, 31377), (846, 31380), (862, 31428), (875, 31455), (884, 31482), (905, 31536), (912, 31560), (913, 31563), (951, 31653), (966, 31701),

Gene: NormanBulbieJr_16 Start: 14800, Stop: 16509, Start Num: 132

Candidate Starts for NormanBulbieJr_16:

(Start: 132 @14800 has 199 MA's), (198, 14887), (Start: 228 @14932 has 2 MA's), (237, 14956), (277, 15061), (282, 15067), (290, 15085), (301, 15115), (349, 15220), (383, 15280), (398, 15301), (404, 15310), (415, 15334), (481, 15460), (486, 15475), (488, 15481), (501, 15517), (503, 15520), (509, 15532), (510, 15538), (523, 15586), (530, 15598), (531, 15604), (586, 15664), (590, 15676), (606, 15712), (612, 15724), (644, 15799), (647, 15808), (656, 15826), (659, 15832), (671, 15862), (755, 15967), (764, 15979), (785, 16015), (813, 16093), (844, 16192), (851, 16213), (862, 16246), (877, 16276), (880, 16288), (886, 16306), (888, 16312), (889, 16315), (891, 16321), (905, 16336), (906, 16339), (914, 16360), (916, 16363), (940, 16405), (947, 16435), (959, 16477), (960, 16483),

Gene: NorthStar_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for NorthStar_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Norvs_49 Start: 29614, Stop: 31305, Start Num: 154

Candidate Starts for Norvs_49:

(Start: 154 @29614 has 21 MA's), (Start: 193 @29674 has 1 MA's), (208, 29707), (Start: 228 @29737 has 2 MA's), (229, 29740), (291, 29899), (295, 29908), (351, 30037), (378, 30085), (510, 30298), (511, 30304), (520, 30328), (600, 30457), (606, 30478), (620, 30511), (695, 30709), (810, 30862), (841, 30961), (845, 30973), (848, 30982), (880, 31066), (948, 31213), (958, 31249),

Gene: Norz_29 Start: 21986, Stop: 23788, Start Num: 148

Candidate Starts for Norz_29:

(Start: 148 @21986 has 202 MA's), (Start: 166 @22007 has 28 MA's), (Start: 191 @22049 has 1 MA's), (215, 22094), (349, 22310), (376, 22355), (381, 22364), (407, 22403), (425, 22454), (426, 22457), (507, 22652), (528, 22721), (616, 22922), (617, 22925), (623, 22946), (674, 23042), (675, 23045), (677, 23051), (701, 23120), (708, 23138), (710, 23147), (720, 23177), (779, 23273), (795, 23306), (802, 23321), (845, 23462), (865, 23519), (907, 23630),

Gene: NosilaM_44 Start: 30458, Stop: 32074, Start Num: 260

Candidate Starts for NosilaM_44:

(Start: 260 @30458 has 35 MA's), (322, 30572), (365, 30656), (452, 30839), (484, 30905), (489, 30920), (497, 30944), (527, 31031), (538, 31061), (539, 31064), (572, 31121), (604, 31193), (643,

31298), (688, 31385), (704, 31433), (756, 31559), (780, 31595), (827, 31706), (851, 31781), (935, 31958), (947, 32000), (964, 32057),

Gene: NotAPhaseMom_27 Start: 19831, Stop: 21609, Start Num: 145

Candidate Starts for NotAPhaseMom_27:

(Start: 128 @19807 has 10 MA's), (Start: 145 @19831 has 749 MA's), (Start: 191 @19888 has 1 MA's), (Start: 220 @19942 has 45 MA's), (233, 19957), (240, 19975), (297, 20059), (303, 20071), (304, 20074), (349, 20149), (361, 20164), (381, 20203), (434, 20320), (470, 20407), (504, 20488), (521, 20536), (528, 20560), (560, 20647), (587, 20692), (617, 20764), (623, 20785), (629, 20803), (675, 20884), (708, 20977), (710, 20986), (717, 21010), (720, 21016), (731, 21040), (779, 21094), (791, 21115), (808, 21166), (815, 21190), (833, 21244), (865, 21340), (905, 21445), (909, 21460), (954, 21568), (959, 21586),

Gene: NothingSpecial_30 Start: 22209, Stop: 23981, Start Num: 145

Candidate Starts for NothingSpecial_30:

(103, 22143), (Start: 128 @22185 has 10 MA's), (Start: 145 @22209 has 749 MA's), (Start: 239 @22344 has 1 MA's), (246, 22362), (303, 22443), (304, 22446), (347, 22518), (349, 22521), (381, 22575), (385, 22581), (434, 22692), (451, 22746), (470, 22779), (504, 22860), (507, 22863), (557, 23004), (560, 23019), (574, 23034), (617, 23136), (675, 23256), (720, 23388), (731, 23412), (791, 23487), (795, 23499), (802, 23514), (804, 23520), (832, 23613), (836, 23628), (865, 23712), (905, 23817), (907, 23823), (935, 23877),

Gene: NovumRegina_41 Start: 30206, Stop: 31819, Start Num: 260

Candidate Starts for NovumRegina_41:

(Start: 260 @30206 has 35 MA's), (Start: 288 @30242 has 1 MA's), (295, 30260), (322, 30320), (443, 30560), (447, 30572), (452, 30587), (484, 30653), (489, 30668), (497, 30692), (498, 30695), (527, 30779), (538, 30809), (539, 30812), (572, 30869), (592, 30917), (594, 30920), (604, 30941), (643, 31046), (671, 31091), (688, 31133), (756, 31307), (774, 31337), (780, 31343), (826, 31451), (827, 31454), (851, 31529), (947, 31748), (964, 31805),

Gene: Nubi_31 Start: 25863, Stop: 27629, Start Num: 107

Candidate Starts for Nubi_31:

(90, 25821), (Start: 107 @25863 has 72 MA's), (Start: 126 @25899 has 1 MA's), (Start: 150 @25932 has 25 MA's), (263, 26142), (265, 26145), (303, 26175), (333, 26241), (349, 26265), (356, 26274), (375, 26307), (443, 26460), (463, 26499), (487, 26550), (491, 26562), (495, 26580), (501, 26592), (506, 26604), (510, 26619), (520, 26649), (521, 26652), (527, 26673), (583, 26745), (602, 26793), (649, 26904), (669, 26937), (686, 26976), (687, 26979), (710, 27051), (753, 27117), (759, 27129), (845, 27300), (846, 27303), (862, 27351), (875, 27378), (884, 27405), (886, 27411), (905, 27459), (951, 27576), (957, 27597), (966, 27624),

Gene: Nutello_19 Start: 16697, Stop: 18463, Start Num: 145

Candidate Starts for Nutello_19:

(Start: 145 @16697 has 749 MA's), (Start: 150 @16703 has 25 MA's), (Start: 170 @16727 has 1 MA's), (Start: 239 @16853 has 1 MA's), (244, 16868), (251, 16886), (276, 16949), (338, 17084), (341, 17090), (404, 17198), (409, 17207), (443, 17312), (486, 17381), (488, 17387), (501, 17423), (508, 17435), (527, 17498), (586, 17600), (593, 17618), (612, 17660), (613, 17663), (666, 17768), (693, 17840), (758, 17948), (763, 17954), (797, 17999), (814, 18053), (823, 18074), (845, 18149), (862, 18200), (909, 18299), (917, 18314), (938, 18350), (950, 18395), (960, 18434), (961, 18437), (971, 18455),

Gene: Nyceirae_23 Start: 18768, Stop: 20426, Start Num: 176

Candidate Starts for Nyceirae_23:

(99, 18639), (Start: 153 @18732 has 1 MA's), (Start: 176 @18768 has 2 MA's), (Start: 183 @18780 has 3 MA's), (244, 18894), (255, 18924), (280, 18978), (306, 19044), (308, 19050), (361, 19161), (365, 19170), (380, 19197), (384, 19203), (386, 19206), (400, 19227), (431, 19311), (486, 19398), (487, 19401), (511, 19467), (517, 19482), (536, 19536), (575, 19566), (580, 19575), (600, 19617), (606, 19638), (623, 19686), (627, 19698), (638, 19725), (675, 19794), (699, 19863), (710, 19896), (760, 19953), (809, 20004), (831, 20073), (859, 20160), (865, 20175), (887, 20232), (890, 20241), (914, 20280), (936, 20319), (939, 20325),

Gene: Nymphadora_19 Start: 17764, Stop: 19362, Start Num: 268

Candidate Starts for Nymphadora_19:

(Start: 268 @17764 has 52 MA's), (418, 18022), (424, 18040), (425, 18043), (443, 18097), (472, 18172), (496, 18241), (499, 18250), (505, 18262), (521, 18313), (529, 18340), (532, 18349), (534, 18352), (582, 18385), (605, 18442), (628, 18508), (683, 18619), (694, 18643), (705, 18679), (745, 18781), (779, 18838), (813, 18928), (894, 19168), (932, 19246),

Gene: Nyxis_27 Start: 19770, Stop: 21548, Start Num: 145

Candidate Starts for Nyxis_27:

(Start: 128 @19746 has 10 MA's), (Start: 145 @19770 has 749 MA's), (Start: 191 @19827 has 1 MA's), (Start: 220 @19881 has 45 MA's), (233, 19896), (240, 19914), (297, 19998), (303, 20010), (304, 20013), (349, 20088), (361, 20103), (381, 20142), (434, 20259), (470, 20346), (504, 20427), (521, 20475), (528, 20499), (560, 20586), (587, 20631), (617, 20703), (623, 20724), (629, 20742), (675, 20823), (708, 20916), (710, 20925), (717, 20949), (720, 20955), (731, 20979), (779, 21033), (791, 21054), (808, 21105), (815, 21129), (865, 21279), (905, 21384), (909, 21399), (954, 21507), (959, 21525),

Gene: OBUpride_22 Start: 17400, Stop: 19142, Start Num: 143

Candidate Starts for OBUpride_22:

(Start: 143 @17400 has 53 MA's), (Start: 150 @17409 has 25 MA's), (178, 17451), (210, 17502), (226, 17526), (231, 17538), (Start: 239 @17559 has 1 MA's), (244, 17574), (251, 17592), (263, 17625), (273, 17652), (304, 17724), (345, 17814), (393, 17898), (400, 17907), (410, 17928), (432, 17994), (442, 18021), (462, 18054), (482, 18072), (489, 18093), (493, 18108), (494, 18111), (520, 18177), (521, 18180), (542, 18246), (553, 18258), (564, 18267), (575, 18270), (613, 18357), (631, 18411), (660, 18456), (665, 18462), (692, 18534), (701, 18564), (710, 18591), (750, 18627), (754, 18636), (808, 18714), (855, 18858), (860, 18876), (865, 18888), (873, 18903), (875, 18906), (882, 18927), (886, 18939), (914, 18987), (934, 19020), (956, 19095), (960, 19113), (971, 19134),

Gene: ODay_25 Start: 18641, Stop: 20350, Start Num: 145

Candidate Starts for ODay_25:

(Start: 145 @18641 has 749 MA's), (Start: 156 @18653 has 4 MA's), (158, 18656), (186, 18695), (265, 18860), (329, 18953), (361, 19004), (365, 19013), (376, 19031), (403, 19073), (407, 19079), (417, 19103), (418, 19109), (423, 19127), (440, 19178), (442, 19184), (451, 19214), (479, 19256), (487, 19277), (489, 19283), (495, 19307), (516, 19358), (517, 19361), (525, 19391), (528, 19397), (612, 19541), (686, 19703), (708, 19769), (710, 19778), (716, 19799), (787, 19892), (796, 19913), (802, 19925), (804, 19931), (806, 19940), (807, 19943), (835, 19997), (845, 20027), (870, 20096), (905, 20183), (907, 20189), (934, 20240), (947, 20285), (959, 20327), (966, 20345),

Gene: OKCentral2016_27 Start: 19492, Stop: 21270, Start Num: 145

Candidate Starts for OKCentral2016_27:

(Start: 128 @19468 has 10 MA's), (Start: 145 @19492 has 749 MA's), (Start: 191 @19549 has 1 MA's), (199, 19564), (233, 19618), (297, 19720), (303, 19732), (304, 19735), (349, 19810), (361, 19825), (381, 19864), (434, 19981), (440, 19999), (470, 20068), (501, 20143), (516, 20182), (528, 20221), (560, 20308), (582, 20338), (587, 20353), (609, 20401), (623, 20446), (627, 20458), (629, 20464), (674, 20542), (675, 20545), (708, 20638), (710, 20647), (717, 20671), (720, 20677), (729,

20692), (757, 20725), (791, 20776), (798, 20794), (810, 20833), (811, 20839), (845, 20944), (865, 21001), (877, 21025), (879, 21031), (905, 21106), (907, 21112), (909, 21121), (959, 21247),

Gene: OKaNui_28 Start: 19880, Stop: 21658, Start Num: 145

Candidate Starts for OKaNui_28:

(Start: 128 @19856 has 10 MA's), (Start: 145 @19880 has 749 MA's), (Start: 191 @19937 has 1 MA's), (Start: 220 @19991 has 45 MA's), (233, 20006), (240, 20024), (297, 20108), (303, 20120), (304, 20123), (349, 20198), (361, 20213), (381, 20252), (434, 20369), (470, 20456), (504, 20537), (521, 20585), (528, 20609), (560, 20696), (587, 20741), (617, 20813), (623, 20834), (629, 20852), (675, 20933), (708, 21026), (710, 21035), (717, 21059), (720, 21065), (731, 21089), (779, 21143), (791, 21164), (808, 21215), (815, 21239), (833, 21293), (865, 21389), (905, 21494), (909, 21509), (954, 21617), (959, 21635),

Gene: ObLaDi_19 Start: 16527, Stop: 18191, Start Num: 157

Candidate Starts for ObLaDi_19:

(Start: 143 @16512 has 53 MA's), (Start: 157 @16527 has 12 MA's), (Start: 162 @16533 has 3 MA's), (178, 16563), (185, 16572), (329, 16806), (349, 16839), (377, 16887), (419, 16962), (433, 17007), (470, 17097), (481, 17112), (500, 17166), (504, 17175), (516, 17208), (525, 17241), (528, 17247), (647, 17481), (657, 17493), (674, 17520), (685, 17553), (698, 17592), (701, 17601), (729, 17673), (762, 17688), (779, 17712), (802, 17760), (840, 17847), (847, 17868), (871, 17934), (894, 18000), (912, 18048), (951, 18138), (966, 18186),

Gene: Obama12_28 Start: 20140, Stop: 21921, Start Num: 145

Candidate Starts for Obama12_28:

(Start: 128 @20116 has 10 MA's), (Start: 145 @20140 has 749 MA's), (Start: 150 @20146 has 25 MA's), (Start: 191 @20200 has 1 MA's), (199, 20215), (233, 20269), (240, 20287), (297, 20371), (303, 20383), (304, 20386), (349, 20461), (361, 20476), (381, 20515), (434, 20632), (470, 20719), (504, 20800), (521, 20848), (528, 20872), (560, 20959), (587, 21004), (617, 21076), (623, 21097), (629, 21115), (675, 21196), (701, 21271), (708, 21289), (710, 21298), (717, 21322), (720, 21328), (731, 21352), (773, 21394), (779, 21406), (791, 21427), (808, 21478), (815, 21502), (833, 21556), (865, 21652), (905, 21757), (909, 21772), (954, 21880), (959, 21898),

Gene: Obliviate_18 Start: 16440, Stop: 18086, Start Num: 220

Candidate Starts for Obliviate_18:

(196, 16404), (Start: 220 @16440 has 45 MA's), (261, 16542), (295, 16620), (296, 16623), (337, 16719), (355, 16758), (390, 16818), (404, 16839), (423, 16893), (428, 16908), (510, 17079), (520, 17109), (620, 17292), (626, 17316), (658, 17367), (695, 17460), (700, 17472), (738, 17517), (747, 17532), (809, 17664), (810, 17667), (841, 17766), (847, 17784), (865, 17835), (890, 17901), (927, 17964), (935, 17976),

Gene: Ochi17_16 Start: 15041, Stop: 16750, Start Num: 132

Candidate Starts for Ochi17_16:

(Start: 132 @15041 has 199 MA's), (198, 15128), (210, 15149), (Start: 228 @15173 has 2 MA's), (237, 15197), (244, 15218), (277, 15302), (282, 15308), (290, 15326), (301, 15356), (349, 15461), (379, 15515), (383, 15521), (395, 15539), (398, 15542), (404, 15551), (415, 15575), (438, 15650), (442, 15662), (459, 15677), (467, 15683), (481, 15701), (486, 15716), (488, 15722), (496, 15749), (501, 15758), (509, 15773), (510, 15779), (523, 15827), (530, 15839), (531, 15845), (586, 15905), (590, 15917), (606, 15953), (612, 15965), (620, 15986), (644, 16040), (647, 16049), (656, 16067), (659, 16073), (671, 16103), (755, 16208), (761, 16217), (764, 16220), (785, 16256), (803, 16295), (813, 16334), (851, 16454), (862, 16487), (877, 16517), (886, 16547), (889, 16556), (891, 16562), (905, 16577), (906, 16580), (914, 16601), (916, 16604), (938, 16640), (940, 16646), (947, 16676), (959, 16718),

Gene: OctaviousRex_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for OctaviousRex_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Octobien14_28 Start: 22738, Stop: 24489, Start Num: 157

Candidate Starts for Octobien14_28:

(Start: 142 @22723 has 1 MA's), (Start: 157 @22738 has 12 MA's), (172, 22759), (174, 22762), (205, 22819), (216, 22840), (Start: 220 @22846 has 45 MA's), (241, 22873), (249, 22891), (253, 22900), (254, 22903), (281, 22969), (284, 22975), (297, 22987), (323, 23038), (326, 23041), (332, 23059), (397, 23179), (418, 23224), (423, 23242), (443, 23302), (445, 23308), (449, 23323), (470, 23362), (494, 23416), (500, 23431), (504, 23440), (510, 23455), (512, 23464), (521, 23488), (527, 23509), (551, 23563), (574, 23581), (582, 23596), (583, 23599), (608, 23662), (612, 23674), (621, 23698), (631, 23731), (675, 23812), (712, 23920), (715, 23929), (721, 23944), (757, 23971), (787, 24016), (828, 24097), (847, 24157), (865, 24208), (881, 24244), (905, 24295), (907, 24301), (911, 24316), (915, 24325), (930, 24364), (936, 24379), (944, 24406), (953, 24436), (957, 24448), (969, 24478),

Gene: Odette_36 Start: 26877, Stop: 28610, Start Num: 133

Candidate Starts for Odette_36:

(Start: 133 @26877 has 29 MA's), (Start: 197 @26967 has 47 MA's), (223, 27015), (237, 27045), (247, 27072), (291, 27174), (302, 27204), (345, 27303), (365, 27339), (367, 27345), (380, 27366), (418, 27438), (421, 27447), (427, 27468), (467, 27537), (488, 27576), (489, 27579), (493, 27594), (510, 27633), (523, 27681), (530, 27693), (531, 27699), (573, 27747), (579, 27756), (587, 27777), (595, 27795), (615, 27843), (656, 27945), (686, 28005), (691, 28017), (772, 28101), (779, 28113), (782, 28119), (788, 28131), (791, 28134), (805, 28173), (810, 28191), (823, 28227), (824, 28233), (851, 28320), (885, 28410), (909, 28452), (919, 28470), (936, 28500), (948, 28542), (965, 28596),

Gene: Odin_27 Start: 18961, Stop: 20751, Start Num: 145

Candidate Starts for Odin_27:

(103, 18895), (Start: 128 @18937 has 10 MA's), (Start: 145 @18961 has 749 MA's), (246, 19114), (303, 19195), (304, 19198), (347, 19270), (349, 19273), (361, 19288), (381, 19327), (385, 19333), (434, 19444), (436, 19450), (445, 19477), (470, 19531), (504, 19612), (560, 19771), (582, 19801), (629, 19927), (657, 19978), (675, 20008), (717, 20134), (746, 20188), (765, 20215), (773, 20224), (779, 20236), (795, 20269), (802, 20284), (808, 20308), (832, 20383), (833, 20386), (836, 20398), (865, 20482), (905, 20587), (928, 20638), (935, 20647), (959, 20728),

Gene: OfUltron_16 Start: 15041, Stop: 16750, Start Num: 132

Candidate Starts for OfUltron_16:

(Start: 132 @15041 has 199 MA's), (198, 15128), (210, 15149), (Start: 228 @15173 has 2 MA's), (237, 15197), (244, 15218), (277, 15302), (282, 15308), (290, 15326), (301, 15356), (349, 15461), (379, 15515), (383, 15521), (395, 15539), (398, 15542), (404, 15551), (415, 15575), (438, 15650), (442, 15662), (459, 15677), (467, 15683), (481, 15701), (486, 15716), (488, 15722), (496, 15749), (501, 15758), (509, 15773), (510, 15779), (523, 15827), (530, 15839), (531, 15845), (586, 15905), (590, 15917), (606, 15953), (612, 15965), (620, 15986), (644, 16040), (647, 16049), (656, 16067), (659, 16073), (671, 16103), (755, 16208), (761, 16217), (764, 16220), (785, 16256), (803, 16295), (813, 16334), (851, 16454), (862, 16487), (877, 16517), (886, 16547), (889, 16556), (891, 16562), (905, 16577), (906, 16580), (914, 16601), (916, 16604), (938, 16640), (940, 16646), (947, 16676), (959, 16718),

Gene: Ogoopogo_19 Start: 15066, Stop: 16775, Start Num: 132

Candidate Starts for Ogoopogo_19:

(Start: 132 @15066 has 199 MA's), (198, 15153), (210, 15174), (Start: 228 @15198 has 2 MA's), (237, 15222), (244, 15243), (277, 15327), (282, 15333), (290, 15351), (301, 15381), (349, 15486), (379, 15540), (383, 15546), (389, 15555), (398, 15567), (404, 15576), (415, 15600), (427, 15642), (438, 15675), (467, 15708), (481, 15726), (486, 15741), (488, 15747), (501, 15783), (509, 15798), (510, 15804), (523, 15852), (530, 15864), (531, 15870), (586, 15930), (606, 15978), (612, 15990), (644, 16065), (647, 16074), (656, 16092), (659, 16098), (671, 16128), (755, 16233), (764, 16245), (785, 16281), (851, 16479), (862, 16512), (877, 16542), (880, 16554), (886, 16572), (889, 16581), (891, 16587), (905, 16602), (906, 16605), (914, 16626), (916, 16629), (940, 16671), (947, 16701), (959, 16743), (960, 16749),

Gene: OhShagHennessy_18 Start: 16711, Stop: 18480, Start Num: 130

Candidate Starts for OhShagHennessy_18:

(Start: 98 @16648 has 1 MA's), (106, 16669), (Start: 114 @16684 has 2 MA's), (Start: 130 @16711 has 38 MA's), (194, 16804), (Start: 220 @16852 has 45 MA's), (225, 16858), (245, 16885), (248, 16894), (274, 16966), (281, 16975), (301, 16999), (306, 17014), (323, 17044), (397, 17170), (403, 17179), (413, 17200), (418, 17215), (440, 17284), (451, 17320), (467, 17341), (494, 17410), (510, 17449), (583, 17587), (587, 17599), (616, 17674), (619, 17680), (623, 17698), (638, 17737), (657, 17770), (661, 17779), (669, 17788), (674, 17797), (716, 17920), (732, 17956), (787, 18004), (794, 18016), (824, 18070), (854, 18166), (859, 18184), (861, 18190), (862, 18193), (879, 18226), (886, 18250), (912, 18313), (932, 18355), (944, 18394), (950, 18412), (956, 18433), (961, 18454),

Gene: Ohfah_27 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for Ohfah_27:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: Ohgeesy_19 Start: 17387, Stop: 18985, Start Num: 268

Candidate Starts for Ohgeesy_19:

(Start: 268 @17387 has 52 MA's), (414, 17636), (418, 17645), (424, 17663), (425, 17666), (443, 17720), (472, 17795), (496, 17864), (499, 17873), (505, 17885), (509, 17897), (521, 17936), (529, 17963), (532, 17972), (534, 17975), (582, 18008), (605, 18065), (628, 18131), (683, 18242), (705, 18302), (745, 18404), (779, 18461), (813, 18551), (894, 18791), (932, 18869),

Gene: Ohno789_27 Start: 20972, Stop: 22774, Start Num: 148

Candidate Starts for Ohno789_27:

(Start: 148 @20972 has 202 MA's), (Start: 166 @20993 has 28 MA's), (Start: 191 @21035 has 1 MA's), (215, 21080), (349, 21296), (376, 21341), (381, 21350), (407, 21389), (425, 21440), (426, 21443), (507, 21638), (528, 21707), (616, 21908), (617, 21911), (623, 21932), (674, 22028), (675, 22031), (677, 22037), (701, 22106), (708, 22124), (710, 22133), (720, 22163), (779, 22259), (795, 22292), (802, 22307), (845, 22448), (865, 22505), (907, 22616),

Gene: OkiRoe_21 Start: 17496, Stop: 19268, Start Num: 150

Candidate Starts for OkiRoe_21:

(Start: 150 @17496 has 25 MA's), (155, 17502), (172, 17526), (Start: 193 @17559 has 1 MA's), (222, 17607), (244, 17661), (261, 17712), (291, 17775), (341, 17883), (404, 17991), (443, 18105), (444,

18108), (465, 18147), (486, 18174), (488, 18180), (504, 18222), (508, 18228), (520, 18267), (527, 18291), (586, 18393), (613, 18456), (627, 18501), (693, 18636), (754, 18735), (802, 18813), (808, 18837), (814, 18858), (845, 18954), (847, 18960), (914, 19113), (955, 19218), (956, 19221), (960, 19239),

Gene: Oksu_17 Start: 14871, Stop: 16580, Start Num: 132

Candidate Starts for Oksu_17:

(Start: 132 @14871 has 199 MA's), (198, 14958), (Start: 228 @15003 has 2 MA's), (237, 15027), (277, 15132), (282, 15138), (290, 15156), (301, 15186), (349, 15291), (383, 15351), (398, 15372), (404, 15381), (415, 15405), (438, 15480), (481, 15531), (486, 15546), (488, 15552), (501, 15588), (509, 15603), (510, 15609), (523, 15657), (530, 15669), (531, 15675), (586, 15735), (590, 15747), (606, 15783), (612, 15795), (620, 15816), (644, 15870), (647, 15879), (656, 15897), (659, 15903), (671, 15933), (755, 16038), (761, 16047), (764, 16050), (785, 16086), (813, 16164), (844, 16263), (851, 16284), (862, 16317), (877, 16347), (886, 16377), (889, 16386), (891, 16392), (905, 16407), (906, 16410), (914, 16431), (916, 16434), (938, 16470), (940, 16476), (959, 16548),

Gene: OlanP_29 Start: 20640, Stop: 22436, Start Num: 145

Candidate Starts for OlanP_29:

(Start: 145 @20640 has 749 MA's), (Start: 191 @20697 has 1 MA's), (199, 20712), (233, 20766), (Start: 239 @20781 has 1 MA's), (297, 20868), (303, 20880), (304, 20883), (349, 20958), (361, 20973), (470, 21216), (528, 21369), (560, 21456), (616, 21570), (623, 21594), (629, 21612), (675, 21693), (701, 21768), (708, 21786), (710, 21795), (717, 21819), (720, 21825), (729, 21840), (739, 21864), (777, 21918), (779, 21921), (791, 21942), (907, 22278), (959, 22413),

Gene: OldBen_16 Start: 14778, Stop: 16487, Start Num: 132

Candidate Starts for OldBen_16:

(Start: 132 @14778 has 199 MA's), (198, 14865), (Start: 228 @14910 has 2 MA's), (237, 14934), (277, 15039), (282, 15045), (290, 15063), (294, 15072), (301, 15093), (349, 15198), (383, 15258), (398, 15279), (404, 15288), (415, 15312), (481, 15438), (486, 15453), (488, 15459), (501, 15495), (503, 15498), (509, 15510), (510, 15516), (523, 15564), (530, 15576), (531, 15582), (586, 15642), (590, 15654), (606, 15690), (612, 15702), (644, 15777), (647, 15786), (656, 15804), (659, 15810), (671, 15840), (755, 15945), (761, 15954), (764, 15957), (785, 15993), (813, 16071), (844, 16170), (851, 16191), (862, 16224), (877, 16254), (886, 16284), (889, 16293), (891, 16299), (905, 16314), (906, 16317), (914, 16338), (916, 16341), (940, 16383), (947, 16413), (959, 16455),

Gene: Olga_18 Start: 16640, Stop: 18403, Start Num: 138

Candidate Starts for Olga_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Ollie_29 Start: 20249, Stop: 22045, Start Num: 145

Candidate Starts for Ollie_29:

(Start: 145 @20249 has 749 MA's), (Start: 191 @20306 has 1 MA's), (199, 20321), (216, 20354), (233, 20375), (Start: 239 @20390 has 1 MA's), (297, 20477), (303, 20489), (304, 20492), (349, 20567), (361, 20582), (379, 20618), (470, 20825), (516, 20939), (528, 20978), (560, 21065), (616, 21179), (623, 21203), (629, 21221), (675, 21302), (701, 21377), (708, 21395), (717, 21428), (720, 21434), (739, 21473), (777, 21527), (779, 21530), (791, 21551), (810, 21608), (865, 21776), (905, 21881), (907, 21887), (959, 22022),

Gene: OlympiaSaint_16 Start: 15002, Stop: 16711, Start Num: 132

Candidate Starts for OlympiaSaint_16:

(Start: 132 @15002 has 199 MA's), (198, 15089), (Start: 228 @15134 has 2 MA's), (237, 15158), (277, 15263), (282, 15269), (290, 15287), (301, 15317), (349, 15422), (383, 15482), (398, 15503), (404, 15512), (415, 15536), (438, 15611), (439, 15614), (481, 15662), (486, 15677), (488, 15683), (501, 15719), (503, 15722), (509, 15734), (510, 15740), (523, 15788), (530, 15800), (531, 15806), (586, 15866), (590, 15878), (606, 15914), (612, 15926), (644, 16001), (647, 16010), (656, 16028), (659, 16034), (671, 16064), (755, 16169), (764, 16181), (785, 16217), (813, 16295), (851, 16415), (862, 16448), (877, 16478), (886, 16508), (889, 16517), (891, 16523), (905, 16538), (906, 16541), (916, 16565), (935, 16595), (940, 16607), (947, 16637), (959, 16679),

Gene: Omega_36 Start: 28767, Stop: 30500, Start Num: 133

Candidate Starts for Omega_36:

(Start: 133 @28767 has 29 MA's), (Start: 197 @28857 has 47 MA's), (198, 28860), (237, 28935), (247, 28962), (272, 29028), (291, 29064), (302, 29094), (307, 29109), (345, 29193), (365, 29229), (380, 29256), (406, 29295), (418, 29328), (421, 29337), (439, 29394), (469, 29436), (507, 29511), (510, 29523), (530, 29583), (531, 29589), (573, 29637), (587, 29667), (595, 29685), (601, 29694), (613, 29727), (617, 29739), (620, 29745), (632, 29784), (659, 29841), (772, 29991), (782, 30009), (802, 30051), (808, 30075), (809, 30078), (813, 30093), (824, 30123), (833, 30153), (851, 30210), (919, 30360), (961, 30480), (965, 30486),

Gene: OmniCritical_24 Start: 18531, Stop: 20318, Start Num: 145

Candidate Starts for OmniCritical_24:

(Start: 121 @18492 has 1 MA's), (Start: 138 @18522 has 25 MA's), (Start: 143 @18528 has 53 MA's), (Start: 145 @18531 has 749 MA's), (Start: 193 @18588 has 1 MA's), (222, 18636), (Start: 239 @18675 has 1 MA's), (244, 18690), (251, 18708), (261, 18741), (276, 18771), (298, 18816), (304, 18834), (338, 18906), (341, 18912), (357, 18942), (395, 19008), (404, 19020), (456, 19155), (486, 19203), (488, 19209), (493, 19227), (508, 19257), (520, 19296), (586, 19422), (612, 19482), (613, 19485), (620, 19503), (623, 19518), (693, 19686), (710, 19740), (754, 19785), (781, 19830), (797, 19854), (808, 19887), (820, 19920), (841, 19992), (845, 20004), (862, 20055), (865, 20061), (914, 20163), (960, 20289), (971, 20310),

Gene: OneDirection_17 Start: 14664, Stop: 16373, Start Num: 269

Candidate Starts for OneDirection_17:

(208, 14529), (Start: 269 @14664 has 31 MA's), (359, 14853), (361, 14856), (405, 14931), (429, 14985), (452, 15054), (489, 15144), (490, 15147), (532, 15279), (547, 15333), (581, 15414), (605, 15474), (608, 15480), (645, 15561), (688, 15639), (694, 15657), (707, 15696), (731, 15768), (732, 15771), (745, 15792), (841, 16026), (846, 16041), (860, 16083), (893, 16176), (894, 16179), (918, 16227), (932, 16257),

Gene: OneUp_42 Start: 27048, Stop: 28739, Start Num: 154

Candidate Starts for OneUp_42:

(Start: 154 @27048 has 21 MA's), (Start: 193 @27108 has 1 MA's), (208, 27141), (261, 27264), (290, 27330), (307, 27378), (347, 27465), (351, 27471), (378, 27519), (380, 27522), (408, 27564), (486, 27669), (507, 27720), (510, 27732), (511, 27738), (612, 27924), (691, 28122), (695, 28140), (755, 28182), (783, 28227), (787, 28233), (810, 28293), (845, 28404), (938, 28605), (948, 28644), (958, 28680),

Gene: Oofda_31 Start: 19067, Stop: 20854, Start Num: 145

Candidate Starts for Oofda_31:

(103, 19001), (Start: 128 @19043 has 10 MA's), (Start: 145 @19067 has 749 MA's), (240, 19205), (259, 19262), (304, 19304), (328, 19340), (349, 19379), (391, 19448), (407, 19472), (426, 19526),

(488, 19676), (507, 19721), (516, 19751), (527, 19787), (543, 19838), (559, 19874), (587, 19922), (613, 19982), (674, 20111), (701, 20189), (802, 20390), (804, 20396), (833, 20492), (892, 20657), (938, 20756),

Gene: Oogway_26 Start: 21094, Stop: 22896, Start Num: 148

Candidate Starts for Oogway_26:

(Start: 148 @21094 has 202 MA's), (Start: 166 @21115 has 28 MA's), (Start: 191 @21157 has 1 MA's), (215, 21202), (349, 21418), (376, 21463), (381, 21472), (407, 21511), (425, 21562), (426, 21565), (507, 21760), (528, 21829), (616, 22030), (617, 22033), (623, 22054), (674, 22150), (675, 22153), (677, 22159), (701, 22228), (708, 22246), (710, 22255), (720, 22285), (779, 22381), (795, 22414), (802, 22429), (845, 22570), (865, 22627), (907, 22738), (966, 22891),

Gene: Opie_19 Start: 16985, Stop: 18715, Start Num: 140

Candidate Starts for Opie_19:

(84, 16868), (Start: 121 @16952 has 1 MA's), (Start: 126 @16964 has 1 MA's), (Start: 140 @16985 has 5 MA's), (310, 17255), (360, 17339), (425, 17468), (448, 17540), (469, 17582), (487, 17618), (495, 17648), (506, 17672), (519, 17714), (527, 17741), (563, 17798), (574, 17804), (612, 17891), (785, 18251), (796, 18275), (804, 18293), (845, 18389), (894, 18524), (909, 18563), (910, 18566), (948, 18653), (956, 18680),

Gene: Optimus_35 Start: 27884, Stop: 29882, Start Num: 133

Candidate Starts for Optimus_35:

(Start: 133 @27884 has 29 MA's), (Start: 197 @27974 has 47 MA's), (223, 28022), (237, 28052), (291, 28181), (302, 28211), (321, 28262), (345, 28310), (365, 28346), (380, 28373), (418, 28445), (421, 28454), (427, 28475), (467, 28544), (488, 28583), (489, 28586), (493, 28601), (510, 28640), (523, 28688), (530, 28700), (531, 28706), (573, 28754), (579, 28763), (587, 28784), (595, 28802), (615, 28850), (656, 28952), (691, 29024), (706, 29069), (709, 29081), (726, 29216), (727, 29222), (728, 29246), (740, 29318), (754, 29345), (852, 29594),

Gene: Orange_28 Start: 20755, Stop: 22554, Start Num: 145

Candidate Starts for Orange_28:

(103, 20689), (Start: 128 @20731 has 10 MA's), (Start: 145 @20755 has 749 MA's), (185, 20797), (240, 20893), (246, 20908), (303, 20989), (304, 20992), (349, 21067), (361, 21082), (381, 21121), (385, 21127), (415, 21178), (434, 21238), (436, 21244), (470, 21325), (507, 21409), (551, 21535), (558, 21553), (574, 21580), (629, 21721), (668, 21787), (674, 21799), (675, 21802), (749, 21991), (765, 22018), (773, 22027), (783, 22048), (785, 22051), (795, 22072), (802, 22087), (808, 22111), (832, 22186), (836, 22201), (865, 22285), (905, 22390), (907, 22396), (935, 22450), (966, 22549),

Gene: Oregono_20 Start: 17368, Stop: 18948, Start Num: 268

Candidate Starts for Oregono_20:

(217, 17251), (Start: 268 @17368 has 52 MA's), (418, 17626), (425, 17647), (443, 17701), (459, 17740), (482, 17797), (489, 17818), (582, 17989), (588, 18007), (601, 18031), (608, 18052), (628, 18094), (671, 18175), (705, 18265), (745, 18367), (748, 18370), (779, 18424), (813, 18514), (913, 18793), (918, 18802), (932, 18832),

Gene: OrionPax_25 Start: 19491, Stop: 21170, Start Num: 137

Candidate Starts for OrionPax_25:

(Start: 137 @19491 has 84 MA's), (Start: 197 @19575 has 47 MA's), (Start: 239 @19653 has 1 MA's), (272, 19740), (282, 19755), (301, 19803), (315, 19842), (363, 19929), (380, 19962), (404, 19998), (417, 20028), (418, 20034), (441, 20103), (483, 20133), (487, 20145), (488, 20148), (510, 20205), (587, 20337), (589, 20343), (617, 20409), (620, 20415), (626, 20439), (647, 20487), (659, 20511), (665, 20520), (695, 20595), (761, 20646), (772, 20661), (833, 20823), (841, 20850), (851, 20880), (890, 20985), (938, 21063), (947, 21099), (950, 21108), (959, 21141), (965, 21156),

Gene: Orla_20 Start: 15759, Stop: 17447, Start Num: 145

Candidate Starts for Orla_20:

(Start: 121 @15729 has 1 MA's), (Start: 135 @15756 has 8 MA's), (Start: 145 @15759 has 749 MA's), (Start: 239 @15900 has 1 MA's), (303, 15999), (328, 16050), (344, 16077), (423, 16227), (433, 16257), (442, 16284), (448, 16305), (451, 16314), (463, 16329), (481, 16359), (485, 16371), (487, 16377), (488, 16380), (492, 16395), (516, 16464), (521, 16479), (541, 16545), (584, 16587), (587, 16596), (594, 16614), (614, 16659), (648, 16743), (671, 16779), (674, 16782), (675, 16785), (680, 16800), (689, 16818), (708, 16875), (717, 16908), (796, 17004), (802, 17016), (804, 17022), (806, 17031), (818, 17043), (844, 17115), (845, 17118), (846, 17121), (851, 17136), (890, 17244), (893, 17253), (907, 17286), (909, 17295), (959, 17424), (965, 17439),

Gene: Oscar_22 Start: 16394, Stop: 18157, Start Num: 143

Candidate Starts for Oscar_22:

(Start: 121 @16358 has 1 MA's), (Start: 138 @16388 has 25 MA's), (Start: 143 @16394 has 53 MA's), (Start: 170 @16421 has 1 MA's), (185, 16448), (244, 16562), (261, 16613), (291, 16676), (338, 16778), (341, 16784), (380, 16856), (404, 16892), (409, 16901), (422, 16940), (437, 16988), (443, 17006), (464, 17045), (482, 17063), (486, 17075), (488, 17081), (504, 17123), (508, 17129), (516, 17156), (586, 17294), (593, 17312), (601, 17324), (628, 17402), (669, 17474), (675, 17486), (693, 17534), (742, 17609), (797, 17693), (808, 17726), (810, 17732), (820, 17759), (845, 17843), (847, 17849), (862, 17894), (865, 17900), (909, 17993), (950, 18089), (971, 18149),

Gene: Outis_42 Start: 30437, Stop: 32053, Start Num: 260

Candidate Starts for Outis_42:

(Start: 260 @30437 has 35 MA's), (322, 30551), (452, 30818), (484, 30884), (489, 30899), (497, 30923), (498, 30926), (527, 31010), (538, 31040), (542, 31058), (570, 31091), (572, 31100), (582, 31118), (592, 31148), (604, 31172), (633, 31256), (643, 31277), (674, 31325), (688, 31364), (704, 31412), (756, 31538), (780, 31574), (827, 31685), (851, 31760), (935, 31937), (947, 31979), (964, 32036),

Gene: Ovechkin_16 Start: 14836, Stop: 16545, Start Num: 132

Candidate Starts for Ovechkin_16:

(Start: 132 @14836 has 199 MA's), (198, 14923), (Start: 228 @14968 has 2 MA's), (237, 14992), (277, 15097), (282, 15103), (290, 15121), (301, 15151), (349, 15256), (383, 15316), (398, 15337), (404, 15346), (415, 15370), (481, 15496), (486, 15511), (488, 15517), (501, 15553), (503, 15556), (509, 15568), (510, 15574), (523, 15622), (530, 15634), (531, 15640), (586, 15700), (590, 15712), (606, 15748), (612, 15760), (644, 15835), (647, 15844), (656, 15862), (659, 15868), (671, 15898), (755, 16003), (761, 16012), (764, 16015), (785, 16051), (813, 16129), (844, 16228), (851, 16249), (862, 16282), (877, 16312), (886, 16342), (889, 16351), (891, 16357), (905, 16372), (906, 16375), (916, 16399), (935, 16429), (940, 16441), (947, 16471), (959, 16513),

Gene: OwlsT2W_18 Start: 15174, Stop: 16883, Start Num: 132

Candidate Starts for OwlsT2W_18:

(Start: 132 @15174 has 199 MA's), (198, 15261), (Start: 228 @15306 has 2 MA's), (237, 15330), (277, 15435), (282, 15441), (290, 15459), (301, 15489), (349, 15594), (383, 15654), (389, 15663), (395, 15672), (398, 15675), (404, 15684), (415, 15708), (438, 15783), (439, 15786), (481, 15834), (486, 15849), (488, 15855), (501, 15891), (503, 15894), (509, 15906), (510, 15912), (523, 15960), (530, 15972), (531, 15978), (586, 16038), (590, 16050), (606, 16086), (612, 16098), (644, 16173), (647, 16182), (656, 16200), (659, 16206), (671, 16236), (755, 16341), (761, 16350), (764, 16353), (785, 16389), (810, 16455), (813, 16467), (844, 16566), (851, 16587), (862, 16620), (877, 16650), (886, 16680), (889, 16689), (891, 16695), (905, 16710), (906, 16713), (916, 16737), (935, 16767), (940, 16779), (947, 16809), (959, 16851),

Gene: P1201_47 Start: 34468, Stop: 36096, Start Num: 260

Candidate Starts for P1201_47:

(Start: 260 @34468 has 35 MA's), (383, 34690), (424, 34771), (431, 34792), (490, 34936), (535, 35071), (572, 35143), (578, 35152), (618, 35251), (622, 35266), (667, 35359), (724, 35524), (748, 35563), (809, 35668), (821, 35701), (830, 35740), (856, 35812), (878, 35866), (885, 35890), (888, 35899), (929, 35980), (959, 36070),

Gene: P28Green_29 Start: 20380, Stop: 22176, Start Num: 145

Candidate Starts for P28Green_29:

(Start: 145 @20380 has 749 MA's), (Start: 191 @20437 has 1 MA's), (199, 20452), (233, 20506), (Start: 239 @20521 has 1 MA's), (297, 20608), (303, 20620), (304, 20623), (349, 20698), (361, 20713), (379, 20749), (470, 20956), (528, 21109), (560, 21196), (616, 21310), (623, 21334), (629, 21352), (675, 21433), (701, 21508), (708, 21526), (717, 21559), (720, 21565), (739, 21604), (777, 21658), (779, 21661), (791, 21682), (810, 21739), (865, 21907), (905, 22012), (907, 22018), (959, 22153),

Gene: P3MA_19 Start: 14376, Stop: 16133, Start Num: 145

Candidate Starts for P3MA_19:

(Start: 129 @14352 has 45 MA's), (Start: 145 @14376 has 749 MA's), (210, 14469), (291, 14658), (338, 14760), (413, 14895), (416, 14901), (422, 14922), (427, 14940), (439, 14976), (447, 15000), (494, 15078), (503, 15096), (511, 15120), (524, 15162), (527, 15168), (528, 15171), (586, 15270), (628, 15381), (666, 15441), (693, 15513), (754, 15612), (758, 15621), (797, 15669), (821, 15738), (845, 15819), (851, 15837), (856, 15849), (862, 15870), (875, 15897), (882, 15918), (887, 15933), (914, 15978), (921, 15990), (932, 16008), (951, 16065),

Gene: PCoral7_19 Start: 16740, Stop: 18389, Start Num: 220

Candidate Starts for PCoral7_19:

(4, 15693), (6, 15738), (7, 15762), (8, 15768), (9, 15876), (10, 15924), (16, 15996), (22, 16071), (41, 16209), (44, 16239), (47, 16245), (64, 16377), (70, 16434), (74, 16443), (Start: 128 @16602 has 10 MA's), (196, 16704), (Start: 220 @16740 has 45 MA's), (261, 16845), (295, 16923), (318, 16983), (324, 16995), (327, 16998), (423, 17196), (428, 17211), (470, 17295), (482, 17307), (485, 17316), (486, 17319), (492, 17340), (510, 17382), (520, 17412), (620, 17595), (626, 17619), (658, 17670), (672, 17703), (695, 17763), (700, 17775), (736, 17817), (747, 17835), (810, 17970), (841, 18069), (847, 18087), (865, 18138), (888, 18198), (890, 18204), (935, 18279),

Gene: PGHhamlin_31 Start: 20371, Stop: 22167, Start Num: 145

Candidate Starts for PGHhamlin_31:

(Start: 145 @20371 has 749 MA's), (Start: 191 @20428 has 1 MA's), (199, 20443), (216, 20476), (233, 20497), (Start: 239 @20512 has 1 MA's), (297, 20599), (303, 20611), (304, 20614), (349, 20689), (361, 20704), (379, 20740), (470, 20947), (516, 21061), (528, 21100), (560, 21187), (616, 21301), (623, 21325), (629, 21343), (675, 21424), (701, 21499), (708, 21517), (717, 21550), (720, 21556), (739, 21595), (777, 21649), (779, 21652), (791, 21673), (810, 21730), (865, 21898), (905, 22003), (907, 22009), (959, 22144),

Gene: PHappiness_16 Start: 14786, Stop: 16495, Start Num: 132

Candidate Starts for PHappiness_16:

(Start: 132 @14786 has 199 MA's), (198, 14873), (Start: 228 @14918 has 2 MA's), (237, 14942), (277, 15047), (282, 15053), (290, 15071), (301, 15101), (349, 15206), (383, 15266), (398, 15287), (404, 15296), (415, 15320), (481, 15446), (486, 15461), (488, 15467), (501, 15503), (503, 15506), (509, 15518), (510, 15524), (523, 15572), (530, 15584), (531, 15590), (586, 15650), (590, 15662), (606, 15698), (612, 15710), (644, 15785), (647, 15794), (656, 15812), (659, 15818), (671, 15848), (755, 15953), (761, 15962), (764, 15965), (785, 16001), (813, 16079), (844, 16178), (851, 16199), (862, 16232), (877, 16262), (886, 16292), (889, 16301), (891, 16307), (905, 16322), (906, 16325), (914,

16346), (916, 16349), (940, 16391), (947, 16421), (959, 16463),

Gene: PMC_16 Start: 14790, Stop: 16499, Start Num: 132

Candidate Starts for PMC_16:

(Start: 132 @14790 has 199 MA's), (198, 14877), (Start: 228 @14922 has 2 MA's), (237, 14946), (256, 15003), (277, 15051), (282, 15057), (290, 15075), (301, 15105), (326, 15159), (349, 15210), (379, 15264), (383, 15270), (389, 15279), (404, 15300), (415, 15324), (425, 15360), (427, 15366), (438, 15399), (439, 15402), (442, 15411), (459, 15426), (467, 15432), (481, 15450), (486, 15465), (488, 15471), (493, 15489), (494, 15492), (501, 15507), (509, 15522), (510, 15528), (523, 15576), (530, 15588), (531, 15594), (586, 15654), (590, 15666), (606, 15702), (612, 15714), (644, 15789), (647, 15798), (656, 15816), (659, 15822), (671, 15852), (755, 15957), (764, 15969), (785, 16005), (813, 16083), (851, 16203), (862, 16236), (877, 16266), (880, 16278), (886, 16296), (888, 16302), (889, 16305), (891, 16311), (905, 16326), (906, 16329), (914, 16350), (916, 16353), (940, 16395), (947, 16425), (959, 16467), (960, 16473),

Gene: PP_37 Start: 25826, Stop: 27616, Start Num: 145

Candidate Starts for PP_37:

(20, 25235), (29, 25340), (30, 25346), (43, 25436), (52, 25478), (58, 25508), (79, 25676), (103, 25760), (Start: 128 @25802 has 10 MA's), (Start: 145 @25826 has 749 MA's), (Start: 166 @25835 has 28 MA's), (216, 25925), (Start: 239 @25961 has 1 MA's), (246, 25979), (303, 26060), (304, 26063), (349, 26138), (381, 26192), (436, 26315), (445, 26342), (470, 26396), (501, 26471), (504, 26477), (507, 26480), (551, 26606), (617, 26753), (629, 26792), (717, 26999), (729, 27020), (739, 27044), (773, 27089), (777, 27098), (779, 27101), (795, 27134), (802, 27149), (808, 27173), (811, 27185), (832, 27248), (833, 27251), (865, 27347), (875, 27368), (894, 27425), (905, 27452), (907, 27458), (912, 27476), (928, 27503), (935, 27512), (959, 27593),

Gene: PSonyx_17 Start: 17526, Stop: 19172, Start Num: 170

Candidate Starts for PSonyx_17:

(Start: 170 @17526 has 1 MA's), (304, 17751), (329, 17793), (436, 18003), (438, 18009), (486, 18114), (510, 18180), (525, 18231), (583, 18306), (675, 18510), (685, 18537), (700, 18582), (718, 18639), (847, 18852), (951, 19116), (957, 19137), (966, 19164),

Gene: PSullivan_29 Start: 21585, Stop: 23387, Start Num: 148

Candidate Starts for PSullivan_29:

(Start: 148 @21585 has 202 MA's), (Start: 166 @21606 has 28 MA's), (Start: 191 @21648 has 1 MA's), (215, 21693), (349, 21909), (376, 21954), (381, 21963), (407, 22002), (425, 22053), (426, 22056), (507, 22251), (528, 22320), (616, 22521), (617, 22524), (623, 22545), (674, 22641), (675, 22644), (677, 22650), (701, 22719), (708, 22737), (710, 22746), (720, 22776), (779, 22872), (795, 22905), (802, 22920), (845, 23061), (865, 23118), (907, 23229),

Gene: Pacc40_16 Start: 14976, Stop: 16685, Start Num: 132

Candidate Starts for Pacc40_16:

(Start: 132 @14976 has 199 MA's), (198, 15063), (Start: 228 @15108 has 2 MA's), (237, 15132), (277, 15237), (282, 15243), (290, 15261), (301, 15291), (349, 15396), (383, 15456), (398, 15477), (404, 15486), (415, 15510), (481, 15636), (486, 15651), (488, 15657), (501, 15693), (503, 15696), (509, 15708), (510, 15714), (523, 15762), (530, 15774), (531, 15780), (586, 15840), (590, 15852), (606, 15888), (612, 15900), (644, 15975), (647, 15984), (656, 16002), (659, 16008), (671, 16038), (755, 16143), (761, 16152), (764, 16155), (785, 16191), (813, 16269), (844, 16368), (851, 16389), (862, 16422), (877, 16452), (886, 16482), (889, 16491), (891, 16497), (905, 16512), (906, 16515), (914, 16536), (916, 16539), (940, 16581), (947, 16611), (959, 16653),

Gene: Pace1224_18 Start: 16851, Stop: 18575, Start Num: 166

Candidate Starts for Pace1224_18:

(Start: 166 @16851 has 28 MA's), (222, 16923), (276, 17058), (308, 17133), (335, 17184), (341, 17199), (357, 17229), (361, 17235), (392, 17289), (439, 17409), (488, 17505), (491, 17514), (508, 17553), (520, 17592), (531, 17628), (548, 17673), (586, 17718), (647, 17859), (675, 17916), (693, 17964), (701, 17991), (735, 18027), (742, 18039), (778, 18081), (808, 18144), (840, 18246), (862, 18312), (943, 18486), (963, 18552),

Gene: PacerPaul_27 Start: 21373, Stop: 23175, Start Num: 148

Candidate Starts for PacerPaul_27:

(Start: 148 @21373 has 202 MA's), (Start: 166 @21394 has 28 MA's), (Start: 191 @21436 has 1 MA's), (215, 21481), (349, 21697), (376, 21742), (381, 21751), (425, 21841), (426, 21844), (507, 22039), (528, 22108), (612, 22297), (616, 22309), (617, 22312), (623, 22333), (674, 22429), (675, 22432), (677, 22438), (701, 22507), (708, 22525), (710, 22534), (720, 22564), (779, 22660), (795, 22693), (802, 22708), (845, 22849), (865, 22906), (907, 23017), (966, 23170),

Gene: PackMan_30 Start: 21746, Stop: 23539, Start Num: 143

Candidate Starts for PackMan_30:

(Start: 143 @21746 has 53 MA's), (Start: 145 @21749 has 749 MA's), (303, 21983), (304, 21986), (347, 22058), (349, 22061), (361, 22076), (381, 22115), (385, 22121), (434, 22232), (470, 22319), (504, 22400), (507, 22403), (582, 22589), (609, 22652), (617, 22676), (620, 22682), (629, 22715), (675, 22796), (717, 22922), (737, 22964), (739, 22967), (779, 23024), (795, 23057), (802, 23072), (832, 23171), (833, 23174), (836, 23186), (865, 23270), (890, 23336), (905, 23375), (907, 23381), (928, 23426), (950, 23483), (951, 23486),

Gene: Padfoot_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Padfoot_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Padpat_23 Start: 17148, Stop: 18914, Start Num: 145

Candidate Starts for Padpat_23:

(Start: 145 @17148 has 749 MA's), (Start: 170 @17178 has 1 MA's), (251, 17337), (261, 17370), (276, 17400), (291, 17433), (298, 17445), (338, 17535), (361, 17577), (404, 17649), (409, 17658), (422, 17697), (436, 17742), (443, 17763), (444, 17766), (482, 17820), (488, 17838), (504, 17880), (508, 17886), (516, 17913), (586, 18051), (593, 18069), (612, 18111), (619, 18129), (628, 18159), (647, 18186), (693, 18291), (797, 18450), (809, 18486), (820, 18516), (823, 18525), (845, 18600), (862, 18651), (950, 18846), (960, 18885), (961, 18888), (971, 18906),

Gene: PainterBoy_29 Start: 20875, Stop: 22665, Start Num: 145

Candidate Starts for PainterBoy_29:

(Start: 128 @20851 has 10 MA's), (Start: 145 @20875 has 749 MA's), (246, 21028), (303, 21109), (304, 21112), (347, 21184), (349, 21187), (363, 21205), (373, 21226), (381, 21241), (385, 21247), (415, 21298), (434, 21358), (445, 21391), (470, 21445), (504, 21526), (507, 21529), (582, 21715), (617, 21802), (629, 21841), (675, 21922), (717, 22048), (753, 22111), (777, 22147), (802, 22198), (832, 22297), (847, 22345), (865, 22396), (905, 22501), (907, 22507), (935, 22561),

Gene: Paito_18 Start: 16782, Stop: 18536, Start Num: 164

Candidate Starts for Paito_18:

(24, 16239), (Start: 138 @16773 has 25 MA's), (Start: 164 @16782 has 42 MA's), (Start: 168 @16788 has 2 MA's), (172, 16794), (222, 16872), (244, 16926), (261, 16977), (276, 17007), (Start: 288

@17031 has 1 MA's), (335, 17133), (353, 17172), (357, 17178), (365, 17193), (392, 17238), (437, 17352), (439, 17358), (466, 17415), (488, 17454), (504, 17496), (508, 17502), (520, 17541), (548, 17622), (586, 17667), (605, 17712), (674, 17862), (675, 17865), (687, 17895), (693, 17913), (701, 17940), (760, 18024), (770, 18033), (778, 18042), (792, 18057), (808, 18105), (812, 18120), (833, 18183), (851, 18240), (865, 18279), (882, 18321), (909, 18372), (950, 18468), (971, 18528),

Gene: Palestino_26 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Palestino_26:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Palpatine_24 Start: 19847, Stop: 21442, Start Num: 197

Candidate Starts for Palpatine_24:

(Start: 137 @19763 has 84 MA's), (Start: 197 @19847 has 47 MA's), (Start: 239 @19925 has 1 MA's), (272, 20012), (282, 20027), (301, 20075), (315, 20114), (363, 20201), (380, 20234), (404, 20270), (417, 20300), (418, 20306), (441, 20375), (483, 20405), (487, 20417), (488, 20420), (510, 20477), (587, 20609), (589, 20615), (617, 20681), (620, 20687), (626, 20711), (647, 20759), (659, 20783), (665, 20792), (695, 20867), (761, 20918), (772, 20933), (833, 21095), (841, 21122), (851, 21152), (890, 21257), (938, 21335), (947, 21371), (950, 21380), (959, 21413), (965, 21428),

Gene: Panamaxus_27 Start: 20455, Stop: 22254, Start Num: 145

Candidate Starts for Panamaxus_27:

(Start: 145 @20455 has 749 MA's), (Start: 191 @20515 has 1 MA's), (233, 20584), (297, 20686), (303, 20698), (304, 20701), (349, 20776), (361, 20791), (381, 20830), (440, 20965), (470, 21034), (516, 21148), (560, 21274), (616, 21388), (623, 21412), (627, 21424), (629, 21430), (675, 21511), (701, 21586), (708, 21604), (710, 21613), (717, 21637), (720, 21643), (729, 21658), (749, 21691), (777, 21736), (779, 21739), (791, 21760), (833, 21889), (865, 21985), (905, 22090), (907, 22096), (959, 22231),

Gene: Panchino_18 Start: 14966, Stop: 16675, Start Num: 134

Candidate Starts for Panchino_18:

(Start: 134 @14966 has 40 MA's), (161, 14993), (185, 15032), (Start: 228 @15098 has 2 MA's), (232, 15110), (245, 15146), (254, 15170), (263, 15197), (272, 15218), (277, 15227), (282, 15233), (296, 15266), (379, 15440), (383, 15446), (389, 15455), (395, 15464), (404, 15476), (415, 15500), (427, 15542), (438, 15575), (481, 15626), (482, 15629), (486, 15641), (501, 15683), (509, 15698), (510, 15704), (523, 15752), (554, 15806), (586, 15830), (616, 15902), (636, 15956), (644, 15965), (647, 15974), (659, 15998), (670, 16025), (671, 16028), (755, 16133), (761, 16142), (785, 16181), (814, 16262), (832, 16319), (844, 16358), (886, 16472), (905, 16502), (906, 16505), (916, 16529), (938, 16565),

Gene: PantheRoc_18 Start: 17095, Stop: 18693, Start Num: 268

Candidate Starts for PantheRoc_18:

(Start: 268 @17095 has 52 MA's), (418, 17353), (424, 17371), (425, 17374), (443, 17428), (472, 17503), (496, 17572), (499, 17581), (505, 17593), (509, 17605), (521, 17644), (529, 17671), (532, 17680), (534, 17683), (582, 17716), (605, 17773), (628, 17839), (683, 17950), (705, 18010), (745, 18112), (779, 18169), (813, 18259), (894, 18499), (932, 18577),

Gene: Paola_21 Start: 17495, Stop: 19267, Start Num: 150

Candidate Starts for Paola_21:

(Start: 150 @17495 has 25 MA's), (155, 17501), (172, 17525), (Start: 193 @17558 has 1 MA's), (222, 17606), (244, 17660), (261, 17711), (291, 17774), (341, 17882), (404, 17990), (443, 18104), (444, 18107), (465, 18146), (482, 18161), (486, 18173), (488, 18179), (504, 18221), (508, 18227), (520, 18266), (527, 18290), (586, 18392), (613, 18455), (627, 18500), (693, 18635), (754, 18734), (802, 18812), (808, 18836), (810, 18842), (814, 18857), (845, 18953), (847, 18959), (914, 19112), (955, 19217), (956, 19220), (960, 19238),

Gene: Paperbeatsrock_26 Start: 20726, Stop: 22405, Start Num: 137

Candidate Starts for Paperbeatsrock_26:

(Start: 137 @20726 has 84 MA's), (Start: 197 @20810 has 47 MA's), (Start: 239 @20888 has 1 MA's), (272, 20975), (282, 20990), (301, 21038), (315, 21077), (363, 21164), (380, 21197), (404, 21233), (417, 21263), (418, 21269), (441, 21338), (483, 21368), (487, 21380), (488, 21383), (510, 21440), (587, 21572), (589, 21578), (617, 21644), (620, 21650), (626, 21674), (647, 21722), (659, 21746), (665, 21755), (695, 21830), (761, 21881), (772, 21896), (833, 22058), (841, 22085), (851, 22115), (890, 22220), (938, 22298), (947, 22334), (950, 22343), (959, 22376), (965, 22391),

Gene: Papez_29 Start: 22831, Stop: 24612, Start Num: 166

Candidate Starts for Papez_29:

(Start: 148 @22810 has 202 MA's), (Start: 166 @22831 has 28 MA's), (Start: 191 @22873 has 1 MA's), (215, 22918), (349, 23134), (376, 23179), (381, 23188), (407, 23227), (425, 23278), (426, 23281), (507, 23476), (528, 23545), (616, 23746), (617, 23749), (623, 23770), (674, 23866), (675, 23869), (677, 23875), (701, 23944), (708, 23962), (710, 23971), (720, 24001), (779, 24097), (795, 24130), (802, 24145), (845, 24286), (865, 24343), (907, 24454),

Gene: Paphu_26 Start: 20886, Stop: 22688, Start Num: 148

Candidate Starts for Paphu_26:

(Start: 145 @20883 has 749 MA's), (Start: 148 @20886 has 202 MA's), (Start: 166 @20907 has 28 MA's), (Start: 191 @20949 has 1 MA's), (215, 20994), (349, 21210), (376, 21255), (381, 21264), (407, 21303), (425, 21354), (426, 21357), (507, 21552), (528, 21621), (616, 21822), (617, 21825), (623, 21846), (674, 21942), (675, 21945), (677, 21951), (701, 22020), (708, 22038), (710, 22047), (720, 22077), (779, 22173), (795, 22206), (802, 22221), (845, 22362), (865, 22419), (907, 22530), (966, 22683),

Gene: Parada_22 Start: 17344, Stop: 19050, Start Num: 187

Candidate Starts for Parada_22:

(131, 17269), (Start: 187 @17344 has 15 MA's), (Start: 239 @17437 has 1 MA's), (244, 17452), (246, 17458), (275, 17533), (305, 17605), (359, 17716), (384, 17761), (395, 17779), (404, 17791), (486, 17962), (489, 17971), (491, 17977), (504, 18010), (523, 18073), (542, 18124), (564, 18148), (585, 18172), (616, 18247), (628, 18286), (691, 18418), (758, 18532), (808, 18619), (844, 18733), (847, 18742), (886, 18847), (936, 18934), (971, 19042),

Gene: Paraselene_26 Start: 21257, Stop: 23059, Start Num: 148

Candidate Starts for Paraselene_26:

(Start: 148 @21257 has 202 MA's), (Start: 166 @21278 has 28 MA's), (Start: 191 @21320 has 1 MA's), (215, 21365), (349, 21581), (376, 21626), (381, 21635), (407, 21674), (425, 21725), (426, 21728), (507, 21923), (528, 21992), (616, 22193), (617, 22196), (623, 22217), (674, 22313), (675, 22316), (677, 22322), (701, 22391), (708, 22409), (710, 22418), (720, 22448), (779, 22544), (795, 22577), (802, 22592), (845, 22733), (865, 22790), (907, 22901),

Gene: Pari_28 Start: 20846, Stop: 22648, Start Num: 148

Candidate Starts for Pari_28:

(Start: 148 @20846 has 202 MA's), (Start: 166 @20867 has 28 MA's), (Start: 191 @20909 has 1 MA's), (215, 20954), (349, 21170), (376, 21215), (381, 21224), (425, 21314), (426, 21317), (463, 21410), (507, 21512), (528, 21581), (612, 21770), (616, 21782), (617, 21785), (623, 21806), (674, 21902), (675, 21905), (677, 21911), (701, 21980), (708, 21998), (710, 22007), (720, 22037), (779, 22133), (795, 22166), (802, 22181), (845, 22322), (865, 22379), (907, 22490), (966, 22643),

Gene: Paries_37 Start: 31409, Stop: 33172, Start Num: 107

Candidate Starts for Paries_37:

(100, 31391), (Start: 107 @31409 has 72 MA's), (Start: 126 @31445 has 1 MA's), (216, 31583), (259, 31679), (265, 31688), (319, 31757), (349, 31808), (376, 31853), (385, 31868), (425, 31949), (440, 31994), (443, 32003), (487, 32093), (495, 32123), (503, 32138), (510, 32162), (520, 32192), (586, 32297), (629, 32414), (644, 32432), (649, 32447), (668, 32477), (674, 32489), (675, 32492), (686, 32519), (844, 32840), (845, 32843), (846, 32846), (862, 32894), (875, 32921), (884, 32948), (905, 33002), (912, 33026), (913, 33029), (951, 33119), (966, 33167),

Gene: Parliament_26 Start: 21181, Stop: 22983, Start Num: 148

Candidate Starts for Parliament_26:

(Start: 148 @21181 has 202 MA's), (Start: 166 @21202 has 28 MA's), (Start: 191 @21244 has 1 MA's), (215, 21289), (349, 21505), (376, 21550), (381, 21559), (425, 21649), (426, 21652), (434, 21676), (463, 21745), (507, 21847), (528, 21916), (612, 22105), (616, 22117), (617, 22120), (623, 22141), (674, 22237), (675, 22240), (677, 22246), (701, 22315), (708, 22333), (710, 22342), (720, 22372), (779, 22468), (795, 22501), (802, 22516), (845, 22657), (865, 22714), (907, 22825),

Gene: Parmesanjohn_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Parmesanjohn_18:

(Start: 134 @14989 has 40 MA's), (161, 15016), (Start: 228 @15121 has 2 MA's), (232, 15133), (245, 15169), (263, 15220), (277, 15250), (282, 15256), (294, 15283), (296, 15289), (349, 15409), (379, 15463), (383, 15469), (395, 15487), (404, 15499), (406, 15502), (415, 15523), (427, 15565), (438, 15598), (481, 15649), (486, 15664), (501, 15706), (509, 15721), (510, 15727), (523, 15775), (535, 15799), (554, 15829), (586, 15853), (612, 15913), (616, 15925), (636, 15979), (644, 15988), (670, 16048), (671, 16051), (755, 16156), (761, 16165), (785, 16204), (832, 16342), (885, 16492), (886, 16495), (889, 16504), (905, 16525), (916, 16552), (938, 16588), (965, 16681),

Gene: Partridge_23 Start: 16382, Stop: 18007, Start Num: 173

Candidate Starts for Partridge_23:

(Start: 162 @16367 has 3 MA's), (Start: 173 @16382 has 32 MA's), (210, 16451), (236, 16487), (349, 16673), (421, 16802), (434, 16844), (440, 16862), (443, 16871), (450, 16895), (463, 16913), (481, 16943), (486, 16958), (487, 16961), (501, 17000), (507, 17009), (535, 17093), (609, 17210), (617, 17234), (674, 17348), (701, 17426), (713, 17465), (717, 17477), (721, 17486), (757, 17507), (802, 17585), (860, 17732), (900, 17831), (905, 17846), (965, 17999),

Gene: PascalRango_26 Start: 20874, Stop: 22676, Start Num: 148

Candidate Starts for PascalRango_26:

(Start: 148 @20874 has 202 MA's), (Start: 166 @20895 has 28 MA's), (Start: 191 @20937 has 1 MA's), (215, 20982), (349, 21198), (376, 21243), (381, 21252), (407, 21291), (425, 21342), (426, 21345), (463, 21438), (507, 21540), (528, 21609), (616, 21810), (617, 21813), (623, 21834), (674, 21930), (675, 21933), (677, 21939), (701, 22008), (708, 22026), (710, 22035), (720, 22065), (779, 22161), (795, 22194), (802, 22209), (845, 22350), (865, 22407), (907, 22518),

Gene: Pat3_23 Start: 18472, Stop: 20151, Start Num: 137

Candidate Starts for Pat3_23:

(Start: 137 @18472 has 84 MA's), (Start: 197 @18556 has 47 MA's), (Start: 239 @18634 has 1 MA's), (272, 18721), (282, 18736), (301, 18784), (315, 18823), (363, 18910), (380, 18943), (404, 18979),

(417, 19009), (418, 19015), (441, 19084), (483, 19114), (487, 19126), (488, 19129), (510, 19186), (587, 19318), (589, 19324), (617, 19390), (620, 19396), (626, 19420), (647, 19468), (659, 19492), (665, 19501), (695, 19576), (761, 19627), (772, 19642), (833, 19804), (841, 19831), (851, 19861), (890, 19966), (938, 20044), (947, 20080), (950, 20089), (959, 20122), (965, 20137),

Gene: Patio_44 Start: 30694, Stop: 32316, Start Num: 260

Candidate Starts for Patio_44:

(Start: 260 @30694 has 35 MA's), (322, 30811), (363, 30889), (443, 31051), (447, 31063), (452, 31078), (484, 31144), (489, 31159), (527, 31270), (538, 31300), (539, 31303), (572, 31360), (592, 31408), (604, 31432), (643, 31537), (688, 31624), (704, 31672), (756, 31798), (757, 31801), (780, 31834), (801, 31861), (810, 31891), (851, 32020), (865, 32059), (920, 32164), (943, 32227), (947, 32239), (951, 32251), (953, 32260), (964, 32296),

Gene: Patt_24 Start: 18364, Stop: 20151, Start Num: 145

Candidate Starts for Patt_24:

(Start: 121 @18325 has 1 MA's), (Start: 138 @18355 has 25 MA's), (Start: 143 @18361 has 53 MA's), (Start: 145 @18364 has 749 MA's), (Start: 193 @18421 has 1 MA's), (222, 18469), (Start: 239 @18508 has 1 MA's), (244, 18523), (251, 18541), (261, 18574), (276, 18604), (298, 18649), (304, 18667), (338, 18739), (341, 18745), (357, 18775), (359, 18778), (395, 18841), (404, 18853), (456, 18988), (486, 19036), (488, 19042), (493, 19060), (508, 19090), (520, 19129), (586, 19255), (612, 19315), (613, 19318), (623, 19351), (693, 19519), (710, 19573), (754, 19618), (781, 19663), (797, 19687), (808, 19720), (820, 19753), (823, 19762), (841, 19825), (845, 19837), (862, 19888), (865, 19894), (914, 19996), (960, 20122), (971, 20143),

Gene: PattyP_29 Start: 21382, Stop: 23184, Start Num: 148

Candidate Starts for PattyP_29:

(Start: 148 @21382 has 202 MA's), (Start: 166 @21403 has 28 MA's), (Start: 191 @21445 has 1 MA's), (215, 21490), (349, 21706), (376, 21751), (381, 21760), (407, 21799), (425, 21850), (426, 21853), (507, 22048), (528, 22117), (616, 22318), (617, 22321), (623, 22342), (674, 22438), (675, 22441), (677, 22447), (701, 22516), (708, 22534), (710, 22543), (720, 22573), (779, 22669), (795, 22702), (802, 22717), (845, 22858), (865, 22915), (907, 23026),

Gene: Pawn_30 Start: 20460, Stop: 22256, Start Num: 145

Candidate Starts for Pawn_30:

(Start: 145 @20460 has 749 MA's), (Start: 191 @20517 has 1 MA's), (199, 20532), (233, 20586), (Start: 239 @20601 has 1 MA's), (297, 20688), (303, 20700), (304, 20703), (349, 20778), (361, 20793), (470, 21036), (528, 21189), (560, 21276), (609, 21369), (616, 21390), (623, 21414), (627, 21426), (629, 21432), (675, 21513), (701, 21588), (708, 21606), (710, 21615), (717, 21639), (720, 21645), (729, 21660), (739, 21684), (777, 21738), (779, 21741), (791, 21762), (905, 22092), (907, 22098), (959, 22233),

Gene: Payneful_26 Start: 20651, Stop: 22432, Start Num: 166

Candidate Starts for Payneful_26:

(Start: 148 @20630 has 202 MA's), (Start: 166 @20651 has 28 MA's), (Start: 191 @20693 has 1 MA's), (215, 20738), (349, 20954), (376, 20999), (381, 21008), (407, 21047), (425, 21098), (426, 21101), (507, 21296), (528, 21365), (616, 21566), (617, 21569), (623, 21590), (674, 21686), (675, 21689), (677, 21695), (701, 21764), (708, 21782), (710, 21791), (720, 21821), (779, 21917), (795, 21950), (802, 21965), (845, 22106), (865, 22163), (907, 22274),

Gene: PeaceMeal1_26 Start: 17890, Stop: 19668, Start Num: 145

Candidate Starts for PeaceMeal1_26:

(Start: 128 @17866 has 10 MA's), (Start: 145 @17890 has 749 MA's), (Start: 191 @17947 has 1 MA's), (199, 17962), (233, 18016), (303, 18130), (304, 18133), (349, 18208), (373, 18247), (434,

18379), (470, 18466), (501, 18541), (516, 18580), (528, 18619), (560, 18706), (587, 18751), (616, 18820), (623, 18844), (627, 18856), (629, 18862), (708, 19036), (710, 19045), (717, 19069), (720, 19075), (729, 19090), (757, 19123), (791, 19174), (810, 19231), (811, 19237), (865, 19399), (905, 19504), (907, 19510), (909, 19519), (959, 19645),

Gene: Peaches_27 Start: 19826, Stop: 21604, Start Num: 145

Candidate Starts for Peaches_27:

(Start: 128 @19802 has 10 MA's), (Start: 145 @19826 has 749 MA's), (Start: 191 @19883 has 1 MA's), (Start: 220 @19937 has 45 MA's), (233, 19952), (240, 19970), (297, 20054), (303, 20066), (304, 20069), (349, 20144), (361, 20159), (381, 20198), (434, 20315), (470, 20402), (504, 20483), (521, 20531), (528, 20555), (560, 20642), (587, 20687), (617, 20759), (623, 20780), (629, 20798), (675, 20879), (708, 20972), (710, 20981), (717, 21005), (720, 21011), (731, 21035), (779, 21089), (791, 21110), (808, 21161), (815, 21185), (833, 21239), (865, 21335), (905, 21440), (909, 21455), (954, 21563), (959, 21581),

Gene: Peanam_23 Start: 16514, Stop: 18280, Start Num: 145

Candidate Starts for Peanam_23:

(Start: 138 @16505 has 25 MA's), (Start: 145 @16514 has 749 MA's), (Start: 150 @16520 has 25 MA's), (Start: 170 @16544 has 1 MA's), (Start: 193 @16583 has 1 MA's), (Start: 239 @16670 has 1 MA's), (244, 16685), (251, 16703), (261, 16736), (276, 16766), (338, 16901), (357, 16937), (404, 17015), (409, 17024), (443, 17129), (444, 17132), (465, 17171), (486, 17198), (488, 17204), (504, 17246), (508, 17252), (516, 17279), (586, 17417), (593, 17435), (628, 17525), (647, 17552), (666, 17585), (693, 17657), (710, 17711), (750, 17747), (763, 17771), (797, 17816), (808, 17849), (812, 17864), (820, 17882), (823, 17891), (845, 17966), (862, 18017), (865, 18023), (914, 18125), (960, 18251), (961, 18254), (971, 18272),

Gene: Peeb_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Peeb_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (222, 16739), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Peel_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Peel_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: PegLeg_28 Start: 22367, Stop: 24103, Start Num: 147

Candidate Starts for PegLeg_28:

(66, 22145), (Start: 115 @22325 has 3 MA's), (Start: 124 @22340 has 2 MA's), (Start: 147 @22367 has 14 MA's), (Start: 166 @22382 has 28 MA's), (189, 22421), (205, 22451), (207, 22457), (215, 22469), (271, 22574), (274, 22589), (303, 22628), (372, 22751), (376, 22760), (423, 22856), (437, 22898), (438, 22901), (510, 23078), (552, 23189), (583, 23216), (609, 23288), (612, 23297), (613, 23300), (617, 23312), (674, 23432), (675, 23435), (691, 23477), (700, 23507), (703, 23513), (783, 23633), (787, 23639), (936, 23993), (944, 24020), (950, 24038), (952, 24047),

Gene: Pelly_28 Start: 21801, Stop: 23603, Start Num: 148

Candidate Starts for Pelly_28:

(Start: 148 @21801 has 202 MA's), (Start: 166 @21822 has 28 MA's), (Start: 191 @21864 has 1 MA's), (215, 21909), (349, 22125), (376, 22170), (381, 22179), (407, 22218), (425, 22269), (426, 22272), (507, 22467), (528, 22536), (616, 22737), (617, 22740), (623, 22761), (674, 22857), (675, 22860), (677, 22866), (701, 22935), (708, 22953), (710, 22962), (720, 22992), (779, 23088), (795, 23121), (802, 23136), (810, 23166), (845, 23277), (865, 23334), (907, 23445),

Gene: Pembroke_29 Start: 20380, Stop: 22176, Start Num: 145

Candidate Starts for Pembroke_29:

(Start: 145 @20380 has 749 MA's), (Start: 191 @20437 has 1 MA's), (199, 20452), (216, 20485), (233, 20506), (Start: 239 @20521 has 1 MA's), (297, 20608), (303, 20620), (304, 20623), (349, 20698), (361, 20713), (379, 20749), (470, 20956), (516, 21070), (528, 21109), (560, 21196), (616, 21310), (623, 21334), (629, 21352), (675, 21433), (701, 21508), (708, 21526), (717, 21559), (720, 21565), (739, 21604), (777, 21658), (779, 21661), (791, 21682), (810, 21739), (865, 21907), (905, 22012), (907, 22018), (959, 22153),

Gene: Penny1_29 Start: 20379, Stop: 22175, Start Num: 145

Candidate Starts for Penny1_29:

(Start: 145 @20379 has 749 MA's), (Start: 191 @20436 has 1 MA's), (199, 20451), (216, 20484), (233, 20505), (Start: 239 @20520 has 1 MA's), (297, 20607), (303, 20619), (304, 20622), (349, 20697), (361, 20712), (379, 20748), (470, 20955), (516, 21069), (528, 21108), (560, 21195), (616, 21309), (623, 21333), (629, 21351), (675, 21432), (701, 21507), (708, 21525), (717, 21558), (720, 21564), (739, 21603), (777, 21657), (779, 21660), (791, 21681), (810, 21738), (865, 21906), (905, 22011), (907, 22017), (959, 22152),

Gene: Pepe_28 Start: 21983, Stop: 23785, Start Num: 148

Candidate Starts for Pepe_28:

(Start: 148 @21983 has 202 MA's), (Start: 166 @22004 has 28 MA's), (Start: 191 @22046 has 1 MA's), (215, 22091), (349, 22307), (376, 22352), (381, 22361), (407, 22400), (425, 22451), (426, 22454), (507, 22649), (528, 22718), (616, 22919), (617, 22922), (623, 22943), (674, 23039), (675, 23042), (677, 23048), (701, 23117), (708, 23135), (710, 23144), (720, 23174), (779, 23270), (795, 23303), (802, 23318), (845, 23459), (865, 23516), (907, 23627),

Gene: Pepperoni_17 Start: 15014, Stop: 16723, Start Num: 269

Candidate Starts for Pepperoni_17:

(208, 14879), (Start: 269 @15014 has 31 MA's), (359, 15203), (361, 15206), (405, 15281), (429, 15335), (452, 15404), (489, 15494), (490, 15497), (532, 15629), (547, 15683), (581, 15764), (605, 15824), (608, 15830), (645, 15911), (688, 15989), (694, 16007), (707, 16046), (731, 16118), (732, 16121), (745, 16142), (841, 16376), (846, 16391), (860, 16433), (893, 16526), (894, 16529), (918, 16577), (932, 16607),

Gene: Periodt_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Periodt_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Periwinkle_22 Start: 16893, Stop: 18590, Start Num: 145

Candidate Starts for Periwinkle_22:

(Start: 121 @16854 has 1 MA's), (Start: 145 @16893 has 749 MA's), (Start: 156 @16905 has 4 MA's), (205, 16983), (216, 17004), (244, 17052), (247, 17061), (261, 17103), (303, 17139), (329, 17196), (344, 17217), (360, 17244), (375, 17271), (434, 17400), (463, 17469), (469, 17487), (478, 17496), (481, 17502), (495, 17550), (508, 17580), (519, 17616), (521, 17622), (527, 17643), (528, 17646), (549, 17697), (584, 17727), (594, 17754), (606, 17781), (632, 17853), (655, 17892), (687, 17946), (700, 17988), (730, 18063), (783, 18126), (796, 18153), (798, 18156), (804, 18171), (841, 18255), (844, 18264), (845, 18267), (847, 18273), (851, 18285), (853, 18288), (863, 18318), (866, 18324), (875, 18345), (877, 18348), (894, 18402), (907, 18432), (909, 18441), (937, 18492), (947, 18525), (951, 18537), (956, 18555),

Gene: Perplexer_27 Start: 19823, Stop: 21622, Start Num: 145

Candidate Starts for Perplexer_27:

(Start: 128 @19799 has 10 MA's), (Start: 145 @19823 has 749 MA's), (Start: 150 @19829 has 25 MA's), (Start: 191 @19883 has 1 MA's), (233, 19952), (261, 20030), (297, 20054), (304, 20069), (328, 20105), (349, 20144), (361, 20159), (426, 20291), (434, 20315), (470, 20402), (516, 20516), (528, 20555), (560, 20642), (587, 20687), (616, 20756), (623, 20780), (627, 20792), (675, 20879), (701, 20954), (708, 20972), (710, 20981), (717, 21005), (720, 21011), (729, 21026), (749, 21059), (777, 21104), (779, 21107), (791, 21128), (865, 21353), (894, 21431), (905, 21458), (907, 21464), (959, 21599),

Gene: Perseus_28 Start: 21723, Stop: 23525, Start Num: 148

Candidate Starts for Perseus_28:

(Start: 148 @21723 has 202 MA's), (Start: 166 @21744 has 28 MA's), (Start: 191 @21786 has 1 MA's), (215, 21831), (349, 22047), (376, 22092), (381, 22101), (407, 22140), (425, 22191), (426, 22194), (448, 22263), (507, 22389), (528, 22458), (616, 22659), (617, 22662), (623, 22683), (674, 22779), (675, 22782), (677, 22788), (701, 22857), (708, 22875), (710, 22884), (720, 22914), (779, 23010), (795, 23043), (802, 23058), (845, 23199), (865, 23256), (907, 23367), (966, 23520),

Gene: PeterPeter_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for PeterPeter_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (415, 20256), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Petersenfast_27 Start: 20752, Stop: 22551, Start Num: 145

Candidate Starts for Petersenfast_27:

(103, 20686), (Start: 128 @20728 has 10 MA's), (Start: 145 @20752 has 749 MA's), (185, 20794), (240, 20890), (246, 20905), (303, 20986), (304, 20989), (349, 21064), (361, 21079), (381, 21118), (385, 21124), (415, 21175), (434, 21235), (436, 21241), (470, 21322), (507, 21406), (551, 21532), (558, 21550), (574, 21577), (629, 21718), (668, 21784), (674, 21796), (675, 21799), (749, 21988), (765, 22015), (773, 22024), (783, 22045), (785, 22048), (795, 22069), (802, 22084), (808, 22108), (832, 22183), (836, 22198), (865, 22282), (905, 22387), (907, 22393), (935, 22447), (966, 22546),

Gene: Peterson_30 Start: 23011, Stop: 24813, Start Num: 148

Candidate Starts for Peterson_30:

(Start: 148 @23011 has 202 MA's), (Start: 166 @23032 has 28 MA's), (Start: 191 @23074 has 1 MA's), (215, 23119), (349, 23335), (376, 23380), (381, 23389), (407, 23428), (425, 23479), (426,

23482), (434, 23506), (507, 23677), (528, 23746), (612, 23935), (616, 23947), (617, 23950), (623, 23971), (674, 24067), (675, 24070), (677, 24076), (701, 24145), (708, 24163), (710, 24172), (720, 24202), (779, 24298), (795, 24331), (802, 24346), (845, 24487), (865, 24544), (907, 24655), (966, 24808),

Gene: PeteyPab_33 Start: 29327, Stop: 30925, Start Num: 262

Candidate Starts for PeteyPab_33:

(Start: 262 @29327 has 8 MA's), (327, 29426), (363, 29495), (383, 29534), (442, 29669), (467, 29729), (530, 29882), (535, 29894), (537, 29903), (538, 29906), (568, 29951), (572, 29966), (578, 29975), (582, 29984), (604, 30038), (611, 30056), (630, 30110), (719, 30326), (767, 30419), (821, 30527), (835, 30581), (861, 30656), (922, 30785), (963, 30911),

Gene: PetiteSangsue_27 Start: 19826, Stop: 21625, Start Num: 145

Candidate Starts for PetiteSangsue_27:

(Start: 128 @19802 has 10 MA's), (Start: 145 @19826 has 749 MA's), (Start: 150 @19832 has 25 MA's), (Start: 191 @19886 has 1 MA's), (233, 19955), (297, 20057), (304, 20072), (328, 20108), (349, 20147), (361, 20162), (381, 20201), (426, 20294), (434, 20318), (470, 20405), (516, 20519), (528, 20558), (560, 20645), (587, 20690), (616, 20759), (623, 20783), (627, 20795), (675, 20882), (701, 20957), (708, 20975), (710, 20984), (717, 21008), (720, 21014), (729, 21029), (749, 21062), (777, 21107), (779, 21110), (791, 21131), (865, 21356), (894, 21434), (905, 21461), (907, 21467), (959, 21602),

Gene: Petp2012_29 Start: 22053, Stop: 23855, Start Num: 148

Candidate Starts for Petp2012_29:

(Start: 148 @22053 has 202 MA's), (Start: 166 @22074 has 28 MA's), (Start: 191 @22116 has 1 MA's), (215, 22161), (349, 22377), (376, 22422), (381, 22431), (407, 22470), (425, 22521), (426, 22524), (507, 22719), (528, 22788), (616, 22989), (617, 22992), (623, 23013), (674, 23109), (675, 23112), (677, 23118), (701, 23187), (708, 23205), (710, 23214), (720, 23244), (779, 23340), (795, 23373), (802, 23388), (845, 23529), (865, 23586), (907, 23697),

Gene: Petra_21 Start: 17051, Stop: 18697, Start Num: 220

Candidate Starts for Petra_21:

(196, 17015), (Start: 220 @17051 has 45 MA's), (261, 17153), (295, 17231), (324, 17303), (337, 17330), (355, 17369), (390, 17429), (404, 17450), (423, 17504), (428, 17519), (439, 17552), (469, 17600), (470, 17603), (510, 17690), (520, 17720), (620, 17903), (626, 17927), (672, 18011), (695, 18071), (700, 18083), (747, 18143), (810, 18278), (841, 18377), (847, 18395), (865, 18446), (888, 18506), (890, 18512), (927, 18575), (935, 18587),

Gene: Petra64142_26 Start: 20290, Stop: 21885, Start Num: 197

Candidate Starts for Petra64142_26:

(Start: 137 @20206 has 84 MA's), (Start: 197 @20290 has 47 MA's), (Start: 239 @20368 has 1 MA's), (272, 20455), (282, 20470), (301, 20518), (315, 20557), (363, 20644), (380, 20677), (404, 20713), (417, 20743), (418, 20749), (441, 20818), (483, 20848), (487, 20860), (488, 20863), (510, 20920), (587, 21052), (589, 21058), (617, 21124), (620, 21130), (626, 21154), (647, 21202), (659, 21226), (665, 21235), (695, 21310), (761, 21361), (772, 21376), (833, 21538), (841, 21565), (851, 21595), (890, 21700), (938, 21778), (947, 21814), (950, 21823), (959, 21856), (965, 21871),

Gene: Petruccio_28 Start: 21511, Stop: 23313, Start Num: 148

Candidate Starts for Petruccio_28:

(Start: 148 @21511 has 202 MA's), (Start: 166 @21532 has 28 MA's), (Start: 191 @21574 has 1 MA's), (215, 21619), (349, 21835), (376, 21880), (381, 21889), (407, 21928), (425, 21979), (426, 21982), (507, 22177), (528, 22246), (616, 22447), (617, 22450), (623, 22471), (674, 22567), (675, 22570), (701, 22645), (708, 22663), (710, 22672), (720, 22702), (779, 22798), (795, 22831), (802,

22846), (810, 22876), (845, 22987), (865, 23044), (907, 23155),

Gene: PetterN_25 Start: 18946, Stop: 20745, Start Num: 145

Candidate Starts for PetterN_25:

(Start: 145 @18946 has 749 MA's), (304, 19183), (349, 19258), (361, 19273), (379, 19309), (419, 19381), (423, 19396), (434, 19429), (436, 19435), (516, 19630), (523, 19660), (527, 19666), (560, 19756), (587, 19801), (616, 19870), (629, 19912), (637, 19930), (674, 19990), (675, 19993), (708, 20086), (777, 20227), (795, 20263), (798, 20269), (904, 20578), (907, 20587), (959, 20722),

Gene: Ph8s_29 Start: 18919, Stop: 20709, Start Num: 145

Candidate Starts for Ph8s_29:

(103, 18853), (Start: 128 @18895 has 10 MA's), (Start: 145 @18919 has 749 MA's), (Start: 187 @18964 has 15 MA's), (Start: 197 @18979 has 47 MA's), (246, 19072), (303, 19153), (304, 19156), (347, 19228), (349, 19231), (361, 19246), (381, 19285), (385, 19291), (434, 19402), (436, 19408), (445, 19435), (470, 19489), (504, 19570), (560, 19729), (582, 19759), (620, 19852), (629, 19885), (657, 19936), (675, 19966), (717, 20092), (765, 20173), (773, 20182), (795, 20227), (802, 20242), (808, 20266), (832, 20341), (833, 20344), (836, 20356), (865, 20440), (905, 20545), (935, 20605), (959, 20686),

Gene: Phabuloso_20 Start: 16422, Stop: 18119, Start Num: 145

Candidate Starts for Phabuloso_20:

(Start: 121 @16383 has 1 MA's), (Start: 145 @16422 has 749 MA's), (Start: 156 @16434 has 4 MA's), (182, 16473), (205, 16512), (216, 16533), (244, 16581), (247, 16590), (261, 16632), (303, 16668), (329, 16725), (360, 16773), (375, 16800), (438, 16941), (463, 16998), (469, 17016), (478, 17025), (481, 17031), (508, 17109), (519, 17145), (521, 17151), (527, 17172), (528, 17175), (549, 17226), (583, 17253), (584, 17256), (594, 17283), (606, 17310), (632, 17382), (655, 17421), (687, 17475), (700, 17517), (730, 17592), (783, 17655), (796, 17682), (798, 17685), (804, 17700), (841, 17784), (844, 17793), (845, 17796), (847, 17802), (851, 17814), (853, 17817), (863, 17847), (866, 17853), (875, 17874), (877, 17877), (894, 17931), (907, 17961), (909, 17970), (937, 18021), (947, 18054), (951, 18066), (956, 18084),

Gene: Phacado_27 Start: 19826, Stop: 21604, Start Num: 145

Candidate Starts for Phacado_27:

(Start: 128 @19802 has 10 MA's), (Start: 145 @19826 has 749 MA's), (Start: 191 @19883 has 1 MA's), (Start: 220 @19937 has 45 MA's), (233, 19952), (240, 19970), (297, 20054), (303, 20066), (304, 20069), (349, 20144), (361, 20159), (381, 20198), (434, 20315), (470, 20402), (504, 20483), (521, 20531), (528, 20555), (560, 20642), (587, 20687), (617, 20759), (623, 20780), (629, 20798), (675, 20879), (708, 20972), (710, 20981), (717, 21005), (720, 21011), (731, 21035), (779, 21089), (791, 21110), (808, 21161), (815, 21185), (833, 21239), (865, 21335), (905, 21440), (909, 21455), (954, 21563), (959, 21581),

Gene: Phaded_31 Start: 22135, Stop: 23907, Start Num: 145

Candidate Starts for Phaded_31:

(Start: 128 @22111 has 10 MA's), (Start: 145 @22135 has 749 MA's), (Start: 239 @22270 has 1 MA's), (246, 22288), (303, 22369), (304, 22372), (347, 22444), (349, 22447), (415, 22558), (423, 22585), (434, 22618), (448, 22663), (470, 22705), (507, 22789), (560, 22945), (583, 22978), (668, 23167), (675, 23182), (717, 23308), (720, 23314), (795, 23425), (802, 23440), (804, 23446), (808, 23464), (821, 23500), (832, 23539), (836, 23554), (865, 23638), (905, 23743), (907, 23749), (912, 23767), (928, 23794),

Gene: Phaeder_30 Start: 21746, Stop: 23539, Start Num: 143

Candidate Starts for Phaeder_30:

(Start: 143 @21746 has 53 MA's), (Start: 145 @21749 has 749 MA's), (303, 21983), (304, 21986), (347, 22058), (349, 22061), (361, 22076), (381, 22115), (385, 22121), (434, 22232), (470, 22319), (504, 22400), (507, 22403), (582, 22589), (609, 22652), (617, 22676), (620, 22682), (629, 22715), (675, 22796), (717, 22922), (737, 22964), (739, 22967), (779, 23024), (795, 23057), (802, 23072), (832, 23171), (833, 23174), (836, 23186), (865, 23270), (890, 23336), (905, 23375), (907, 23381), (928, 23426), (950, 23483), (951, 23486),

Gene: PhailMary_22 Start: 16671, Stop: 18296, Start Num: 173

Candidate Starts for PhailMary_22:

(Start: 162 @16656 has 3 MA's), (Start: 173 @16671 has 32 MA's), (210, 16740), (236, 16776), (349, 16962), (421, 17091), (434, 17133), (440, 17151), (443, 17160), (450, 17184), (463, 17202), (481, 17232), (486, 17247), (487, 17250), (501, 17289), (507, 17298), (535, 17382), (582, 17436), (587, 17451), (609, 17499), (617, 17523), (674, 17637), (701, 17715), (713, 17754), (717, 17766), (721, 17775), (757, 17796), (802, 17874), (860, 18021), (900, 18120), (905, 18135), (965, 18288),

Gene: Phaja_24 Start: 20006, Stop: 21601, Start Num: 197

Candidate Starts for Phaja_24:

(Start: 137 @19922 has 84 MA's), (Start: 197 @20006 has 47 MA's), (Start: 239 @20084 has 1 MA's), (272, 20171), (282, 20186), (301, 20234), (315, 20273), (363, 20360), (380, 20393), (404, 20429), (417, 20459), (418, 20465), (441, 20534), (483, 20564), (487, 20576), (488, 20579), (510, 20636), (587, 20768), (589, 20774), (617, 20840), (620, 20846), (626, 20870), (647, 20918), (659, 20942), (665, 20951), (695, 21026), (761, 21077), (772, 21092), (833, 21254), (841, 21281), (851, 21311), (890, 21416), (938, 21494), (947, 21530), (950, 21539), (959, 21572), (965, 21587),

Gene: Phalconet_16 Start: 14857, Stop: 16566, Start Num: 132

Candidate Starts for Phalconet_16:

(Start: 132 @14857 has 199 MA's), (Start: 228 @14989 has 2 MA's), (237, 15013), (277, 15118), (282, 15124), (290, 15142), (301, 15172), (349, 15277), (383, 15337), (398, 15358), (404, 15367), (415, 15391), (481, 15517), (486, 15532), (488, 15538), (501, 15574), (503, 15577), (509, 15589), (510, 15595), (523, 15643), (530, 15655), (531, 15661), (586, 15721), (590, 15733), (606, 15769), (612, 15781), (644, 15856), (647, 15865), (656, 15883), (659, 15889), (671, 15919), (755, 16024), (761, 16033), (764, 16036), (785, 16072), (813, 16150), (844, 16249), (851, 16270), (862, 16303), (886, 16363), (889, 16372), (891, 16378), (905, 16393), (906, 16396), (916, 16420), (935, 16450), (940, 16462), (947, 16492), (959, 16534),

Gene: Phalm_19 Start: 16273, Stop: 18009, Start Num: 129

Candidate Starts for Phalm_19:

(Start: 114 @16249 has 2 MA's), (Start: 129 @16273 has 45 MA's), (174, 16333), (185, 16354), (Start: 187 @16357 has 15 MA's), (250, 16477), (263, 16516), (279, 16549), (291, 16573), (341, 16693), (363, 16732), (365, 16738), (411, 16822), (415, 16828), (418, 16840), (425, 16864), (434, 16891), (441, 16909), (470, 16948), (481, 16954), (489, 16978), (510, 17032), (513, 17044), (517, 17053), (537, 17113), (595, 17191), (612, 17230), (622, 17263), (647, 17329), (659, 17353), (669, 17377), (686, 17407), (782, 17521), (788, 17533), (794, 17542), (796, 17551), (830, 17659), (858, 17743), (898, 17842), (950, 17950), (965, 17998),

Gene: PhancyPhin_18 Start: 14990, Stop: 16699, Start Num: 134

Candidate Starts for PhancyPhin_18:

(Start: 134 @14990 has 40 MA's), (161, 15017), (185, 15056), (Start: 228 @15122 has 2 MA's), (232, 15134), (245, 15170), (254, 15194), (263, 15221), (272, 15242), (277, 15251), (282, 15257), (296, 15290), (379, 15464), (383, 15470), (389, 15479), (395, 15488), (404, 15500), (415, 15524), (427, 15566), (438, 15599), (481, 15650), (482, 15653), (486, 15665), (501, 15707), (509, 15722), (510, 15728), (523, 15776), (554, 15830), (586, 15854), (616, 15926), (636, 15980), (644, 15989), (647, 15998), (659, 16022), (670, 16049), (671, 16052), (755, 16157), (761, 16166), (785, 16205), (814,

16286), (832, 16343), (844, 16382), (886, 16496), (905, 16526), (906, 16529), (916, 16553), (938, 16589),

Gene: Phanphagia_16 Start: 14859, Stop: 16568, Start Num: 132

Candidate Starts for Phanphagia_16:

(Start: 132 @14859 has 199 MA's), (198, 14946), (Start: 228 @14991 has 2 MA's), (237, 15015), (277, 15120), (282, 15126), (290, 15144), (301, 15174), (349, 15279), (383, 15339), (398, 15360), (404, 15369), (415, 15393), (438, 15468), (439, 15471), (481, 15519), (486, 15534), (488, 15540), (501, 15576), (503, 15579), (509, 15591), (510, 15597), (523, 15645), (530, 15657), (531, 15663), (586, 15723), (590, 15735), (606, 15771), (612, 15783), (644, 15858), (647, 15867), (656, 15885), (659, 15891), (671, 15921), (755, 16026), (761, 16035), (764, 16038), (785, 16074), (813, 16152), (844, 16251), (851, 16272), (862, 16305), (877, 16335), (886, 16365), (889, 16374), (891, 16380), (905, 16395), (906, 16398), (916, 16422), (935, 16452), (940, 16464), (947, 16494), (959, 16536),

Gene: Phantastic_27 Start: 19872, Stop: 21668, Start Num: 145

Candidate Starts for Phantastic_27:

(Start: 145 @19872 has 749 MA's), (Start: 191 @19929 has 1 MA's), (233, 19998), (297, 20100), (303, 20112), (304, 20115), (349, 20190), (381, 20244), (440, 20379), (470, 20448), (516, 20562), (560, 20688), (616, 20802), (623, 20826), (629, 20844), (675, 20925), (701, 21000), (708, 21018), (710, 21027), (720, 21057), (729, 21072), (739, 21096), (749, 21105), (777, 21150), (779, 21153), (791, 21174), (795, 21186), (865, 21399), (877, 21423), (905, 21504), (907, 21510), (959, 21645),

Gene: Pharaoh_28 Start: 21256, Stop: 23046, Start Num: 145

Candidate Starts for Pharaoh_28:

(Start: 128 @21232 has 10 MA's), (Start: 145 @21256 has 749 MA's), (246, 21409), (247, 21412), (303, 21490), (304, 21493), (323, 21523), (347, 21565), (349, 21568), (361, 21583), (381, 21622), (385, 21628), (415, 21679), (434, 21739), (445, 21772), (470, 21826), (504, 21907), (507, 21910), (558, 22054), (582, 22096), (629, 22222), (675, 22303), (717, 22429), (737, 22471), (779, 22531), (795, 22564), (802, 22579), (804, 22585), (821, 22639), (832, 22678), (836, 22693), (865, 22777), (907, 22888), (928, 22933), (959, 23023),

Gene: Pharb_22 Start: 17427, Stop: 19190, Start Num: 145

Candidate Starts for Pharb_22:

(Start: 138 @17418 has 25 MA's), (Start: 143 @17424 has 53 MA's), (Start: 145 @17427 has 749 MA's), (Start: 166 @17439 has 28 MA's), (219, 17529), (244, 17586), (261, 17637), (276, 17667), (Start: 288 @17691 has 1 MA's), (409, 17931), (413, 17943), (444, 18039), (482, 18093), (488, 18111), (508, 18159), (520, 18198), (531, 18234), (612, 18384), (613, 18387), (622, 18417), (652, 18474), (693, 18567), (710, 18621), (758, 18675), (790, 18705), (797, 18723), (812, 18771), (822, 18795), (829, 18822), (847, 18879), (862, 18924), (909, 19026), (950, 19122), (956, 19143), (960, 19161), (963, 19167), (971, 19182),

Gene: Pharsalus_25 Start: 20526, Stop: 22205, Start Num: 137

Candidate Starts for Pharsalus_25:

(Start: 137 @20526 has 84 MA's), (Start: 197 @20610 has 47 MA's), (Start: 239 @20688 has 1 MA's), (272, 20775), (282, 20790), (301, 20838), (315, 20877), (363, 20964), (380, 20997), (404, 21033), (417, 21063), (418, 21069), (441, 21138), (483, 21168), (487, 21180), (488, 21183), (510, 21240), (587, 21372), (589, 21378), (617, 21444), (620, 21450), (626, 21474), (647, 21522), (659, 21546), (665, 21555), (695, 21630), (761, 21681), (772, 21696), (833, 21858), (841, 21885), (851, 21915), (890, 22020), (938, 22098), (947, 22134), (950, 22143), (959, 22176), (965, 22191),

Gene: Phasih_17 Start: 15342, Stop: 17051, Start Num: 132

Candidate Starts for Phasih_17:

(Start: 132 @15342 has 199 MA's), (198, 15429), (Start: 228 @15474 has 2 MA's), (237, 15498), (277, 15603), (282, 15609), (290, 15627), (301, 15657), (349, 15762), (379, 15816), (383, 15822), (389, 15831), (398, 15843), (404, 15852), (415, 15876), (425, 15912), (427, 15918), (431, 15930), (438, 15951), (439, 15954), (442, 15963), (459, 15978), (467, 15984), (481, 16002), (486, 16017), (488, 16023), (493, 16041), (494, 16044), (501, 16059), (509, 16074), (510, 16080), (520, 16110), (523, 16128), (530, 16140), (531, 16146), (586, 16206), (590, 16218), (606, 16254), (612, 16266), (620, 16287), (644, 16341), (647, 16350), (659, 16374), (671, 16404), (755, 16509), (764, 16521), (785, 16557), (803, 16596), (813, 16635), (844, 16734), (851, 16755), (862, 16788), (877, 16818), (886, 16848), (889, 16857), (891, 16863), (905, 16878), (906, 16881), (914, 16902), (916, 16905), (940, 16947), (947, 16977), (959, 17019), (960, 17025),

Gene: PhatBacter_24 Start: 19774, Stop: 21453, Start Num: 137

Candidate Starts for PhatBacter_24:

(Start: 137 @19774 has 84 MA's), (Start: 197 @19858 has 47 MA's), (Start: 239 @19936 has 1 MA's), (272, 20023), (282, 20038), (301, 20086), (315, 20125), (363, 20212), (380, 20245), (404, 20281), (417, 20311), (418, 20317), (441, 20386), (483, 20416), (487, 20428), (488, 20431), (510, 20488), (587, 20620), (589, 20626), (617, 20692), (620, 20698), (626, 20722), (647, 20770), (659, 20794), (665, 20803), (695, 20878), (761, 20929), (772, 20944), (833, 21106), (841, 21133), (851, 21163), (890, 21268), (938, 21346), (947, 21382), (950, 21391), (959, 21424), (965, 21439),

Gene: Phatniss_17 Start: 15310, Stop: 17019, Start Num: 132

Candidate Starts for Phatniss_17:

(Start: 132 @15310 has 199 MA's), (198, 15397), (Start: 228 @15442 has 2 MA's), (237, 15466), (256, 15523), (277, 15571), (282, 15577), (290, 15595), (301, 15625), (349, 15730), (379, 15784), (383, 15790), (389, 15799), (398, 15811), (404, 15820), (415, 15844), (425, 15880), (427, 15886), (431, 15898), (438, 15919), (439, 15922), (442, 15931), (459, 15946), (467, 15952), (481, 15970), (486, 15985), (488, 15991), (493, 16009), (494, 16012), (501, 16027), (509, 16042), (510, 16048), (520, 16078), (523, 16096), (530, 16108), (531, 16114), (586, 16174), (590, 16186), (606, 16222), (612, 16234), (620, 16255), (644, 16309), (647, 16318), (659, 16342), (671, 16372), (755, 16477), (764, 16489), (785, 16525), (803, 16564), (813, 16603), (844, 16702), (851, 16723), (862, 16756), (877, 16786), (886, 16816), (889, 16825), (891, 16831), (905, 16846), (906, 16849), (914, 16870), (916, 16873), (940, 16915), (947, 16945), (959, 16987), (960, 16993),

Gene: Phauci_26 Start: 25726, Stop: 27351, Start Num: 190

Candidate Starts for Phauci_26:

(Start: 190 @25726 has 16 MA's), (198, 25738), (214, 25771), (219, 25780), (227, 25792), (Start: 239 @25822 has 1 MA's), (289, 25939), (294, 25951), (326, 26026), (354, 26086), (371, 26116), (489, 26323), (500, 26353), (517, 26398), (537, 26458), (586, 26506), (616, 26578), (627, 26611), (628, 26614), (649, 26653), (668, 26692), (700, 26779), (701, 26782), (787, 26860), (809, 26920), (824, 26965), (847, 27046), (867, 27100), (909, 27196), (959, 27325), (965, 27340),

Gene: Phaux_23 Start: 19772, Stop: 21451, Start Num: 137

Candidate Starts for Phaux_23:

(Start: 137 @19772 has 84 MA's), (Start: 197 @19856 has 47 MA's), (Start: 239 @19934 has 1 MA's), (272, 20021), (282, 20036), (301, 20084), (315, 20123), (363, 20210), (380, 20243), (404, 20279), (417, 20309), (418, 20315), (441, 20384), (483, 20414), (487, 20426), (488, 20429), (510, 20486), (587, 20618), (589, 20624), (617, 20690), (620, 20696), (626, 20720), (647, 20768), (659, 20792), (665, 20801), (695, 20876), (761, 20927), (772, 20942), (833, 21104), (841, 21131), (851, 21161), (890, 21266), (938, 21344), (947, 21380), (950, 21389), (959, 21422), (965, 21437),

Gene: Phayonce_18 Start: 16079, Stop: 17815, Start Num: 129

Candidate Starts for Phayonce_18:

(Start: 129 @16079 has 45 MA's), (185, 16160), (Start: 187 @16163 has 15 MA's), (218, 16214), (221, 16217), (Start: 228 @16226 has 2 MA's), (250, 16283), (263, 16322), (272, 16343), (279, 16355), (290, 16376), (291, 16379), (294, 16385), (341, 16499), (363, 16538), (365, 16544), (422, 16658), (438, 16709), (441, 16715), (470, 16754), (481, 16760), (489, 16784), (510, 16838), (513, 16850), (517, 16859), (537, 16919), (595, 16997), (612, 17036), (647, 17135), (659, 17159), (669, 17183), (686, 17213), (782, 17327), (788, 17339), (794, 17348), (796, 17357), (830, 17465), (885, 17618), (898, 17648), (959, 17789), (965, 17804),

Gene: Phegasus_19 Start: 16391, Stop: 18127, Start Num: 129

Candidate Starts for Phegasus_19:

(Start: 129 @16391 has 45 MA's), (185, 16472), (Start: 187 @16475 has 15 MA's), (218, 16526), (247, 16589), (250, 16595), (263, 16634), (279, 16667), (291, 16691), (341, 16811), (347, 16826), (363, 16850), (365, 16856), (411, 16940), (425, 16982), (438, 17021), (441, 17027), (470, 17066), (481, 17072), (489, 17096), (510, 17150), (517, 17171), (537, 17231), (595, 17309), (612, 17348), (622, 17381), (647, 17447), (659, 17471), (669, 17495), (686, 17525), (691, 17537), (782, 17639), (788, 17651), (791, 17654), (794, 17660), (796, 17669), (830, 17777), (858, 17861), (898, 17960), (935, 18017), (950, 18068), (965, 18116),

Gene: Phelipe_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Phelipe_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: PhelpsODU_22 Start: 16372, Stop: 18138, Start Num: 145

Candidate Starts for PhelpsODU_22:

(Start: 138 @16363 has 25 MA's), (Start: 145 @16372 has 749 MA's), (Start: 170 @16402 has 1 MA's), (244, 16543), (251, 16561), (261, 16594), (276, 16624), (298, 16669), (338, 16759), (357, 16795), (409, 16882), (439, 16975), (443, 16987), (444, 16990), (456, 17008), (465, 17029), (482, 17044), (486, 17056), (488, 17062), (504, 17104), (508, 17110), (593, 17293), (619, 17353), (663, 17437), (669, 17455), (693, 17515), (742, 17590), (754, 17614), (797, 17674), (808, 17707), (809, 17710), (814, 17728), (823, 17749), (845, 17824), (862, 17875), (875, 17902), (909, 17974), (938, 18025), (960, 18109), (961, 18112), (971, 18130),

Gene: Phendrix_87 Start: 52198, Stop: 53814, Start Num: 192

Candidate Starts for Phendrix_87:

(Start: 192 @52198 has 10 MA's), (Start: 197 @52204 has 47 MA's), (Start: 239 @52288 has 1 MA's), (263, 52357), (279, 52387), (282, 52390), (295, 52420), (308, 52459), (402, 52630), (413, 52654), (419, 52672), (424, 52690), (434, 52720), (487, 52786), (488, 52789), (500, 52822), (521, 52879), (523, 52894), (525, 52897), (527, 52900), (585, 52972), (590, 52987), (600, 53002), (606, 53023), (613, 53038), (676, 53182), (686, 53203), (691, 53218), (768, 53296), (783, 53323), (787, 53329), (809, 53389), (824, 53434), (841, 53491), (844, 53500), (851, 53521), (865, 53560), (886, 53614), (909, 53659), (914, 53668),

Gene: PherrisBueller_28 Start: 20966, Stop: 22768, Start Num: 148

Candidate Starts for PherrisBueller_28:

(Start: 148 @20966 has 202 MA's), (Start: 166 @20987 has 28 MA's), (Start: 191 @21029 has 1 MA's), (215, 21074), (349, 21290), (376, 21335), (381, 21344), (407, 21383), (425, 21434), (426, 21437), (507, 21632), (528, 21701), (616, 21902), (617, 21905), (623, 21926), (674, 22022), (675,

22025), (677, 22031), (701, 22100), (708, 22118), (710, 22127), (720, 22157), (779, 22253), (795, 22286), (802, 22301), (845, 22442), (865, 22499), (907, 22610), (966, 22763),

Gene: PhesterPhotato_16 Start: 14827, Stop: 16536, Start Num: 132

Candidate Starts for PhesterPhotato_16:

(Start: 132 @14827 has 199 MA's), (198, 14914), (Start: 228 @14959 has 2 MA's), (237, 14983), (277, 15088), (282, 15094), (290, 15112), (301, 15142), (349, 15247), (383, 15307), (398, 15328), (404, 15337), (415, 15361), (481, 15487), (486, 15502), (488, 15508), (501, 15544), (503, 15547), (509, 15559), (510, 15565), (523, 15613), (530, 15625), (531, 15631), (586, 15691), (590, 15703), (606, 15739), (612, 15751), (644, 15826), (647, 15835), (656, 15853), (659, 15859), (671, 15889), (755, 15994), (761, 16003), (764, 16006), (785, 16042), (813, 16120), (844, 16219), (851, 16240), (862, 16273), (877, 16303), (886, 16333), (889, 16342), (891, 16348), (905, 16363), (906, 16366), (916, 16390), (935, 16420), (940, 16432), (947, 16462), (959, 16504),

Gene: Phighter1804_27 Start: 19805, Stop: 21583, Start Num: 145

Candidate Starts for Phighter1804_27:

(Start: 128 @19781 has 10 MA's), (Start: 145 @19805 has 749 MA's), (Start: 191 @19862 has 1 MA's), (Start: 220 @19916 has 45 MA's), (233, 19931), (240, 19949), (297, 20033), (303, 20045), (304, 20048), (349, 20123), (361, 20138), (381, 20177), (434, 20294), (470, 20381), (504, 20462), (521, 20510), (528, 20534), (560, 20621), (587, 20666), (617, 20738), (623, 20759), (629, 20777), (708, 20951), (710, 20960), (717, 20984), (720, 20990), (731, 21014), (779, 21068), (791, 21089), (808, 21140), (815, 21164), (833, 21218), (865, 21314), (905, 21419), (909, 21434), (954, 21542), (959, 21560),

Gene: Phillis_24 Start: 18628, Stop: 20418, Start Num: 145

Candidate Starts for Phillis_24:

(Start: 128 @18604 has 10 MA's), (Start: 145 @18628 has 749 MA's), (213, 18721), (240, 18766), (304, 18865), (328, 18901), (349, 18940), (361, 18955), (379, 18991), (434, 19111), (436, 19117), (488, 19237), (535, 19366), (560, 19438), (616, 19552), (708, 19768), (716, 19798), (717, 19801), (779, 19903), (795, 19936), (802, 19951), (810, 19981), (904, 20251), (907, 20260), (909, 20269), (956, 20383),

Gene: Philonius_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Philonius_18:

(Start: 134 @14989 has 40 MA's), (161, 15016), (Start: 228 @15121 has 2 MA's), (232, 15133), (245, 15169), (263, 15220), (277, 15250), (282, 15256), (294, 15283), (296, 15289), (349, 15409), (379, 15463), (383, 15469), (395, 15487), (404, 15499), (406, 15502), (415, 15523), (427, 15565), (438, 15598), (481, 15649), (486, 15664), (501, 15706), (509, 15721), (510, 15727), (523, 15775), (535, 15799), (554, 15829), (586, 15853), (612, 15913), (616, 15925), (636, 15979), (644, 15988), (670, 16048), (671, 16051), (755, 16156), (761, 16165), (785, 16204), (832, 16342), (885, 16492), (886, 16495), (889, 16504), (905, 16525), (916, 16552), (938, 16588), (965, 16681),

Gene: Philus_16 Start: 14812, Stop: 16521, Start Num: 132

Candidate Starts for Philus_16:

(Start: 132 @14812 has 199 MA's), (198, 14899), (Start: 228 @14944 has 2 MA's), (237, 14968), (256, 15025), (277, 15073), (282, 15079), (290, 15097), (301, 15127), (349, 15232), (379, 15286), (383, 15292), (389, 15301), (404, 15322), (415, 15346), (425, 15382), (427, 15388), (438, 15421), (439, 15424), (442, 15433), (459, 15448), (467, 15454), (481, 15472), (486, 15487), (488, 15493), (493, 15511), (494, 15514), (501, 15529), (509, 15544), (510, 15550), (523, 15598), (530, 15610), (531, 15616), (586, 15676), (590, 15688), (606, 15724), (612, 15736), (644, 15811), (647, 15820), (656, 15838), (659, 15844), (671, 15874), (755, 15979), (764, 15991), (785, 16027), (813, 16105), (851, 16225), (862, 16258), (877, 16288), (880, 16300), (886, 16318), (888, 16324), (889, 16327), (891, 16333), (905, 16348), (906, 16351), (914, 16372), (916, 16375), (940, 16417), (947, 16447), (959,

16489), (960, 16495),

Gene: Phinally_33 Start: 29134, Stop: 30759, Start Num: 190

Candidate Starts for Phinally_33:

(Start: 154 @29077 has 21 MA's), (Start: 190 @29134 has 16 MA's), (198, 29146), (214, 29179), (219, 29188), (227, 29200), (Start: 239 @29230 has 1 MA's), (251, 29263), (289, 29347), (294, 29359), (326, 29434), (354, 29494), (371, 29524), (489, 29731), (500, 29761), (516, 29803), (517, 29806), (537, 29866), (586, 29914), (616, 29986), (627, 30019), (628, 30022), (649, 30061), (668, 30100), (700, 30187), (701, 30190), (787, 30268), (809, 30328), (824, 30373), (847, 30454), (867, 30508), (909, 30604), (959, 30733), (965, 30748),

Gene: Phineas_19 Start: 16382, Stop: 18118, Start Num: 129

Candidate Starts for Phineas_19:

(Start: 114 @16358 has 2 MA's), (Start: 129 @16382 has 45 MA's), (174, 16442), (185, 16463), (Start: 187 @16466 has 15 MA's), (250, 16586), (263, 16625), (279, 16658), (291, 16682), (341, 16802), (363, 16841), (365, 16847), (411, 16931), (415, 16937), (418, 16949), (425, 16973), (434, 17000), (441, 17018), (470, 17057), (481, 17063), (489, 17087), (510, 17141), (513, 17153), (517, 17162), (537, 17222), (595, 17300), (612, 17339), (622, 17372), (647, 17438), (654, 17453), (659, 17462), (669, 17486), (686, 17516), (691, 17528), (782, 17630), (788, 17642), (791, 17645), (794, 17651), (796, 17660), (830, 17768), (858, 17852), (898, 17951), (950, 18059), (965, 18107),

Gene: PhinkBoden_48 Start: 29995, Stop: 31686, Start Num: 154

Candidate Starts for PhinkBoden_48:

(Start: 154 @29995 has 21 MA's), (Start: 193 @30055 has 1 MA's), (208, 30088), (229, 30121), (276, 30247), (291, 30280), (295, 30289), (351, 30418), (378, 30466), (510, 30679), (511, 30685), (520, 30709), (600, 30838), (606, 30859), (620, 30892), (695, 31090), (810, 31243), (841, 31342), (845, 31354), (848, 31363), (880, 31447), (948, 31594), (958, 31630), (961, 31642),

Gene: Phish_18 Start: 16640, Stop: 18403, Start Num: 138

Candidate Starts for Phish_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: PhishRPhriends_28 Start: 19644, Stop: 21440, Start Num: 145

Candidate Starts for PhishRPhriends_28:

(Start: 145 @19644 has 749 MA's), (Start: 191 @19701 has 1 MA's), (199, 19716), (233, 19770), (Start: 239 @19785 has 1 MA's), (297, 19872), (303, 19884), (304, 19887), (349, 19962), (361, 19977), (470, 20220), (528, 20373), (560, 20460), (609, 20553), (616, 20574), (623, 20598), (627, 20610), (629, 20616), (675, 20697), (701, 20772), (708, 20790), (710, 20799), (717, 20823), (720, 20829), (729, 20844), (739, 20868), (777, 20922), (779, 20925), (791, 20946), (905, 21276), (907, 21282), (959, 21417),

Gene: Phishy_22 Start: 18770, Stop: 20428, Start Num: 176

Candidate Starts for Phishy_22:

(81, 18581), (99, 18641), (Start: 153 @18734 has 1 MA's), (Start: 176 @18770 has 2 MA's), (Start: 183 @18782 has 3 MA's), (244, 18896), (246, 18902), (280, 18980), (306, 19046), (308, 19052), (361, 19163), (365, 19172), (380, 19199), (386, 19208), (400, 19229), (486, 19400), (487, 19403), (511, 19469), (517, 19484), (575, 19568), (580, 19577), (600, 19619), (606, 19640), (623, 19688), (627,

19700), (638, 19727), (675, 19796), (699, 19865), (710, 19898), (760, 19955), (809, 20006), (831, 20075), (859, 20162), (865, 20177), (887, 20234), (890, 20243), (936, 20321), (939, 20327),

Gene: Phistory_21 Start: 17200, Stop: 18897, Start Num: 145

Candidate Starts for Phistory_21:

(Start: 121 @17161 has 1 MA's), (Start: 145 @17200 has 749 MA's), (Start: 156 @17212 has 4 MA's), (158, 17215), (182, 17251), (205, 17290), (216, 17311), (241, 17353), (244, 17359), (245, 17362), (250, 17374), (261, 17410), (303, 17446), (329, 17503), (360, 17551), (375, 17578), (425, 17680), (438, 17719), (463, 17776), (469, 17794), (478, 17803), (481, 17809), (495, 17857), (508, 17887), (519, 17923), (521, 17929), (527, 17950), (528, 17953), (549, 18004), (583, 18031), (584, 18034), (594, 18061), (606, 18088), (632, 18160), (655, 18199), (687, 18253), (710, 18325), (730, 18370), (796, 18460), (804, 18478), (841, 18562), (844, 18571), (845, 18574), (847, 18580), (853, 18595), (863, 18625), (866, 18631), (875, 18652), (877, 18655), (894, 18709), (907, 18739), (909, 18748), (937, 18799), (947, 18832), (951, 18844), (956, 18862),

Gene: Phlei_23 Start: 21753, Stop: 23534, Start Num: 145

Candidate Starts for Phlei_23:

(Start: 145 @21753 has 749 MA's), (216, 21852), (Start: 220 @21858 has 45 MA's), (240, 21891), (261, 21951), (303, 21987), (304, 21990), (349, 22065), (440, 22254), (470, 22323), (504, 22404), (507, 22407), (523, 22467), (535, 22491), (582, 22587), (617, 22674), (629, 22713), (674, 22788), (756, 22986), (777, 23016), (779, 23019), (802, 23067), (824, 23139), (832, 23166), (865, 23265), (890, 23331), (894, 23343), (905, 23370), (907, 23376), (951, 23481),

Gene: Phlop_31 Start: 25945, Stop: 27711, Start Num: 107

Candidate Starts for Phlop_31:

(90, 25903), (Start: 107 @25945 has 72 MA's), (Start: 126 @25981 has 1 MA's), (Start: 150 @26014 has 25 MA's), (263, 26224), (265, 26227), (303, 26257), (333, 26323), (349, 26347), (356, 26356), (375, 26389), (443, 26542), (463, 26581), (487, 26632), (491, 26644), (495, 26662), (501, 26674), (506, 26686), (510, 26701), (520, 26731), (521, 26734), (527, 26755), (583, 26827), (602, 26875), (649, 26986), (669, 27019), (686, 27058), (687, 27061), (710, 27133), (753, 27199), (759, 27211), (845, 27382), (846, 27385), (862, 27433), (875, 27460), (884, 27487), (905, 27541), (951, 27658), (957, 27679), (966, 27706),

Gene: Phlorence_24 Start: 19764, Stop: 21563, Start Num: 145

Candidate Starts for Phlorence_24:

(Start: 145 @19764 has 749 MA's), (Start: 220 @19869 has 45 MA's), (240, 19902), (304, 20001), (349, 20076), (361, 20091), (379, 20127), (419, 20199), (423, 20214), (434, 20247), (436, 20253), (523, 20478), (527, 20484), (560, 20574), (613, 20679), (616, 20688), (629, 20730), (637, 20748), (674, 20808), (675, 20811), (701, 20886), (708, 20904), (777, 21045), (795, 21081), (865, 21294), (904, 21396), (907, 21405), (953, 21519), (959, 21540), (961, 21549),

Gene: Phloss_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Phloss_18:

(Start: 134 @14989 has 40 MA's), (161, 15016), (Start: 228 @15121 has 2 MA's), (232, 15133), (245, 15169), (263, 15220), (277, 15250), (282, 15256), (294, 15283), (296, 15289), (349, 15409), (379, 15463), (383, 15469), (395, 15487), (404, 15499), (406, 15502), (415, 15523), (427, 15565), (438, 15598), (481, 15649), (486, 15664), (501, 15706), (509, 15721), (510, 15727), (523, 15775), (535, 15799), (554, 15829), (586, 15853), (612, 15913), (616, 15925), (636, 15979), (644, 15988), (670, 16048), (671, 16051), (755, 16156), (761, 16165), (785, 16204), (832, 16342), (885, 16492), (886, 16495), (889, 16504), (905, 16525), (916, 16552), (938, 16588), (965, 16681),

Gene: Phoebe_29 Start: 20377, Stop: 22173, Start Num: 145

Candidate Starts for Phoebe_29:

(Start: 145 @20377 has 749 MA's), (Start: 191 @20434 has 1 MA's), (199, 20449), (216, 20482), (233, 20503), (Start: 239 @20518 has 1 MA's), (297, 20605), (303, 20617), (304, 20620), (349, 20695), (361, 20710), (379, 20746), (470, 20953), (516, 21067), (528, 21106), (560, 21193), (616, 21307), (623, 21331), (629, 21349), (675, 21430), (701, 21505), (708, 21523), (717, 21556), (720, 21562), (739, 21601), (777, 21655), (779, 21658), (791, 21679), (810, 21736), (865, 21904), (905, 22009), (907, 22015), (959, 22150),

Gene: Phoebus_36 Start: 27621, Stop: 29619, Start Num: 133

Candidate Starts for Phoebus_36:

(Start: 133 @27621 has 29 MA's), (Start: 197 @27711 has 47 MA's), (223, 27759), (237, 27789), (291, 27918), (302, 27948), (345, 28047), (365, 28083), (380, 28110), (418, 28182), (421, 28191), (427, 28212), (467, 28281), (488, 28320), (489, 28323), (493, 28338), (510, 28377), (523, 28425), (530, 28437), (531, 28443), (573, 28491), (579, 28500), (587, 28521), (595, 28539), (615, 28587), (656, 28689), (691, 28761), (706, 28806), (709, 28818), (726, 28953), (727, 28959), (728, 28983), (740, 29055), (754, 29082), (852, 29331),

Gene: Phomeo_40 Start: 30475, Stop: 32088, Start Num: 260

Candidate Starts for Phomeo_40:

(Start: 260 @30475 has 35 MA's), (Start: 288 @30511 has 1 MA's), (295, 30529), (322, 30589), (443, 30829), (447, 30841), (452, 30856), (484, 30922), (489, 30937), (497, 30961), (498, 30964), (527, 31048), (538, 31078), (539, 31081), (572, 31138), (592, 31186), (594, 31189), (604, 31210), (643, 31315), (671, 31360), (688, 31402), (756, 31576), (774, 31606), (780, 31612), (826, 31720), (827, 31723), (851, 31798), (947, 32017), (964, 32074),

Gene: Phonnegut_30 Start: 21782, Stop: 23572, Start Num: 145

Candidate Starts for Phonnegut_30:

(Start: 143 @21779 has 53 MA's), (Start: 145 @21782 has 749 MA's), (303, 22016), (304, 22019), (347, 22091), (349, 22094), (361, 22109), (381, 22148), (385, 22154), (434, 22265), (470, 22352), (504, 22433), (507, 22436), (582, 22622), (609, 22685), (617, 22709), (620, 22715), (629, 22748), (675, 22829), (717, 22955), (737, 22997), (779, 23057), (795, 23090), (802, 23105), (832, 23204), (833, 23207), (836, 23219), (865, 23303), (890, 23369), (905, 23408), (907, 23414), (928, 23459), (950, 23516), (951, 23519),

Gene: Phontbonne_27 Start: 19771, Stop: 21549, Start Num: 145

Candidate Starts for Phontbonne_27:

(Start: 128 @19747 has 10 MA's), (Start: 145 @19771 has 749 MA's), (Start: 191 @19828 has 1 MA's), (Start: 220 @19882 has 45 MA's), (233, 19897), (240, 19915), (297, 19999), (303, 20011), (304, 20014), (349, 20089), (361, 20104), (381, 20143), (434, 20260), (470, 20347), (504, 20428), (521, 20476), (528, 20500), (560, 20587), (587, 20632), (617, 20704), (623, 20725), (629, 20743), (675, 20824), (708, 20917), (710, 20926), (717, 20950), (720, 20956), (731, 20980), (779, 21034), (791, 21055), (808, 21106), (815, 21130), (865, 21280), (905, 21385), (909, 21400), (954, 21508), (959, 21526),

Gene: PhorbesPhlower_18 Start: 15153, Stop: 16865, Start Num: 145

Candidate Starts for PhorbesPhlower_18:

(Start: 145 @15153 has 749 MA's), (Start: 156 @15165 has 4 MA's), (186, 15207), (243, 15309), (285, 15381), (329, 15462), (361, 15513), (376, 15546), (403, 15588), (407, 15594), (423, 15642), (440, 15693), (451, 15729), (479, 15771), (487, 15792), (489, 15798), (495, 15822), (516, 15873), (517, 15876), (525, 15906), (686, 16218), (708, 16284), (716, 16314), (787, 16407), (796, 16428), (802, 16440), (804, 16446), (805, 16452), (807, 16458), (835, 16512), (845, 16542), (870, 16611), (905, 16698), (907, 16704), (915, 16728), (934, 16755),

Gene: Phoxy_29 Start: 20463, Stop: 22259, Start Num: 145

Candidate Starts for Phoxy_29:

(Start: 145 @20463 has 749 MA's), (Start: 191 @20520 has 1 MA's), (199, 20535), (216, 20568), (233, 20589), (Start: 239 @20604 has 1 MA's), (297, 20691), (303, 20703), (304, 20706), (349, 20781), (361, 20796), (379, 20832), (470, 21039), (516, 21153), (528, 21192), (560, 21279), (616, 21393), (623, 21417), (629, 21435), (675, 21516), (701, 21591), (708, 21609), (717, 21642), (720, 21648), (739, 21687), (777, 21741), (779, 21744), (791, 21765), (810, 21822), (865, 21990), (905, 22095), (907, 22101), (959, 22236),

Gene: Phrank_22 Start: 16326, Stop: 18092, Start Num: 145

Candidate Starts for Phrank_22:

(Start: 138 @16317 has 25 MA's), (Start: 145 @16326 has 749 MA's), (Start: 170 @16356 has 1 MA's), (Start: 239 @16482 has 1 MA's), (244, 16497), (251, 16515), (261, 16548), (276, 16578), (298, 16623), (338, 16713), (357, 16749), (404, 16827), (409, 16836), (436, 16920), (439, 16929), (443, 16941), (444, 16944), (465, 16983), (482, 16998), (488, 17016), (504, 17058), (508, 17064), (593, 17247), (619, 17307), (663, 17391), (669, 17409), (693, 17469), (742, 17544), (754, 17568), (797, 17628), (808, 17661), (809, 17664), (814, 17682), (823, 17703), (845, 17778), (862, 17829), (865, 17835), (875, 17856), (909, 17928), (938, 17979), (960, 18063), (961, 18066), (971, 18084),

Gene: Phrankenstein_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for Phrankenstein_23:

(Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (261, 16526), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (478, 16904), (481, 16910), (486, 16925), (487, 16928), (507, 16976), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: Phrann_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Phrann_18:

(Start: 134 @14993 has 40 MA's), (161, 15020), (185, 15059), (Start: 228 @15125 has 2 MA's), (232, 15137), (245, 15173), (254, 15197), (263, 15224), (272, 15245), (277, 15254), (282, 15260), (296, 15293), (379, 15467), (383, 15473), (389, 15482), (395, 15491), (404, 15503), (415, 15527), (427, 15569), (438, 15602), (481, 15653), (482, 15656), (486, 15668), (501, 15710), (509, 15725), (510, 15731), (523, 15779), (554, 15833), (586, 15857), (616, 15929), (636, 15983), (644, 15992), (647, 16001), (659, 16025), (670, 16052), (671, 16055), (755, 16160), (761, 16169), (785, 16208), (814, 16289), (832, 16346), (844, 16385), (886, 16499), (905, 16529), (906, 16532), (916, 16556), (938, 16592),

Gene: Phranny_30 Start: 20452, Stop: 22248, Start Num: 145

Candidate Starts for Phranny_30:

(Start: 145 @20452 has 749 MA's), (Start: 191 @20509 has 1 MA's), (199, 20524), (233, 20578), (Start: 239 @20593 has 1 MA's), (297, 20680), (303, 20692), (304, 20695), (349, 20770), (361, 20785), (470, 21028), (528, 21181), (560, 21268), (609, 21361), (616, 21382), (623, 21406), (627, 21418), (629, 21424), (675, 21505), (701, 21580), (708, 21598), (710, 21607), (717, 21631), (720, 21637), (739, 21676), (777, 21730), (779, 21733), (791, 21754), (865, 21979), (905, 22084), (907, 22090), (959, 22225),

Gene: Phreak_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Phreak_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812,

17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: PhriskyACE_19 Start: 16822, Stop: 18402, Start Num: 268

Candidate Starts for PhriskyACE_19:

(25, 16045), (46, 16201), (72, 16396), (78, 16432), (80, 16435), (105, 16519), (108, 16525), (189, 16651), (217, 16705), (Start: 268 @16822 has 52 MA's), (365, 16993), (418, 17080), (424, 17098), (425, 17101), (443, 17155), (459, 17194), (482, 17251), (489, 17272), (582, 17443), (588, 17461), (601, 17485), (608, 17506), (628, 17548), (671, 17629), (705, 17719), (745, 17821), (779, 17878), (813, 17968), (913, 18247), (918, 18256), (932, 18286),

Gene: PhrostedPhlake_20 Start: 17026, Stop: 18672, Start Num: 220

Candidate Starts for PhrostedPhlake_20:

(196, 16990), (Start: 220 @17026 has 45 MA's), (261, 17128), (276, 17164), (295, 17206), (318, 17266), (337, 17305), (355, 17344), (381, 17389), (390, 17404), (404, 17425), (423, 17479), (428, 17494), (510, 17665), (520, 17695), (620, 17878), (626, 17902), (695, 18046), (700, 18058), (747, 18118), (809, 18250), (810, 18253), (841, 18352), (847, 18370), (865, 18421), (888, 18481), (890, 18487), (927, 18550), (935, 18562),

Gene: PhrostyMug_27 Start: 21160, Stop: 22962, Start Num: 148

Candidate Starts for PhrostyMug_27:

(Start: 148 @21160 has 202 MA's), (Start: 166 @21181 has 28 MA's), (Start: 191 @21223 has 1 MA's), (215, 21268), (349, 21484), (376, 21529), (381, 21538), (407, 21577), (425, 21628), (426, 21631), (507, 21826), (528, 21895), (616, 22096), (617, 22099), (623, 22120), (674, 22216), (675, 22219), (677, 22225), (701, 22294), (708, 22312), (710, 22321), (720, 22351), (779, 22447), (795, 22480), (802, 22495), (845, 22636), (865, 22693), (907, 22804),

Gene: Phrux_24 Start: 19487, Stop: 21166, Start Num: 137

Candidate Starts for Phrux_24:

(Start: 137 @19487 has 84 MA's), (Start: 197 @19571 has 47 MA's), (Start: 239 @19649 has 1 MA's), (272, 19736), (282, 19751), (301, 19799), (315, 19838), (363, 19925), (380, 19958), (404, 19994), (417, 20024), (418, 20030), (441, 20099), (483, 20129), (487, 20141), (488, 20144), (510, 20201), (587, 20333), (589, 20339), (617, 20405), (620, 20411), (626, 20435), (647, 20483), (659, 20507), (665, 20516), (695, 20591), (761, 20642), (772, 20657), (833, 20819), (841, 20846), (851, 20876), (890, 20981), (938, 21059), (947, 21095), (950, 21104), (959, 21137), (965, 21152),

Gene: Piatt_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Piatt_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Pickett_17 Start: 14682, Stop: 16391, Start Num: 269

Candidate Starts for Pickett_17:

(208, 14547), (Start: 269 @14682 has 31 MA's), (324, 14799), (359, 14871), (361, 14874), (379, 14910), (405, 14949), (418, 14970), (452, 15072), (489, 15162), (490, 15165), (532, 15297), (547, 15351), (567, 15402), (581, 15432), (605, 15492), (610, 15504), (628, 15540), (645, 15579), (671, 15621), (688, 15657), (694, 15675), (697, 15690), (707, 15714), (731, 15786), (745, 15810), (803, 15918), (841, 16044), (846, 16059), (860, 16101), (893, 16194), (894, 16197), (918, 16245), (932, 16275), (940, 16293), (941, 16305), (953, 16344),

Gene: PickleBack_24 Start: 19478, Stop: 21277, Start Num: 145

Candidate Starts for PickleBack_24:

(Start: 145 @19478 has 749 MA's), (Start: 220 @19583 has 45 MA's), (240, 19616), (304, 19715), (349, 19790), (361, 19805), (379, 19841), (419, 19913), (423, 19928), (434, 19961), (436, 19967), (478, 20060), (516, 20162), (523, 20192), (527, 20198), (560, 20288), (582, 20318), (612, 20390), (616, 20402), (617, 20405), (629, 20444), (637, 20462), (674, 20522), (675, 20525), (694, 20576), (708, 20618), (777, 20759), (798, 20801), (907, 21119), (959, 21254),

Gene: Pimento_22 Start: 17041, Stop: 18747, Start Num: 187

Candidate Starts for Pimento_22:

(131, 16966), (Start: 187 @17041 has 15 MA's), (Start: 239 @17134 has 1 MA's), (244, 17149), (246, 17155), (275, 17230), (292, 17266), (305, 17302), (359, 17413), (384, 17458), (395, 17476), (404, 17488), (486, 17659), (489, 17668), (491, 17674), (504, 17707), (523, 17770), (542, 17821), (564, 17845), (585, 17869), (616, 17944), (628, 17983), (691, 18115), (758, 18229), (808, 18316), (844, 18430), (847, 18439), (886, 18544), (936, 18631), (971, 18739),

Gene: PinkCoffee_33 Start: 26584, Stop: 28350, Start Num: 107

Candidate Starts for PinkCoffee_33:

(90, 26542), (Start: 107 @26584 has 72 MA's), (Start: 126 @26620 has 1 MA's), (Start: 150 @26653 has 25 MA's), (263, 26863), (265, 26866), (303, 26896), (333, 26962), (349, 26986), (356, 26995), (375, 27028), (443, 27181), (463, 27220), (487, 27271), (491, 27283), (495, 27301), (501, 27313), (506, 27325), (510, 27340), (520, 27370), (521, 27373), (527, 27394), (583, 27466), (602, 27514), (649, 27625), (669, 27658), (687, 27700), (710, 27772), (753, 27838), (759, 27850), (845, 28021), (846, 28024), (862, 28072), (875, 28099), (884, 28126), (905, 28180), (951, 28297), (957, 28318), (966, 28345),

Gene: PinkPlastic_26 Start: 20900, Stop: 22702, Start Num: 148

Candidate Starts for PinkPlastic_26:

(Start: 148 @20900 has 202 MA's), (Start: 166 @20921 has 28 MA's), (Start: 191 @20963 has 1 MA's), (215, 21008), (349, 21224), (376, 21269), (381, 21278), (425, 21368), (426, 21371), (463, 21464), (507, 21566), (528, 21635), (616, 21836), (617, 21839), (623, 21860), (674, 21956), (675, 21959), (677, 21965), (701, 22034), (708, 22052), (710, 22061), (720, 22091), (779, 22187), (795, 22220), (802, 22235), (845, 22376), (865, 22433), (907, 22544),

Gene: PinkYoshi_18 Start: 16631, Stop: 18394, Start Num: 138

Candidate Starts for PinkYoshi_18:

(Start: 138 @16631 has 25 MA's), (Start: 164 @16640 has 42 MA's), (Start: 168 @16646 has 2 MA's), (172, 16652), (244, 16784), (261, 16835), (276, 16865), (Start: 288 @16889 has 1 MA's), (335, 16991), (353, 17030), (357, 17036), (365, 17051), (392, 17096), (439, 17216), (466, 17273), (488, 17312), (508, 17360), (516, 17387), (520, 17399), (548, 17480), (586, 17525), (675, 17723), (687, 17753), (693, 17771), (701, 17798), (760, 17882), (778, 17900), (792, 17915), (808, 17963), (812, 17978), (833, 18041), (851, 18098), (865, 18137), (882, 18179), (909, 18230), (950, 18326), (971, 18386),

Gene: Pinnie_19 Start: 17358, Stop: 19082, Start Num: 164

Candidate Starts for Pinnie_19:

(Start: 164 @17358 has 42 MA's), (240, 17478), (261, 17541), (273, 17568), (276, 17571), (335, 17697), (341, 17712), (353, 17736), (357, 17742), (361, 17748), (392, 17802), (439, 17922), (488, 18018), (491, 18027), (504, 18060), (508, 18066), (520, 18105), (586, 18231), (613, 18294), (675, 18423), (693, 18471), (701, 18498), (735, 18534), (760, 18582), (778, 18588), (819, 18681), (851, 18786), (880, 18861), (950, 19014), (961, 19056), (963, 19059),

Gene: Pinto_30 Start: 21713, Stop: 23515, Start Num: 148

Candidate Starts for Pinto_30:

(Start: 148 @21713 has 202 MA's), (Start: 166 @21734 has 28 MA's), (Start: 191 @21776 has 1 MA's), (215, 21821), (349, 22037), (376, 22082), (381, 22091), (425, 22181), (426, 22184), (507, 22379), (528, 22448), (616, 22649), (617, 22652), (623, 22673), (674, 22769), (675, 22772), (677, 22778), (701, 22847), (708, 22865), (710, 22874), (720, 22904), (779, 23000), (795, 23033), (802, 23048), (845, 23189), (865, 23246), (907, 23357),

Gene: Pioneer_30 Start: 21782, Stop: 23572, Start Num: 145

Candidate Starts for Pioneer_30:

(Start: 143 @21779 has 53 MA's), (Start: 145 @21782 has 749 MA's), (303, 22016), (304, 22019), (347, 22091), (349, 22094), (361, 22109), (381, 22148), (385, 22154), (434, 22265), (470, 22352), (504, 22433), (507, 22436), (582, 22622), (609, 22685), (617, 22709), (620, 22715), (629, 22748), (675, 22829), (717, 22955), (737, 22997), (779, 23057), (795, 23090), (802, 23105), (832, 23204), (833, 23207), (836, 23219), (865, 23303), (890, 23369), (905, 23408), (907, 23414), (928, 23459), (950, 23516), (951, 23519),

Gene: Pipcraft_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Pipcraft_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Piper2020_17 Start: 14677, Stop: 16386, Start Num: 132

Candidate Starts for Piper2020_17:

(Start: 132 @14677 has 199 MA's), (Start: 228 @14809 has 2 MA's), (237, 14833), (277, 14938), (282, 14944), (290, 14962), (301, 14992), (349, 15097), (383, 15157), (389, 15166), (395, 15175), (398, 15178), (404, 15187), (415, 15211), (438, 15286), (442, 15298), (459, 15313), (467, 15319), (481, 15337), (486, 15352), (488, 15358), (493, 15376), (494, 15379), (501, 15394), (509, 15409), (510, 15415), (523, 15463), (530, 15475), (531, 15481), (586, 15541), (590, 15553), (606, 15589), (612, 15601), (620, 15622), (644, 15676), (647, 15685), (656, 15703), (659, 15709), (671, 15739), (755, 15844), (764, 15856), (785, 15892), (813, 15970), (844, 16069), (862, 16123), (877, 16153), (880, 16165), (886, 16183), (888, 16189), (889, 16192), (891, 16198), (905, 16213), (906, 16216), (914, 16237), (916, 16240), (935, 16270), (940, 16282), (959, 16354),

Gene: Pipp_19 Start: 16644, Stop: 18290, Start Num: 220

Candidate Starts for Pipp_19:

(196, 16608), (Start: 220 @16644 has 45 MA's), (261, 16746), (295, 16824), (337, 16923), (355, 16962), (404, 17043), (423, 17097), (428, 17112), (482, 17208), (510, 17283), (520, 17313), (620, 17496), (626, 17520), (658, 17571), (695, 17664), (700, 17676), (738, 17721), (747, 17736), (809, 17868), (810, 17871), (841, 17970), (847, 17988), (865, 18039), (888, 18099), (890, 18105), (927, 18168), (935, 18180),

Gene: Pippin_29 Start: 21464, Stop: 23266, Start Num: 148

Candidate Starts for Pippin_29:

(Start: 148 @21464 has 202 MA's), (Start: 166 @21485 has 28 MA's), (Start: 191 @21527 has 1 MA's), (215, 21572), (349, 21788), (376, 21833), (381, 21842), (407, 21881), (425, 21932), (426, 21935), (507, 22130), (528, 22199), (616, 22400), (617, 22403), (623, 22424), (674, 22520), (675, 22523), (677, 22529), (701, 22598), (708, 22616), (710, 22625), (720, 22655), (779, 22751), (795,

22784), (802, 22799), (845, 22940), (865, 22997), (907, 23108),

Gene: Pippy_16 Start: 14798, Stop: 16507, Start Num: 132

Candidate Starts for Pippy_16:

(Start: 132 @14798 has 199 MA's), (198, 14885), (Start: 228 @14930 has 2 MA's), (237, 14954), (277, 15059), (282, 15065), (290, 15083), (301, 15113), (349, 15218), (383, 15278), (398, 15299), (404, 15308), (415, 15332), (481, 15458), (486, 15473), (488, 15479), (501, 15515), (503, 15518), (509, 15530), (510, 15536), (523, 15584), (530, 15596), (531, 15602), (586, 15662), (590, 15674), (606, 15710), (612, 15722), (644, 15797), (647, 15806), (656, 15824), (659, 15830), (671, 15860), (755, 15965), (761, 15974), (764, 15977), (785, 16013), (813, 16091), (844, 16190), (851, 16211), (862, 16244), (877, 16274), (886, 16304), (889, 16313), (891, 16319), (905, 16334), (906, 16337), (916, 16361), (935, 16391), (940, 16403), (947, 16433), (959, 16475),

Gene: Pipsqueaks_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Pipsqueaks_18:

(Start: 134 @14989 has 40 MA's), (161, 15016), (Start: 228 @15121 has 2 MA's), (232, 15133), (245, 15169), (263, 15220), (277, 15250), (282, 15256), (294, 15283), (296, 15289), (349, 15409), (379, 15463), (383, 15469), (395, 15487), (404, 15499), (406, 15502), (415, 15523), (427, 15565), (438, 15598), (481, 15649), (486, 15664), (501, 15706), (509, 15721), (510, 15727), (523, 15775), (535, 15799), (554, 15829), (586, 15853), (612, 15913), (616, 15925), (636, 15979), (644, 15988), (670, 16048), (671, 16051), (755, 16156), (761, 16165), (785, 16204), (832, 16342), (885, 16492), (886, 16495), (889, 16504), (905, 16525), (916, 16552), (938, 16588), (965, 16681),

Gene: Piro94_29 Start: 20672, Stop: 22444, Start Num: 145

Candidate Starts for Piro94_29:

(Start: 128 @20648 has 10 MA's), (Start: 145 @20672 has 749 MA's), (Start: 239 @20807 has 1 MA's), (246, 20825), (303, 20906), (304, 20909), (347, 20981), (349, 20984), (381, 21038), (385, 21044), (419, 21107), (434, 21155), (445, 21188), (470, 21242), (504, 21323), (507, 21326), (516, 21356), (582, 21512), (617, 21599), (675, 21719), (716, 21842), (717, 21845), (720, 21851), (757, 21899), (795, 21962), (802, 21977), (804, 21983), (821, 22037), (832, 22076), (836, 22091), (847, 22124), (862, 22169), (905, 22280), (907, 22286), (935, 22340),

Gene: Pistachio_28 Start: 19451, Stop: 21247, Start Num: 145

Candidate Starts for Pistachio_28:

(Start: 145 @19451 has 749 MA's), (Start: 191 @19508 has 1 MA's), (233, 19577), (297, 19679), (303, 19691), (304, 19694), (349, 19769), (361, 19784), (381, 19823), (440, 19958), (470, 20027), (516, 20141), (560, 20267), (616, 20381), (623, 20405), (629, 20423), (675, 20504), (701, 20579), (708, 20597), (710, 20606), (717, 20630), (720, 20636), (729, 20651), (749, 20684), (777, 20729), (779, 20732), (791, 20753), (795, 20765), (798, 20771), (815, 20828), (865, 20978), (877, 21002), (905, 21083), (907, 21089), (959, 21224),

Gene: Pita2_29 Start: 21585, Stop: 23387, Start Num: 148

Candidate Starts for Pita2_29:

(Start: 148 @21585 has 202 MA's), (Start: 166 @21606 has 28 MA's), (Start: 191 @21648 has 1 MA's), (215, 21693), (349, 21909), (376, 21954), (381, 21963), (407, 22002), (425, 22053), (426, 22056), (507, 22251), (528, 22320), (616, 22521), (617, 22524), (623, 22545), (674, 22641), (675, 22644), (677, 22650), (701, 22719), (708, 22737), (710, 22746), (720, 22776), (779, 22872), (795, 22905), (802, 22920), (845, 23061), (865, 23118), (907, 23229),

Gene: Pixie_22 Start: 17358, Stop: 19121, Start Num: 145

Candidate Starts for Pixie_22:

(Start: 138 @17349 has 25 MA's), (Start: 145 @17358 has 749 MA's), (219, 17460), (244, 17517), (261, 17568), (276, 17598), (Start: 288 @17622 has 1 MA's), (404, 17853), (409, 17862), (413,

17874), (443, 17967), (444, 17970), (488, 18042), (491, 18051), (504, 18084), (508, 18090), (520, 18129), (531, 18165), (586, 18255), (613, 18318), (652, 18405), (693, 18498), (742, 18573), (797, 18654), (812, 18702), (822, 18726), (829, 18753), (847, 18810), (862, 18855), (909, 18957), (926, 18984), (947, 19044), (950, 19053), (956, 19074), (960, 19092), (963, 19098), (971, 19113),

Gene: Plagueis_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Plagueis_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Pleakley_50 Start: 30683, Stop: 32302, Start Num: 260

Candidate Starts for Pleakley_50:

(Start: 260 @30683 has 35 MA's), (Start: 269 @30698 has 31 MA's), (295, 30737), (322, 30797), (365, 30881), (452, 31064), (484, 31130), (489, 31145), (502, 31181), (527, 31256), (538, 31286), (539, 31289), (543, 31307), (572, 31346), (586, 31376), (677, 31580), (688, 31610), (704, 31658), (705, 31661), (756, 31784), (780, 31820), (851, 32006), (923, 32159), (943, 32213), (947, 32225), (951, 32237), (964, 32282),

Gene: Plumbus_17 Start: 14635, Stop: 16344, Start Num: 132

Candidate Starts for Plumbus_17:

(Start: 132 @14635 has 199 MA's), (198, 14722), (Start: 228 @14767 has 2 MA's), (237, 14791), (244, 14812), (277, 14896), (282, 14902), (290, 14920), (301, 14950), (349, 15055), (383, 15115), (398, 15136), (404, 15145), (415, 15169), (481, 15295), (486, 15310), (488, 15316), (501, 15352), (503, 15355), (509, 15367), (510, 15373), (523, 15421), (530, 15433), (531, 15439), (586, 15499), (590, 15511), (606, 15547), (612, 15559), (644, 15634), (647, 15643), (656, 15661), (659, 15667), (671, 15697), (755, 15802), (761, 15811), (764, 15814), (785, 15850), (813, 15928), (844, 16027), (851, 16048), (862, 16081), (877, 16111), (886, 16141), (889, 16150), (891, 16156), (905, 16171), (906, 16174), (916, 16198), (935, 16228), (940, 16240), (947, 16270), (959, 16312),

Gene: Pmask_31 Start: 19970, Stop: 21742, Start Num: 145

Candidate Starts for Pmask_31:

(103, 19904), (Start: 128 @19946 has 10 MA's), (Start: 145 @19970 has 749 MA's), (261, 20168), (304, 20207), (347, 20279), (349, 20282), (363, 20300), (381, 20336), (385, 20342), (434, 20453), (436, 20459), (448, 20498), (470, 20540), (488, 20579), (504, 20621), (507, 20624), (523, 20684), (624, 20921), (629, 20936), (675, 21017), (720, 21149), (802, 21275), (817, 21326), (821, 21335), (832, 21374), (833, 21377), (836, 21389), (865, 21473), (905, 21578), (907, 21584), (959, 21719),

Gene: Pocahontas_28 Start: 20452, Stop: 22251, Start Num: 145

Candidate Starts for Pocahontas_28:

(Start: 145 @20452 has 749 MA's), (Start: 191 @20512 has 1 MA's), (233, 20581), (297, 20683), (303, 20695), (304, 20698), (349, 20773), (361, 20788), (381, 20827), (440, 20962), (470, 21031), (516, 21145), (560, 21271), (616, 21385), (623, 21409), (627, 21421), (629, 21427), (675, 21508), (701, 21583), (708, 21601), (710, 21610), (717, 21634), (720, 21640), (729, 21655), (749, 21688), (777, 21733), (779, 21736), (791, 21757), (833, 21886), (865, 21982), (905, 22087), (907, 22093), (959, 22228),

Gene: Poenanya_16 Start: 14940, Stop: 16649, Start Num: 132

Candidate Starts for Poenanya_16:

(Start: 132 @14940 has 199 MA's), (198, 15027), (Start: 228 @15072 has 2 MA's), (237, 15096), (277, 15201), (282, 15207), (290, 15225), (301, 15255), (349, 15360), (383, 15420), (398, 15441), (404, 15450), (415, 15474), (438, 15549), (481, 15600), (486, 15615), (488, 15621), (501, 15657), (503, 15660), (509, 15672), (510, 15678), (523, 15726), (530, 15738), (531, 15744), (586, 15804), (590, 15816), (606, 15852), (612, 15864), (644, 15939), (647, 15948), (656, 15966), (659, 15972), (671, 16002), (755, 16107), (764, 16119), (785, 16155), (813, 16233), (844, 16332), (851, 16353), (862, 16386), (877, 16416), (886, 16446), (888, 16452), (889, 16455), (891, 16461), (905, 16476), (906, 16479), (914, 16500), (916, 16503), (940, 16545), (959, 16617), (960, 16623),

Gene: Poise_50 Start: 26718, Stop: 28430, Start Num: 166

Candidate Starts for Poise_50:

(120, 26655), (Start: 166 @26718 has 28 MA's), (211, 26799), (246, 26856), (276, 26937), (281, 26943), (317, 27000), (323, 27012), (329, 27024), (352, 27063), (363, 27078), (403, 27147), (423, 27201), (426, 27210), (491, 27366), (510, 27414), (512, 27423), (516, 27432), (528, 27471), (535, 27486), (583, 27549), (587, 27561), (629, 27678), (631, 27681), (657, 27732), (673, 27759), (675, 27762), (682, 27783), (698, 27825), (777, 27945), (787, 27963), (847, 28107), (862, 28152), (871, 28170), (904, 28254), (907, 28263), (912, 28281), (925, 28302), (944, 28347), (946, 28353), (950, 28365), (953, 28377), (957, 28389), (965, 28413), (969, 28419),

Gene: Pokerus_22 Start: 17105, Stop: 18871, Start Num: 145

Candidate Starts for Pokerus_22:

(Start: 145 @17105 has 749 MA's), (Start: 170 @17135 has 1 MA's), (251, 17294), (261, 17327), (276, 17357), (291, 17390), (338, 17492), (361, 17534), (404, 17606), (409, 17615), (422, 17654), (436, 17699), (443, 17720), (444, 17723), (482, 17777), (488, 17795), (504, 17837), (508, 17843), (516, 17870), (586, 18008), (593, 18026), (612, 18068), (619, 18086), (628, 18116), (647, 18143), (693, 18248), (797, 18407), (809, 18443), (820, 18473), (823, 18482), (845, 18557), (862, 18608), (950, 18803), (960, 18842), (961, 18845), (971, 18863),

Gene: Policronamos_24 Start: 19858, Stop: 21453, Start Num: 197

Candidate Starts for Policronamos_24:

(Start: 137 @19774 has 84 MA's), (Start: 197 @19858 has 47 MA's), (Start: 239 @19936 has 1 MA's), (272, 20023), (282, 20038), (301, 20086), (315, 20125), (363, 20212), (380, 20245), (404, 20281), (417, 20311), (418, 20317), (441, 20386), (483, 20416), (487, 20428), (488, 20431), (510, 20488), (587, 20620), (589, 20626), (617, 20692), (620, 20698), (626, 20722), (647, 20770), (659, 20794), (665, 20803), (695, 20878), (761, 20929), (772, 20944), (833, 21106), (841, 21133), (851, 21163), (890, 21268), (938, 21346), (947, 21382), (950, 21391), (959, 21424), (965, 21439),

Gene: Polka14_17 Start: 15348, Stop: 17057, Start Num: 132

Candidate Starts for Polka14_17:

(Start: 132 @15348 has 199 MA's), (198, 15435), (Start: 228 @15480 has 2 MA's), (237, 15504), (277, 15609), (282, 15615), (290, 15633), (301, 15663), (349, 15768), (383, 15828), (398, 15849), (404, 15858), (415, 15882), (481, 16008), (486, 16023), (488, 16029), (501, 16065), (503, 16068), (509, 16080), (510, 16086), (523, 16134), (530, 16146), (531, 16152), (586, 16212), (590, 16224), (606, 16260), (612, 16272), (620, 16293), (644, 16347), (647, 16356), (656, 16374), (659, 16380), (671, 16410), (755, 16515), (764, 16527), (785, 16563), (803, 16602), (813, 16641), (844, 16740), (851, 16761), (862, 16794), (877, 16824), (886, 16854), (888, 16860), (889, 16863), (891, 16869), (905, 16884), (906, 16887), (914, 16908), (916, 16911), (940, 16953), (947, 16983), (959, 17025),

Gene: Polkaroo_19 Start: 16401, Stop: 18137, Start Num: 129

Candidate Starts for Polkaroo_19:

(Start: 114 @16377 has 2 MA's), (Start: 129 @16401 has 45 MA's), (174, 16461), (185, 16482), (Start: 187 @16485 has 15 MA's), (250, 16605), (263, 16644), (279, 16677), (291, 16701), (341, 16821), (363, 16860), (365, 16866), (411, 16950), (415, 16956), (418, 16968), (425, 16992), (434, 17019),

(441, 17037), (470, 17076), (481, 17082), (489, 17106), (510, 17160), (513, 17172), (517, 17181), (537, 17241), (595, 17319), (612, 17358), (622, 17391), (647, 17457), (654, 17472), (659, 17481), (669, 17505), (686, 17535), (691, 17547), (782, 17649), (788, 17661), (791, 17664), (794, 17670), (796, 17679), (830, 17787), (858, 17871), (898, 17970), (959, 18111), (965, 18126),

Gene: Pollux_20 Start: 17566, Stop: 19272, Start Num: 145

Candidate Starts for Pollux_20:

(Start: 129 @17542 has 45 MA's), (Start: 145 @17566 has 749 MA's), (216, 17671), (242, 17713), (285, 17788), (349, 17902), (423, 18049), (425, 18055), (440, 18100), (500, 18238), (525, 18313), (674, 18595), (681, 18616), (708, 18691), (759, 18778), (787, 18814), (802, 18847), (804, 18853), (835, 18919), (845, 18949), (905, 19105), (907, 19111), (912, 19129), (957, 19240),

Gene: Polly_19 Start: 17773, Stop: 19371, Start Num: 268

Candidate Starts for Polly_19:

(Start: 268 @17773 has 52 MA's), (414, 18022), (418, 18031), (424, 18049), (425, 18052), (443, 18106), (472, 18181), (496, 18250), (499, 18259), (505, 18271), (521, 18322), (529, 18349), (532, 18358), (534, 18361), (581, 18391), (582, 18394), (605, 18451), (628, 18517), (670, 18595), (683, 18628), (694, 18652), (705, 18688), (745, 18790), (779, 18847), (800, 18892), (803, 18898), (813, 18937), (894, 19177), (932, 19255),

Gene: Polymorphads_27 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for Polymorphads_27:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (833, 21237), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: Polyzuki_45 Start: 31365, Stop: 32939, Start Num: 264

Candidate Starts for Polyzuki_45:

(Start: 264 @31365 has 7 MA's), (Start: 269 @31374 has 31 MA's), (302, 31428), (311, 31452), (322, 31455), (455, 31725), (484, 31788), (489, 31803), (535, 31920), (539, 31935), (572, 31992), (578, 32001), (594, 32043), (604, 32064), (615, 32094), (635, 32151), (677, 32226), (711, 32322), (756, 32427), (757, 32430), (774, 32457), (814, 32535), (827, 32574), (884, 32730), (922, 32796),

Gene: Pomar16_31 Start: 20090, Stop: 21880, Start Num: 145

Candidate Starts for Pomar16_31:

(103, 20024), (Start: 128 @20066 has 10 MA's), (Start: 145 @20090 has 749 MA's), (246, 20243), (303, 20324), (304, 20327), (347, 20399), (349, 20402), (361, 20417), (381, 20456), (385, 20462), (434, 20573), (440, 20591), (470, 20660), (504, 20741), (507, 20744), (560, 20900), (582, 20930), (675, 21137), (717, 21263), (779, 21365), (795, 21398), (802, 21413), (808, 21437), (832, 21512), (833, 21515), (836, 21527), (865, 21611), (894, 21689), (905, 21716), (907, 21722), (928, 21767), (935, 21776), (959, 21857),

Gene: Pons_18 Start: 15412, Stop: 17109, Start Num: 135

Candidate Starts for Pons_18:

(Start: 135 @15412 has 8 MA's), (Start: 145 @15415 has 749 MA's), (213, 15514), (Start: 239 @15556 has 1 MA's), (247, 15577), (319, 15694), (379, 15796), (423, 15883), (433, 15913), (442, 15940), (463, 15985), (470, 16003), (481, 16018), (486, 16033), (506, 16090), (516, 16123), (520, 16135), (530, 16165), (565, 16222), (582, 16240), (592, 16270), (606, 16300), (613, 16315), (628, 16363), (654, 16414), (675, 16450), (680, 16465), (689, 16483), (708, 16540), (796, 16669), (802,

16681), (844, 16780), (845, 16783), (851, 16801), (881, 16879), (890, 16906), (907, 16948), (961, 17095), (965, 17101),

Gene: Poompha_26 Start: 17888, Stop: 19666, Start Num: 145

Candidate Starts for Poompha_26:

(Start: 128 @17864 has 10 MA's), (Start: 145 @17888 has 749 MA's), (Start: 191 @17945 has 1 MA's), (199, 17960), (233, 18014), (303, 18128), (304, 18131), (349, 18206), (373, 18245), (434, 18377), (470, 18464), (501, 18539), (516, 18578), (528, 18617), (560, 18704), (587, 18749), (616, 18818), (623, 18842), (627, 18854), (629, 18860), (657, 18911), (708, 19034), (710, 19043), (717, 19067), (720, 19073), (729, 19088), (757, 19121), (791, 19172), (810, 19229), (811, 19235), (865, 19397), (905, 19502), (907, 19508), (909, 19517), (959, 19643),

Gene: PopTart_16 Start: 14854, Stop: 16563, Start Num: 132

Candidate Starts for PopTart_16:

(Start: 132 @14854 has 199 MA's), (198, 14941), (Start: 228 @14986 has 2 MA's), (237, 15010), (277, 15115), (282, 15121), (290, 15139), (301, 15169), (349, 15274), (383, 15334), (389, 15343), (395, 15352), (398, 15355), (404, 15364), (415, 15388), (481, 15514), (486, 15529), (488, 15535), (501, 15571), (503, 15574), (509, 15586), (510, 15592), (523, 15640), (530, 15652), (531, 15658), (586, 15718), (590, 15730), (606, 15766), (612, 15778), (644, 15853), (647, 15862), (656, 15880), (659, 15886), (671, 15916), (755, 16021), (761, 16030), (764, 16033), (785, 16069), (813, 16147), (844, 16246), (851, 16267), (862, 16300), (877, 16330), (886, 16360), (889, 16369), (891, 16375), (905, 16390), (906, 16393), (916, 16417), (935, 16447), (940, 16459), (947, 16489), (959, 16531),

Gene: Popcicle_28 Start: 20452, Stop: 22251, Start Num: 145

Candidate Starts for Popcicle_28:

(Start: 145 @20452 has 749 MA's), (Start: 191 @20512 has 1 MA's), (233, 20581), (297, 20683), (303, 20695), (304, 20698), (349, 20773), (361, 20788), (381, 20827), (440, 20962), (470, 21031), (516, 21145), (560, 21271), (616, 21385), (623, 21409), (627, 21421), (629, 21427), (675, 21508), (701, 21583), (708, 21601), (710, 21610), (717, 21634), (720, 21640), (729, 21655), (749, 21688), (777, 21733), (779, 21736), (791, 21757), (833, 21886), (865, 21982), (905, 22087), (907, 22093), (959, 22228),

Gene: Porcelain_33 Start: 24890, Stop: 26623, Start Num: 133

Candidate Starts for Porcelain_33:

(Start: 133 @24890 has 29 MA's), (Start: 197 @24980 has 47 MA's), (198, 24983), (237, 25058), (247, 25085), (272, 25151), (291, 25187), (302, 25217), (307, 25232), (345, 25316), (365, 25352), (380, 25379), (406, 25418), (418, 25451), (421, 25460), (439, 25517), (469, 25559), (507, 25634), (510, 25646), (530, 25706), (573, 25760), (587, 25790), (595, 25808), (601, 25817), (613, 25850), (617, 25862), (620, 25868), (632, 25907), (659, 25964), (772, 26114), (782, 26132), (802, 26174), (808, 26198), (809, 26201), (813, 26216), (824, 26246), (833, 26276), (851, 26333), (919, 26483), (961, 26603), (965, 26609),

Gene: Porky_24 Start: 19667, Stop: 21262, Start Num: 197

Candidate Starts for Porky_24:

(Start: 137 @19583 has 84 MA's), (Start: 197 @19667 has 47 MA's), (Start: 239 @19745 has 1 MA's), (272, 19832), (282, 19847), (301, 19895), (315, 19934), (363, 20021), (380, 20054), (404, 20090), (417, 20120), (418, 20126), (441, 20195), (483, 20225), (487, 20237), (488, 20240), (510, 20297), (587, 20429), (589, 20435), (617, 20501), (620, 20507), (626, 20531), (647, 20579), (659, 20603), (665, 20612), (695, 20687), (761, 20738), (772, 20753), (833, 20915), (841, 20942), (851, 20972), (890, 21077), (938, 21155), (947, 21191), (950, 21200), (959, 21233), (965, 21248),

Gene: Portcullis_31 Start: 25894, Stop: 27660, Start Num: 107

Candidate Starts for Portcullis_31:

(90, 25852), (Start: 107 @25894 has 72 MA's), (Start: 126 @25930 has 1 MA's), (Start: 150 @25963 has 25 MA's), (263, 26173), (265, 26176), (303, 26206), (333, 26272), (349, 26296), (356, 26305), (375, 26338), (443, 26491), (463, 26530), (487, 26581), (491, 26593), (495, 26611), (501, 26623), (506, 26635), (510, 26650), (520, 26680), (521, 26683), (527, 26704), (583, 26776), (602, 26824), (649, 26935), (669, 26968), (686, 27007), (687, 27010), (710, 27082), (753, 27148), (759, 27160), (845, 27331), (846, 27334), (862, 27382), (875, 27409), (884, 27436), (886, 27442), (905, 27490), (951, 27607), (957, 27628), (966, 27655),

Gene: Posh_20 Start: 17530, Stop: 19236, Start Num: 145

Candidate Starts for Posh_20:

(Start: 129 @17506 has 45 MA's), (Start: 145 @17530 has 749 MA's), (216, 17635), (242, 17677), (285, 17752), (349, 17866), (423, 18013), (425, 18019), (440, 18064), (500, 18202), (525, 18277), (674, 18559), (681, 18580), (708, 18655), (759, 18742), (787, 18778), (802, 18811), (804, 18817), (835, 18883), (845, 18913), (905, 19069), (907, 19075), (912, 19093), (957, 19204),

Gene: PotPie_18 Start: 16277, Stop: 17974, Start Num: 135

Candidate Starts for PotPie_18:

(Start: 135 @16277 has 8 MA's), (Start: 145 @16280 has 749 MA's), (213, 16379), (Start: 239 @16421 has 1 MA's), (379, 16661), (423, 16748), (430, 16769), (433, 16778), (442, 16805), (463, 16850), (481, 16883), (486, 16898), (493, 16922), (506, 16955), (516, 16988), (520, 17000), (539, 17057), (582, 17105), (592, 17135), (606, 17165), (613, 17180), (628, 17228), (654, 17279), (675, 17315), (680, 17330), (689, 17348), (708, 17405), (710, 17414), (796, 17534), (802, 17546), (828, 17594), (844, 17645), (845, 17648), (851, 17666), (881, 17744), (890, 17771), (907, 17813), (961, 17960), (965, 17966),

Gene: PotatoChip_34 Start: 29329, Stop: 30927, Start Num: 262

Candidate Starts for PotatoChip_34:

(Start: 262 @29329 has 8 MA's), (327, 29428), (363, 29497), (383, 29536), (442, 29671), (467, 29731), (530, 29884), (535, 29896), (537, 29905), (538, 29908), (568, 29953), (572, 29968), (578, 29977), (582, 29986), (604, 30040), (611, 30058), (630, 30112), (719, 30328), (767, 30421), (821, 30529), (835, 30583), (861, 30658), (922, 30787), (963, 30913),

Gene: PotatoSplit_30 Start: 20379, Stop: 22175, Start Num: 145

Candidate Starts for PotatoSplit_30:

(Start: 145 @20379 has 749 MA's), (Start: 191 @20436 has 1 MA's), (199, 20451), (216, 20484), (233, 20505), (Start: 239 @20520 has 1 MA's), (297, 20607), (303, 20619), (304, 20622), (349, 20697), (361, 20712), (379, 20748), (470, 20955), (516, 21069), (528, 21108), (560, 21195), (616, 21309), (623, 21333), (629, 21351), (675, 21432), (701, 21507), (708, 21525), (717, 21558), (720, 21564), (739, 21603), (777, 21657), (779, 21660), (791, 21681), (810, 21738), (865, 21906), (905, 22011), (907, 22017), (959, 22152),

Gene: Poushou_19 Start: 17425, Stop: 19089, Start Num: 148

Candidate Starts for Poushou_19:

(Start: 148 @17425 has 202 MA's), (174, 17458), (329, 17716), (376, 17794), (433, 17917), (436, 17926), (437, 17929), (440, 17938), (443, 17947), (507, 18088), (510, 18100), (527, 18154), (607, 18289), (621, 18322), (625, 18340), (629, 18352), (636, 18367), (674, 18427), (681, 18448), (685, 18457), (708, 18523), (717, 18556), (757, 18586), (762, 18592), (765, 18595), (802, 18664), (844, 18763), (847, 18772), (906, 18928), (909, 18940),

Gene: Power_28 Start: 20118, Stop: 21890, Start Num: 145

Candidate Starts for Power_28:

(103, 20052), (Start: 128 @20094 has 10 MA's), (Start: 145 @20118 has 749 MA's), (216, 20217), (256, 20301), (303, 20352), (304, 20355), (347, 20427), (349, 20430), (381, 20484), (407, 20523),

(423, 20568), (434, 20601), (470, 20688), (504, 20769), (507, 20772), (617, 21045), (675, 21165), (717, 21291), (757, 21345), (795, 21408), (802, 21423), (804, 21429), (821, 21483), (832, 21522), (836, 21537), (865, 21621), (907, 21732), (959, 21867),

Gene: Powerball_19 Start: 16819, Stop: 18399, Start Num: 268

Candidate Starts for Powerball_19:

(Start: 268 @16819 has 52 MA's), (418, 17077), (425, 17098), (443, 17152), (449, 17170), (459, 17191), (482, 17248), (489, 17269), (582, 17440), (588, 17458), (601, 17482), (608, 17503), (628, 17545), (671, 17626), (705, 17716), (745, 17818), (748, 17821), (779, 17875), (913, 18244), (918, 18253), (922, 18259), (932, 18283), (938, 18295),

Gene: Priamo_31 Start: 20019, Stop: 21791, Start Num: 145

Candidate Starts for Priamo_31:

(103, 19953), (Start: 128 @19995 has 10 MA's), (Start: 145 @20019 has 749 MA's), (240, 20157), (261, 20217), (303, 20253), (304, 20256), (347, 20328), (349, 20331), (381, 20385), (385, 20391), (415, 20442), (434, 20502), (436, 20508), (448, 20547), (470, 20589), (488, 20628), (504, 20670), (507, 20673), (523, 20733), (624, 20970), (629, 20985), (675, 21066), (706, 21153), (720, 21198), (802, 21324), (821, 21384), (832, 21423), (833, 21426), (836, 21438), (865, 21522), (905, 21627), (907, 21633), (959, 21768),

Gene: PrincePatrick_19 Start: 16814, Stop: 18463, Start Num: 220

Candidate Starts for PrincePatrick_19:

(41, 16283), (44, 16313), (47, 16319), (64, 16451), (70, 16508), (74, 16517), (Start: 128 @16676 has 10 MA's), (196, 16778), (Start: 220 @16814 has 45 MA's), (261, 16919), (295, 16997), (318, 17057), (324, 17069), (327, 17072), (423, 17270), (428, 17285), (433, 17300), (470, 17369), (482, 17381), (485, 17390), (486, 17393), (492, 17414), (510, 17456), (520, 17486), (620, 17669), (626, 17693), (658, 17744), (695, 17837), (700, 17849), (736, 17891), (747, 17909), (810, 18044), (841, 18143), (847, 18161), (865, 18212), (888, 18272), (890, 18278), (935, 18353),

Gene: Pringar_50 Start: 27006, Stop: 28718, Start Num: 166

Candidate Starts for Pringar_50:

(120, 26943), (Start: 166 @27006 has 28 MA's), (211, 27087), (246, 27144), (276, 27225), (281, 27231), (317, 27288), (323, 27300), (329, 27312), (352, 27351), (363, 27366), (403, 27435), (423, 27489), (426, 27498), (491, 27654), (510, 27702), (512, 27711), (516, 27720), (528, 27759), (535, 27774), (583, 27837), (587, 27849), (629, 27966), (631, 27969), (657, 28020), (673, 28047), (675, 28050), (682, 28071), (698, 28113), (777, 28233), (787, 28251), (847, 28395), (862, 28440), (871, 28458), (904, 28542), (907, 28551), (912, 28569), (925, 28590), (944, 28635), (946, 28641), (950, 28653), (953, 28665), (957, 28677), (965, 28701), (969, 28707),

Gene: Priscilla_16 Start: 14816, Stop: 16525, Start Num: 132

Candidate Starts for Priscilla_16:

(Start: 132 @14816 has 199 MA's), (198, 14903), (Start: 228 @14948 has 2 MA's), (237, 14972), (277, 15077), (282, 15083), (290, 15101), (301, 15131), (349, 15236), (383, 15296), (398, 15317), (404, 15326), (415, 15350), (438, 15425), (439, 15428), (481, 15476), (486, 15491), (488, 15497), (501, 15533), (503, 15536), (509, 15548), (510, 15554), (523, 15602), (530, 15614), (531, 15620), (586, 15680), (590, 15692), (606, 15728), (612, 15740), (644, 15815), (647, 15824), (656, 15842), (659, 15848), (671, 15878), (755, 15983), (764, 15995), (785, 16031), (813, 16109), (851, 16229), (862, 16262), (877, 16292), (886, 16322), (889, 16331), (891, 16337), (905, 16352), (906, 16355), (916, 16379), (935, 16409), (940, 16421), (947, 16451), (959, 16493),

Gene: Prithvi_23 Start: 17122, Stop: 18888, Start Num: 145

Candidate Starts for Prithvi_23:

(Start: 145 @17122 has 749 MA's), (Start: 170 @17152 has 1 MA's), (251, 17311), (261, 17344), (276, 17374), (291, 17407), (298, 17419), (338, 17509), (361, 17551), (398, 17614), (404, 17623), (409, 17632), (422, 17671), (436, 17716), (443, 17737), (444, 17740), (488, 17812), (504, 17854), (508, 17860), (516, 17887), (586, 18025), (593, 18043), (612, 18085), (619, 18103), (628, 18133), (647, 18160), (693, 18265), (797, 18424), (809, 18460), (820, 18490), (823, 18499), (845, 18574), (862, 18625), (950, 18820), (960, 18859), (961, 18862), (971, 18880),

Gene: Priya_30 Start: 21780, Stop: 23570, Start Num: 145

Candidate Starts for Priya_30:

(Start: 143 @21777 has 53 MA's), (Start: 145 @21780 has 749 MA's), (303, 22014), (304, 22017), (347, 22089), (349, 22092), (361, 22107), (381, 22146), (385, 22152), (434, 22263), (470, 22350), (504, 22431), (507, 22434), (523, 22494), (582, 22620), (609, 22683), (617, 22707), (620, 22713), (629, 22746), (675, 22827), (717, 22953), (737, 22995), (739, 22998), (779, 23055), (795, 23088), (802, 23103), (832, 23202), (833, 23205), (836, 23217), (865, 23301), (890, 23367), (905, 23406), (907, 23412), (928, 23457), (950, 23514), (951, 23517),

Gene: PsychoKiller_18 Start: 15729, Stop: 17429, Start Num: 135

Candidate Starts for PsychoKiller_18:

(Start: 135 @15729 has 8 MA's), (Start: 145 @15732 has 749 MA's), (263, 15942), (349, 16065), (379, 16116), (423, 16203), (426, 16212), (433, 16233), (438, 16248), (442, 16260), (481, 16338), (485, 16350), (493, 16377), (506, 16410), (516, 16443), (520, 16455), (535, 16497), (606, 16620), (632, 16692), (675, 16770), (680, 16785), (689, 16803), (708, 16860), (779, 16953), (796, 16989), (802, 17001), (804, 17007), (807, 17019), (818, 17028), (844, 17100), (845, 17103), (847, 17109), (851, 17121), (875, 17181), (890, 17226), (893, 17235), (907, 17268), (940, 17334),

Gene: Pukovnik_30 Start: 21690, Stop: 23462, Start Num: 145

Candidate Starts for Pukovnik_30:

(Start: 128 @21666 has 10 MA's), (Start: 145 @21690 has 749 MA's), (Start: 239 @21825 has 1 MA's), (246, 21843), (303, 21924), (304, 21927), (347, 21999), (349, 22002), (385, 22062), (434, 22173), (470, 22260), (504, 22341), (507, 22344), (551, 22470), (560, 22500), (668, 22722), (675, 22737), (717, 22863), (720, 22869), (757, 22917), (795, 22980), (802, 22995), (804, 23001), (808, 23019), (821, 23055), (832, 23094), (836, 23109), (865, 23193), (894, 23271), (905, 23298), (907, 23304), (928, 23349),

Gene: PullumCavea_31 Start: 25945, Stop: 27711, Start Num: 107

Candidate Starts for PullumCavea_31:

(90, 25903), (Start: 107 @25945 has 72 MA's), (Start: 126 @25981 has 1 MA's), (Start: 150 @26014 has 25 MA's), (263, 26224), (265, 26227), (303, 26257), (333, 26323), (349, 26347), (356, 26356), (375, 26389), (443, 26542), (463, 26581), (487, 26632), (491, 26644), (495, 26662), (501, 26674), (506, 26686), (510, 26701), (520, 26731), (521, 26734), (527, 26755), (583, 26827), (602, 26875), (649, 26986), (669, 27019), (686, 27058), (687, 27061), (710, 27133), (753, 27199), (759, 27211), (845, 27382), (846, 27385), (862, 27433), (875, 27460), (884, 27487), (905, 27541), (951, 27658), (957, 27679), (966, 27706),

Gene: Pumbaa_27 Start: 19802, Stop: 21580, Start Num: 145

Candidate Starts for Pumbaa_27:

(Start: 128 @19778 has 10 MA's), (Start: 145 @19802 has 749 MA's), (180, 19844), (Start: 191 @19859 has 1 MA's), (Start: 220 @19913 has 45 MA's), (233, 19928), (240, 19946), (297, 20030), (303, 20042), (304, 20045), (349, 20120), (361, 20135), (381, 20174), (434, 20291), (470, 20378), (504, 20459), (521, 20507), (528, 20531), (560, 20618), (587, 20663), (617, 20735), (623, 20756), (629, 20774), (675, 20855), (708, 20948), (710, 20957), (717, 20981), (720, 20987), (731, 21011), (779, 21065), (791, 21086), (808, 21137), (815, 21161), (833, 21215), (865, 21311), (905, 21416), (909, 21431), (954, 21539), (959, 21557),

Gene: Pumpkin_26 Start: 19910, Stop: 21505, Start Num: 197

Candidate Starts for Pumpkin_26:

(Start: 137 @19826 has 84 MA's), (Start: 197 @19910 has 47 MA's), (Start: 239 @19988 has 1 MA's), (272, 20075), (282, 20090), (301, 20138), (315, 20177), (363, 20264), (380, 20297), (404, 20333), (417, 20363), (418, 20369), (441, 20438), (483, 20468), (487, 20480), (488, 20483), (510, 20540), (587, 20672), (589, 20678), (617, 20744), (620, 20750), (626, 20774), (647, 20822), (659, 20846), (665, 20855), (695, 20930), (761, 20981), (772, 20996), (833, 21158), (841, 21185), (851, 21215), (890, 21320), (938, 21398), (947, 21434), (950, 21443), (959, 21476), (965, 21491),

Gene: Puppies_18 Start: 15139, Stop: 16755, Start Num: 184

Candidate Starts for Puppies_18:

(Start: 184 @15139 has 11 MA's), (236, 15235), (304, 15403), (333, 15466), (404, 15589), (457, 15706), (504, 15784), (530, 15859), (542, 15892), (609, 15985), (616, 16006), (669, 16123), (691, 16165), (695, 16183), (700, 16195), (701, 16198), (799, 16303), (802, 16309), (806, 16324), (824, 16381), (909, 16600), (951, 16699),

Gene: Puppy_28 Start: 19523, Stop: 21319, Start Num: 145

Candidate Starts for Puppy_28:

(Start: 145 @19523 has 749 MA's), (Start: 191 @19580 has 1 MA's), (233, 19649), (297, 19751), (303, 19763), (304, 19766), (349, 19841), (361, 19856), (381, 19895), (440, 20030), (470, 20099), (516, 20213), (560, 20339), (623, 20477), (629, 20495), (675, 20576), (701, 20651), (708, 20669), (710, 20678), (717, 20702), (720, 20708), (729, 20723), (749, 20756), (777, 20801), (779, 20804), (791, 20825), (795, 20837), (815, 20900), (865, 21050), (905, 21155), (907, 21161), (959, 21296),

Gene: Purgamenstris_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Purgamenstris_18:

(Start: 134 @14993 has 40 MA's), (161, 15020), (185, 15059), (Start: 228 @15125 has 2 MA's), (232, 15137), (245, 15173), (254, 15197), (263, 15224), (272, 15245), (277, 15254), (282, 15260), (296, 15293), (379, 15467), (383, 15473), (389, 15482), (395, 15491), (404, 15503), (415, 15527), (427, 15569), (438, 15602), (481, 15653), (482, 15656), (486, 15668), (501, 15710), (509, 15725), (510, 15731), (523, 15779), (554, 15833), (586, 15857), (616, 15929), (636, 15983), (644, 15992), (647, 16001), (659, 16025), (670, 16052), (671, 16055), (755, 16160), (761, 16169), (785, 16208), (814, 16289), (832, 16346), (844, 16385), (886, 16499), (905, 16529), (906, 16532), (916, 16556), (938, 16592),

Gene: Purky_18 Start: 15971, Stop: 17707, Start Num: 129

Candidate Starts for Purky_18:

(Start: 129 @15971 has 45 MA's), (Start: 187 @16055 has 15 MA's), (218, 16106), (221, 16109), (250, 16175), (256, 16196), (263, 16214), (279, 16247), (291, 16271), (336, 16379), (341, 16391), (363, 16430), (365, 16436), (380, 16466), (395, 16490), (421, 16547), (422, 16550), (441, 16607), (470, 16646), (481, 16652), (489, 16676), (510, 16730), (517, 16751), (537, 16811), (595, 16889), (622, 16961), (647, 17027), (659, 17051), (669, 17075), (686, 17105), (691, 17117), (782, 17219), (788, 17231), (830, 17357), (858, 17441), (862, 17453), (885, 17510), (965, 17696),

Gene: PurpleHaze_29 Start: 20459, Stop: 22255, Start Num: 145

Candidate Starts for PurpleHaze_29:

(Start: 145 @20459 has 749 MA's), (Start: 191 @20516 has 1 MA's), (199, 20531), (233, 20585), (Start: 239 @20600 has 1 MA's), (297, 20687), (303, 20699), (304, 20702), (349, 20777), (361, 20792), (470, 21035), (528, 21188), (560, 21275), (609, 21368), (616, 21389), (623, 21413), (627, 21425), (629, 21431), (675, 21512), (701, 21587), (708, 21605), (710, 21614), (717, 21638), (720, 21644), (729, 21659), (739, 21683), (777, 21737), (779, 21740), (791, 21761), (905, 22091), (907, 22097), (959, 22232),

Gene: Pygmy_18 Start: 16108, Stop: 17844, Start Num: 129

Candidate Starts for Pygmy_18:

(Start: 114 @16084 has 2 MA's), (Start: 129 @16108 has 45 MA's), (174, 16168), (185, 16189), (Start: 187 @16192 has 15 MA's), (250, 16312), (263, 16351), (279, 16384), (291, 16408), (341, 16528), (363, 16567), (365, 16573), (411, 16657), (415, 16663), (418, 16675), (425, 16699), (434, 16726), (441, 16744), (470, 16783), (481, 16789), (489, 16813), (510, 16867), (513, 16879), (517, 16888), (537, 16948), (595, 17026), (612, 17065), (622, 17098), (647, 17164), (654, 17179), (659, 17188), (669, 17212), (686, 17242), (691, 17254), (782, 17356), (788, 17368), (791, 17371), (794, 17377), (796, 17386), (830, 17494), (858, 17578), (898, 17677), (950, 17785), (965, 17833),

Gene: Pytheas_20 Start: 17676, Stop: 19382, Start Num: 145

Candidate Starts for Pytheas_20:

(Start: 129 @17652 has 45 MA's), (Start: 145 @17676 has 749 MA's), (216, 17781), (242, 17823), (285, 17898), (349, 18012), (423, 18159), (425, 18165), (500, 18348), (525, 18423), (674, 18705), (681, 18726), (708, 18801), (787, 18924), (802, 18957), (804, 18963), (835, 19029), (845, 19059), (905, 19215), (907, 19221), (912, 19239), (957, 19350),

Gene: QTRlifeCrisis_27 Start: 21720, Stop: 23522, Start Num: 148

Candidate Starts for QTRlifeCrisis_27:

(Start: 148 @21720 has 202 MA's), (Start: 166 @21741 has 28 MA's), (Start: 191 @21783 has 1 MA's), (215, 21828), (349, 22044), (376, 22089), (381, 22098), (407, 22137), (425, 22188), (426, 22191), (507, 22386), (528, 22455), (616, 22656), (617, 22659), (623, 22680), (674, 22776), (675, 22779), (677, 22785), (701, 22854), (708, 22872), (710, 22881), (720, 22911), (779, 23007), (795, 23040), (802, 23055), (845, 23196), (865, 23253), (907, 23364),

Gene: Qobbit_30 Start: 21776, Stop: 23569, Start Num: 143

Candidate Starts for Qobbit_30:

(Start: 143 @21776 has 53 MA's), (Start: 145 @21779 has 749 MA's), (303, 22013), (304, 22016), (347, 22088), (349, 22091), (361, 22106), (381, 22145), (385, 22151), (434, 22262), (470, 22349), (504, 22430), (507, 22433), (582, 22619), (609, 22682), (617, 22706), (620, 22712), (629, 22745), (675, 22826), (717, 22952), (737, 22994), (779, 23054), (795, 23087), (802, 23102), (832, 23201), (833, 23204), (836, 23216), (865, 23300), (890, 23366), (905, 23405), (907, 23411), (928, 23456), (950, 23513), (951, 23516),

Gene: Quallification_25 Start: 19952, Stop: 21631, Start Num: 137

Candidate Starts for Quallification_25:

(Start: 137 @19952 has 84 MA's), (Start: 197 @20036 has 47 MA's), (Start: 239 @20114 has 1 MA's), (272, 20201), (282, 20216), (301, 20264), (315, 20303), (363, 20390), (380, 20423), (404, 20459), (417, 20489), (418, 20495), (441, 20564), (483, 20594), (487, 20606), (488, 20609), (510, 20666), (587, 20798), (589, 20804), (617, 20870), (620, 20876), (626, 20900), (647, 20948), (659, 20972), (665, 20981), (695, 21056), (761, 21107), (772, 21122), (833, 21284), (841, 21311), (851, 21341), (890, 21446), (938, 21524), (947, 21560), (950, 21569), (959, 21602), (965, 21617),

Gene: Quasar_18 Start: 16341, Stop: 18038, Start Num: 145

Candidate Starts for Quasar_18:

(Start: 135 @16338 has 8 MA's), (Start: 145 @16341 has 749 MA's), (263, 16551), (349, 16674), (379, 16725), (423, 16812), (426, 16821), (433, 16842), (438, 16857), (442, 16869), (481, 16947), (485, 16959), (493, 16986), (506, 17019), (516, 17052), (520, 17064), (606, 17229), (632, 17301), (675, 17379), (680, 17394), (689, 17412), (708, 17469), (779, 17562), (796, 17598), (802, 17610), (804, 17616), (807, 17628), (818, 17637), (844, 17709), (845, 17712), (847, 17718), (851, 17730), (875, 17790), (890, 17835), (893, 17844), (907, 17877), (940, 17943),

Gene: QueenB2_28 Start: 20236, Stop: 22008, Start Num: 145

Candidate Starts for QueenB2_28:

(103, 20170), (Start: 128 @20212 has 10 MA's), (Start: 145 @20236 has 749 MA's), (303, 20470), (304, 20473), (347, 20545), (349, 20548), (381, 20602), (407, 20641), (423, 20686), (434, 20719), (470, 20806), (504, 20887), (507, 20890), (617, 21163), (675, 21283), (717, 21409), (757, 21463), (765, 21472), (779, 21493), (795, 21526), (802, 21541), (804, 21547), (821, 21601), (832, 21640), (836, 21655), (865, 21739), (907, 21850),

Gene: QueenBeesly_28 Start: 20118, Stop: 21890, Start Num: 145

Candidate Starts for QueenBeesly_28:

(103, 20052), (Start: 128 @20094 has 10 MA's), (Start: 145 @20118 has 749 MA's), (216, 20217), (256, 20301), (303, 20352), (304, 20355), (347, 20427), (349, 20430), (381, 20484), (407, 20523), (423, 20568), (434, 20601), (470, 20688), (504, 20769), (507, 20772), (617, 21045), (675, 21165), (717, 21291), (757, 21345), (795, 21408), (802, 21423), (804, 21429), (821, 21483), (832, 21522), (836, 21537), (841, 21552), (865, 21621), (907, 21732), (959, 21867),

Gene: QueenHazel_19 Start: 16491, Stop: 18224, Start Num: 139

Candidate Starts for QueenHazel_19:

(77, 16344), (85, 16371), (87, 16374), (89, 16383), (123, 16464), (Start: 139 @16491 has 6 MA's), (208, 16590), (214, 16599), (245, 16665), (254, 16689), (279, 16749), (282, 16752), (294, 16779), (379, 16959), (395, 16983), (404, 16995), (415, 17019), (481, 17145), (486, 17160), (489, 17169), (503, 17205), (510, 17223), (530, 17283), (636, 17475), (644, 17484), (659, 17517), (761, 17661), (788, 17706), (824, 17808), (826, 17817), (830, 17835), (832, 17838), (865, 17937), (886, 17997), (892, 18015), (905, 18051), (909, 18066), (938, 18114), (957, 18183),

Gene: QuickMath_17 Start: 16152, Stop: 17861, Start Num: 132

Candidate Starts for QuickMath_17:

(Start: 132 @16152 has 199 MA's), (198, 16239), (Start: 228 @16284 has 2 MA's), (237, 16308), (277, 16413), (282, 16419), (290, 16437), (301, 16467), (349, 16572), (353, 16578), (383, 16632), (389, 16641), (398, 16653), (404, 16662), (415, 16686), (442, 16773), (459, 16788), (481, 16812), (486, 16827), (488, 16833), (501, 16869), (503, 16872), (509, 16884), (510, 16890), (523, 16938), (530, 16950), (531, 16956), (586, 17016), (590, 17028), (606, 17064), (612, 17076), (620, 17097), (644, 17151), (647, 17160), (656, 17178), (659, 17184), (671, 17214), (755, 17319), (761, 17328), (764, 17331), (785, 17367), (810, 17433), (813, 17445), (844, 17544), (851, 17565), (862, 17598), (877, 17628), (886, 17658), (889, 17667), (891, 17673), (905, 17688), (906, 17691), (916, 17715), (935, 17745), (940, 17757), (947, 17787), (959, 17829),

Gene: Quico_17 Start: 14636, Stop: 16345, Start Num: 132

Candidate Starts for Quico_17:

(Start: 132 @14636 has 199 MA's), (198, 14723), (Start: 228 @14768 has 2 MA's), (237, 14792), (277, 14897), (282, 14903), (290, 14921), (301, 14951), (349, 15056), (383, 15116), (398, 15137), (404, 15146), (415, 15170), (481, 15296), (486, 15311), (488, 15317), (493, 15335), (494, 15338), (501, 15353), (503, 15356), (509, 15368), (510, 15374), (512, 15383), (523, 15422), (530, 15434), (531, 15440), (586, 15500), (606, 15548), (612, 15560), (644, 15635), (647, 15644), (656, 15662), (659, 15668), (671, 15698), (755, 15803), (764, 15815), (785, 15851), (813, 15929), (844, 16028), (851, 16049), (862, 16082), (877, 16112), (886, 16142), (889, 16151), (891, 16157), (905, 16172), (906, 16175), (914, 16196), (916, 16199), (940, 16241), (947, 16271), (959, 16313),

Gene: QuincyRose_22 Start: 17168, Stop: 18934, Start Num: 145

Candidate Starts for QuincyRose_22:

(Start: 145 @17168 has 749 MA's), (Start: 170 @17198 has 1 MA's), (251, 17357), (261, 17390), (276, 17420), (291, 17453), (298, 17465), (338, 17555), (361, 17597), (404, 17669), (409, 17678), (422, 17717), (436, 17762), (443, 17783), (444, 17786), (482, 17840), (488, 17858), (504, 17900), (508,

17906), (516, 17933), (586, 18071), (593, 18089), (612, 18131), (619, 18149), (628, 18179), (647, 18206), (693, 18311), (797, 18470), (809, 18506), (823, 18545), (845, 18620), (862, 18671), (950, 18866), (960, 18905), (961, 18908), (971, 18926),

Gene: QuinnKiro_27 Start: 20455, Stop: 22254, Start Num: 145

Candidate Starts for QuinnKiro_27:

(Start: 145 @20455 has 749 MA's), (Start: 191 @20515 has 1 MA's), (233, 20584), (297, 20686), (303, 20698), (304, 20701), (349, 20776), (361, 20791), (381, 20830), (440, 20965), (470, 21034), (516, 21148), (560, 21274), (616, 21388), (623, 21412), (627, 21424), (629, 21430), (675, 21511), (701, 21586), (708, 21604), (710, 21613), (717, 21637), (720, 21643), (729, 21658), (749, 21691), (777, 21736), (779, 21739), (791, 21760), (833, 21889), (865, 21985), (905, 22090), (907, 22096), (959, 22231),

Gene: REQ2_20 Start: 19089, Stop: 20663, Start Num: 193

Candidate Starts for REQ2_20:

(Start: 193 @19089 has 1 MA's), (237, 19173), (251, 19212), (307, 19347), (346, 19428), (381, 19491), (486, 19671), (487, 19674), (488, 19677), (510, 19737), (523, 19785), (578, 19848), (586, 19866), (590, 19878), (602, 19902), (612, 19926), (616, 19938), (628, 19974), (691, 20073), (700, 20103), (701, 20106), (782, 20175), (794, 20196), (808, 20241), (813, 20259), (824, 20289), (839, 20340), (858, 20397), (877, 20439), (953, 20616),

Gene: REQ3_50 Start: 32274, Stop: 33917, Start Num: 157

Candidate Starts for REQ3_50:

(Start: 143 @32259 has 53 MA's), (Start: 157 @32274 has 12 MA's), (Start: 164 @32283 has 42 MA's), (259, 32466), (265, 32475), (323, 32538), (329, 32550), (349, 32583), (376, 32625), (379, 32631), (415, 32691), (423, 32718), (425, 32724), (440, 32769), (451, 32805), (469, 32835), (481, 32853), (500, 32904), (510, 32928), (523, 32976), (583, 33054), (637, 33195), (651, 33222), (669, 33243), (674, 33252), (708, 33348), (709, 33354), (720, 33387), (756, 33408), (824, 33522), (847, 33597), (953, 33873), (957, 33885), (961, 33903), (965, 33909),

Gene: RER2_16 Start: 13221, Stop: 14846, Start Num: 173

Candidate Starts for RER2_16:

(Start: 162 @13206 has 3 MA's), (Start: 173 @13221 has 32 MA's), (210, 13290), (236, 13326), (261, 13398), (349, 13512), (421, 13641), (434, 13683), (440, 13701), (443, 13710), (450, 13734), (463, 13752), (478, 13776), (481, 13782), (486, 13797), (487, 13800), (507, 13848), (609, 14049), (617, 14073), (674, 14187), (701, 14265), (713, 14304), (717, 14316), (757, 14346), (802, 14424), (860, 14571), (900, 14670), (905, 14685), (965, 14838),

Gene: RGL3_16 Start: 13452, Stop: 15005, Start Num: 210

Candidate Starts for RGL3_16:

(141, 13356), (Start: 162 @13368 has 3 MA's), (Start: 173 @13383 has 32 MA's), (210, 13452), (236, 13488), (248, 13521), (261, 13560), (323, 13629), (349, 13674), (361, 13689), (421, 13803), (423, 13812), (445, 13878), (450, 13896), (463, 13914), (481, 13944), (486, 13959), (487, 13962), (501, 14001), (507, 14010), (516, 14040), (587, 14160), (617, 14232), (629, 14271), (657, 14319), (674, 14346), (713, 14463), (717, 14475), (757, 14505), (802, 14583), (860, 14730), (886, 14796), (900, 14829), (905, 14844), (965, 14997),

Gene: Rabbitrun_30 Start: 23608, Stop: 25353, Start Num: 157

Candidate Starts for Rabbitrun_30:

(104, 23530), (Start: 142 @23593 has 1 MA's), (Start: 157 @23608 has 12 MA's), (180, 23638), (205, 23680), (276, 23824), (284, 23836), (303, 23860), (323, 23899), (326, 23902), (332, 23920), (381, 24016), (394, 24037), (415, 24073), (423, 24103), (434, 24136), (443, 24163), (470, 24223), (500, 24292), (504, 24301), (510, 24316), (520, 24346), (582, 24454), (609, 24526), (612, 24535), (675,

24673), (676, 24676), (691, 24715), (701, 24748), (712, 24781), (715, 24790), (720, 24802), (757, 24832), (783, 24871), (787, 24877), (793, 24886), (844, 25012), (865, 25072), (881, 25108), (886, 25123), (905, 25159), (907, 25165), (909, 25174), (930, 25228), (944, 25270), (952, 25297), (957, 25312), (961, 25330), (969, 25342),

Gene: Rabbs_18 Start: 16648, Stop: 18411, Start Num: 138

Candidate Starts for Rabbs_18:

(Start: 138 @16648 has 25 MA's), (Start: 164 @16657 has 42 MA's), (Start: 168 @16663 has 2 MA's), (172, 16669), (222, 16747), (244, 16801), (261, 16852), (276, 16882), (Start: 288 @16906 has 1 MA's), (335, 17008), (353, 17047), (357, 17053), (365, 17068), (439, 17233), (466, 17290), (488, 17329), (504, 17371), (508, 17377), (520, 17416), (565, 17515), (586, 17542), (687, 17770), (693, 17788), (701, 17815), (760, 17899), (778, 17917), (792, 17932), (812, 17995), (833, 18058), (840, 18082), (851, 18115), (865, 18154), (882, 18196), (950, 18343), (971, 18403),

Gene: Rachaly_31 Start: 21834, Stop: 23606, Start Num: 145

Candidate Starts for Rachaly_31:

(Start: 128 @21810 has 10 MA's), (Start: 145 @21834 has 749 MA's), (256, 22017), (303, 22068), (304, 22071), (347, 22143), (349, 22146), (381, 22200), (407, 22239), (434, 22317), (470, 22404), (504, 22485), (507, 22488), (520, 22530), (582, 22674), (609, 22737), (617, 22761), (629, 22800), (675, 22881), (720, 23013), (795, 23124), (802, 23139), (804, 23145), (811, 23175), (821, 23199), (832, 23238), (836, 23253), (847, 23286), (865, 23337), (894, 23415), (905, 23442), (907, 23448), (935, 23502),

Gene: Radiance_16 Start: 14789, Stop: 16498, Start Num: 132

Candidate Starts for Radiance_16:

(Start: 132 @14789 has 199 MA's), (198, 14876), (Start: 228 @14921 has 2 MA's), (237, 14945), (256, 15002), (277, 15050), (282, 15056), (290, 15074), (301, 15104), (349, 15209), (383, 15269), (389, 15278), (404, 15299), (415, 15323), (425, 15359), (427, 15365), (438, 15398), (439, 15401), (442, 15410), (459, 15425), (467, 15431), (481, 15449), (486, 15464), (488, 15470), (493, 15488), (494, 15491), (501, 15506), (503, 15509), (509, 15521), (510, 15527), (523, 15575), (530, 15587), (531, 15593), (586, 15653), (590, 15665), (606, 15701), (612, 15713), (644, 15788), (647, 15797), (656, 15815), (659, 15821), (671, 15851), (755, 15956), (761, 15965), (764, 15968), (785, 16004), (813, 16082), (844, 16181), (851, 16202), (862, 16235), (877, 16265), (886, 16295), (889, 16304), (891, 16310), (905, 16325), (906, 16328), (916, 16352), (935, 16382), (940, 16394), (947, 16424), (959, 16466),

Gene: Raela_50 Start: 27273, Stop: 28985, Start Num: 166

Candidate Starts for Raela_50:

(120, 27210), (Start: 166 @27273 has 28 MA's), (211, 27354), (246, 27411), (276, 27492), (281, 27498), (317, 27555), (323, 27567), (329, 27579), (352, 27618), (363, 27633), (403, 27702), (423, 27756), (426, 27765), (491, 27921), (510, 27969), (516, 27987), (528, 28026), (535, 28041), (583, 28104), (587, 28116), (629, 28233), (631, 28236), (657, 28287), (673, 28314), (675, 28317), (682, 28338), (698, 28380), (777, 28500), (787, 28518), (847, 28662), (862, 28707), (871, 28725), (904, 28809), (912, 28836), (925, 28857), (944, 28902), (946, 28908), (950, 28920), (953, 28932), (957, 28944), (965, 28968), (969, 28974),

Gene: Rahalelujah_27 Start: 19606, Stop: 21396, Start Num: 145

Candidate Starts for Rahalelujah_27:

(103, 19540), (Start: 133 @19591 has 29 MA's), (Start: 145 @19606 has 749 MA's), (215, 19702), (216, 19705), (263, 19807), (303, 19840), (304, 19843), (347, 19915), (349, 19918), (381, 19972), (385, 19978), (425, 20062), (434, 20089), (436, 20095), (438, 20101), (470, 20176), (504, 20257), (507, 20260), (523, 20320), (582, 20446), (609, 20509), (617, 20533), (627, 20566), (629, 20572), (675, 20653), (739, 20824), (779, 20881), (795, 20914), (802, 20929), (808, 20953), (821, 20989),

(832, 21028), (836, 21043), (865, 21127), (890, 21193), (905, 21232), (907, 21238), (928, 21283),

Gene: Rajelicia_27 Start: 20881, Stop: 22683, Start Num: 148

Candidate Starts for Rajelicia_27:

(Start: 148 @20881 has 202 MA's), (Start: 166 @20902 has 28 MA's), (Start: 191 @20944 has 1 MA's), (215, 20989), (349, 21205), (376, 21250), (381, 21259), (425, 21349), (426, 21352), (463, 21445), (507, 21547), (528, 21616), (612, 21805), (616, 21817), (617, 21820), (623, 21841), (674, 21937), (675, 21940), (677, 21946), (701, 22015), (708, 22033), (710, 22042), (720, 22072), (779, 22168), (795, 22201), (802, 22216), (845, 22357), (865, 22414), (907, 22525),

Gene: Rakim_25 Start: 19943, Stop: 21538, Start Num: 197

Candidate Starts for Rakim_25:

(Start: 137 @19859 has 84 MA's), (Start: 197 @19943 has 47 MA's), (Start: 239 @20021 has 1 MA's), (272, 20108), (282, 20123), (301, 20171), (315, 20210), (363, 20297), (380, 20330), (404, 20366), (417, 20396), (418, 20402), (441, 20471), (483, 20501), (487, 20513), (488, 20516), (510, 20573), (587, 20705), (589, 20711), (617, 20777), (620, 20783), (626, 20807), (647, 20855), (659, 20879), (665, 20888), (695, 20963), (761, 21014), (772, 21029), (833, 21191), (841, 21218), (851, 21248), (890, 21353), (938, 21431), (947, 21467), (950, 21476), (959, 21509), (965, 21524),

Gene: Ramen_23 Start: 17154, Stop: 18920, Start Num: 145

Candidate Starts for Ramen_23:

(Start: 145 @17154 has 749 MA's), (Start: 170 @17184 has 1 MA's), (251, 17343), (261, 17376), (276, 17406), (291, 17439), (298, 17451), (338, 17541), (361, 17583), (404, 17655), (409, 17664), (422, 17703), (436, 17748), (443, 17769), (444, 17772), (482, 17826), (488, 17844), (504, 17886), (508, 17892), (516, 17919), (586, 18057), (593, 18075), (612, 18117), (619, 18135), (628, 18165), (647, 18192), (693, 18297), (797, 18456), (809, 18492), (820, 18522), (823, 18531), (845, 18606), (862, 18657), (950, 18852), (960, 18891), (961, 18894), (971, 18912),

Gene: Ramsey_17 Start: 14835, Stop: 16544, Start Num: 132

Candidate Starts for Ramsey_17:

(Start: 132 @14835 has 199 MA's), (Start: 228 @14967 has 2 MA's), (237, 14991), (277, 15096), (282, 15102), (290, 15120), (301, 15150), (349, 15255), (383, 15315), (398, 15336), (404, 15345), (415, 15369), (438, 15444), (481, 15495), (486, 15510), (488, 15516), (501, 15552), (503, 15555), (509, 15567), (510, 15573), (523, 15621), (530, 15633), (531, 15639), (586, 15699), (590, 15711), (606, 15747), (612, 15759), (644, 15834), (647, 15843), (656, 15861), (659, 15867), (671, 15897), (755, 16002), (764, 16014), (785, 16050), (813, 16128), (844, 16227), (851, 16248), (862, 16281), (877, 16311), (886, 16341), (888, 16347), (889, 16350), (891, 16356), (905, 16371), (906, 16374), (914, 16395), (916, 16398), (940, 16440), (959, 16512), (960, 16518),

Gene: Rapunzel97_23 Start: 17155, Stop: 18921, Start Num: 145

Candidate Starts for Rapunzel97_23:

(Start: 145 @17155 has 749 MA's), (Start: 170 @17185 has 1 MA's), (251, 17344), (261, 17377), (276, 17407), (291, 17440), (298, 17452), (338, 17542), (361, 17584), (404, 17656), (409, 17665), (422, 17704), (436, 17749), (443, 17770), (444, 17773), (482, 17827), (488, 17845), (504, 17887), (508, 17893), (516, 17920), (586, 18058), (593, 18076), (612, 18118), (619, 18136), (628, 18166), (647, 18193), (693, 18298), (797, 18457), (809, 18493), (820, 18523), (823, 18532), (845, 18607), (862, 18658), (909, 18757), (950, 18853), (960, 18892), (961, 18895), (971, 18913),

Gene: Rasputin_23 Start: 16317, Stop: 17942, Start Num: 173

Candidate Starts for Rasputin_23:

(Start: 162 @16302 has 3 MA's), (Start: 173 @16317 has 32 MA's), (210, 16386), (236, 16422), (349, 16608), (421, 16737), (434, 16779), (443, 16806), (450, 16830), (463, 16848), (481, 16878), (486, 16893), (507, 16944), (535, 17028), (609, 17145), (617, 17169), (674, 17283), (692, 17331), (701,

17361), (713, 17400), (717, 17412), (757, 17442), (802, 17520), (860, 17667), (870, 17691), (884, 17727), (900, 17766), (965, 17934),

Gene: RavenCo17_17 Start: 15550, Stop: 17259, Start Num: 269

Candidate Starts for RavenCo17_17:

(Start: 191 @15379 has 1 MA's), (208, 15415), (Start: 269 @15550 has 31 MA's), (324, 15667), (405, 15817), (443, 15913), (452, 15940), (489, 16030), (490, 16033), (493, 16045), (547, 16219), (594, 16336), (605, 16360), (628, 16408), (688, 16525), (707, 16582), (719, 16621), (745, 16678), (808, 16807), (893, 17062), (894, 17065), (918, 17113), (932, 17143),

Gene: RayTheFireFly_19 Start: 17529, Stop: 19223, Start Num: 154

Candidate Starts for RayTheFireFly_19:

(Start: 126 @17499 has 1 MA's), (Start: 154 @17529 has 21 MA's), (216, 17631), (244, 17682), (265, 17739), (310, 17790), (355, 17868), (360, 17874), (433, 18024), (487, 18147), (508, 18207), (519, 18243), (533, 18285), (563, 18327), (583, 18351), (594, 18381), (708, 18642), (751, 18717), (783, 18759), (804, 18804), (845, 18900), (846, 18903), (851, 18918), (910, 19077), (912, 19083), (951, 19170), (965, 19215),

Gene: Raymond7_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Raymond7_18:

(Start: 134 @14993 has 40 MA's), (161, 15020), (185, 15059), (Start: 228 @15125 has 2 MA's), (232, 15137), (245, 15173), (254, 15197), (263, 15224), (272, 15245), (277, 15254), (282, 15260), (296, 15293), (379, 15467), (383, 15473), (389, 15482), (395, 15491), (404, 15503), (415, 15527), (427, 15569), (438, 15602), (481, 15653), (482, 15656), (486, 15668), (501, 15710), (509, 15725), (510, 15731), (523, 15779), (554, 15833), (586, 15857), (616, 15929), (636, 15983), (644, 15992), (647, 16001), (659, 16025), (670, 16052), (671, 16055), (755, 16160), (761, 16169), (785, 16208), (814, 16289), (832, 16346), (844, 16385), (886, 16499), (905, 16529), (906, 16532), (916, 16556), (938, 16592), (940, 16598),

Gene: ReMo_30 Start: 19093, Stop: 20880, Start Num: 145

Candidate Starts for ReMo_30:

(103, 19027), (Start: 128 @19069 has 10 MA's), (Start: 145 @19093 has 749 MA's), (240, 19231), (259, 19288), (304, 19330), (328, 19366), (349, 19405), (391, 19474), (407, 19498), (426, 19552), (488, 19702), (507, 19747), (516, 19777), (527, 19813), (543, 19864), (559, 19900), (587, 19948), (613, 20008), (674, 20137), (701, 20215), (802, 20416), (804, 20422), (833, 20518), (892, 20683), (938, 20782),

Gene: Reba_30 Start: 20125, Stop: 21921, Start Num: 145

Candidate Starts for Reba_30:

(Start: 145 @20125 has 749 MA's), (Start: 191 @20182 has 1 MA's), (199, 20197), (233, 20251), (Start: 239 @20266 has 1 MA's), (297, 20353), (303, 20365), (304, 20368), (349, 20443), (361, 20458), (470, 20701), (528, 20854), (560, 20941), (609, 21034), (616, 21055), (623, 21079), (627, 21091), (629, 21097), (675, 21178), (701, 21253), (708, 21271), (710, 21280), (717, 21304), (720, 21310), (739, 21349), (777, 21403), (779, 21406), (791, 21427), (865, 21652), (905, 21757), (907, 21763), (959, 21898),

Gene: Rebel_18 Start: 14990, Stop: 16699, Start Num: 134

Candidate Starts for Rebel_18:

(Start: 134 @14990 has 40 MA's), (161, 15017), (185, 15056), (Start: 228 @15122 has 2 MA's), (232, 15134), (245, 15170), (254, 15194), (263, 15221), (272, 15242), (277, 15251), (282, 15257), (296, 15290), (379, 15464), (383, 15470), (389, 15479), (395, 15488), (404, 15500), (415, 15524), (427, 15566), (438, 15599), (481, 15650), (482, 15653), (486, 15665), (501, 15707), (509, 15722), (510, 15728), (523, 15776), (554, 15830), (586, 15854), (616, 15926), (636, 15980), (644, 15989), (647,

15998), (659, 16022), (670, 16049), (671, 16052), (755, 16157), (761, 16166), (785, 16205), (814, 16286), (832, 16343), (844, 16382), (886, 16496), (905, 16526), (906, 16529), (916, 16553), (938, 16589),

Gene: Rebeuca_28 Start: 19987, Stop: 21765, Start Num: 145

Candidate Starts for Rebeuca_28:

(Start: 145 @19987 has 749 MA's), (Start: 191 @20044 has 1 MA's), (199, 20059), (216, 20092), (233, 20113), (297, 20215), (303, 20227), (304, 20230), (349, 20305), (361, 20320), (381, 20359), (434, 20476), (438, 20488), (440, 20494), (470, 20563), (492, 20617), (501, 20638), (516, 20677), (528, 20716), (560, 20803), (587, 20848), (609, 20896), (616, 20917), (623, 20941), (627, 20953), (629, 20959), (675, 21040), (708, 21133), (710, 21142), (717, 21166), (720, 21172), (729, 21187), (757, 21220), (791, 21271), (798, 21289), (845, 21439), (865, 21496), (877, 21520), (879, 21526), (905, 21601), (907, 21607), (909, 21616), (938, 21667), (959, 21742),

Gene: RedBaron_19 Start: 15773, Stop: 17473, Start Num: 135

Candidate Starts for RedBaron_19:

(Start: 121 @15746 has 1 MA's), (Start: 135 @15773 has 8 MA's), (Start: 145 @15776 has 749 MA's), (263, 15986), (349, 16109), (379, 16160), (423, 16247), (438, 16292), (442, 16304), (481, 16382), (485, 16394), (493, 16421), (506, 16454), (516, 16487), (520, 16499), (535, 16541), (606, 16664), (632, 16736), (675, 16814), (680, 16829), (689, 16847), (708, 16904), (779, 16997), (796, 17033), (802, 17045), (804, 17051), (807, 17063), (818, 17072), (844, 17144), (845, 17147), (847, 17153), (851, 17165), (875, 17225), (890, 17270), (893, 17279), (907, 17312), (940, 17378),

Gene: RedBird_16 Start: 14766, Stop: 16475, Start Num: 132

Candidate Starts for RedBird_16:

(Start: 132 @14766 has 199 MA's), (Start: 228 @14898 has 2 MA's), (237, 14922), (277, 15027), (282, 15033), (290, 15051), (301, 15081), (349, 15186), (383, 15246), (398, 15267), (404, 15276), (415, 15300), (481, 15426), (486, 15441), (488, 15447), (501, 15483), (503, 15486), (509, 15498), (510, 15504), (523, 15552), (530, 15564), (531, 15570), (586, 15630), (590, 15642), (606, 15678), (612, 15690), (644, 15765), (647, 15774), (656, 15792), (659, 15798), (671, 15828), (755, 15933), (761, 15942), (764, 15945), (785, 15981), (813, 16059), (844, 16158), (851, 16179), (862, 16212), (877, 16242), (886, 16272), (889, 16281), (891, 16287), (905, 16302), (906, 16305), (916, 16329), (940, 16371), (947, 16401), (959, 16443),

Gene: RedRaider77_50 Start: 27174, Stop: 28886, Start Num: 166

Candidate Starts for RedRaider77_50:

(120, 27111), (Start: 166 @27174 has 28 MA's), (211, 27255), (246, 27312), (276, 27393), (281, 27399), (317, 27456), (323, 27468), (329, 27480), (352, 27519), (363, 27534), (403, 27603), (423, 27657), (426, 27666), (491, 27822), (510, 27870), (512, 27879), (516, 27888), (528, 27927), (535, 27942), (583, 28005), (587, 28017), (629, 28134), (631, 28137), (657, 28188), (673, 28215), (675, 28218), (682, 28239), (698, 28281), (777, 28401), (787, 28419), (847, 28563), (862, 28608), (871, 28626), (904, 28710), (907, 28719), (912, 28737), (925, 28758), (944, 28803), (946, 28809), (950, 28821), (953, 28833), (959, 28854), (965, 28869), (969, 28875),

Gene: RedRock_31 Start: 22100, Stop: 23872, Start Num: 145

Candidate Starts for RedRock_31:

(Start: 128 @22076 has 10 MA's), (Start: 145 @22100 has 749 MA's), (256, 22283), (304, 22337), (347, 22409), (349, 22412), (381, 22466), (385, 22472), (407, 22505), (434, 22583), (436, 22589), (440, 22601), (470, 22670), (501, 22745), (504, 22751), (507, 22754), (520, 22796), (583, 22943), (616, 23024), (617, 23027), (629, 23066), (668, 23132), (675, 23147), (720, 23279), (757, 23327), (791, 23378), (795, 23390), (802, 23405), (804, 23411), (821, 23465), (836, 23519), (865, 23603), (890, 23669), (905, 23708), (907, 23714),

Gene: Redi_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Redi_18:

(Start: 134 @14993 has 40 MA's), (161, 15020), (185, 15059), (Start: 228 @15125 has 2 MA's), (232, 15137), (245, 15173), (254, 15197), (263, 15224), (272, 15245), (277, 15254), (282, 15260), (296, 15293), (379, 15467), (383, 15473), (389, 15482), (395, 15491), (404, 15503), (415, 15527), (427, 15569), (438, 15602), (481, 15653), (482, 15656), (486, 15668), (501, 15710), (509, 15725), (510, 15731), (523, 15779), (554, 15833), (586, 15857), (616, 15929), (636, 15983), (644, 15992), (647, 16001), (659, 16025), (670, 16052), (671, 16055), (755, 16160), (761, 16169), (785, 16208), (814, 16289), (832, 16346), (844, 16385), (886, 16499), (905, 16529), (906, 16532), (916, 16556), (938, 16592),

Gene: Redno2_35 Start: 27084, Stop: 29082, Start Num: 133

Candidate Starts for Redno2_35:

(Start: 133 @27084 has 29 MA's), (Start: 197 @27174 has 47 MA's), (223, 27222), (237, 27252), (291, 27381), (302, 27411), (345, 27510), (365, 27546), (380, 27573), (418, 27645), (421, 27654), (427, 27675), (467, 27744), (488, 27783), (489, 27786), (493, 27801), (510, 27840), (523, 27888), (530, 27900), (531, 27906), (573, 27954), (579, 27963), (587, 27984), (595, 28002), (615, 28050), (656, 28152), (691, 28224), (706, 28269), (709, 28281), (726, 28416), (727, 28422), (728, 28446), (740, 28518), (754, 28545), (852, 28794),

Gene: Refuge_31 Start: 23112, Stop: 24884, Start Num: 145

Candidate Starts for Refuge_31:

(103, 23046), (Start: 128 @23088 has 10 MA's), (Start: 133 @23097 has 29 MA's), (Start: 145 @23112 has 749 MA's), (246, 23265), (303, 23346), (304, 23349), (347, 23421), (349, 23424), (381, 23478), (385, 23484), (434, 23595), (470, 23682), (504, 23763), (507, 23766), (629, 24078), (675, 24159), (680, 24174), (783, 24378), (795, 24402), (802, 24417), (804, 24423), (808, 24441), (810, 24447), (832, 24516), (836, 24531), (847, 24564), (865, 24615), (959, 24861),

Gene: Reindeer_26 Start: 22192, Stop: 23928, Start Num: 150

Candidate Starts for Reindeer_26:

(Start: 150 @22192 has 25 MA's), (Start: 166 @22207 has 28 MA's), (205, 22276), (215, 22294), (245, 22333), (271, 22399), (274, 22414), (303, 22453), (329, 22504), (343, 22525), (372, 22576), (376, 22585), (405, 22630), (418, 22663), (423, 22681), (437, 22723), (438, 22726), (486, 22837), (510, 22903), (552, 23014), (583, 23041), (599, 23083), (609, 23113), (612, 23122), (613, 23125), (616, 23134), (617, 23137), (632, 23182), (669, 23248), (674, 23257), (675, 23260), (691, 23302), (700, 23332), (703, 23338), (729, 23404), (783, 23458), (787, 23464), (824, 23530), (936, 23818), (944, 23845), (950, 23863), (952, 23872), (956, 23884), (965, 23911),

Gene: Relief_27 Start: 19825, Stop: 21603, Start Num: 145

Candidate Starts for Relief_27:

(Start: 128 @19801 has 10 MA's), (Start: 145 @19825 has 749 MA's), (Start: 191 @19882 has 1 MA's), (Start: 220 @19936 has 45 MA's), (233, 19951), (240, 19969), (297, 20053), (303, 20065), (304, 20068), (349, 20143), (361, 20158), (381, 20197), (434, 20314), (470, 20401), (504, 20482), (521, 20530), (528, 20554), (560, 20641), (587, 20686), (617, 20758), (623, 20779), (629, 20797), (675, 20878), (708, 20971), (710, 20980), (717, 21004), (720, 21010), (731, 21034), (779, 21088), (791, 21109), (808, 21160), (815, 21184), (833, 21238), (865, 21334), (905, 21439), (909, 21454), (954, 21562), (959, 21580),

Gene: Rem711_25 Start: 19029, Stop: 20768, Start Num: 143

Candidate Starts for Rem711_25:

(Start: 143 @19029 has 53 MA's), (207, 19101), (257, 19221), (336, 19401), (367, 19464), (400, 19515), (410, 19536), (425, 19581), (488, 19698), (489, 19701), (520, 19785), (521, 19788), (523, 19803), (531, 19821), (710, 20205), (733, 20211), (815, 20364), (855, 20484), (860, 20502), (938,

20655), (960, 20739), (961, 20742), (971, 20760),

Gene: Remus_30 Start: 19057, Stop: 20844, Start Num: 145

Candidate Starts for Remus_30:

(103, 18991), (Start: 128 @19033 has 10 MA's), (Start: 145 @19057 has 749 MA's), (240, 19195), (259, 19252), (304, 19294), (328, 19330), (349, 19369), (391, 19438), (407, 19462), (426, 19516), (488, 19666), (507, 19711), (516, 19741), (527, 19777), (543, 19828), (559, 19864), (587, 19912), (613, 19972), (674, 20101), (701, 20179), (802, 20380), (804, 20386), (833, 20482), (892, 20647), (938, 20746),

Gene: Remy19_18 Start: 16640, Stop: 18403, Start Num: 138

Candidate Starts for Remy19_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Renaissance_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Renaissance_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Reptar3000_24 Start: 18363, Stop: 20150, Start Num: 143

Candidate Starts for Reptar3000_24:

(Start: 121 @18327 has 1 MA's), (Start: 138 @18357 has 25 MA's), (Start: 143 @18363 has 53 MA's), (Start: 145 @18366 has 749 MA's), (222, 18468), (Start: 239 @18507 has 1 MA's), (244, 18522), (251, 18540), (261, 18573), (276, 18603), (298, 18648), (338, 18738), (341, 18744), (357, 18774), (395, 18840), (404, 18852), (456, 18987), (486, 19035), (488, 19041), (508, 19089), (520, 19128), (597, 19278), (613, 19317), (620, 19335), (627, 19362), (660, 19437), (693, 19518), (710, 19572), (754, 19617), (776, 19653), (781, 19662), (808, 19719), (820, 19752), (823, 19761), (841, 19824), (845, 19836), (862, 19887), (865, 19893), (909, 19986), (914, 19995), (960, 20121), (971, 20142),

Gene: ResDef_28 Start: 20455, Stop: 22254, Start Num: 145

Candidate Starts for ResDef_28:

(Start: 145 @20455 has 749 MA's), (Start: 191 @20515 has 1 MA's), (233, 20584), (297, 20686), (303, 20698), (304, 20701), (349, 20776), (361, 20791), (381, 20830), (440, 20965), (470, 21034), (516, 21148), (560, 21274), (616, 21388), (623, 21412), (627, 21424), (629, 21430), (675, 21511), (701, 21586), (708, 21604), (710, 21613), (717, 21637), (720, 21643), (729, 21658), (749, 21691), (777, 21736), (779, 21739), (791, 21760), (833, 21889), (865, 21985), (905, 22090), (907, 22096), (959, 22231),

Gene: Retro23_28 Start: 20266, Stop: 22038, Start Num: 145

Candidate Starts for Retro23_28:

(Start: 128 @20242 has 10 MA's), (Start: 145 @20266 has 749 MA's), (303, 20500), (304, 20503), (347, 20575), (349, 20578), (381, 20632), (407, 20671), (423, 20716), (434, 20749), (470, 20836),

(504, 20917), (507, 20920), (617, 21193), (675, 21313), (717, 21439), (757, 21493), (795, 21556), (802, 21571), (804, 21577), (821, 21631), (832, 21670), (836, 21685), (865, 21769), (907, 21880), (959, 22015),

Gene: RexFury_23 Start: 16380, Stop: 18005, Start Num: 173

Candidate Starts for RexFury_23:

(Start: 162 @16365 has 3 MA's), (Start: 173 @16380 has 32 MA's), (210, 16449), (236, 16485), (261, 16557), (349, 16671), (421, 16800), (434, 16842), (440, 16860), (443, 16869), (450, 16893), (463, 16911), (478, 16935), (481, 16941), (486, 16956), (487, 16959), (507, 17007), (609, 17208), (617, 17232), (674, 17346), (701, 17424), (713, 17463), (717, 17475), (757, 17505), (802, 17583), (860, 17730), (900, 17829), (905, 17844), (965, 17997),

Gene: Rey_32 Start: 23117, Stop: 24883, Start Num: 124

Candidate Starts for Rey_32:

(Start: 115 @23102 has 3 MA's), (Start: 124 @23117 has 2 MA's), (Start: 147 @23144 has 14 MA's), (202, 23222), (205, 23228), (207, 23234), (215, 23246), (274, 23369), (303, 23408), (306, 23417), (315, 23432), (366, 23519), (372, 23531), (376, 23540), (405, 23585), (423, 23636), (437, 23678), (438, 23681), (448, 23714), (470, 23756), (476, 23765), (504, 23843), (510, 23858), (516, 23876), (609, 24068), (612, 24077), (616, 24089), (619, 24095), (661, 24194), (669, 24203), (674, 24212), (686, 24242), (698, 24281), (757, 24374), (783, 24413), (787, 24419), (793, 24428), (934, 24767), (936, 24773), (944, 24800), (959, 24851),

Gene: Reyja_19 Start: 15160, Stop: 16776, Start Num: 184

Candidate Starts for Reyja_19:

(Start: 184 @15160 has 11 MA's), (237, 15259), (245, 15283), (294, 15394), (295, 15397), (301, 15415), (304, 15424), (335, 15490), (342, 15505), (346, 15514), (348, 15520), (390, 15592), (404, 15610), (423, 15664), (426, 15673), (457, 15727), (488, 15763), (489, 15766), (527, 15874), (584, 15946), (586, 15952), (589, 15961), (600, 15979), (632, 16069), (668, 16138), (691, 16183), (695, 16201), (700, 16213), (779, 16279), (802, 16327), (805, 16339), (808, 16351), (814, 16372), (820, 16384), (824, 16399), (834, 16429), (844, 16465), (929, 16654), (951, 16717), (957, 16738), (965, 16762),

Gene: Rhodalysa_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for Rhodalysa_23:

(Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (261, 16526), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (478, 16904), (481, 16910), (486, 16925), (487, 16928), (507, 16976), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: RhynO_28 Start: 19944, Stop: 21722, Start Num: 145

Candidate Starts for RhynO_28:

(Start: 145 @19944 has 749 MA's), (Start: 191 @20001 has 1 MA's), (199, 20016), (216, 20049), (233, 20070), (297, 20172), (303, 20184), (304, 20187), (349, 20262), (361, 20277), (381, 20316), (434, 20433), (440, 20451), (470, 20520), (492, 20574), (501, 20595), (516, 20634), (528, 20673), (560, 20760), (587, 20805), (609, 20853), (616, 20874), (623, 20898), (627, 20910), (629, 20916), (675, 20997), (708, 21090), (710, 21099), (717, 21123), (720, 21129), (729, 21144), (757, 21177), (791, 21228), (798, 21246), (811, 21291), (845, 21396), (865, 21453), (877, 21477), (879, 21483), (905, 21558), (907, 21564), (909, 21573), (938, 21624), (959, 21699),

Gene: Rhynn_27 Start: 21169, Stop: 22971, Start Num: 148

Candidate Starts for Rhynn_27:

(Start: 148 @21169 has 202 MA's), (Start: 166 @21190 has 28 MA's), (Start: 191 @21232 has 1 MA's), (215, 21277), (349, 21493), (376, 21538), (381, 21547), (407, 21586), (425, 21637), (426, 21640), (507, 21835), (528, 21904), (616, 22105), (617, 22108), (623, 22129), (674, 22225), (675, 22228), (677, 22234), (701, 22303), (708, 22321), (710, 22330), (720, 22360), (779, 22456), (795, 22489), (802, 22504), (845, 22645), (865, 22702), (907, 22813),

Gene: Rialto_18 Start: 15316, Stop: 17025, Start Num: 132

Candidate Starts for Rialto_18:

(Start: 132 @15316 has 199 MA's), (198, 15403), (210, 15424), (Start: 228 @15448 has 2 MA's), (237, 15472), (244, 15493), (277, 15577), (282, 15583), (290, 15601), (301, 15631), (349, 15736), (383, 15796), (398, 15817), (404, 15826), (415, 15850), (438, 15925), (439, 15928), (442, 15937), (459, 15952), (467, 15958), (481, 15976), (486, 15991), (488, 15997), (494, 16018), (501, 16033), (509, 16048), (510, 16054), (523, 16102), (530, 16114), (531, 16120), (586, 16180), (590, 16192), (606, 16228), (612, 16240), (644, 16315), (647, 16324), (656, 16342), (659, 16348), (671, 16378), (755, 16483), (764, 16495), (785, 16531), (813, 16609), (851, 16729), (862, 16762), (877, 16792), (880, 16804), (886, 16822), (888, 16828), (889, 16831), (891, 16837), (905, 16852), (906, 16855), (914, 16876), (916, 16879), (940, 16921), (947, 16951), (959, 16993), (960, 16999),

Gene: Ribeye_35 Start: 30796, Stop: 32559, Start Num: 107

Candidate Starts for Ribeye_35:

(Start: 107 @30796 has 72 MA's), (Start: 126 @30832 has 1 MA's), (210, 30961), (216, 30970), (259, 31066), (265, 31075), (319, 31144), (349, 31195), (376, 31240), (385, 31255), (397, 31273), (425, 31336), (440, 31381), (443, 31390), (495, 31510), (503, 31525), (510, 31549), (520, 31579), (629, 31801), (644, 31819), (649, 31834), (674, 31876), (686, 31906), (732, 32026), (798, 32119), (845, 32230), (846, 32233), (862, 32281), (875, 32308), (884, 32335), (905, 32389),

Gene: RidgeCB_27 Start: 20944, Stop: 22746, Start Num: 148

Candidate Starts for RidgeCB_27:

(Start: 148 @20944 has 202 MA's), (Start: 166 @20965 has 28 MA's), (Start: 191 @21007 has 1 MA's), (215, 21052), (349, 21268), (376, 21313), (381, 21322), (407, 21361), (425, 21412), (426, 21415), (507, 21610), (528, 21679), (616, 21880), (617, 21883), (623, 21904), (674, 22000), (675, 22003), (677, 22009), (701, 22078), (708, 22096), (710, 22105), (720, 22135), (779, 22231), (795, 22264), (802, 22279), (845, 22420), (865, 22477), (907, 22588), (966, 22741),

Gene: Rifter_31 Start: 19962, Stop: 21734, Start Num: 145

Candidate Starts for Rifter_31:

(103, 19896), (Start: 128 @19938 has 10 MA's), (Start: 145 @19962 has 749 MA's), (304, 20199), (347, 20271), (349, 20274), (361, 20289), (381, 20328), (385, 20334), (434, 20445), (436, 20451), (448, 20490), (470, 20532), (488, 20571), (504, 20613), (507, 20616), (560, 20772), (624, 20913), (629, 20928), (720, 21141), (791, 21240), (802, 21267), (817, 21318), (821, 21327), (832, 21366), (836, 21381), (905, 21570), (907, 21576), (959, 21711),

Gene: Rimmer_23 Start: 19312, Stop: 20991, Start Num: 137

Candidate Starts for Rimmer_23:

(Start: 137 @19312 has 84 MA's), (Start: 197 @19396 has 47 MA's), (Start: 239 @19474 has 1 MA's), (272, 19561), (282, 19576), (301, 19624), (315, 19663), (363, 19750), (380, 19783), (404, 19819), (417, 19849), (418, 19855), (441, 19924), (483, 19954), (487, 19966), (488, 19969), (510, 20026), (587, 20158), (589, 20164), (617, 20230), (620, 20236), (626, 20260), (647, 20308), (659, 20332), (665, 20341), (695, 20416), (761, 20467), (772, 20482), (833, 20644), (841, 20671), (851, 20701), (890, 20806), (938, 20884), (947, 20920), (950, 20929), (959, 20962), (965, 20977),

Gene: Ringer_27 Start: 21821, Stop: 23623, Start Num: 148

Candidate Starts for Ringer_27:

(Start: 148 @21821 has 202 MA's), (Start: 166 @21842 has 28 MA's), (Start: 191 @21884 has 1 MA's), (215, 21929), (349, 22145), (376, 22190), (381, 22199), (407, 22238), (425, 22289), (426, 22292), (507, 22487), (528, 22556), (616, 22757), (617, 22760), (623, 22781), (674, 22877), (675, 22880), (677, 22886), (701, 22955), (708, 22973), (710, 22982), (720, 23012), (779, 23108), (795, 23141), (802, 23156), (845, 23297), (865, 23354), (907, 23465), (966, 23618),

Gene: Rita_16 Start: 14819, Stop: 16528, Start Num: 132

Candidate Starts for Rita_16:

(Start: 132 @14819 has 199 MA's), (198, 14906), (Start: 228 @14951 has 2 MA's), (237, 14975), (277, 15080), (282, 15086), (290, 15104), (294, 15113), (301, 15134), (349, 15239), (383, 15299), (398, 15320), (404, 15329), (415, 15353), (481, 15479), (486, 15494), (488, 15500), (501, 15536), (503, 15539), (509, 15551), (510, 15557), (523, 15605), (530, 15617), (531, 15623), (586, 15683), (590, 15695), (606, 15731), (612, 15743), (644, 15818), (647, 15827), (656, 15845), (659, 15851), (671, 15881), (755, 15986), (761, 15995), (764, 15998), (785, 16034), (813, 16112), (844, 16211), (851, 16232), (862, 16265), (877, 16295), (886, 16325), (889, 16334), (891, 16340), (905, 16355), (906, 16358), (916, 16382), (935, 16412), (940, 16424), (947, 16454), (959, 16496),

Gene: RitaG_16 Start: 14948, Stop: 16657, Start Num: 132

Candidate Starts for RitaG_16:

(Start: 132 @14948 has 199 MA's), (198, 15035), (Start: 228 @15080 has 2 MA's), (237, 15104), (277, 15209), (282, 15215), (290, 15233), (301, 15263), (349, 15368), (379, 15422), (383, 15428), (398, 15449), (404, 15458), (415, 15482), (481, 15608), (486, 15623), (488, 15629), (501, 15665), (503, 15668), (509, 15680), (510, 15686), (523, 15734), (530, 15746), (531, 15752), (586, 15812), (590, 15824), (606, 15860), (612, 15872), (644, 15947), (647, 15956), (656, 15974), (659, 15980), (671, 16010), (755, 16115), (764, 16127), (785, 16163), (813, 16241), (851, 16361), (862, 16394), (877, 16424), (880, 16436), (886, 16454), (889, 16463), (891, 16469), (905, 16484), (906, 16487), (916, 16511), (940, 16553), (947, 16583), (959, 16625),

Gene: RiverMonster_24 Start: 19585, Stop: 21180, Start Num: 197

Candidate Starts for RiverMonster_24:

(Start: 137 @19501 has 84 MA's), (Start: 197 @19585 has 47 MA's), (Start: 239 @19663 has 1 MA's), (272, 19750), (282, 19765), (301, 19813), (315, 19852), (363, 19939), (380, 19972), (404, 20008), (417, 20038), (418, 20044), (441, 20113), (483, 20143), (487, 20155), (488, 20158), (510, 20215), (587, 20347), (589, 20353), (617, 20419), (620, 20425), (626, 20449), (647, 20497), (659, 20521), (665, 20530), (695, 20605), (761, 20656), (772, 20671), (833, 20833), (841, 20860), (851, 20890), (890, 20995), (938, 21073), (947, 21109), (950, 21118), (959, 21151), (965, 21166),

Gene: RiverRaider_36 Start: 29083, Stop: 30846, Start Num: 107

Candidate Starts for RiverRaider_36:

(100, 29065), (Start: 107 @29083 has 72 MA's), (Start: 126 @29119 has 1 MA's), (210, 29248), (216, 29257), (259, 29353), (265, 29362), (319, 29431), (323, 29437), (349, 29482), (356, 29491), (376, 29527), (425, 29623), (440, 29668), (443, 29677), (495, 29797), (503, 29812), (506, 29821), (510, 29836), (520, 29866), (606, 30022), (644, 30106), (649, 30121), (668, 30151), (669, 30154), (675, 30166), (785, 30379), (798, 30406), (845, 30517), (846, 30520), (875, 30595), (884, 30622), (905, 30676), (959, 30823),

Gene: RoadKill_30 Start: 27051, Stop: 28670, Start Num: 192

Candidate Starts for RoadKill_30:

(Start: 192 @27051 has 10 MA's), (205, 27072), (237, 27135), (289, 27258), (294, 27270), (310, 27327), (354, 27405), (369, 27432), (420, 27528), (489, 27642), (500, 27672), (518, 27720), (537, 27777), (586, 27825), (589, 27834), (612, 27885), (628, 27933), (700, 28098), (755, 28128), (808, 28236), (809, 28239), (824, 28284), (839, 28341), (841, 28347), (843, 28353), (859, 28401), (862, 28410), (865, 28416), (867, 28419), (886, 28470), (909, 28515), (941, 28584), (956, 28632), (959,

28644),

Gene: Roary_24 Start: 18619, Stop: 20409, Start Num: 145

Candidate Starts for Roary_24:

(Start: 128 @18595 has 10 MA's), (Start: 145 @18619 has 749 MA's), (213, 18712), (240, 18757), (304, 18856), (328, 18892), (349, 18931), (361, 18946), (379, 18982), (434, 19102), (436, 19108), (488, 19228), (535, 19357), (560, 19429), (616, 19543), (708, 19759), (717, 19792), (779, 19894), (795, 19927), (802, 19942), (810, 19972), (904, 20242), (907, 20251), (909, 20260), (956, 20374),

Gene: Rockne_16 Start: 14790, Stop: 16499, Start Num: 132

Candidate Starts for Rockne_16:

(Start: 132 @14790 has 199 MA's), (198, 14877), (Start: 228 @14922 has 2 MA's), (237, 14946), (256, 15003), (277, 15051), (282, 15057), (290, 15075), (301, 15105), (326, 15159), (349, 15210), (379, 15264), (383, 15270), (389, 15279), (404, 15300), (415, 15324), (425, 15360), (427, 15366), (438, 15399), (439, 15402), (442, 15411), (459, 15426), (467, 15432), (481, 15450), (486, 15465), (488, 15471), (493, 15489), (494, 15492), (501, 15507), (509, 15522), (510, 15528), (523, 15576), (530, 15588), (531, 15594), (586, 15654), (590, 15666), (606, 15702), (612, 15714), (644, 15789), (647, 15798), (656, 15816), (659, 15822), (671, 15852), (755, 15957), (764, 15969), (785, 16005), (813, 16083), (851, 16203), (862, 16236), (877, 16266), (880, 16278), (886, 16296), (888, 16302), (889, 16305), (891, 16311), (905, 16326), (906, 16329), (914, 16350), (916, 16353), (940, 16395), (947, 16425), (959, 16467), (960, 16473),

Gene: Rockstar_27 Start: 19834, Stop: 21633, Start Num: 145

Candidate Starts for Rockstar_27:

(Start: 145 @19834 has 749 MA's), (Start: 191 @19894 has 1 MA's), (233, 19963), (297, 20065), (303, 20077), (304, 20080), (349, 20155), (361, 20170), (363, 20173), (381, 20209), (440, 20344), (470, 20413), (516, 20527), (560, 20653), (616, 20767), (617, 20770), (623, 20791), (629, 20809), (675, 20890), (701, 20965), (708, 20983), (710, 20992), (720, 21022), (729, 21037), (739, 21061), (749, 21070), (777, 21115), (779, 21118), (791, 21139), (795, 21151), (865, 21364), (877, 21388), (905, 21469), (907, 21475), (959, 21610),

Gene: RockyHorror_17 Start: 14667, Stop: 16376, Start Num: 132

Candidate Starts for RockyHorror_17:

(Start: 132 @14667 has 199 MA's), (198, 14754), (237, 14823), (244, 14844), (256, 14880), (277, 14928), (282, 14934), (290, 14952), (301, 14982), (349, 15087), (383, 15147), (389, 15156), (398, 15168), (404, 15177), (415, 15201), (438, 15276), (459, 15303), (467, 15309), (481, 15327), (486, 15342), (488, 15348), (501, 15384), (503, 15387), (509, 15399), (510, 15405), (523, 15453), (530, 15465), (531, 15471), (586, 15531), (590, 15543), (606, 15579), (612, 15591), (644, 15666), (647, 15675), (656, 15693), (659, 15699), (671, 15729), (755, 15834), (761, 15843), (764, 15846), (785, 15882), (813, 15960), (844, 16059), (851, 16080), (862, 16113), (877, 16143), (886, 16173), (889, 16182), (891, 16188), (905, 16203), (906, 16206), (916, 16230), (935, 16260), (940, 16272), (947, 16302), (959, 16344),

Gene: Rofo_35 Start: 30807, Stop: 32570, Start Num: 107

Candidate Starts for Rofo_35:

(100, 30789), (Start: 107 @30807 has 72 MA's), (Start: 126 @30843 has 1 MA's), (216, 30981), (259, 31077), (265, 31086), (319, 31155), (349, 31206), (376, 31251), (385, 31266), (425, 31347), (440, 31392), (443, 31401), (487, 31491), (495, 31521), (503, 31536), (510, 31560), (520, 31590), (586, 31695), (629, 31812), (644, 31830), (649, 31845), (668, 31875), (674, 31887), (675, 31890), (686, 31917), (845, 32241), (846, 32244), (862, 32292), (875, 32319), (884, 32346), (905, 32400), (912, 32424), (913, 32427), (951, 32517), (966, 32565),

Gene: RogerDodger_34 Start: 26723, Stop: 28489, Start Num: 107

Candidate Starts for RogerDodger_34:

(90, 26681), (Start: 107 @26723 has 72 MA's), (Start: 126 @26759 has 1 MA's), (Start: 150 @26792 has 25 MA's), (244, 26948), (263, 27002), (265, 27005), (303, 27035), (333, 27101), (349, 27125), (375, 27167), (443, 27320), (463, 27359), (487, 27410), (491, 27422), (495, 27440), (501, 27452), (506, 27464), (510, 27479), (520, 27509), (521, 27512), (527, 27533), (583, 27605), (602, 27653), (649, 27764), (669, 27797), (686, 27836), (687, 27839), (710, 27911), (753, 27977), (759, 27989), (845, 28160), (846, 28163), (862, 28211), (875, 28238), (884, 28265), (905, 28319), (951, 28436), (957, 28457), (966, 28484),

Gene: Rohr_28 Start: 21366, Stop: 23168, Start Num: 148

Candidate Starts for Rohr_28:

(Start: 148 @21366 has 202 MA's), (Start: 166 @21387 has 28 MA's), (Start: 191 @21429 has 1 MA's), (215, 21474), (349, 21690), (376, 21735), (381, 21744), (407, 21783), (425, 21834), (426, 21837), (507, 22032), (528, 22101), (616, 22302), (617, 22305), (623, 22326), (674, 22422), (675, 22425), (677, 22431), (701, 22500), (708, 22518), (710, 22527), (720, 22557), (779, 22653), (795, 22686), (802, 22701), (845, 22842), (865, 22899), (907, 23010),

Gene: Roksolana_31 Start: 19990, Stop: 21762, Start Num: 145

Candidate Starts for Roksolana_31:

(103, 19924), (Start: 128 @19966 has 10 MA's), (Start: 145 @19990 has 749 MA's), (304, 20227), (347, 20299), (349, 20302), (361, 20317), (381, 20356), (385, 20362), (434, 20473), (436, 20479), (448, 20518), (470, 20560), (488, 20599), (504, 20641), (507, 20644), (560, 20800), (624, 20941), (629, 20956), (720, 21169), (791, 21268), (802, 21295), (817, 21346), (821, 21355), (832, 21394), (836, 21409), (865, 21493), (905, 21598), (907, 21604), (959, 21739),

Gene: Romney_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Romney_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: RonRayGun_19 Start: 16980, Stop: 18686, Start Num: 166

Candidate Starts for RonRayGun_19:

(95, 16872), (101, 16884), (Start: 166 @16980 has 28 MA's), (205, 17046), (252, 17121), (254, 17127), (297, 17211), (326, 17265), (350, 17310), (352, 17313), (391, 17379), (510, 17664), (616, 17886), (698, 18075), (787, 18213), (794, 18225), (862, 18402), (879, 18438), (944, 18603), (952, 18630), (965, 18669), (969, 18675),

Gene: Ronaldo_56 Start: 28894, Stop: 30579, Start Num: 137

Candidate Starts for Ronaldo_56:

(68, 28702), (69, 28711), (73, 28717), (97, 28819), (Start: 110 @28849 has 1 MA's), (Start: 137 @28894 has 84 MA's), (236, 29035), (328, 29194), (360, 29248), (434, 29404), (480, 29503), (495, 29551), (516, 29608), (521, 29623), (582, 29713), (634, 29851), (674, 29914), (708, 30010), (749, 30061), (751, 30064), (756, 30076), (802, 30151), (806, 30166), (844, 30250), (875, 30331), (915, 30442), (957, 30547), (961, 30565),

Gene: Roosevelt_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Roosevelt_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Rosalind_30 Start: 19215, Stop: 21002, Start Num: 145

Candidate Starts for Rosalind_30:

(103, 19149), (Start: 128 @19191 has 10 MA's), (Start: 145 @19215 has 749 MA's), (240, 19353), (259, 19410), (304, 19452), (328, 19488), (349, 19527), (391, 19596), (407, 19620), (426, 19674), (488, 19824), (507, 19869), (516, 19899), (527, 19935), (543, 19986), (559, 20022), (587, 20070), (613, 20130), (674, 20259), (701, 20337), (802, 20538), (804, 20544), (833, 20640), (892, 20805), (938, 20904),

Gene: Rose5_18 Start: 16746, Stop: 18515, Start Num: 130

Candidate Starts for Rose5_18:

(Start: 98 @16683 has 1 MA's), (106, 16704), (Start: 114 @16719 has 2 MA's), (Start: 130 @16746 has 38 MA's), (194, 16839), (Start: 220 @16887 has 45 MA's), (225, 16893), (245, 16920), (246, 16923), (248, 16929), (274, 17001), (281, 17010), (301, 17034), (306, 17049), (323, 17079), (397, 17205), (403, 17214), (413, 17235), (418, 17250), (440, 17319), (451, 17355), (467, 17376), (494, 17445), (510, 17484), (583, 17622), (587, 17634), (616, 17709), (619, 17715), (623, 17733), (638, 17772), (657, 17805), (661, 17814), (669, 17823), (674, 17832), (675, 17835), (716, 17955), (732, 17991), (787, 18039), (794, 18051), (824, 18105), (854, 18201), (859, 18219), (861, 18225), (862, 18228), (879, 18261), (886, 18285), (912, 18348), (932, 18390), (944, 18429), (950, 18447), (956, 18468), (961, 18489),

Gene: Rosmarinus_23 Start: 17176, Stop: 18942, Start Num: 145

Candidate Starts for Rosmarinus_23:

(Start: 145 @17176 has 749 MA's), (Start: 170 @17206 has 1 MA's), (251, 17365), (261, 17398), (276, 17428), (291, 17461), (298, 17473), (338, 17563), (361, 17605), (404, 17677), (409, 17686), (422, 17725), (436, 17770), (443, 17791), (444, 17794), (482, 17848), (488, 17866), (504, 17908), (508, 17914), (516, 17941), (586, 18079), (593, 18097), (612, 18139), (619, 18157), (628, 18187), (647, 18214), (693, 18319), (797, 18478), (809, 18514), (820, 18544), (823, 18553), (845, 18628), (862, 18679), (950, 18874), (960, 18913), (961, 18916), (971, 18934),

Gene: Royals2015_16 Start: 14826, Stop: 16535, Start Num: 132

Candidate Starts for Royals2015_16:

(Start: 132 @14826 has 199 MA's), (198, 14913), (Start: 228 @14958 has 2 MA's), (237, 14982), (277, 15087), (282, 15093), (290, 15111), (301, 15141), (349, 15246), (383, 15306), (398, 15327), (404, 15336), (415, 15360), (481, 15486), (486, 15501), (488, 15507), (501, 15543), (503, 15546), (509, 15558), (510, 15564), (523, 15612), (530, 15624), (531, 15630), (586, 15690), (590, 15702), (606, 15738), (612, 15750), (644, 15825), (647, 15834), (656, 15852), (659, 15858), (671, 15888), (755, 15993), (761, 16002), (764, 16005), (785, 16041), (813, 16119), (844, 16218), (851, 16239), (862, 16272), (877, 16302), (886, 16332), (889, 16341), (891, 16347), (905, 16362), (906, 16365), (916, 16389), (935, 16419), (940, 16431), (947, 16461), (959, 16503),

Gene: Rubeelu_18 Start: 14956, Stop: 16665, Start Num: 134

Candidate Starts for Rubeelu_18:

(Start: 134 @14956 has 40 MA's), (161, 14983), (Start: 228 @15088 has 2 MA's), (232, 15100), (245, 15136), (263, 15187), (272, 15208), (277, 15217), (282, 15223), (291, 15244), (296, 15256), (379, 15430), (383, 15436), (395, 15454), (404, 15466), (406, 15469), (415, 15490), (438, 15565), (459,

15592), (481, 15616), (482, 15619), (486, 15631), (501, 15673), (509, 15688), (510, 15694), (512, 15703), (523, 15742), (554, 15796), (586, 15820), (612, 15880), (636, 15946), (644, 15955), (647, 15964), (670, 16015), (671, 16018), (755, 16123), (785, 16171), (810, 16237), (832, 16309), (886, 16462), (889, 16471), (905, 16492), (909, 16507), (916, 16519), (938, 16555), (940, 16561),

Gene: Rubeus_28 Start: 21204, Stop: 23006, Start Num: 148

Candidate Starts for Rubeus_28:

(Start: 148 @21204 has 202 MA's), (Start: 166 @21225 has 28 MA's), (Start: 191 @21267 has 1 MA's), (215, 21312), (349, 21528), (376, 21573), (381, 21582), (425, 21672), (426, 21675), (507, 21870), (528, 21939), (616, 22140), (617, 22143), (623, 22164), (674, 22260), (675, 22263), (677, 22269), (701, 22338), (708, 22356), (710, 22365), (720, 22395), (779, 22491), (795, 22524), (802, 22539), (845, 22680), (865, 22737), (907, 22848), (966, 23001),

Gene: Ruby_16 Start: 14774, Stop: 16483, Start Num: 132

Candidate Starts for Ruby_16:

(Start: 132 @14774 has 199 MA's), (198, 14861), (Start: 228 @14906 has 2 MA's), (237, 14930), (277, 15035), (282, 15041), (290, 15059), (301, 15089), (349, 15194), (379, 15248), (383, 15254), (389, 15263), (398, 15275), (404, 15284), (415, 15308), (425, 15344), (427, 15350), (431, 15362), (438, 15383), (439, 15386), (442, 15395), (459, 15410), (467, 15416), (481, 15434), (486, 15449), (488, 15455), (493, 15473), (494, 15476), (501, 15491), (509, 15506), (510, 15512), (520, 15542), (523, 15560), (530, 15572), (531, 15578), (586, 15638), (590, 15650), (606, 15686), (612, 15698), (620, 15719), (644, 15773), (647, 15782), (659, 15806), (671, 15836), (755, 15941), (764, 15953), (785, 15989), (803, 16028), (813, 16067), (844, 16166), (851, 16187), (862, 16220), (877, 16250), (886, 16280), (889, 16289), (891, 16295), (905, 16310), (906, 16313), (914, 16334), (916, 16337), (940, 16379), (947, 16409), (959, 16451), (960, 16457),

Gene: Rufus_28 Start: 21506, Stop: 23308, Start Num: 148

Candidate Starts for Rufus_28:

(Start: 148 @21506 has 202 MA's), (Start: 166 @21527 has 28 MA's), (Start: 191 @21569 has 1 MA's), (215, 21614), (349, 21830), (376, 21875), (381, 21884), (425, 21974), (426, 21977), (463, 22070), (507, 22172), (528, 22241), (612, 22430), (616, 22442), (617, 22445), (623, 22466), (674, 22562), (675, 22565), (677, 22571), (701, 22640), (708, 22658), (710, 22667), (720, 22697), (779, 22793), (795, 22826), (802, 22841), (845, 22982), (865, 23039), (907, 23150),

Gene: Ruin_27 Start: 19823, Stop: 21601, Start Num: 145

Candidate Starts for Ruin_27:

(Start: 128 @19799 has 10 MA's), (Start: 145 @19823 has 749 MA's), (Start: 191 @19880 has 1 MA's), (Start: 220 @19934 has 45 MA's), (233, 19949), (240, 19967), (297, 20051), (303, 20063), (304, 20066), (349, 20141), (361, 20156), (381, 20195), (434, 20312), (470, 20399), (504, 20480), (521, 20528), (528, 20552), (560, 20639), (587, 20684), (617, 20756), (623, 20777), (629, 20795), (675, 20876), (708, 20969), (710, 20978), (717, 21002), (720, 21008), (731, 21032), (779, 21086), (791, 21107), (808, 21158), (815, 21182), (833, 21236), (865, 21332), (905, 21437), (909, 21452), (954, 21560), (959, 21578),

Gene: Rummer_29 Start: 20463, Stop: 22259, Start Num: 145

Candidate Starts for Rummer_29:

(Start: 145 @20463 has 749 MA's), (Start: 191 @20520 has 1 MA's), (199, 20535), (216, 20568), (233, 20589), (Start: 239 @20604 has 1 MA's), (297, 20691), (303, 20703), (304, 20706), (349, 20781), (361, 20796), (379, 20832), (470, 21039), (516, 21153), (528, 21192), (560, 21279), (616, 21393), (623, 21417), (629, 21435), (675, 21516), (701, 21591), (708, 21609), (717, 21642), (720, 21648), (739, 21687), (777, 21741), (779, 21744), (791, 21765), (810, 21822), (865, 21990), (905, 22095), (907, 22101), (959, 22236),

Gene: Rumpelstiltskin_18 Start: 16995, Stop: 18728, Start Num: 165

Candidate Starts for Rumpelstiltskin_18:

(Start: 165 @16995 has 28 MA's), (205, 17064), (274, 17205), (276, 17208), (306, 17253), (326, 17286), (329, 17295), (350, 17331), (379, 17385), (397, 17412), (405, 17424), (423, 17475), (425, 17481), (436, 17514), (500, 17667), (510, 17691), (512, 17700), (527, 17745), (533, 17760), (583, 17838), (626, 17958), (657, 18021), (691, 18093), (703, 18129), (783, 18249), (787, 18255), (794, 18267), (826, 18330), (841, 18381), (854, 18417), (862, 18444), (890, 18513), (897, 18528), (905, 18540), (912, 18564), (944, 18642),

Gene: Ruotula_26 Start: 21710, Stop: 23512, Start Num: 148

Candidate Starts for Ruotula_26:

(Start: 148 @21710 has 202 MA's), (Start: 166 @21731 has 28 MA's), (Start: 191 @21773 has 1 MA's), (215, 21818), (349, 22034), (376, 22079), (381, 22088), (407, 22127), (425, 22178), (426, 22181), (507, 22376), (528, 22445), (616, 22646), (617, 22649), (623, 22670), (674, 22766), (675, 22769), (677, 22775), (701, 22844), (708, 22862), (710, 22871), (720, 22901), (779, 22997), (795, 23030), (802, 23045), (845, 23186), (865, 23243), (907, 23354),

Gene: Rutherferd_29 Start: 21775, Stop: 23577, Start Num: 148

Candidate Starts for Rutherferd_29:

(Start: 148 @21775 has 202 MA's), (Start: 166 @21796 has 28 MA's), (Start: 191 @21838 has 1 MA's), (215, 21883), (349, 22099), (376, 22144), (381, 22153), (425, 22243), (426, 22246), (463, 22339), (507, 22441), (528, 22510), (616, 22711), (617, 22714), (623, 22735), (674, 22831), (675, 22834), (677, 22840), (708, 22927), (710, 22936), (720, 22966), (779, 23062), (795, 23095), (802, 23110), (845, 23251), (865, 23308), (907, 23419),

Gene: Ruthiejr_23 Start: 18254, Stop: 20041, Start Num: 145

Candidate Starts for Ruthiejr_23:

(Start: 121 @18215 has 1 MA's), (Start: 138 @18245 has 25 MA's), (Start: 143 @18251 has 53 MA's), (Start: 145 @18254 has 749 MA's), (Start: 168 @18269 has 2 MA's), (Start: 193 @18311 has 1 MA's), (222, 18359), (Start: 239 @18398 has 1 MA's), (244, 18413), (251, 18431), (261, 18464), (276, 18494), (298, 18539), (304, 18557), (338, 18629), (341, 18635), (357, 18665), (359, 18668), (395, 18731), (404, 18743), (456, 18878), (464, 18896), (486, 18926), (488, 18932), (493, 18950), (508, 18980), (520, 19019), (586, 19145), (613, 19208), (693, 19409), (710, 19463), (754, 19508), (781, 19553), (797, 19577), (808, 19610), (820, 19643), (841, 19715), (845, 19727), (862, 19778), (865, 19784), (914, 19886), (960, 20012), (971, 20033),

Gene: Ruthy_19 Start: 16329, Stop: 18023, Start Num: 197

Candidate Starts for Ruthy_19:

(99, 16179), (171, 16293), (Start: 187 @16317 has 15 MA's), (Start: 197 @16329 has 47 MA's), (226, 16377), (275, 16506), (279, 16512), (305, 16578), (400, 16758), (404, 16764), (489, 16944), (491, 16950), (521, 17031), (585, 17145), (628, 17259), (647, 17292), (665, 17322), (666, 17325), (690, 17388), (691, 17391), (701, 17424), (808, 17592), (810, 17598), (842, 17697), (895, 17841), (971, 18015),

Gene: Ryadel_60 Start: 34285, Stop: 36021, Start Num: 118

Candidate Starts for Ryadel_60:

(Start: 113 @34276 has 2 MA's), (Start: 118 @34285 has 26 MA's), (180, 34375), (244, 34492), (256, 34528), (265, 34549), (277, 34576), (282, 34582), (295, 34612), (303, 34636), (328, 34687), (404, 34825), (408, 34831), (424, 34882), (425, 34885), (431, 34903), (481, 34954), (488, 34975), (489, 34978), (509, 35026), (510, 35032), (523, 35080), (527, 35086), (530, 35092), (575, 35152), (586, 35176), (587, 35179), (606, 35224), (613, 35239), (616, 35248), (620, 35257), (636, 35302), (647, 35320), (665, 35353), (764, 35491), (777, 35512), (806, 35578), (814, 35608), (830, 35662), (844, 35704), (851, 35725), (858, 35746), (862, 35758), (872, 35779), (891, 35833), (938, 35911), (947,

35947), (953, 35968), (960, 35995),

Gene: SG4_16 Start: 14957, Stop: 16666, Start Num: 132

Candidate Starts for SG4_16:

(Start: 132 @14957 has 199 MA's), (198, 15044), (Start: 228 @15089 has 2 MA's), (237, 15113), (277, 15218), (282, 15224), (290, 15242), (301, 15272), (349, 15377), (383, 15437), (398, 15458), (404, 15467), (415, 15491), (481, 15617), (486, 15632), (488, 15638), (501, 15674), (503, 15677), (509, 15689), (510, 15695), (523, 15743), (530, 15755), (531, 15761), (586, 15821), (590, 15833), (606, 15869), (612, 15881), (644, 15956), (647, 15965), (656, 15983), (659, 15989), (671, 16019), (755, 16124), (761, 16133), (764, 16136), (785, 16172), (813, 16250), (844, 16349), (851, 16370), (862, 16403), (877, 16433), (886, 16463), (889, 16472), (891, 16478), (905, 16493), (906, 16496), (916, 16520), (935, 16550), (940, 16562), (947, 16592), (959, 16634),

Gene: STLscum_28 Start: 21913, Stop: 23715, Start Num: 148

Candidate Starts for STLscum_28:

(Start: 148 @21913 has 202 MA's), (Start: 166 @21934 has 28 MA's), (Start: 191 @21976 has 1 MA's), (215, 22021), (349, 22237), (376, 22282), (381, 22291), (425, 22381), (426, 22384), (463, 22477), (507, 22579), (528, 22648), (612, 22837), (616, 22849), (617, 22852), (623, 22873), (674, 22969), (675, 22972), (677, 22978), (701, 23047), (708, 23065), (710, 23074), (720, 23104), (779, 23200), (795, 23233), (802, 23248), (845, 23389), (865, 23446), (907, 23557),

Gene: Saal_16 Start: 14790, Stop: 16499, Start Num: 132

Candidate Starts for Saal_16:

(Start: 132 @14790 has 199 MA's), (198, 14877), (Start: 228 @14922 has 2 MA's), (237, 14946), (256, 15003), (277, 15051), (282, 15057), (290, 15075), (301, 15105), (349, 15210), (379, 15264), (383, 15270), (389, 15279), (404, 15300), (415, 15324), (425, 15360), (427, 15366), (438, 15399), (439, 15402), (442, 15411), (459, 15426), (467, 15432), (481, 15450), (486, 15465), (488, 15471), (493, 15489), (494, 15492), (501, 15507), (509, 15522), (510, 15528), (523, 15576), (530, 15588), (531, 15594), (586, 15654), (590, 15666), (606, 15702), (612, 15714), (644, 15789), (647, 15798), (656, 15816), (659, 15822), (671, 15852), (755, 15957), (764, 15969), (785, 16005), (813, 16083), (851, 16203), (862, 16236), (877, 16266), (880, 16278), (886, 16296), (888, 16302), (889, 16305), (891, 16311), (905, 16326), (906, 16329), (914, 16350), (916, 16353), (940, 16395), (947, 16425), (959, 16467), (960, 16473),

Gene: Sabertooth_27 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for Sabertooth_27:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (833, 21237), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: Sabia_29 Start: 20372, Stop: 22168, Start Num: 145

Candidate Starts for Sabia_29:

(Start: 145 @20372 has 749 MA's), (Start: 191 @20429 has 1 MA's), (199, 20444), (233, 20498), (Start: 239 @20513 has 1 MA's), (297, 20600), (303, 20612), (304, 20615), (349, 20690), (361, 20705), (379, 20741), (470, 20948), (528, 21101), (560, 21188), (616, 21302), (623, 21326), (629, 21344), (675, 21425), (701, 21500), (708, 21518), (717, 21551), (720, 21557), (739, 21596), (777, 21650), (779, 21653), (791, 21674), (810, 21731), (865, 21899), (905, 22004), (907, 22010), (959, 22145),

Gene: Sabinator_29 Start: 20377, Stop: 22173, Start Num: 145

Candidate Starts for Sabinator_29:

(Start: 145 @20377 has 749 MA's), (Start: 191 @20434 has 1 MA's), (199, 20449), (216, 20482), (233, 20503), (Start: 239 @20518 has 1 MA's), (297, 20605), (303, 20617), (304, 20620), (349, 20695), (361, 20710), (379, 20746), (470, 20953), (516, 21067), (528, 21106), (560, 21193), (616, 21307), (623, 21331), (629, 21349), (675, 21430), (701, 21505), (708, 21523), (717, 21556), (720, 21562), (739, 21601), (777, 21655), (779, 21658), (791, 21679), (810, 21736), (865, 21904), (905, 22009), (907, 22015), (959, 22150),

Gene: Sagefire_28 Start: 21946, Stop: 23748, Start Num: 148

Candidate Starts for Sagefire_28:

(Start: 148 @21946 has 202 MA's), (Start: 166 @21967 has 28 MA's), (Start: 191 @22009 has 1 MA's), (215, 22054), (349, 22270), (376, 22315), (381, 22324), (407, 22363), (425, 22414), (426, 22417), (507, 22612), (528, 22681), (616, 22882), (617, 22885), (623, 22906), (674, 23002), (675, 23005), (677, 23011), (701, 23080), (708, 23098), (710, 23107), (720, 23137), (779, 23233), (795, 23266), (802, 23281), (845, 23422), (865, 23479), (907, 23590),

Gene: Sahara_17 Start: 14784, Stop: 16493, Start Num: 269

Candidate Starts for Sahara_17:

(Start: 269 @14784 has 31 MA's), (324, 14901), (359, 14973), (361, 14976), (405, 15051), (424, 15090), (429, 15105), (443, 15147), (452, 15174), (489, 15264), (490, 15267), (532, 15399), (547, 15453), (581, 15534), (605, 15594), (608, 15600), (688, 15759), (694, 15777), (707, 15816), (731, 15888), (732, 15891), (745, 15912), (841, 16146), (846, 16161), (860, 16203), (889, 16284), (893, 16296), (894, 16299), (918, 16347), (932, 16377),

Gene: Saints25_25 Start: 19407, Stop: 21086, Start Num: 137

Candidate Starts for Saints25_25:

(Start: 137 @19407 has 84 MA's), (Start: 197 @19491 has 47 MA's), (Start: 239 @19569 has 1 MA's), (272, 19656), (282, 19671), (301, 19719), (315, 19758), (363, 19845), (380, 19878), (404, 19914), (417, 19944), (418, 19950), (441, 20019), (483, 20049), (487, 20061), (488, 20064), (510, 20121), (587, 20253), (589, 20259), (617, 20325), (620, 20331), (626, 20355), (647, 20403), (659, 20427), (665, 20436), (695, 20511), (761, 20562), (772, 20577), (833, 20739), (841, 20766), (851, 20796), (890, 20901), (938, 20979), (947, 21015), (950, 21024), (959, 21057), (965, 21072),

Gene: Saintus_24 Start: 18634, Stop: 20424, Start Num: 145

Candidate Starts for Saintus_24:

(Start: 128 @18610 has 10 MA's), (Start: 145 @18634 has 749 MA's), (213, 18727), (240, 18772), (304, 18871), (328, 18907), (349, 18946), (361, 18961), (379, 18997), (434, 19117), (436, 19123), (488, 19243), (535, 19372), (560, 19444), (616, 19558), (708, 19774), (717, 19807), (779, 19909), (795, 19942), (802, 19957), (810, 19987), (904, 20257), (907, 20266), (909, 20275), (956, 20389),

Gene: Salvador_31 Start: 25859, Stop: 27625, Start Num: 107

Candidate Starts for Salvador_31:

(90, 25817), (Start: 107 @25859 has 72 MA's), (Start: 126 @25895 has 1 MA's), (Start: 150 @25928 has 25 MA's), (244, 26084), (263, 26138), (265, 26141), (303, 26171), (333, 26237), (349, 26261), (356, 26270), (375, 26303), (443, 26456), (463, 26495), (487, 26546), (491, 26558), (495, 26576), (501, 26588), (506, 26600), (510, 26615), (520, 26645), (521, 26648), (527, 26669), (583, 26741), (602, 26789), (649, 26900), (669, 26933), (686, 26972), (687, 26975), (710, 27047), (753, 27113), (759, 27125), (845, 27296), (846, 27299), (862, 27347), (875, 27374), (884, 27401), (905, 27455), (951, 27572), (957, 27593), (966, 27620),

Gene: Salz_28 Start: 20746, Stop: 22545, Start Num: 145

Candidate Starts for Salz_28:

(103, 20680), (Start: 128 @20722 has 10 MA's), (Start: 145 @20746 has 749 MA's), (185, 20788), (240, 20884), (246, 20899), (303, 20980), (304, 20983), (349, 21058), (361, 21073), (381, 21112), (385, 21118), (415, 21169), (434, 21229), (436, 21235), (470, 21316), (507, 21400), (551, 21526), (558, 21544), (574, 21571), (629, 21712), (668, 21778), (674, 21790), (675, 21793), (749, 21982), (765, 22009), (773, 22018), (783, 22039), (785, 22042), (795, 22063), (802, 22078), (808, 22102), (832, 22177), (836, 22192), (865, 22276), (905, 22381), (907, 22387), (935, 22441), (966, 22540),

Gene: SamScheppers_22 Start: 18161, Stop: 19948, Start Num: 145

Candidate Starts for SamScheppers_22:

(Start: 121 @18122 has 1 MA's), (Start: 138 @18152 has 25 MA's), (Start: 143 @18158 has 53 MA's), (Start: 145 @18161 has 749 MA's), (Start: 193 @18218 has 1 MA's), (222, 18266), (Start: 239 @18305 has 1 MA's), (244, 18320), (251, 18338), (261, 18371), (276, 18401), (298, 18446), (304, 18464), (338, 18536), (341, 18542), (357, 18572), (395, 18638), (404, 18650), (456, 18785), (486, 18833), (488, 18839), (493, 18857), (508, 18887), (520, 18926), (586, 19052), (612, 19112), (613, 19115), (620, 19133), (623, 19148), (693, 19316), (710, 19370), (754, 19415), (781, 19460), (797, 19484), (808, 19517), (820, 19550), (841, 19622), (845, 19634), (862, 19685), (865, 19691), (914, 19793), (960, 19919), (971, 19940),

Gene: SamW_17 Start: 16284, Stop: 17981, Start Num: 125

Candidate Starts for SamW_17:

(Start: 125 @16284 has 8 MA's), (Start: 138 @16305 has 25 MA's), (198, 16389), (210, 16416), (215, 16422), (301, 16554), (329, 16605), (349, 16638), (356, 16647), (425, 16782), (436, 16815), (442, 16833), (468, 16887), (488, 16932), (510, 16989), (513, 17001), (525, 17040), (562, 17091), (574, 17100), (584, 17121), (612, 17187), (647, 17277), (698, 17385), (715, 17439), (717, 17445), (723, 17463), (804, 17559), (818, 17580), (836, 17625), (892, 17784), (901, 17799), (906, 17814), (909, 17826), (965, 17970),

Gene: Samba_19 Start: 16728, Stop: 18374, Start Num: 220

Candidate Starts for Samba_19:

(196, 16692), (Start: 220 @16728 has 45 MA's), (261, 16830), (295, 16908), (296, 16911), (337, 17007), (355, 17046), (390, 17106), (404, 17127), (423, 17181), (428, 17196), (510, 17367), (520, 17397), (620, 17580), (626, 17604), (658, 17655), (695, 17748), (700, 17760), (738, 17805), (747, 17820), (809, 17952), (810, 17955), (841, 18054), (847, 18072), (865, 18123), (890, 18189), (927, 18252), (935, 18264),

Gene: Samman98_20 Start: 17337, Stop: 18917, Start Num: 268

Candidate Starts for Samman98_20:

(217, 17220), (Start: 268 @17337 has 52 MA's), (418, 17595), (425, 17616), (443, 17670), (459, 17709), (482, 17766), (489, 17787), (582, 17958), (588, 17976), (601, 18000), (608, 18021), (628, 18063), (671, 18144), (705, 18234), (720, 18279), (745, 18336), (748, 18339), (779, 18393), (813, 18483), (913, 18762), (918, 18771), (932, 18801),

Gene: Sampson_35 Start: 30699, Stop: 32321, Start Num: 190

Candidate Starts for Sampson_35:

(Start: 190 @30699 has 16 MA's), (205, 30720), (210, 30732), (237, 30783), (257, 30846), (294, 30918), (329, 31005), (354, 31056), (371, 31086), (417, 31167), (424, 31194), (489, 31293), (500, 31323), (504, 31332), (516, 31365), (517, 31368), (518, 31371), (521, 31380), (537, 31428), (586, 31476), (589, 31485), (628, 31584), (649, 31623), (656, 31635), (701, 31752), (764, 31791), (787, 31830), (808, 31887), (822, 31926), (824, 31935), (839, 31992), (843, 32004), (862, 32061), (865, 32067), (875, 32088), (886, 32121), (909, 32166), (959, 32295), (961, 32304),

Gene: Samty_19 Start: 17376, Stop: 19139, Start Num: 130

Candidate Starts for Samty_19:

(Start: 130 @17376 has 38 MA's), (155, 17403), (194, 17466), (Start: 220 @17514 has 45 MA's), (225, 17520), (248, 17556), (276, 17631), (297, 17655), (301, 17661), (329, 17718), (397, 17832), (405, 17844), (443, 17955), (507, 18099), (510, 18111), (521, 18144), (523, 18159), (616, 18333), (619, 18339), (638, 18396), (661, 18438), (669, 18447), (675, 18459), (701, 18534), (729, 18603), (732, 18615), (787, 18663), (824, 18729), (847, 18807), (862, 18852), (886, 18909), (912, 18972), (930, 19008), (936, 19023), (944, 19053), (946, 19059), (950, 19071), (952, 19080), (956, 19092),

Gene: SamuelLPlaqson_23 Start: 17102, Stop: 18868, Start Num: 145

Candidate Starts for SamuelLPlaqson_23:

(Start: 145 @17102 has 749 MA's), (Start: 170 @17132 has 1 MA's), (251, 17291), (261, 17324), (276, 17354), (291, 17387), (298, 17399), (338, 17489), (361, 17531), (404, 17603), (409, 17612), (422, 17651), (436, 17696), (444, 17720), (488, 17792), (504, 17834), (508, 17840), (516, 17867), (586, 18005), (593, 18023), (612, 18065), (628, 18113), (647, 18140), (693, 18245), (750, 18335), (809, 18440), (820, 18470), (823, 18479), (845, 18554), (862, 18605), (950, 18800), (960, 18839), (961, 18842), (971, 18860),

Gene: Sandaddy_26 Start: 21059, Stop: 22861, Start Num: 148

Candidate Starts for Sandaddy_26:

(Start: 148 @21059 has 202 MA's), (Start: 166 @21080 has 28 MA's), (Start: 191 @21122 has 1 MA's), (349, 21383), (376, 21428), (381, 21437), (407, 21476), (425, 21527), (426, 21530), (507, 21725), (528, 21794), (616, 21995), (617, 21998), (623, 22019), (674, 22115), (675, 22118), (677, 22124), (701, 22193), (708, 22211), (710, 22220), (720, 22250), (779, 22346), (795, 22379), (802, 22394), (845, 22535), (865, 22592), (907, 22703),

Gene: Sandalphon_17 Start: 15361, Stop: 17070, Start Num: 132

Candidate Starts for Sandalphon_17:

(Start: 132 @15361 has 199 MA's), (198, 15448), (Start: 228 @15493 has 2 MA's), (237, 15517), (256, 15574), (277, 15622), (282, 15628), (290, 15646), (301, 15676), (349, 15781), (379, 15835), (383, 15841), (389, 15850), (404, 15871), (415, 15895), (425, 15931), (427, 15937), (438, 15970), (439, 15973), (442, 15982), (459, 15997), (467, 16003), (481, 16021), (486, 16036), (488, 16042), (493, 16060), (494, 16063), (501, 16078), (509, 16093), (510, 16099), (523, 16147), (530, 16159), (531, 16165), (586, 16225), (590, 16237), (606, 16273), (612, 16285), (644, 16360), (647, 16369), (656, 16387), (659, 16393), (671, 16423), (755, 16528), (764, 16540), (785, 16576), (813, 16654), (851, 16774), (862, 16807), (877, 16837), (880, 16849), (886, 16867), (888, 16873), (889, 16876), (891, 16882), (905, 16897), (906, 16900), (914, 16921), (916, 16924), (940, 16966), (947, 16996), (959, 17038), (960, 17044),

Gene: Sanjuju_33 Start: 30976, Stop: 32739, Start Num: 107

Candidate Starts for Sanjuju_33:

(100, 30958), (Start: 107 @30976 has 72 MA's), (Start: 126 @31012 has 1 MA's), (216, 31150), (259, 31246), (265, 31255), (319, 31324), (349, 31375), (376, 31420), (385, 31435), (425, 31516), (440, 31561), (443, 31570), (487, 31660), (495, 31690), (503, 31705), (510, 31729), (520, 31759), (586, 31864), (629, 31981), (644, 31999), (649, 32014), (668, 32044), (674, 32056), (675, 32059), (686, 32086), (845, 32410), (846, 32413), (862, 32461), (875, 32488), (884, 32515), (905, 32569), (913, 32596), (961, 32725),

Gene: Santhid_18 Start: 14993, Stop: 16609, Start Num: 184

Candidate Starts for Santhid_18:

(Start: 184 @14993 has 11 MA's), (237, 15092), (245, 15116), (294, 15227), (295, 15230), (301, 15248), (304, 15257), (335, 15323), (342, 15338), (346, 15347), (348, 15353), (404, 15443), (423, 15497), (426, 15506), (488, 15596), (527, 15707), (584, 15779), (586, 15785), (589, 15794), (600, 15812), (632, 15902), (644, 15917), (686, 16001), (691, 16016), (695, 16034), (700, 16046), (779, 16112), (802, 16160), (805, 16172), (808, 16184), (814, 16205), (820, 16217), (824, 16232), (834,

16262), (844, 16298), (909, 16451), (929, 16487), (951, 16550), (957, 16571), (965, 16595), (968, 16601),

Gene: Sanya_26 Start: 21743, Stop: 23545, Start Num: 148

Candidate Starts for Sanya_26:

(Start: 148 @21743 has 202 MA's), (Start: 166 @21764 has 28 MA's), (Start: 191 @21806 has 1 MA's), (215, 21851), (349, 22067), (376, 22112), (381, 22121), (425, 22211), (426, 22214), (463, 22307), (507, 22409), (528, 22478), (616, 22679), (617, 22682), (623, 22703), (674, 22799), (675, 22802), (677, 22808), (701, 22877), (708, 22895), (710, 22904), (720, 22934), (779, 23030), (795, 23063), (802, 23078), (845, 23219), (865, 23276), (907, 23387),

Gene: Sapo_16 Start: 14618, Stop: 16216, Start Num: 220

Candidate Starts for Sapo_16:

(Start: 220 @14618 has 45 MA's), (327, 14873), (362, 14945), (370, 14963), (375, 14972), (387, 14990), (432, 15098), (433, 15101), (486, 15194), (510, 15257), (576, 15368), (578, 15371), (586, 15392), (617, 15467), (623, 15488), (626, 15497), (686, 15608), (700, 15653), (710, 15683), (738, 15698), (847, 15914), (858, 15947), (882, 16007), (886, 16019), (927, 16094), (940, 16118), (948, 16151),

Gene: SarFire_27 Start: 21221, Stop: 23023, Start Num: 148

Candidate Starts for SarFire_27:

(Start: 148 @21221 has 202 MA's), (Start: 166 @21242 has 28 MA's), (Start: 191 @21284 has 1 MA's), (215, 21329), (349, 21545), (376, 21590), (381, 21599), (425, 21689), (426, 21692), (463, 21785), (507, 21887), (528, 21956), (612, 22145), (616, 22157), (617, 22160), (623, 22181), (674, 22277), (675, 22280), (677, 22286), (701, 22355), (708, 22373), (710, 22382), (720, 22412), (779, 22508), (795, 22541), (802, 22556), (845, 22697), (865, 22754), (907, 22865), (966, 23018),

Gene: Sarma624_17 Start: 14767, Stop: 16344, Start Num: 228

Candidate Starts for Sarma624_17:

(Start: 132 @14635 has 199 MA's), (198, 14722), (Start: 228 @14767 has 2 MA's), (237, 14791), (277, 14896), (282, 14902), (290, 14920), (301, 14950), (349, 15055), (383, 15115), (398, 15136), (404, 15145), (415, 15169), (438, 15244), (439, 15247), (481, 15295), (486, 15310), (488, 15316), (501, 15352), (503, 15355), (509, 15367), (510, 15373), (523, 15421), (530, 15433), (531, 15439), (586, 15499), (590, 15511), (606, 15547), (612, 15559), (644, 15634), (647, 15643), (656, 15661), (659, 15667), (671, 15697), (755, 15802), (761, 15811), (764, 15814), (785, 15850), (813, 15928), (844, 16027), (851, 16048), (862, 16081), (877, 16111), (886, 16141), (889, 16150), (891, 16156), (905, 16171), (906, 16174), (916, 16198), (935, 16228), (940, 16240), (947, 16270), (959, 16312),

Gene: Saronaya_34 Start: 29639, Stop: 31402, Start Num: 107

Candidate Starts for Saronaya_34:

(Start: 107 @29639 has 72 MA's), (Start: 126 @29675 has 1 MA's), (210, 29804), (216, 29813), (259, 29909), (265, 29918), (319, 29987), (349, 30038), (356, 30047), (376, 30083), (385, 30098), (397, 30116), (425, 30179), (440, 30224), (443, 30233), (493, 30344), (495, 30353), (503, 30368), (510, 30392), (520, 30422), (629, 30644), (644, 30662), (649, 30677), (674, 30719), (686, 30749), (732, 30869), (798, 30962), (845, 31073), (846, 31076), (862, 31124), (875, 31151), (884, 31178), (905, 31232),

Gene: Sassafra_16 Start: 14940, Stop: 16649, Start Num: 132

Candidate Starts for Sassafra_16:

(Start: 132 @14940 has 199 MA's), (198, 15027), (Start: 228 @15072 has 2 MA's), (237, 15096), (277, 15201), (282, 15207), (290, 15225), (301, 15255), (349, 15360), (383, 15420), (398, 15441), (404, 15450), (415, 15474), (481, 15600), (486, 15615), (488, 15621), (501, 15657), (503, 15660), (509, 15672), (510, 15678), (523, 15726), (530, 15738), (531, 15744), (586, 15804), (590, 15816), (606,

15852), (612, 15864), (644, 15939), (647, 15948), (656, 15966), (659, 15972), (671, 16002), (755, 16107), (764, 16119), (785, 16155), (813, 16233), (844, 16332), (851, 16353), (862, 16386), (877, 16416), (886, 16446), (889, 16455), (891, 16461), (905, 16476), (906, 16479), (914, 16500), (916, 16503), (940, 16545), (947, 16575), (959, 16617),

Gene: Sassay_23 Start: 19334, Stop: 20929, Start Num: 197

Candidate Starts for Sassay_23:

(Start: 137 @19250 has 84 MA's), (Start: 197 @19334 has 47 MA's), (Start: 239 @19412 has 1 MA's), (272, 19499), (282, 19514), (301, 19562), (315, 19601), (363, 19688), (380, 19721), (404, 19757), (417, 19787), (418, 19793), (441, 19862), (483, 19892), (487, 19904), (488, 19907), (510, 19964), (587, 20096), (589, 20102), (617, 20168), (620, 20174), (626, 20198), (647, 20246), (659, 20270), (665, 20279), (695, 20354), (761, 20405), (772, 20420), (833, 20582), (841, 20609), (851, 20639), (890, 20744), (938, 20822), (947, 20858), (950, 20867), (959, 20900), (965, 20915),

Gene: SassyB_16 Start: 14854, Stop: 16563, Start Num: 132

Candidate Starts for SassyB_16:

(Start: 132 @14854 has 199 MA's), (198, 14941), (Start: 228 @14986 has 2 MA's), (237, 15010), (277, 15115), (282, 15121), (290, 15139), (301, 15169), (349, 15274), (383, 15334), (389, 15343), (395, 15352), (398, 15355), (404, 15364), (415, 15388), (481, 15514), (486, 15529), (488, 15535), (501, 15571), (503, 15574), (509, 15586), (510, 15592), (523, 15640), (530, 15652), (531, 15658), (586, 15718), (590, 15730), (606, 15766), (612, 15778), (644, 15853), (647, 15862), (656, 15880), (659, 15886), (671, 15916), (755, 16021), (761, 16030), (764, 16033), (785, 16069), (813, 16147), (844, 16246), (851, 16267), (862, 16300), (877, 16330), (886, 16360), (889, 16369), (891, 16375), (905, 16390), (906, 16393), (916, 16417), (935, 16447), (940, 16459), (947, 16489), (959, 16531),

Gene: SaturnRing_27 Start: 19904, Stop: 21700, Start Num: 145

Candidate Starts for SaturnRing_27:

(Start: 145 @19904 has 749 MA's), (Start: 191 @19961 has 1 MA's), (233, 20030), (297, 20132), (303, 20144), (304, 20147), (349, 20222), (361, 20237), (381, 20276), (440, 20411), (470, 20480), (516, 20594), (560, 20720), (616, 20834), (623, 20858), (629, 20876), (675, 20957), (701, 21032), (708, 21050), (710, 21059), (717, 21083), (720, 21089), (729, 21104), (749, 21137), (777, 21182), (779, 21185), (791, 21206), (795, 21218), (798, 21224), (815, 21281), (865, 21431), (877, 21455), (905, 21536), (907, 21542), (959, 21677),

Gene: Savage_17 Start: 14758, Stop: 16467, Start Num: 269

Candidate Starts for Savage_17:

(Start: 269 @14758 has 31 MA's), (324, 14875), (405, 15025), (424, 15064), (429, 15079), (452, 15148), (459, 15160), (489, 15238), (490, 15241), (532, 15373), (547, 15427), (581, 15508), (605, 15568), (608, 15574), (610, 15580), (649, 15661), (671, 15697), (688, 15733), (694, 15751), (707, 15790), (731, 15862), (745, 15886), (841, 16120), (846, 16135), (860, 16177), (893, 16270), (894, 16273), (918, 16321), (932, 16351),

Gene: Savbucketdawg_31 Start: 25640, Stop: 27406, Start Num: 107

Candidate Starts for Savbucketdawg_31:

(90, 25598), (Start: 107 @25640 has 72 MA's), (Start: 126 @25676 has 1 MA's), (Start: 150 @25709 has 25 MA's), (263, 25919), (265, 25922), (303, 25952), (333, 26018), (349, 26042), (356, 26051), (375, 26084), (443, 26237), (463, 26276), (487, 26327), (491, 26339), (495, 26357), (501, 26369), (506, 26381), (510, 26396), (520, 26426), (521, 26429), (527, 26450), (583, 26522), (602, 26570), (649, 26681), (669, 26714), (686, 26753), (687, 26756), (710, 26828), (753, 26894), (759, 26906), (845, 27077), (849, 27089), (851, 27095), (862, 27128), (875, 27155), (884, 27182), (905, 27236), (951, 27353), (957, 27374), (966, 27401),

Gene: Scamp_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Scamp_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Scarlett_22 Start: 16390, Stop: 18159, Start Num: 138

Candidate Starts for Scarlett_22:

(Start: 121 @16360 has 1 MA's), (Start: 138 @16390 has 25 MA's), (Start: 143 @16396 has 53 MA's), (Start: 170 @16423 has 1 MA's), (185, 16450), (244, 16564), (261, 16615), (291, 16678), (338, 16780), (341, 16786), (380, 16858), (404, 16894), (409, 16903), (422, 16942), (437, 16990), (443, 17008), (464, 17047), (465, 17050), (482, 17065), (486, 17077), (488, 17083), (504, 17125), (508, 17131), (516, 17158), (586, 17296), (593, 17314), (601, 17326), (628, 17404), (669, 17476), (675, 17488), (693, 17536), (742, 17611), (797, 17695), (808, 17728), (810, 17734), (820, 17761), (845, 17845), (847, 17851), (862, 17896), (865, 17902), (909, 17995), (950, 18091), (971, 18151),

Gene: Schatzie_34 Start: 26625, Stop: 28358, Start Num: 133

Candidate Starts for Schatzie_34:

(Start: 133 @26625 has 29 MA's), (Start: 197 @26715 has 47 MA's), (223, 26763), (237, 26793), (247, 26820), (291, 26922), (302, 26952), (345, 27051), (365, 27087), (367, 27093), (380, 27114), (418, 27186), (421, 27195), (427, 27216), (467, 27285), (488, 27324), (489, 27327), (493, 27342), (510, 27381), (523, 27429), (530, 27441), (531, 27447), (573, 27495), (579, 27504), (587, 27525), (595, 27543), (615, 27591), (656, 27693), (686, 27753), (691, 27765), (772, 27849), (779, 27861), (782, 27867), (788, 27879), (791, 27882), (805, 27921), (810, 27939), (823, 27975), (824, 27981), (851, 28068), (885, 28158), (909, 28200), (919, 28218), (936, 28248), (948, 28290), (965, 28344),

Gene: Scherzo_30 Start: 21782, Stop: 23572, Start Num: 145

Candidate Starts for Scherzo_30:

(Start: 143 @21779 has 53 MA's), (Start: 145 @21782 has 749 MA's), (303, 22016), (304, 22019), (347, 22091), (349, 22094), (361, 22109), (381, 22148), (385, 22154), (434, 22265), (470, 22352), (504, 22433), (507, 22436), (582, 22622), (609, 22685), (617, 22709), (620, 22715), (629, 22748), (675, 22829), (717, 22955), (737, 22997), (779, 23057), (795, 23090), (802, 23105), (832, 23204), (833, 23207), (836, 23219), (865, 23303), (890, 23369), (905, 23408), (907, 23414), (928, 23459), (950, 23516), (951, 23519),

Gene: Schiebel_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Schiebel_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Schnabeltier_19 Start: 16963, Stop: 18693, Start Num: 140

Candidate Starts for Schnabeltier_19:

(84, 16846), (Start: 121 @16930 has 1 MA's), (Start: 126 @16942 has 1 MA's), (Start: 140 @16963 has 5 MA's), (247, 17134), (296, 17200), (310, 17233), (321, 17254), (425, 17446), (448, 17518), (469, 17560), (487, 17596), (495, 17626), (506, 17650), (519, 17692), (527, 17719), (563, 17776), (574,

17782), (612, 17869), (785, 18229), (796, 18253), (804, 18271), (845, 18367), (909, 18541), (910, 18544), (915, 18556), (948, 18631), (956, 18658),

Gene: Schnauzer_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Schnauzer_18:

(Start: 134 @14989 has 40 MA's), (161, 15016), (Start: 228 @15121 has 2 MA's), (232, 15133), (245, 15169), (263, 15220), (277, 15250), (282, 15256), (294, 15283), (296, 15289), (349, 15409), (379, 15463), (383, 15469), (395, 15487), (404, 15499), (406, 15502), (415, 15523), (427, 15565), (438, 15598), (481, 15649), (486, 15664), (501, 15706), (509, 15721), (510, 15727), (523, 15775), (535, 15799), (554, 15829), (586, 15853), (612, 15913), (616, 15925), (636, 15979), (644, 15988), (670, 16048), (671, 16051), (755, 16156), (761, 16165), (785, 16204), (832, 16342), (885, 16492), (886, 16495), (889, 16504), (905, 16525), (916, 16552), (938, 16588), (965, 16681),

Gene: SchoolBus_56 Start: 33469, Stop: 35205, Start Num: 118

Candidate Starts for SchoolBus_56:

(Start: 113 @33460 has 2 MA's), (Start: 118 @33469 has 26 MA's), (180, 33559), (244, 33676), (256, 33712), (265, 33733), (277, 33760), (282, 33766), (295, 33796), (303, 33820), (328, 33871), (404, 34009), (408, 34015), (424, 34066), (425, 34069), (431, 34087), (481, 34138), (488, 34159), (489, 34162), (509, 34210), (510, 34216), (523, 34264), (527, 34270), (530, 34276), (575, 34336), (586, 34360), (587, 34363), (606, 34408), (613, 34423), (616, 34432), (620, 34441), (636, 34486), (647, 34504), (665, 34537), (764, 34675), (777, 34696), (806, 34762), (814, 34792), (830, 34846), (844, 34888), (851, 34909), (858, 34930), (862, 34942), (872, 34963), (891, 35017), (938, 35095), (947, 35131), (953, 35152), (960, 35179),

Gene: SchottB_33 Start: 30654, Stop: 32417, Start Num: 107

Candidate Starts for SchottB_33:

(Start: 107 @30654 has 72 MA's), (Start: 126 @30690 has 1 MA's), (210, 30819), (216, 30828), (259, 30924), (265, 30933), (319, 31002), (349, 31053), (356, 31062), (376, 31098), (385, 31113), (397, 31131), (425, 31194), (440, 31239), (443, 31248), (493, 31359), (495, 31368), (503, 31383), (510, 31407), (520, 31437), (629, 31659), (644, 31677), (649, 31692), (674, 31734), (675, 31737), (686, 31764), (732, 31884), (845, 32088), (846, 32091), (862, 32139), (875, 32166), (884, 32193), (905, 32247),

Gene: Schuy_57 Start: 33260, Stop: 34996, Start Num: 118

Candidate Starts for Schuy_57:

(Start: 113 @33251 has 2 MA's), (Start: 118 @33260 has 26 MA's), (180, 33350), (244, 33467), (256, 33503), (265, 33524), (277, 33551), (282, 33557), (295, 33587), (303, 33611), (328, 33662), (404, 33800), (408, 33806), (424, 33857), (425, 33860), (431, 33878), (481, 33929), (488, 33950), (489, 33953), (509, 34001), (510, 34007), (523, 34055), (527, 34061), (530, 34067), (575, 34127), (586, 34151), (587, 34154), (606, 34199), (613, 34214), (616, 34223), (620, 34232), (636, 34277), (647, 34295), (665, 34328), (764, 34466), (777, 34487), (806, 34553), (814, 34583), (830, 34637), (844, 34679), (851, 34700), (858, 34721), (862, 34733), (872, 34754), (891, 34808), (938, 34886), (947, 34922), (953, 34943), (960, 34970),

Gene: Scioto_35 Start: 30775, Stop: 32376, Start Num: 205

Candidate Starts for Scioto_35:

(Start: 190 @30754 has 16 MA's), (205, 30775), (210, 30787), (237, 30838), (257, 30901), (294, 30973), (329, 31060), (354, 31111), (371, 31141), (417, 31222), (424, 31249), (489, 31348), (500, 31378), (504, 31387), (516, 31420), (517, 31423), (518, 31426), (521, 31435), (537, 31483), (586, 31531), (589, 31540), (628, 31639), (649, 31678), (656, 31690), (701, 31807), (764, 31846), (787, 31885), (808, 31942), (822, 31981), (824, 31990), (839, 32047), (843, 32059), (862, 32116), (865, 32122), (875, 32143), (886, 32176), (909, 32221), (959, 32350), (961, 32359),

Gene: Scitech_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Scitech_18:

(Start: 134 @14986 has 40 MA's), (161, 15013), (Start: 228 @15118 has 2 MA's), (232, 15130), (245, 15166), (263, 15217), (277, 15247), (282, 15253), (294, 15280), (296, 15286), (349, 15406), (379, 15460), (383, 15466), (395, 15484), (404, 15496), (406, 15499), (415, 15520), (427, 15562), (438, 15595), (481, 15646), (486, 15661), (501, 15703), (509, 15718), (510, 15724), (523, 15772), (535, 15796), (554, 15826), (586, 15850), (612, 15910), (616, 15922), (636, 15976), (644, 15985), (670, 16045), (671, 16048), (755, 16153), (761, 16162), (785, 16201), (832, 16339), (885, 16489), (886, 16492), (889, 16501), (905, 16522), (916, 16549), (938, 16585), (965, 16678),

Gene: Scorpia_25 Start: 18949, Stop: 20748, Start Num: 145

Candidate Starts for Scorpia_25:

(Start: 145 @18949 has 749 MA's), (304, 19186), (349, 19261), (361, 19276), (379, 19312), (419, 19384), (423, 19399), (434, 19432), (436, 19438), (516, 19633), (523, 19663), (527, 19669), (560, 19759), (587, 19804), (616, 19873), (629, 19915), (637, 19933), (674, 19993), (675, 19996), (708, 20089), (777, 20230), (795, 20266), (904, 20581), (907, 20590), (959, 20725),

Gene: Scottish_17 Start: 16108, Stop: 17817, Start Num: 132

Candidate Starts for Scottish_17:

(Start: 132 @16108 has 199 MA's), (198, 16195), (Start: 228 @16240 has 2 MA's), (237, 16264), (277, 16369), (282, 16375), (290, 16393), (301, 16423), (349, 16528), (383, 16588), (389, 16597), (404, 16618), (415, 16642), (425, 16678), (427, 16684), (438, 16717), (439, 16720), (442, 16729), (459, 16744), (467, 16750), (481, 16768), (486, 16783), (488, 16789), (493, 16807), (494, 16810), (501, 16825), (503, 16828), (509, 16840), (510, 16846), (523, 16894), (530, 16906), (531, 16912), (586, 16972), (590, 16984), (606, 17020), (612, 17032), (644, 17107), (647, 17116), (656, 17134), (659, 17140), (671, 17170), (755, 17275), (761, 17284), (764, 17287), (785, 17323), (813, 17401), (844, 17500), (851, 17521), (862, 17554), (877, 17584), (880, 17596), (886, 17614), (888, 17620), (889, 17623), (891, 17629), (905, 17644), (906, 17647), (914, 17668), (916, 17671), (940, 17713), (959, 17785), (960, 17791),

Gene: Scout_27 Start: 19207, Stop: 21006, Start Num: 145

Candidate Starts for Scout_27:

(Start: 145 @19207 has 749 MA's), (Start: 191 @19267 has 1 MA's), (233, 19336), (297, 19438), (303, 19450), (304, 19453), (349, 19528), (361, 19543), (363, 19546), (381, 19582), (440, 19717), (470, 19786), (516, 19900), (560, 20026), (616, 20140), (623, 20164), (627, 20176), (629, 20182), (675, 20263), (701, 20338), (708, 20356), (710, 20365), (717, 20389), (720, 20395), (729, 20410), (753, 20452), (773, 20479), (777, 20488), (779, 20491), (791, 20512), (795, 20524), (865, 20737), (905, 20842), (907, 20848), (959, 20983),

Gene: Scowl_28 Start: 21803, Stop: 23605, Start Num: 148

Candidate Starts for Scowl_28:

(Start: 148 @21803 has 202 MA's), (Start: 166 @21824 has 28 MA's), (Start: 191 @21866 has 1 MA's), (215, 21911), (349, 22127), (376, 22172), (381, 22181), (407, 22220), (425, 22271), (426, 22274), (463, 22367), (507, 22469), (528, 22538), (616, 22739), (617, 22742), (623, 22763), (674, 22859), (675, 22862), (677, 22868), (701, 22937), (708, 22955), (710, 22964), (720, 22994), (779, 23090), (795, 23123), (802, 23138), (845, 23279), (865, 23336), (907, 23447),

Gene: Seabastian_16 Start: 15041, Stop: 16750, Start Num: 132

Candidate Starts for Seabastian_16:

(Start: 132 @15041 has 199 MA's), (198, 15128), (210, 15149), (Start: 228 @15173 has 2 MA's), (237, 15197), (244, 15218), (277, 15302), (282, 15308), (290, 15326), (301, 15356), (349, 15461), (379, 15515), (383, 15521), (395, 15539), (398, 15542), (404, 15551), (415, 15575), (438, 15650), (442, 15662), (459, 15677), (467, 15683), (481, 15701), (486, 15716), (488, 15722), (496, 15749), (501,

15758), (509, 15773), (510, 15779), (523, 15827), (530, 15839), (531, 15845), (586, 15905), (590, 15917), (606, 15953), (612, 15965), (620, 15986), (644, 16040), (647, 16049), (656, 16067), (659, 16073), (671, 16103), (755, 16208), (761, 16217), (764, 16220), (785, 16256), (803, 16295), (813, 16334), (851, 16454), (862, 16487), (877, 16517), (886, 16547), (889, 16556), (891, 16562), (905, 16577), (906, 16580), (914, 16601), (916, 16604), (938, 16640), (940, 16646), (947, 16676), (959, 16718),

Gene: Seabiscuit_29 Start: 21127, Stop: 22929, Start Num: 148

Candidate Starts for Seabiscuit_29:

(Start: 148 @21127 has 202 MA's), (Start: 166 @21148 has 28 MA's), (Start: 191 @21190 has 1 MA's), (215, 21235), (349, 21451), (376, 21496), (381, 21505), (407, 21544), (425, 21595), (426, 21598), (507, 21793), (528, 21862), (616, 22063), (617, 22066), (623, 22087), (674, 22183), (675, 22186), (677, 22192), (701, 22261), (708, 22279), (710, 22288), (720, 22318), (779, 22414), (795, 22447), (802, 22462), (845, 22603), (865, 22660), (907, 22771),

Gene: Seagreen_17 Start: 14650, Stop: 16359, Start Num: 132

Candidate Starts for Seagreen_17:

(Start: 132 @14650 has 199 MA's), (198, 14737), (Start: 228 @14782 has 2 MA's), (237, 14806), (244, 14827), (277, 14911), (282, 14917), (290, 14935), (301, 14965), (349, 15070), (383, 15130), (389, 15139), (395, 15148), (398, 15151), (404, 15160), (411, 15178), (415, 15184), (481, 15310), (486, 15325), (488, 15331), (501, 15367), (503, 15370), (509, 15382), (510, 15388), (523, 15436), (530, 15448), (531, 15454), (586, 15514), (590, 15526), (606, 15562), (612, 15574), (644, 15649), (647, 15658), (656, 15676), (659, 15682), (671, 15712), (755, 15817), (761, 15826), (764, 15829), (785, 15865), (810, 15931), (813, 15943), (844, 16042), (851, 16063), (862, 16096), (877, 16126), (886, 16156), (889, 16165), (891, 16171), (905, 16186), (906, 16189), (916, 16213), (935, 16243), (940, 16255), (947, 16285), (959, 16327),

Gene: Seanderson_28 Start: 21601, Stop: 23403, Start Num: 148

Candidate Starts for Seanderson_28:

(Start: 148 @21601 has 202 MA's), (Start: 166 @21622 has 28 MA's), (Start: 191 @21664 has 1 MA's), (215, 21709), (349, 21925), (376, 21970), (381, 21979), (407, 22018), (425, 22069), (426, 22072), (507, 22267), (528, 22336), (616, 22537), (617, 22540), (623, 22561), (674, 22657), (675, 22660), (677, 22666), (701, 22735), (708, 22753), (710, 22762), (720, 22792), (779, 22888), (795, 22921), (802, 22936), (810, 22966), (845, 23077), (865, 23134), (907, 23245),

Gene: Sedona_35 Start: 31913, Stop: 33676, Start Num: 107

Candidate Starts for Sedona_35:

(100, 31895), (Start: 107 @31913 has 72 MA's), (Start: 126 @31949 has 1 MA's), (216, 32087), (259, 32183), (265, 32192), (319, 32261), (349, 32312), (376, 32357), (385, 32372), (425, 32453), (440, 32498), (443, 32507), (487, 32597), (495, 32627), (503, 32642), (510, 32666), (520, 32696), (586, 32801), (629, 32918), (644, 32936), (649, 32951), (668, 32981), (674, 32993), (675, 32996), (686, 33023), (844, 33344), (845, 33347), (846, 33350), (862, 33398), (875, 33425), (884, 33452), (905, 33506), (912, 33530), (913, 33533), (951, 33623), (966, 33671),

Gene: Sekhmet_20 Start: 17697, Stop: 19277, Start Num: 268

Candidate Starts for Sekhmet_20:

(217, 17580), (Start: 268 @17697 has 52 MA's), (418, 17955), (425, 17976), (443, 18030), (459, 18069), (482, 18126), (489, 18147), (582, 18318), (588, 18336), (601, 18360), (608, 18381), (628, 18423), (671, 18504), (705, 18594), (745, 18696), (748, 18699), (779, 18753), (829, 18891), (874, 19023), (913, 19122), (918, 19131), (932, 19161),

Gene: SemperFi_30 Start: 20535, Stop: 22307, Start Num: 145

Candidate Starts for SemperFi_30:

(103, 20469), (Start: 128 @20511 has 10 MA's), (Start: 145 @20535 has 749 MA's), (216, 20634), (256, 20718), (303, 20769), (304, 20772), (347, 20844), (349, 20847), (381, 20901), (407, 20940), (423, 20985), (434, 21018), (470, 21105), (504, 21186), (507, 21189), (617, 21462), (717, 21708), (757, 21762), (795, 21825), (802, 21840), (804, 21846), (821, 21900), (832, 21939), (836, 21954), (865, 22038), (896, 22119), (907, 22149), (959, 22284),

Gene: Sephiroth_28 Start: 21951, Stop: 23702, Start Num: 157

Candidate Starts for Sephiroth_28:

(Start: 142 @21936 has 1 MA's), (Start: 157 @21951 has 12 MA's), (172, 21972), (174, 21975), (205, 22032), (216, 22053), (Start: 220 @22059 has 45 MA's), (241, 22086), (249, 22104), (253, 22113), (254, 22116), (276, 22176), (323, 22251), (332, 22272), (350, 22311), (423, 22455), (443, 22515), (445, 22521), (449, 22536), (470, 22575), (500, 22644), (504, 22653), (510, 22668), (512, 22677), (521, 22701), (527, 22722), (551, 22776), (574, 22794), (608, 22875), (612, 22887), (621, 22911), (675, 23025), (712, 23133), (721, 23157), (757, 23184), (787, 23229), (826, 23304), (828, 23310), (847, 23370), (865, 23421), (881, 23457), (905, 23508), (907, 23514), (915, 23538), (930, 23577), (936, 23592), (944, 23619), (953, 23649), (957, 23661), (969, 23691),

Gene: Serenity_27 Start: 19141, Stop: 20931, Start Num: 145

Candidate Starts for Serenity_27:

(Start: 128 @19117 has 10 MA's), (Start: 145 @19141 has 749 MA's), (246, 19294), (303, 19375), (304, 19378), (347, 19450), (349, 19453), (381, 19507), (385, 19513), (397, 19531), (423, 19591), (434, 19624), (436, 19630), (448, 19669), (470, 19711), (504, 19792), (507, 19795), (523, 19855), (582, 19981), (616, 20065), (629, 20107), (657, 20158), (675, 20188), (717, 20314), (753, 20377), (795, 20449), (802, 20464), (808, 20488), (832, 20563), (836, 20578), (865, 20662), (905, 20767), (907, 20773), (912, 20791), (928, 20818), (935, 20827),

Gene: Severus_26 Start: 17888, Stop: 19666, Start Num: 145

Candidate Starts for Severus_26:

(Start: 128 @17864 has 10 MA's), (Start: 145 @17888 has 749 MA's), (Start: 191 @17945 has 1 MA's), (199, 17960), (233, 18014), (303, 18128), (304, 18131), (349, 18206), (373, 18245), (434, 18377), (470, 18464), (501, 18539), (516, 18578), (528, 18617), (560, 18704), (587, 18749), (616, 18818), (623, 18842), (627, 18854), (629, 18860), (708, 19034), (710, 19043), (717, 19067), (720, 19073), (729, 19088), (757, 19121), (791, 19172), (810, 19229), (811, 19235), (865, 19397), (905, 19502), (907, 19508), (909, 19517), (959, 19643),

Gene: SgtBeansprout_19 Start: 16697, Stop: 18463, Start Num: 145

Candidate Starts for SgtBeansprout_19:

(Start: 145 @16697 has 749 MA's), (Start: 150 @16703 has 25 MA's), (Start: 170 @16727 has 1 MA's), (Start: 239 @16853 has 1 MA's), (244, 16868), (251, 16886), (276, 16949), (338, 17084), (341, 17090), (404, 17198), (409, 17207), (443, 17312), (486, 17381), (488, 17387), (501, 17423), (508, 17435), (527, 17498), (586, 17600), (593, 17618), (612, 17660), (613, 17663), (666, 17768), (693, 17840), (758, 17948), (763, 17954), (797, 17999), (814, 18053), (823, 18074), (845, 18149), (862, 18200), (909, 18299), (917, 18314), (938, 18350), (950, 18395), (960, 18434), (961, 18437), (971, 18455),

Gene: ShaboiShabazz_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for ShaboiShabazz_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971,

18395),

Gene: Shadow1_21 Start: 16214, Stop: 17980, Start Num: 145

Candidate Starts for Shadow1_21:

(Start: 138 @16205 has 25 MA's), (Start: 145 @16214 has 749 MA's), (Start: 170 @16244 has 1 MA's), (Start: 239 @16370 has 1 MA's), (244, 16385), (251, 16403), (261, 16436), (276, 16466), (298, 16511), (338, 16601), (357, 16637), (409, 16724), (443, 16829), (444, 16832), (486, 16898), (488, 16904), (504, 16946), (508, 16952), (593, 17135), (619, 17195), (669, 17297), (675, 17309), (693, 17357), (742, 17432), (754, 17456), (797, 17516), (809, 17552), (820, 17582), (845, 17666), (862, 17717), (865, 17723), (909, 17816), (960, 17951), (961, 17954), (971, 17972),

Gene: Shaka_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Shaka_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (415, 20256), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Sham4_28 Start: 20752, Stop: 22551, Start Num: 145

Candidate Starts for Sham4_28:

(103, 20686), (Start: 128 @20728 has 10 MA's), (Start: 145 @20752 has 749 MA's), (185, 20794), (240, 20890), (246, 20905), (303, 20986), (304, 20989), (349, 21064), (361, 21079), (381, 21118), (385, 21124), (415, 21175), (434, 21235), (436, 21241), (470, 21322), (507, 21406), (551, 21532), (558, 21550), (574, 21577), (629, 21718), (668, 21784), (674, 21796), (675, 21799), (749, 21988), (765, 22015), (773, 22024), (783, 22045), (785, 22048), (795, 22069), (802, 22084), (808, 22108), (832, 22183), (836, 22198), (865, 22282), (905, 22387), (907, 22393), (935, 22447), (966, 22546),

Gene: ShamWow_24 Start: 19746, Stop: 21425, Start Num: 137

Candidate Starts for ShamWow_24:

(Start: 137 @19746 has 84 MA's), (Start: 197 @19830 has 47 MA's), (Start: 239 @19908 has 1 MA's), (272, 19995), (282, 20010), (301, 20058), (315, 20097), (363, 20184), (380, 20217), (404, 20253), (417, 20283), (418, 20289), (441, 20358), (483, 20388), (487, 20400), (488, 20403), (510, 20460), (587, 20592), (589, 20598), (617, 20664), (620, 20670), (626, 20694), (647, 20742), (659, 20766), (665, 20775), (695, 20850), (761, 20901), (772, 20916), (833, 21078), (841, 21105), (851, 21135), (890, 21240), (938, 21318), (947, 21354), (950, 21363), (959, 21396), (965, 21411),

Gene: Shaobing_23 Start: 16514, Stop: 18280, Start Num: 145

Candidate Starts for Shaobing_23:

(Start: 138 @16505 has 25 MA's), (Start: 145 @16514 has 749 MA's), (Start: 150 @16520 has 25 MA's), (Start: 170 @16544 has 1 MA's), (Start: 193 @16583 has 1 MA's), (Start: 239 @16670 has 1 MA's), (244, 16685), (251, 16703), (261, 16736), (276, 16766), (338, 16901), (357, 16937), (404, 17015), (409, 17024), (443, 17129), (444, 17132), (465, 17171), (486, 17198), (488, 17204), (504, 17246), (508, 17252), (516, 17279), (586, 17417), (593, 17435), (628, 17525), (647, 17552), (666, 17585), (693, 17657), (710, 17711), (750, 17747), (763, 17771), (797, 17816), (808, 17849), (812, 17864), (820, 17882), (823, 17891), (845, 17966), (862, 18017), (865, 18023), (914, 18125), (960, 18251), (961, 18254), (971, 18272),

Gene: Shauna1_16 Start: 14859, Stop: 16568, Start Num: 132

Candidate Starts for Shauna1_16:

(Start: 132 @14859 has 199 MA's), (198, 14946), (Start: 228 @14991 has 2 MA's), (237, 15015), (277, 15120), (282, 15126), (290, 15144), (301, 15174), (349, 15279), (383, 15339), (398, 15360), (404, 15369), (415, 15393), (438, 15468), (439, 15471), (481, 15519), (486, 15534), (488, 15540), (501, 15576), (503, 15579), (509, 15591), (510, 15597), (523, 15645), (530, 15657), (531, 15663), (586, 15723), (590, 15735), (606, 15771), (612, 15783), (644, 15858), (647, 15867), (656, 15885), (659, 15891), (671, 15921), (755, 16026), (761, 16035), (764, 16038), (785, 16074), (813, 16152), (844, 16251), (851, 16272), (862, 16305), (877, 16335), (886, 16365), (889, 16374), (891, 16380), (905, 16395), (906, 16398), (916, 16422), (935, 16452), (940, 16464), (947, 16494), (959, 16536),

Gene: ShayRa_31 Start: 19215, Stop: 21002, Start Num: 145

Candidate Starts for ShayRa_31:

(103, 19149), (Start: 128 @19191 has 10 MA's), (Start: 145 @19215 has 749 MA's), (240, 19353), (259, 19410), (304, 19452), (328, 19488), (349, 19527), (391, 19596), (407, 19620), (426, 19674), (488, 19824), (507, 19869), (516, 19899), (527, 19935), (543, 19986), (559, 20022), (587, 20070), (613, 20130), (674, 20259), (701, 20337), (802, 20538), (804, 20544), (833, 20640), (892, 20805), (938, 20904),

Gene: SheaKeira_28 Start: 19728, Stop: 21518, Start Num: 145

Candidate Starts for SheaKeira_28:

(103, 19662), (Start: 128 @19704 has 10 MA's), (Start: 145 @19728 has 749 MA's), (303, 19962), (304, 19965), (347, 20037), (349, 20040), (361, 20055), (363, 20058), (381, 20094), (385, 20100), (425, 20184), (434, 20211), (436, 20217), (470, 20298), (501, 20373), (504, 20379), (507, 20382), (523, 20442), (528, 20451), (609, 20631), (629, 20694), (657, 20745), (675, 20775), (681, 20793), (717, 20901), (779, 21003), (783, 21012), (802, 21051), (808, 21075), (832, 21150), (836, 21165), (865, 21249), (905, 21354), (907, 21360), (950, 21462),

Gene: SheckWes_17 Start: 15415, Stop: 17109, Start Num: 145

Candidate Starts for SheckWes_17:

(Start: 135 @15412 has 8 MA's), (Start: 145 @15415 has 749 MA's), (213, 15514), (Start: 239 @15556 has 1 MA's), (247, 15577), (319, 15694), (379, 15796), (423, 15883), (433, 15913), (442, 15940), (463, 15985), (470, 16003), (481, 16018), (486, 16033), (506, 16090), (516, 16123), (520, 16135), (565, 16222), (582, 16240), (592, 16270), (606, 16300), (613, 16315), (628, 16363), (654, 16414), (675, 16450), (680, 16465), (689, 16483), (708, 16540), (796, 16669), (802, 16681), (844, 16780), (845, 16783), (851, 16801), (881, 16879), (890, 16906), (907, 16948), (961, 17095), (965, 17101),

Gene: ShedlockHolmes_22 Start: 17576, Stop: 19339, Start Num: 145

Candidate Starts for ShedlockHolmes_22:

(Start: 138 @17567 has 25 MA's), (Start: 145 @17576 has 749 MA's), (Start: 166 @17588 has 28 MA's), (219, 17678), (244, 17735), (261, 17786), (276, 17816), (Start: 288 @17840 has 1 MA's), (404, 18071), (409, 18080), (413, 18092), (439, 18173), (443, 18185), (444, 18188), (488, 18260), (491, 18269), (504, 18302), (508, 18308), (520, 18347), (531, 18383), (586, 18473), (613, 18536), (622, 18566), (652, 18623), (693, 18716), (790, 18854), (797, 18872), (812, 18920), (822, 18944), (829, 18971), (847, 19028), (862, 19073), (909, 19175), (947, 19262), (950, 19271), (956, 19292), (960, 19310), (963, 19316), (971, 19331),

Gene: Sheen_29 Start: 22979, Stop: 24781, Start Num: 145

Candidate Starts for Sheen_29:

(Start: 134 @22967 has 40 MA's), (Start: 145 @22979 has 749 MA's), (Start: 191 @23027 has 1 MA's), (201, 23045), (303, 23210), (304, 23213), (349, 23288), (361, 23303), (381, 23342), (436, 23465), (438, 23471), (448, 23504), (470, 23546), (523, 23690), (583, 23816), (616, 23897), (629, 23939), (651, 23987), (674, 24035), (675, 24038), (701, 24113), (708, 24131), (710, 24140), (717, 24164), (720, 24170), (777, 24263), (779, 24266), (795, 24299), (802, 24314), (845, 24455), (896,

24593), (905, 24617), (907, 24623), (951, 24728),

Gene: SheldonCooper_28 Start: 20139, Stop: 21920, Start Num: 145

Candidate Starts for SheldonCooper_28:

(Start: 128 @20115 has 10 MA's), (Start: 145 @20139 has 749 MA's), (Start: 150 @20145 has 25 MA's), (Start: 191 @20199 has 1 MA's), (199, 20214), (233, 20268), (240, 20286), (297, 20370), (303, 20382), (304, 20385), (349, 20460), (361, 20475), (381, 20514), (434, 20631), (470, 20718), (504, 20799), (521, 20847), (528, 20871), (560, 20958), (587, 21003), (617, 21075), (623, 21096), (629, 21114), (675, 21195), (701, 21270), (708, 21288), (710, 21297), (717, 21321), (720, 21327), (731, 21351), (773, 21393), (779, 21405), (791, 21426), (808, 21477), (815, 21501), (833, 21555), (865, 21651), (905, 21756), (909, 21771), (954, 21879), (959, 21897),

Gene: ShereKhan_26 Start: 20729, Stop: 22408, Start Num: 137

Candidate Starts for ShereKhan_26:

(Start: 137 @20729 has 84 MA's), (Start: 197 @20813 has 47 MA's), (Start: 239 @20891 has 1 MA's), (272, 20978), (282, 20993), (301, 21041), (315, 21080), (363, 21167), (380, 21200), (404, 21236), (417, 21266), (418, 21272), (441, 21341), (483, 21371), (487, 21383), (488, 21386), (510, 21443), (587, 21575), (589, 21581), (617, 21647), (620, 21653), (626, 21677), (647, 21725), (659, 21749), (665, 21758), (695, 21833), (761, 21884), (772, 21899), (833, 22061), (841, 22088), (851, 22118), (890, 22223), (938, 22301), (947, 22337), (950, 22346), (959, 22379), (965, 22394),

Gene: ShiLan_16 Start: 14812, Stop: 16521, Start Num: 132

Candidate Starts for ShiLan_16:

(Start: 132 @14812 has 199 MA's), (198, 14899), (Start: 228 @14944 has 2 MA's), (237, 14968), (277, 15073), (282, 15079), (290, 15097), (301, 15127), (349, 15232), (379, 15286), (383, 15292), (389, 15301), (404, 15322), (415, 15346), (425, 15382), (427, 15388), (438, 15421), (439, 15424), (442, 15433), (459, 15448), (467, 15454), (481, 15472), (486, 15487), (488, 15493), (493, 15511), (494, 15514), (501, 15529), (509, 15544), (510, 15550), (523, 15598), (530, 15610), (531, 15616), (586, 15676), (590, 15688), (606, 15724), (612, 15736), (644, 15811), (647, 15820), (656, 15838), (659, 15844), (671, 15874), (755, 15979), (764, 15991), (785, 16027), (813, 16105), (851, 16225), (862, 16258), (877, 16288), (880, 16300), (886, 16318), (888, 16324), (889, 16327), (891, 16333), (905, 16348), (906, 16351), (914, 16372), (916, 16375), (940, 16417), (947, 16447), (959, 16489), (960, 16495),

Gene: ShiaSurprise_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for ShiaSurprise_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Shida_56 Start: 33167, Stop: 34903, Start Num: 118

Candidate Starts for Shida_56:

(Start: 113 @33158 has 2 MA's), (Start: 118 @33167 has 26 MA's), (180, 33257), (244, 33374), (256, 33410), (265, 33431), (277, 33458), (282, 33464), (295, 33494), (303, 33518), (328, 33569), (404, 33707), (408, 33713), (424, 33764), (425, 33767), (431, 33785), (481, 33836), (488, 33857), (489, 33860), (509, 33908), (510, 33914), (523, 33962), (527, 33968), (530, 33974), (575, 34034), (586, 34058), (587, 34061), (606, 34106), (613, 34121), (616, 34130), (620, 34139), (636, 34184), (647, 34202), (665, 34235), (764, 34373), (777, 34394), (806, 34460), (814, 34490), (830, 34544), (844, 34586), (851, 34607), (858, 34628), (862, 34640), (872, 34661), (891, 34715), (938, 34793), (947, 34829), (953, 34850), (960, 34877),

Gene: Shinji_31 Start: 25793, Stop: 27601, Start Num: 90

Candidate Starts for Shinji_31:

(90, 25793), (Start: 107 @25835 has 72 MA's), (Start: 126 @25871 has 1 MA's), (Start: 150 @25904 has 25 MA's), (263, 26114), (265, 26117), (303, 26147), (333, 26213), (349, 26237), (356, 26246), (375, 26279), (443, 26432), (463, 26471), (487, 26522), (491, 26534), (495, 26552), (501, 26564), (506, 26576), (510, 26591), (520, 26621), (521, 26624), (527, 26645), (583, 26717), (602, 26765), (649, 26876), (669, 26909), (686, 26948), (687, 26951), (710, 27023), (753, 27089), (759, 27101), (845, 27272), (846, 27275), (862, 27323), (875, 27350), (884, 27377), (886, 27383), (905, 27431), (951, 27548), (957, 27569), (966, 27596),

Gene: Shipwreck_18 Start: 16086, Stop: 17822, Start Num: 129

Candidate Starts for Shipwreck_18:

(Start: 114 @16062 has 2 MA's), (Start: 129 @16086 has 45 MA's), (174, 16146), (185, 16167), (Start: 187 @16170 has 15 MA's), (250, 16290), (263, 16329), (279, 16362), (291, 16386), (341, 16506), (363, 16545), (365, 16551), (411, 16635), (415, 16641), (418, 16653), (425, 16677), (434, 16704), (441, 16722), (470, 16761), (481, 16767), (489, 16791), (510, 16845), (513, 16857), (517, 16866), (537, 16926), (595, 17004), (612, 17043), (622, 17076), (647, 17142), (654, 17157), (659, 17166), (669, 17190), (686, 17220), (691, 17232), (782, 17334), (788, 17346), (791, 17349), (794, 17355), (796, 17364), (830, 17472), (858, 17556), (898, 17655), (950, 17763), (965, 17811),

Gene: Shivanishola_36 Start: 30875, Stop: 32638, Start Num: 107

Candidate Starts for Shivanishola_36:

(100, 30857), (Start: 107 @30875 has 72 MA's), (Start: 126 @30911 has 1 MA's), (216, 31049), (259, 31145), (265, 31154), (319, 31223), (349, 31274), (376, 31319), (385, 31334), (425, 31415), (440, 31460), (443, 31469), (487, 31559), (495, 31589), (503, 31604), (510, 31628), (520, 31658), (586, 31763), (629, 31880), (644, 31898), (649, 31913), (668, 31943), (674, 31955), (675, 31958), (686, 31985), (845, 32309), (846, 32312), (862, 32360), (875, 32387), (884, 32414), (905, 32468), (913, 32495), (961, 32624),

Gene: Shlim410_20 Start: 17902, Stop: 19482, Start Num: 268

Candidate Starts for Shlim410_20:

(217, 17785), (Start: 268 @17902 has 52 MA's), (418, 18160), (425, 18181), (443, 18235), (459, 18274), (482, 18331), (489, 18352), (582, 18523), (588, 18541), (601, 18565), (608, 18586), (628, 18628), (671, 18709), (705, 18799), (722, 18850), (745, 18901), (748, 18904), (779, 18958), (813, 19048), (913, 19327), (918, 19336), (932, 19366),

Gene: ShortQueendom_26 Start: 21062, Stop: 22843, Start Num: 166

Candidate Starts for ShortQueendom_26:

(Start: 148 @21041 has 202 MA's), (Start: 166 @21062 has 28 MA's), (Start: 191 @21104 has 1 MA's), (215, 21149), (349, 21365), (376, 21410), (381, 21419), (407, 21458), (425, 21509), (426, 21512), (507, 21707), (528, 21776), (616, 21977), (617, 21980), (623, 22001), (674, 22097), (675, 22100), (677, 22106), (701, 22175), (708, 22193), (710, 22202), (720, 22232), (779, 22328), (795, 22361), (802, 22376), (845, 22517), (865, 22574), (907, 22685),

Gene: ShowerHandel_16 Start: 14813, Stop: 16522, Start Num: 132

Candidate Starts for ShowerHandel_16:

(Start: 132 @14813 has 199 MA's), (198, 14900), (Start: 228 @14945 has 2 MA's), (237, 14969), (277, 15074), (282, 15080), (290, 15098), (301, 15128), (349, 15233), (379, 15287), (383, 15293), (389, 15302), (404, 15323), (415, 15347), (425, 15383), (427, 15389), (438, 15422), (439, 15425), (442, 15434), (459, 15449), (467, 15455), (481, 15473), (486, 15488), (488, 15494), (493, 15512), (494, 15515), (501, 15530), (509, 15545), (510, 15551), (523, 15599), (530, 15611), (531, 15617), (586, 15677), (590, 15689), (606, 15725), (612, 15737), (644, 15812), (647, 15821), (656, 15839), (659,

15845), (671, 15875), (755, 15980), (764, 15992), (785, 16028), (813, 16106), (851, 16226), (862, 16259), (877, 16289), (880, 16301), (886, 16319), (888, 16325), (889, 16328), (891, 16334), (905, 16349), (906, 16352), (914, 16373), (916, 16376), (940, 16418), (947, 16448), (959, 16490), (960, 16496),

Gene: ShrimpFriedEgg_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for ShrimpFriedEgg_18:

(Start: 134 @14993 has 40 MA's), (161, 15020), (185, 15059), (Start: 228 @15125 has 2 MA's), (232, 15137), (245, 15173), (254, 15197), (263, 15224), (272, 15245), (277, 15254), (282, 15260), (296, 15293), (379, 15467), (383, 15473), (389, 15482), (395, 15491), (404, 15503), (415, 15527), (427, 15569), (438, 15602), (481, 15653), (482, 15656), (486, 15668), (501, 15710), (509, 15725), (510, 15731), (523, 15779), (554, 15833), (586, 15857), (616, 15929), (636, 15983), (644, 15992), (647, 16001), (659, 16025), (670, 16052), (671, 16055), (755, 16160), (761, 16169), (785, 16208), (814, 16289), (832, 16346), (844, 16385), (886, 16499), (905, 16529), (906, 16532), (916, 16556), (938, 16592),

Gene: ShroomBoi_16 Start: 14841, Stop: 16550, Start Num: 132

Candidate Starts for ShroomBoi_16:

(Start: 132 @14841 has 199 MA's), (198, 14928), (Start: 228 @14973 has 2 MA's), (237, 14997), (277, 15102), (282, 15108), (290, 15126), (301, 15156), (349, 15261), (383, 15321), (398, 15342), (404, 15351), (415, 15375), (481, 15501), (486, 15516), (488, 15522), (501, 15558), (503, 15561), (509, 15573), (510, 15579), (523, 15627), (530, 15639), (531, 15645), (586, 15705), (590, 15717), (606, 15753), (612, 15765), (644, 15840), (647, 15849), (656, 15867), (659, 15873), (671, 15903), (755, 16008), (761, 16017), (764, 16020), (785, 16056), (813, 16134), (844, 16233), (851, 16254), (862, 16287), (877, 16317), (886, 16347), (888, 16353), (889, 16356), (891, 16362), (905, 16377), (906, 16380), (914, 16401), (940, 16446), (947, 16476), (959, 16518), (960, 16524),

Gene: Shuman_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for Shuman_23:

(Start: 162 @16334 has 3 MA's), (Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (481, 16910), (486, 16925), (487, 16928), (501, 16967), (507, 16976), (535, 17060), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (721, 17453), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: Shweta_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Shweta_18:

(Start: 134 @14993 has 40 MA's), (161, 15020), (185, 15059), (Start: 228 @15125 has 2 MA's), (232, 15137), (245, 15173), (254, 15197), (263, 15224), (272, 15245), (277, 15254), (282, 15260), (296, 15293), (379, 15467), (383, 15473), (389, 15482), (395, 15491), (404, 15503), (415, 15527), (427, 15569), (438, 15602), (481, 15653), (482, 15656), (486, 15668), (501, 15710), (509, 15725), (510, 15731), (523, 15779), (554, 15833), (586, 15857), (616, 15929), (636, 15983), (644, 15992), (647, 16001), (659, 16025), (670, 16052), (671, 16055), (755, 16160), (761, 16169), (785, 16208), (814, 16289), (832, 16346), (844, 16385), (886, 16499), (905, 16529), (906, 16532), (916, 16556), (938, 16592),

Gene: Shygu2_27 Start: 19817, Stop: 21616, Start Num: 145

Candidate Starts for Shygu2_27:

(Start: 128 @19793 has 10 MA's), (Start: 145 @19817 has 749 MA's), (Start: 150 @19823 has 25 MA's), (Start: 191 @19877 has 1 MA's), (233, 19946), (261, 20024), (297, 20048), (303, 20060), (304, 20063), (328, 20099), (349, 20138), (361, 20153), (381, 20192), (426, 20285), (434, 20309), (470, 20396), (528, 20549), (560, 20636), (587, 20681), (616, 20750), (623, 20774), (627, 20786), (675, 20873), (701, 20948), (708, 20966), (710, 20975), (717, 20999), (720, 21005), (729, 21020), (749,

21053), (777, 21098), (779, 21101), (791, 21122), (865, 21347), (894, 21425), (905, 21452), (907, 21458), (959, 21593),

Gene: SiSi_16 Start: 14795, Stop: 16504, Start Num: 132

Candidate Starts for SiSi_16:

(Start: 132 @14795 has 199 MA's), (198, 14882), (Start: 228 @14927 has 2 MA's), (237, 14951), (256, 15008), (277, 15056), (282, 15062), (290, 15080), (301, 15110), (349, 15215), (379, 15269), (383, 15275), (389, 15284), (398, 15296), (404, 15305), (415, 15329), (425, 15365), (427, 15371), (431, 15383), (438, 15404), (439, 15407), (442, 15416), (459, 15431), (467, 15437), (481, 15455), (486, 15470), (488, 15476), (493, 15494), (494, 15497), (501, 15512), (509, 15527), (510, 15533), (520, 15563), (523, 15581), (530, 15593), (531, 15599), (586, 15659), (590, 15671), (606, 15707), (612, 15719), (620, 15740), (644, 15794), (647, 15803), (659, 15827), (671, 15857), (755, 15962), (764, 15974), (785, 16010), (803, 16049), (813, 16088), (844, 16187), (851, 16208), (862, 16241), (877, 16271), (886, 16301), (889, 16310), (891, 16316), (905, 16331), (906, 16334), (914, 16355), (916, 16358), (940, 16400), (947, 16430), (959, 16472), (960, 16478),

Gene: Sibs6_29 Start: 21686, Stop: 23488, Start Num: 148

Candidate Starts for Sibs6_29:

(Start: 148 @21686 has 202 MA's), (Start: 166 @21707 has 28 MA's), (Start: 191 @21749 has 1 MA's), (215, 21794), (349, 22010), (376, 22055), (381, 22064), (407, 22103), (425, 22154), (426, 22157), (507, 22352), (528, 22421), (616, 22622), (617, 22625), (623, 22646), (674, 22742), (675, 22745), (677, 22751), (701, 22820), (708, 22838), (710, 22847), (720, 22877), (779, 22973), (795, 23006), (802, 23021), (845, 23162), (865, 23219), (907, 23330),

Gene: Sidious_19 Start: 17289, Stop: 18887, Start Num: 268

Candidate Starts for Sidious_19:

(108, 16992), (Start: 157 @17067 has 12 MA's), (172, 17088), (Start: 268 @17289 has 52 MA's), (338, 17409), (414, 17538), (418, 17547), (424, 17565), (425, 17568), (443, 17622), (496, 17766), (499, 17775), (521, 17838), (532, 17874), (534, 17877), (582, 17910), (605, 17967), (628, 18033), (683, 18144), (694, 18168), (705, 18204), (745, 18306), (779, 18363), (813, 18453), (894, 18693), (932, 18771),

Gene: Silvafighter_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Silvafighter_18:

(Start: 134 @14989 has 40 MA's), (161, 15016), (Start: 228 @15121 has 2 MA's), (232, 15133), (245, 15169), (263, 15220), (277, 15250), (282, 15256), (294, 15283), (296, 15289), (349, 15409), (379, 15463), (383, 15469), (395, 15487), (404, 15499), (406, 15502), (415, 15523), (427, 15565), (438, 15598), (481, 15649), (486, 15664), (501, 15706), (509, 15721), (510, 15727), (523, 15775), (535, 15799), (554, 15829), (586, 15853), (612, 15913), (616, 15925), (636, 15979), (644, 15988), (670, 16048), (671, 16051), (755, 16156), (761, 16165), (785, 16204), (832, 16342), (885, 16492), (886, 16495), (889, 16504), (905, 16525), (916, 16552), (938, 16588), (965, 16681),

Gene: Silverleaf_18 Start: 16746, Stop: 18515, Start Num: 130

Candidate Starts for Silverleaf_18:

(Start: 98 @16683 has 1 MA's), (106, 16704), (Start: 114 @16719 has 2 MA's), (Start: 130 @16746 has 38 MA's), (194, 16839), (Start: 220 @16887 has 45 MA's), (225, 16893), (245, 16920), (246, 16923), (248, 16929), (274, 17001), (281, 17010), (301, 17034), (306, 17049), (323, 17079), (397, 17205), (403, 17214), (413, 17235), (418, 17250), (440, 17319), (451, 17355), (467, 17376), (494, 17445), (510, 17484), (583, 17622), (587, 17634), (616, 17709), (619, 17715), (623, 17733), (638, 17772), (657, 17805), (661, 17814), (669, 17823), (674, 17832), (675, 17835), (716, 17955), (732, 17991), (787, 18039), (794, 18051), (824, 18105), (854, 18201), (859, 18219), (861, 18225), (862, 18228), (879, 18261), (886, 18285), (912, 18348), (932, 18390), (944, 18429), (950, 18447), (956, 18468), (961, 18489),

Gene: Silvy_18 Start: 14990, Stop: 16699, Start Num: 134

Candidate Starts for Silvy_18:

(Start: 134 @14990 has 40 MA's), (161, 15017), (Start: 228 @15122 has 2 MA's), (232, 15134), (245, 15170), (263, 15221), (277, 15251), (282, 15257), (294, 15284), (296, 15290), (349, 15410), (379, 15464), (383, 15470), (395, 15488), (404, 15500), (406, 15503), (415, 15524), (427, 15566), (438, 15599), (481, 15650), (486, 15665), (501, 15707), (509, 15722), (510, 15728), (523, 15776), (535, 15800), (554, 15830), (586, 15854), (612, 15914), (616, 15926), (636, 15980), (644, 15989), (670, 16049), (671, 16052), (755, 16157), (761, 16166), (785, 16205), (832, 16343), (885, 16493), (886, 16496), (889, 16505), (905, 16526), (916, 16553), (938, 16589), (965, 16682),

Gene: Simpliphy_25 Start: 19491, Stop: 21170, Start Num: 137

Candidate Starts for Simpliphy_25:

(Start: 137 @19491 has 84 MA's), (Start: 197 @19575 has 47 MA's), (Start: 239 @19653 has 1 MA's), (272, 19740), (282, 19755), (301, 19803), (315, 19842), (363, 19929), (380, 19962), (404, 19998), (417, 20028), (418, 20034), (441, 20103), (483, 20133), (487, 20145), (488, 20148), (510, 20205), (587, 20337), (589, 20343), (617, 20409), (620, 20415), (626, 20439), (647, 20487), (659, 20511), (665, 20520), (695, 20595), (761, 20646), (772, 20661), (833, 20823), (841, 20850), (851, 20880), (890, 20985), (938, 21063), (947, 21099), (950, 21108), (959, 21141), (965, 21156),

Gene: SimranZ1_17 Start: 14664, Stop: 16373, Start Num: 132

Candidate Starts for SimranZ1_17:

(Start: 132 @14664 has 199 MA's), (198, 14751), (Start: 228 @14796 has 2 MA's), (237, 14820), (277, 14925), (282, 14931), (290, 14949), (301, 14979), (349, 15084), (383, 15144), (404, 15174), (415, 15198), (427, 15240), (438, 15273), (459, 15300), (481, 15324), (486, 15339), (488, 15345), (501, 15381), (503, 15384), (509, 15396), (510, 15402), (523, 15450), (530, 15462), (531, 15468), (586, 15528), (590, 15540), (606, 15576), (612, 15588), (620, 15609), (644, 15663), (647, 15672), (656, 15690), (659, 15696), (671, 15726), (755, 15831), (761, 15840), (764, 15843), (785, 15879), (803, 15918), (813, 15957), (844, 16056), (851, 16077), (862, 16110), (877, 16140), (886, 16170), (888, 16176), (889, 16179), (891, 16185), (905, 16200), (906, 16203), (916, 16227), (940, 16269), (959, 16341),

Gene: SirDuracell_23 Start: 18412, Stop: 20091, Start Num: 137

Candidate Starts for SirDuracell_23:

(Start: 137 @18412 has 84 MA's), (Start: 197 @18496 has 47 MA's), (Start: 239 @18574 has 1 MA's), (272, 18661), (282, 18676), (301, 18724), (315, 18763), (363, 18850), (380, 18883), (404, 18919), (417, 18949), (418, 18955), (441, 19024), (483, 19054), (487, 19066), (488, 19069), (510, 19126), (587, 19258), (589, 19264), (617, 19330), (620, 19336), (626, 19360), (647, 19408), (659, 19432), (665, 19441), (695, 19516), (761, 19567), (772, 19582), (833, 19744), (841, 19771), (851, 19801), (890, 19906), (938, 19984), (947, 20020), (950, 20029), (959, 20062), (965, 20077),

Gene: SirPhilip_22 Start: 16001, Stop: 17767, Start Num: 145

Candidate Starts for SirPhilip_22:

(Start: 121 @15962 has 1 MA's), (Start: 138 @15992 has 25 MA's), (Start: 145 @16001 has 749 MA's), (Start: 170 @16031 has 1 MA's), (185, 16058), (244, 16172), (251, 16190), (261, 16223), (276, 16253), (291, 16286), (338, 16388), (361, 16430), (409, 16511), (439, 16604), (443, 16616), (444, 16619), (464, 16655), (465, 16658), (482, 16673), (486, 16685), (488, 16691), (504, 16733), (508, 16739), (516, 16766), (527, 16802), (586, 16904), (593, 16922), (619, 16982), (628, 17012), (669, 17084), (675, 17096), (758, 17252), (797, 17303), (820, 17369), (823, 17378), (841, 17441), (845, 17453), (862, 17504), (909, 17603), (938, 17654), (961, 17741), (971, 17759),

Gene: Sitar_35 Start: 31965, Stop: 33728, Start Num: 107

Candidate Starts for Sitar_35:

(100, 31947), (Start: 107 @31965 has 72 MA's), (Start: 126 @32001 has 1 MA's), (216, 32139), (259, 32235), (265, 32244), (319, 32313), (349, 32364), (376, 32409), (385, 32424), (425, 32505), (440, 32550), (443, 32559), (487, 32649), (495, 32679), (503, 32694), (510, 32718), (520, 32748), (586, 32853), (629, 32970), (644, 32988), (649, 33003), (668, 33033), (674, 33045), (675, 33048), (686, 33075), (845, 33399), (846, 33402), (862, 33450), (875, 33477), (884, 33504), (905, 33558), (913, 33585), (966, 33723),

Gene: Sixama_99 Start: 59417, Stop: 61093, Start Num: 154

Candidate Starts for Sixama_99:

(Start: 154 @59417 has 21 MA's), (175, 59450), (251, 59600), (252, 59603), (263, 59636), (279, 59666), (282, 59669), (381, 59879), (402, 59909), (419, 59951), (423, 59966), (424, 59969), (487, 60065), (500, 60101), (676, 60461), (691, 60497), (779, 60593), (788, 60611), (799, 60635), (824, 60713), (917, 60953), (959, 61067), (965, 61082),

Gene: Sizemore_18 Start: 16641, Stop: 18404, Start Num: 138

Candidate Starts for Sizemore_18:

(Start: 138 @16641 has 25 MA's), (Start: 164 @16650 has 42 MA's), (Start: 168 @16656 has 2 MA's), (172, 16662), (244, 16794), (261, 16845), (276, 16875), (Start: 288 @16899 has 1 MA's), (335, 17001), (353, 17040), (357, 17046), (365, 17061), (392, 17106), (439, 17226), (466, 17283), (488, 17322), (508, 17370), (516, 17397), (520, 17409), (548, 17490), (586, 17535), (675, 17733), (687, 17763), (693, 17781), (701, 17808), (760, 17892), (778, 17910), (792, 17925), (808, 17973), (812, 17988), (833, 18051), (851, 18108), (865, 18147), (882, 18189), (909, 18240), (950, 18336), (971, 18396),

Gene: SketchMex_17 Start: 15377, Stop: 17077, Start Num: 135

Candidate Starts for SketchMex_17:

(Start: 121 @15350 has 1 MA's), (Start: 135 @15377 has 8 MA's), (Start: 145 @15380 has 749 MA's), (263, 15590), (376, 15758), (379, 15764), (430, 15872), (433, 15881), (442, 15908), (451, 15938), (463, 15953), (481, 15986), (485, 15998), (495, 16034), (516, 16091), (520, 16103), (606, 16268), (675, 16418), (680, 16433), (689, 16451), (708, 16508), (796, 16637), (802, 16649), (807, 16667), (818, 16676), (844, 16748), (845, 16751), (847, 16757), (851, 16769), (890, 16874), (893, 16883), (907, 16916),

Gene: SkiPole_29 Start: 21425, Stop: 23227, Start Num: 148

Candidate Starts for SkiPole_29:

(Start: 148 @21425 has 202 MA's), (Start: 166 @21446 has 28 MA's), (Start: 191 @21488 has 1 MA's), (215, 21533), (349, 21749), (376, 21794), (381, 21803), (425, 21893), (426, 21896), (463, 21989), (507, 22091), (528, 22160), (612, 22349), (616, 22361), (617, 22364), (623, 22385), (674, 22481), (675, 22484), (677, 22490), (701, 22559), (708, 22577), (710, 22586), (720, 22616), (779, 22712), (795, 22745), (802, 22760), (845, 22901), (865, 22958), (907, 23069), (966, 23222),

Gene: Skinny_29 Start: 22368, Stop: 24104, Start Num: 147

Candidate Starts for Skinny_29:

(66, 22146), (Start: 115 @22326 has 3 MA's), (Start: 124 @22341 has 2 MA's), (Start: 147 @22368 has 14 MA's), (Start: 166 @22383 has 28 MA's), (189, 22422), (205, 22452), (207, 22458), (215, 22470), (271, 22575), (274, 22590), (303, 22629), (372, 22752), (376, 22761), (423, 22857), (437, 22899), (438, 22902), (510, 23079), (552, 23190), (583, 23217), (609, 23289), (612, 23298), (613, 23301), (617, 23313), (674, 23433), (675, 23436), (691, 23478), (700, 23508), (703, 23514), (783, 23634), (787, 23640), (936, 23994), (944, 24021), (950, 24039), (952, 24048),

Gene: SkinnyPete_18 Start: 14990, Stop: 16699, Start Num: 134

Candidate Starts for SkinnyPete_18:

(Start: 134 @14990 has 40 MA's), (161, 15017), (185, 15056), (Start: 228 @15122 has 2 MA's), (232, 15134), (245, 15170), (254, 15194), (263, 15221), (272, 15242), (277, 15251), (282, 15257), (296, 15290), (379, 15464), (383, 15470), (389, 15479), (395, 15488), (404, 15500), (415, 15524), (427, 15566), (438, 15599), (481, 15650), (482, 15653), (486, 15665), (501, 15707), (509, 15722), (510, 15728), (523, 15776), (554, 15830), (586, 15854), (616, 15926), (636, 15980), (644, 15989), (647, 15998), (659, 16022), (670, 16049), (671, 16052), (755, 16157), (761, 16166), (785, 16205), (814, 16286), (832, 16343), (844, 16382), (886, 16496), (905, 16526), (906, 16529), (916, 16553), (938, 16589),

Gene: Skipitt_27 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for Skipitt_27:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (833, 21237), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: Skysand_43 Start: 30914, Stop: 32536, Start Num: 260

Candidate Starts for Skysand_43:

(Start: 260 @30914 has 35 MA's), (322, 31031), (363, 31109), (443, 31271), (447, 31283), (452, 31298), (484, 31364), (489, 31379), (527, 31490), (538, 31520), (539, 31523), (572, 31580), (604, 31652), (633, 31736), (643, 31757), (688, 31844), (704, 31892), (756, 32018), (757, 32021), (780, 32054), (810, 32111), (851, 32240), (865, 32279), (920, 32384), (943, 32447), (947, 32459), (951, 32471), (953, 32480), (964, 32516),

Gene: Slagathor_28 Start: 21029, Stop: 22831, Start Num: 148

Candidate Starts for Slagathor_28:

(Start: 148 @21029 has 202 MA's), (Start: 166 @21050 has 28 MA's), (Start: 191 @21092 has 1 MA's), (215, 21137), (349, 21353), (376, 21398), (381, 21407), (407, 21446), (425, 21497), (426, 21500), (507, 21695), (528, 21764), (552, 21824), (557, 21836), (616, 21965), (617, 21968), (623, 21989), (674, 22085), (675, 22088), (677, 22094), (701, 22163), (708, 22181), (710, 22190), (720, 22220), (779, 22316), (795, 22349), (802, 22364), (845, 22505), (865, 22562), (907, 22673),

Gene: Slarp_24 Start: 18633, Stop: 20420, Start Num: 145

Candidate Starts for Slarp_24:

(Start: 121 @18594 has 1 MA's), (Start: 138 @18624 has 25 MA's), (Start: 143 @18630 has 53 MA's), (Start: 145 @18633 has 749 MA's), (Start: 193 @18690 has 1 MA's), (222, 18738), (Start: 239 @18777 has 1 MA's), (244, 18792), (251, 18810), (261, 18843), (276, 18873), (298, 18918), (304, 18936), (338, 19008), (341, 19014), (357, 19044), (395, 19110), (404, 19122), (456, 19257), (486, 19305), (488, 19311), (493, 19329), (508, 19359), (520, 19398), (586, 19524), (612, 19584), (613, 19587), (620, 19605), (623, 19620), (693, 19788), (710, 19842), (754, 19887), (781, 19932), (797, 19956), (808, 19989), (820, 20022), (841, 20094), (845, 20106), (862, 20157), (865, 20163), (914, 20265), (960, 20391), (971, 20412),

Gene: Sleepyhead_18 Start: 15726, Stop: 17306, Start Num: 197

Candidate Starts for Sleepyhead_18:

(Start: 197 @15726 has 47 MA's), (Start: 239 @15813 has 1 MA's), (261, 15879), (326, 16026), (331, 16041), (371, 16119), (387, 16146), (525, 16431), (535, 16452), (616, 16581), (619, 16587), (652, 16647), (667, 16674), (668, 16677), (687, 16710), (691, 16722), (700, 16752), (755, 16782), (771, 16803), (779, 16818), (824, 16938), (865, 17058), (869, 17070),

Gene: SlimJimmy_27 Start: 22354, Stop: 24090, Start Num: 147

Candidate Starts for SlimJimmy_27:

(66, 22132), (Start: 115 @22312 has 3 MA's), (Start: 124 @22327 has 2 MA's), (Start: 147 @22354 has 14 MA's), (Start: 166 @22369 has 28 MA's), (189, 22408), (205, 22438), (207, 22444), (215, 22456), (271, 22561), (274, 22576), (303, 22615), (372, 22738), (376, 22747), (423, 22843), (437, 22885), (438, 22888), (510, 23065), (552, 23176), (583, 23203), (609, 23275), (612, 23284), (613, 23287), (617, 23299), (674, 23419), (675, 23422), (691, 23464), (700, 23494), (703, 23500), (783, 23620), (787, 23626), (936, 23980), (944, 24007), (950, 24025), (952, 24034),

Gene: Slimphazie_23 Start: 17155, Stop: 18921, Start Num: 145

Candidate Starts for Slimphazie_23:

(Start: 145 @17155 has 749 MA's), (Start: 170 @17185 has 1 MA's), (251, 17344), (261, 17377), (276, 17407), (291, 17440), (298, 17452), (338, 17542), (361, 17584), (404, 17656), (409, 17665), (422, 17704), (436, 17749), (443, 17770), (444, 17773), (482, 17827), (488, 17845), (504, 17887), (508, 17893), (516, 17920), (586, 18058), (593, 18076), (612, 18118), (619, 18136), (628, 18166), (647, 18193), (693, 18298), (797, 18457), (809, 18493), (820, 18523), (823, 18532), (845, 18607), (862, 18658), (909, 18757), (950, 18853), (960, 18892), (961, 18895), (971, 18913),

Gene: Smairt_28 Start: 21861, Stop: 23663, Start Num: 148

Candidate Starts for Smairt_28:

(Start: 148 @21861 has 202 MA's), (Start: 166 @21882 has 28 MA's), (Start: 191 @21924 has 1 MA's), (215, 21969), (349, 22185), (376, 22230), (381, 22239), (425, 22329), (426, 22332), (507, 22527), (528, 22596), (612, 22785), (616, 22797), (617, 22800), (623, 22821), (674, 22917), (675, 22920), (677, 22926), (701, 22995), (708, 23013), (710, 23022), (720, 23052), (779, 23148), (795, 23181), (802, 23196), (845, 23337), (865, 23394), (907, 23505), (966, 23658),

Gene: Smeadley_24 Start: 18652, Stop: 20442, Start Num: 145

Candidate Starts for Smeadley_24:

(Start: 128 @18628 has 10 MA's), (Start: 145 @18652 has 749 MA's), (213, 18745), (240, 18790), (304, 18889), (328, 18925), (349, 18964), (361, 18979), (379, 19015), (434, 19135), (436, 19141), (488, 19261), (535, 19390), (560, 19462), (616, 19576), (708, 19792), (717, 19825), (779, 19927), (795, 19960), (802, 19975), (810, 20005), (904, 20275), (907, 20284), (909, 20293), (956, 20407),

Gene: Smeagan_30 Start: 20692, Stop: 22464, Start Num: 145

Candidate Starts for Smeagan_30:

(103, 20626), (Start: 128 @20668 has 10 MA's), (Start: 145 @20692 has 749 MA's), (216, 20791), (256, 20875), (297, 20914), (303, 20926), (304, 20929), (347, 21001), (349, 21004), (381, 21058), (407, 21097), (434, 21175), (470, 21262), (504, 21343), (507, 21346), (582, 21532), (617, 21619), (668, 21724), (675, 21739), (717, 21865), (720, 21871), (757, 21919), (802, 21997), (804, 22003), (821, 22057), (832, 22096), (836, 22111), (865, 22195), (896, 22276), (907, 22306),

Gene: Smeagol_29 Start: 22440, Stop: 24242, Start Num: 148

Candidate Starts for Smeagol_29:

(Start: 148 @22440 has 202 MA's), (Start: 166 @22461 has 28 MA's), (Start: 191 @22503 has 1 MA's), (215, 22548), (349, 22764), (376, 22809), (381, 22818), (407, 22857), (426, 22911), (507, 23106), (528, 23175), (616, 23376), (617, 23379), (623, 23400), (674, 23496), (675, 23499), (677, 23505), (701, 23574), (708, 23592), (710, 23601), (720, 23631), (779, 23727), (795, 23760), (802, 23775), (845, 23916), (865, 23973), (907, 24084), (966, 24237),

Gene: SmellyB_31 Start: 19976, Stop: 21748, Start Num: 145

Candidate Starts for SmellyB_31:

(103, 19910), (Start: 128 @19952 has 10 MA's), (Start: 145 @19976 has 749 MA's), (240, 20114), (261, 20174), (304, 20213), (347, 20285), (349, 20288), (363, 20306), (381, 20342), (385, 20348),

(434, 20459), (436, 20465), (470, 20546), (488, 20585), (504, 20627), (507, 20630), (523, 20690), (624, 20927), (629, 20942), (675, 21023), (720, 21155), (802, 21281), (817, 21332), (821, 21341), (832, 21380), (833, 21383), (836, 21395), (865, 21479), (905, 21584), (907, 21590), (959, 21725),

Gene: SmokingBunny_31 Start: 25850, Stop: 27616, Start Num: 107

Candidate Starts for SmokingBunny_31:

(90, 25808), (Start: 107 @25850 has 72 MA's), (Start: 126 @25886 has 1 MA's), (Start: 150 @25919 has 25 MA's), (263, 26129), (265, 26132), (303, 26162), (333, 26228), (349, 26252), (356, 26261), (375, 26294), (443, 26447), (463, 26486), (487, 26537), (491, 26549), (495, 26567), (501, 26579), (506, 26591), (510, 26606), (520, 26636), (521, 26639), (527, 26660), (583, 26732), (602, 26780), (649, 26891), (669, 26924), (686, 26963), (687, 26966), (710, 27038), (753, 27104), (759, 27116), (845, 27287), (846, 27290), (862, 27338), (875, 27365), (884, 27392), (886, 27398), (905, 27446), (951, 27563), (957, 27584), (966, 27611),

Gene: Smooch_59 Start: 35189, Stop: 36925, Start Num: 118

Candidate Starts for Smooch_59:

(Start: 113 @35180 has 2 MA's), (Start: 118 @35189 has 26 MA's), (180, 35279), (244, 35396), (256, 35432), (265, 35453), (277, 35480), (282, 35486), (295, 35516), (303, 35540), (328, 35591), (404, 35729), (408, 35735), (424, 35786), (425, 35789), (431, 35807), (481, 35858), (488, 35879), (489, 35882), (509, 35930), (510, 35936), (523, 35984), (527, 35990), (530, 35996), (575, 36056), (586, 36080), (587, 36083), (606, 36128), (613, 36143), (616, 36152), (620, 36161), (636, 36206), (647, 36224), (665, 36257), (764, 36395), (777, 36416), (788, 36437), (806, 36482), (814, 36512), (830, 36566), (844, 36608), (851, 36629), (858, 36650), (862, 36662), (872, 36683), (891, 36737), (938, 36815), (947, 36851), (953, 36872), (960, 36899),

Gene: Smoothie_49 Start: 29612, Stop: 31303, Start Num: 154

Candidate Starts for Smoothie_49:

(Start: 154 @29612 has 21 MA's), (Start: 193 @29672 has 1 MA's), (208, 29705), (Start: 228 @29735 has 2 MA's), (229, 29738), (291, 29897), (295, 29906), (351, 30035), (378, 30083), (510, 30296), (511, 30302), (520, 30326), (600, 30455), (606, 30476), (620, 30509), (695, 30707), (810, 30860), (841, 30959), (845, 30971), (848, 30980), (880, 31064), (948, 31211), (958, 31247),

Gene: Smurph_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Smurph_18:

(Start: 134 @14989 has 40 MA's), (161, 15016), (Start: 228 @15121 has 2 MA's), (232, 15133), (245, 15169), (263, 15220), (277, 15250), (282, 15256), (294, 15283), (296, 15289), (349, 15409), (379, 15463), (383, 15469), (395, 15487), (404, 15499), (406, 15502), (415, 15523), (427, 15565), (438, 15598), (481, 15649), (486, 15664), (501, 15706), (509, 15721), (510, 15727), (523, 15775), (535, 15799), (554, 15829), (586, 15853), (612, 15913), (616, 15925), (636, 15979), (644, 15988), (670, 16048), (671, 16051), (755, 16156), (761, 16165), (785, 16204), (832, 16342), (885, 16492), (886, 16495), (889, 16504), (905, 16525), (916, 16552), (938, 16588), (965, 16681),

Gene: SnapTap_28 Start: 20118, Stop: 21890, Start Num: 145

Candidate Starts for SnapTap_28:

(103, 20052), (Start: 128 @20094 has 10 MA's), (Start: 145 @20118 has 749 MA's), (256, 20301), (303, 20352), (304, 20355), (347, 20427), (349, 20430), (381, 20484), (407, 20523), (423, 20568), (434, 20601), (470, 20688), (504, 20769), (507, 20772), (617, 21045), (675, 21165), (757, 21345), (795, 21408), (802, 21423), (804, 21429), (821, 21483), (832, 21522), (836, 21537), (865, 21621), (907, 21732), (959, 21867),

Gene: Snape_28 Start: 20752, Stop: 22551, Start Num: 145

Candidate Starts for Snape_28:

(103, 20686), (Start: 128 @20728 has 10 MA's), (Start: 145 @20752 has 749 MA's), (185, 20794), (240, 20890), (246, 20905), (303, 20986), (304, 20989), (349, 21064), (361, 21079), (381, 21118), (385, 21124), (415, 21175), (434, 21235), (436, 21241), (470, 21322), (507, 21406), (551, 21532), (558, 21550), (574, 21577), (629, 21718), (668, 21784), (674, 21796), (675, 21799), (749, 21988), (765, 22015), (773, 22024), (783, 22045), (785, 22048), (795, 22069), (802, 22084), (808, 22108), (832, 22183), (836, 22198), (865, 22282), (905, 22387), (907, 22393), (935, 22447), (966, 22546),

Gene: Snazzy_26 Start: 21047, Stop: 22849, Start Num: 148

Candidate Starts for Snazzy_26:

(Start: 148 @21047 has 202 MA's), (Start: 166 @21068 has 28 MA's), (Start: 191 @21110 has 1 MA's), (215, 21155), (349, 21371), (376, 21416), (381, 21425), (407, 21464), (425, 21515), (426, 21518), (507, 21713), (528, 21782), (616, 21983), (617, 21986), (623, 22007), (674, 22103), (675, 22106), (677, 22112), (701, 22181), (708, 22199), (710, 22208), (720, 22238), (779, 22334), (795, 22367), (802, 22382), (845, 22523), (865, 22580), (907, 22691), (966, 22844),

Gene: Sneeze_18 Start: 16647, Stop: 18410, Start Num: 138

Candidate Starts for Sneeze_18:

(Start: 138 @16647 has 25 MA's), (Start: 164 @16656 has 42 MA's), (Start: 168 @16662 has 2 MA's), (172, 16668), (222, 16746), (244, 16800), (261, 16851), (276, 16881), (Start: 288 @16905 has 1 MA's), (335, 17007), (353, 17046), (357, 17052), (365, 17067), (439, 17232), (466, 17289), (488, 17328), (504, 17370), (508, 17376), (520, 17415), (565, 17514), (586, 17541), (675, 17739), (687, 17769), (693, 17787), (701, 17814), (760, 17898), (778, 17916), (792, 17931), (808, 17979), (812, 17994), (833, 18057), (840, 18081), (851, 18114), (865, 18153), (882, 18195), (950, 18342), (971, 18402),

Gene: Snekmaggedon_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Snekmaggedon_18:

(Start: 134 @14993 has 40 MA's), (161, 15020), (185, 15059), (Start: 228 @15125 has 2 MA's), (232, 15137), (245, 15173), (254, 15197), (263, 15224), (272, 15245), (277, 15254), (282, 15260), (296, 15293), (379, 15467), (383, 15473), (389, 15482), (395, 15491), (404, 15503), (415, 15527), (427, 15569), (438, 15602), (481, 15653), (482, 15656), (486, 15668), (501, 15710), (509, 15725), (510, 15731), (523, 15779), (554, 15833), (586, 15857), (616, 15929), (636, 15983), (644, 15992), (647, 16001), (659, 16025), (670, 16052), (671, 16055), (755, 16160), (761, 16169), (785, 16208), (814, 16289), (832, 16346), (844, 16385), (886, 16499), (905, 16529), (906, 16532), (916, 16556), (938, 16592),

Gene: Snenia_19 Start: 17374, Stop: 19137, Start Num: 130

Candidate Starts for Snenia_19:

(Start: 130 @17374 has 38 MA's), (155, 17401), (194, 17464), (Start: 220 @17512 has 45 MA's), (225, 17518), (248, 17554), (276, 17629), (297, 17653), (301, 17659), (329, 17716), (397, 17830), (405, 17842), (443, 17953), (507, 18097), (510, 18109), (521, 18142), (616, 18331), (619, 18337), (638, 18394), (661, 18436), (669, 18445), (675, 18457), (701, 18532), (729, 18601), (732, 18613), (787, 18661), (824, 18727), (847, 18805), (862, 18850), (886, 18907), (912, 18970), (930, 19006), (936, 19021), (944, 19051), (946, 19057), (950, 19069), (952, 19078), (956, 19090),

Gene: Snickers_29 Start: 20353, Stop: 22149, Start Num: 145

Candidate Starts for Snickers_29:

(Start: 145 @20353 has 749 MA's), (Start: 191 @20410 has 1 MA's), (199, 20425), (233, 20479), (Start: 239 @20494 has 1 MA's), (297, 20581), (303, 20593), (304, 20596), (349, 20671), (361, 20686), (379, 20722), (470, 20929), (528, 21082), (560, 21169), (616, 21283), (623, 21307), (629, 21325), (675, 21406), (701, 21481), (708, 21499), (717, 21532), (720, 21538), (739, 21577), (777, 21631), (779, 21634), (791, 21655), (810, 21712), (865, 21880), (905, 21985), (907, 21991), (959, 22126), (966, 22144),

Gene: SoSeph_21 Start: 17643, Stop: 19415, Start Num: 150

Candidate Starts for SoSeph_21:

(Start: 150 @17643 has 25 MA's), (155, 17649), (172, 17673), (Start: 193 @17706 has 1 MA's), (222, 17754), (244, 17808), (261, 17859), (291, 17922), (341, 18030), (404, 18138), (443, 18252), (444, 18255), (465, 18294), (482, 18309), (486, 18321), (488, 18327), (501, 18363), (504, 18369), (508, 18375), (520, 18414), (527, 18438), (586, 18540), (613, 18603), (627, 18648), (693, 18783), (754, 18882), (802, 18960), (808, 18984), (814, 19005), (822, 19023), (845, 19101), (847, 19107), (914, 19260), (955, 19365), (956, 19368), (960, 19386),

Gene: SoYo_29 Start: 20290, Stop: 22086, Start Num: 145

Candidate Starts for SoYo_29:

(Start: 145 @20290 has 749 MA's), (Start: 191 @20347 has 1 MA's), (199, 20362), (216, 20395), (233, 20416), (Start: 239 @20431 has 1 MA's), (297, 20518), (303, 20530), (304, 20533), (349, 20608), (361, 20623), (379, 20659), (470, 20866), (516, 20980), (528, 21019), (560, 21106), (616, 21220), (623, 21244), (629, 21262), (675, 21343), (701, 21418), (708, 21436), (717, 21469), (720, 21475), (739, 21514), (777, 21568), (779, 21571), (791, 21592), (810, 21649), (865, 21817), (905, 21922), (907, 21928), (959, 22063),

Gene: SoilAssassin_17 Start: 14751, Stop: 16460, Start Num: 269

Candidate Starts for SoilAssassin_17:

(208, 14616), (Start: 269 @14751 has 31 MA's), (359, 14940), (361, 14943), (405, 15018), (429, 15072), (452, 15141), (459, 15153), (489, 15231), (490, 15234), (532, 15366), (547, 15420), (567, 15471), (581, 15501), (605, 15561), (610, 15573), (628, 15609), (688, 15726), (694, 15744), (707, 15783), (745, 15879), (803, 15987), (893, 16263), (894, 16266), (918, 16314), (932, 16344),

Gene: SoilDragon_29 Start: 20067, Stop: 21863, Start Num: 145

Candidate Starts for SoilDragon_29:

(Start: 145 @20067 has 749 MA's), (Start: 191 @20124 has 1 MA's), (199, 20139), (216, 20172), (233, 20193), (Start: 239 @20208 has 1 MA's), (297, 20295), (303, 20307), (304, 20310), (349, 20385), (361, 20400), (379, 20436), (470, 20643), (528, 20796), (560, 20883), (616, 20997), (623, 21021), (629, 21039), (675, 21120), (701, 21195), (708, 21213), (717, 21246), (720, 21252), (739, 21291), (777, 21345), (779, 21348), (791, 21369), (810, 21426), (865, 21594), (905, 21699), (907, 21705), (959, 21840),

Gene: Solon_27 Start: 21712, Stop: 23514, Start Num: 148

Candidate Starts for Solon_27:

(Start: 148 @21712 has 202 MA's), (Start: 166 @21733 has 28 MA's), (Start: 191 @21775 has 1 MA's), (215, 21820), (349, 22036), (376, 22081), (381, 22090), (407, 22129), (425, 22180), (426, 22183), (463, 22276), (507, 22378), (528, 22447), (616, 22648), (617, 22651), (623, 22672), (674, 22768), (675, 22771), (677, 22777), (701, 22846), (708, 22864), (710, 22873), (720, 22903), (779, 22999), (795, 23032), (802, 23047), (845, 23188), (865, 23245), (907, 23356),

Gene: Sonah_19 Start: 16375, Stop: 18111, Start Num: 129

Candidate Starts for Sonah_19:

(Start: 114 @16351 has 2 MA's), (Start: 129 @16375 has 45 MA's), (174, 16435), (185, 16456), (Start: 187 @16459 has 15 MA's), (250, 16579), (263, 16618), (279, 16651), (291, 16675), (341, 16795), (363, 16834), (365, 16840), (411, 16924), (415, 16930), (418, 16942), (425, 16966), (434, 16993), (441, 17011), (470, 17050), (481, 17056), (489, 17080), (510, 17134), (513, 17146), (517, 17155), (537, 17215), (595, 17293), (612, 17332), (622, 17365), (647, 17431), (654, 17446), (659, 17455), (669, 17479), (686, 17509), (691, 17521), (782, 17623), (788, 17635), (791, 17638), (794, 17644), (796, 17653), (830, 17761), (858, 17845), (898, 17944), (950, 18052), (965, 18100),

Gene: Sopespian_18 Start: 15730, Stop: 17430, Start Num: 135

Candidate Starts for Sopespian_18:

(Start: 135 @15730 has 8 MA's), (Start: 145 @15733 has 749 MA's), (263, 15943), (349, 16066), (379, 16117), (423, 16204), (426, 16213), (433, 16234), (438, 16249), (442, 16261), (481, 16339), (485, 16351), (493, 16378), (506, 16411), (516, 16444), (520, 16456), (535, 16498), (606, 16621), (632, 16693), (675, 16771), (680, 16786), (689, 16804), (708, 16861), (779, 16954), (796, 16990), (802, 17002), (804, 17008), (807, 17020), (818, 17029), (844, 17101), (845, 17104), (847, 17110), (851, 17122), (875, 17182), (890, 17227), (893, 17236), (907, 17269), (940, 17335),

Gene: SophKB_24 Start: 19745, Stop: 21424, Start Num: 137

Candidate Starts for SophKB_24:

(Start: 137 @19745 has 84 MA's), (Start: 197 @19829 has 47 MA's), (Start: 239 @19907 has 1 MA's), (272, 19994), (282, 20009), (301, 20057), (315, 20096), (363, 20183), (380, 20216), (404, 20252), (417, 20282), (418, 20288), (441, 20357), (483, 20387), (487, 20399), (488, 20402), (510, 20459), (587, 20591), (589, 20597), (617, 20663), (620, 20669), (626, 20693), (647, 20741), (659, 20765), (665, 20774), (695, 20849), (761, 20900), (772, 20915), (833, 21077), (841, 21104), (851, 21134), (890, 21239), (938, 21317), (947, 21353), (950, 21362), (959, 21395), (965, 21410),

Gene: SororFago_28 Start: 19411, Stop: 21210, Start Num: 145

Candidate Starts for SororFago_28:

(Start: 143 @19408 has 53 MA's), (Start: 145 @19411 has 749 MA's), (Start: 239 @19546 has 1 MA's), (265, 19615), (304, 19648), (323, 19678), (347, 19720), (349, 19723), (385, 19783), (434, 19894), (448, 19939), (470, 19981), (501, 20056), (504, 20062), (507, 20065), (523, 20125), (562, 20227), (609, 20314), (617, 20338), (675, 20458), (753, 20656), (802, 20743), (804, 20749), (832, 20842), (905, 21046), (907, 21052),

Gene: Sorpresa_26 Start: 21059, Stop: 22861, Start Num: 148

Candidate Starts for Sorpresa_26:

(Start: 148 @21059 has 202 MA's), (Start: 166 @21080 has 28 MA's), (Start: 191 @21122 has 1 MA's), (349, 21383), (376, 21428), (381, 21437), (407, 21476), (425, 21527), (426, 21530), (507, 21725), (528, 21794), (616, 21995), (617, 21998), (623, 22019), (674, 22115), (675, 22118), (677, 22124), (701, 22193), (708, 22211), (710, 22220), (720, 22250), (779, 22346), (795, 22379), (802, 22394), (845, 22535), (865, 22592), (907, 22703),

Gene: Soshari_31 Start: 20462, Stop: 22258, Start Num: 145

Candidate Starts for Soshari_31:

(Start: 145 @20462 has 749 MA's), (Start: 191 @20519 has 1 MA's), (199, 20534), (216, 20567), (233, 20588), (Start: 239 @20603 has 1 MA's), (297, 20690), (303, 20702), (304, 20705), (349, 20780), (361, 20795), (379, 20831), (470, 21038), (516, 21152), (528, 21191), (560, 21278), (616, 21392), (623, 21416), (629, 21434), (675, 21515), (701, 21590), (708, 21608), (717, 21641), (720, 21647), (739, 21686), (777, 21740), (779, 21743), (791, 21764), (810, 21821), (865, 21989), (905, 22094), (907, 22100), (959, 22235),

Gene: Sotrice96_24 Start: 19701, Stop: 21380, Start Num: 137

Candidate Starts for Sotrice96_24:

(Start: 137 @19701 has 84 MA's), (Start: 197 @19785 has 47 MA's), (Start: 239 @19863 has 1 MA's), (272, 19950), (282, 19965), (301, 20013), (315, 20052), (363, 20139), (380, 20172), (404, 20208), (417, 20238), (418, 20244), (441, 20313), (483, 20343), (487, 20355), (488, 20358), (510, 20415), (587, 20547), (589, 20553), (617, 20619), (620, 20625), (626, 20649), (647, 20697), (659, 20721), (665, 20730), (695, 20805), (761, 20856), (772, 20871), (833, 21033), (841, 21060), (851, 21090), (890, 21195), (938, 21273), (947, 21309), (950, 21318), (959, 21351), (965, 21366),

Gene: Soul22_19 Start: 13742, Stop: 15406, Start Num: 150

Candidate Starts for Soul22_19:

(Start: 150 @13742 has 25 MA's), (204, 13823), (Start: 220 @13853 has 45 MA's), (236, 13874), (240, 13886), (265, 13952), (306, 13991), (310, 14003), (323, 14027), (358, 14084), (360, 14087), (373, 14111), (376, 14117), (377, 14120), (407, 14165), (415, 14183), (426, 14219), (470, 14330), (488, 14366), (495, 14393), (501, 14405), (503, 14408), (516, 14450), (520, 14462), (527, 14486), (574, 14540), (616, 14639), (658, 14732), (675, 14759), (679, 14771), (700, 14816), (708, 14837), (710, 14846), (773, 14918), (845, 15080), (846, 15083), (847, 15086), (890, 15203), (907, 15245), (943, 15329), (957, 15374), (961, 15392),

Gene: Soups_30 Start: 19215, Stop: 21002, Start Num: 145

Candidate Starts for Soups_30:

(103, 19149), (Start: 128 @19191 has 10 MA's), (Start: 145 @19215 has 749 MA's), (240, 19353), (259, 19410), (304, 19452), (328, 19488), (349, 19527), (391, 19596), (407, 19620), (426, 19674), (488, 19824), (507, 19869), (516, 19899), (527, 19935), (543, 19986), (559, 20022), (587, 20070), (613, 20130), (674, 20259), (701, 20337), (802, 20538), (804, 20544), (833, 20640), (892, 20805), (938, 20904),

Gene: Sparkdehlily_16 Start: 14836, Stop: 16545, Start Num: 132

Candidate Starts for Sparkdehlily_16:

(Start: 132 @14836 has 199 MA's), (198, 14923), (Start: 228 @14968 has 2 MA's), (237, 14992), (256, 15049), (277, 15097), (282, 15103), (290, 15121), (301, 15151), (349, 15256), (379, 15310), (383, 15316), (389, 15325), (404, 15346), (415, 15370), (425, 15406), (427, 15412), (438, 15445), (439, 15448), (442, 15457), (459, 15472), (467, 15478), (481, 15496), (486, 15511), (488, 15517), (493, 15535), (494, 15538), (501, 15553), (509, 15568), (510, 15574), (523, 15622), (530, 15634), (531, 15640), (586, 15700), (590, 15712), (606, 15748), (612, 15760), (644, 15835), (647, 15844), (656, 15862), (659, 15868), (671, 15898), (755, 16003), (764, 16015), (785, 16051), (813, 16129), (851, 16249), (862, 16282), (877, 16312), (880, 16324), (886, 16342), (888, 16348), (889, 16351), (891, 16357), (905, 16372), (906, 16375), (914, 16396), (916, 16399), (940, 16441), (947, 16471), (959, 16513), (960, 16519),

Gene: Sparky_16 Start: 16144, Stop: 17859, Start Num: 160

Candidate Starts for Sparky_16:

(Start: 160 @16144 has 2 MA's), (167, 16153), (246, 16279), (274, 16357), (278, 16363), (281, 16366), (304, 16399), (329, 16447), (331, 16453), (372, 16519), (391, 16552), (403, 16570), (437, 16666), (488, 16780), (510, 16837), (516, 16855), (527, 16891), (583, 16972), (586, 16981), (616, 17059), (627, 17095), (675, 17185), (703, 17260), (787, 17386), (830, 17476), (864, 17578), (912, 17707), (936, 17749), (944, 17776), (952, 17803), (956, 17815), (957, 17818), (965, 17842),

Gene: Sparxx_27 Start: 19825, Stop: 21603, Start Num: 145

Candidate Starts for Sparxx_27:

(Start: 128 @19801 has 10 MA's), (Start: 145 @19825 has 749 MA's), (Start: 191 @19882 has 1 MA's), (Start: 220 @19936 has 45 MA's), (233, 19951), (240, 19969), (297, 20053), (303, 20065), (304, 20068), (349, 20143), (361, 20158), (381, 20197), (434, 20314), (470, 20401), (504, 20482), (521, 20530), (528, 20554), (560, 20641), (587, 20686), (617, 20758), (623, 20779), (629, 20797), (675, 20878), (708, 20971), (710, 20980), (717, 21004), (720, 21010), (731, 21034), (779, 21088), (791, 21109), (808, 21160), (815, 21184), (833, 21238), (865, 21334), (905, 21439), (909, 21454), (954, 21562), (959, 21580),

Gene: SpeedDemon_320 Start: 28963, Stop: 30726, Start Num: 156

Candidate Starts for SpeedDemon_320:

(88, 28831), (89, 28837), (Start: 156 @28963 has 4 MA's), (Start: 193 @29020 has 1 MA's), (261, 29173), (294, 29248), (351, 29380), (378, 29428), (421, 29512), (488, 29674), (489, 29677), (507, 29719), (510, 29731), (511, 29737), (531, 29797), (535, 29803), (612, 29923), (622, 29956), (641,

30004), (695, 30130), (772, 30196), (841, 30382), (845, 30394), (875, 30472), (893, 30526), (972, 30718),

Gene: Spike509_29 Start: 20463, Stop: 22259, Start Num: 145

Candidate Starts for Spike509_29:

(Start: 145 @20463 has 749 MA's), (Start: 191 @20520 has 1 MA's), (199, 20535), (216, 20568), (233, 20589), (Start: 239 @20604 has 1 MA's), (297, 20691), (303, 20703), (304, 20706), (349, 20781), (361, 20796), (379, 20832), (470, 21039), (516, 21153), (528, 21192), (560, 21279), (616, 21393), (623, 21417), (629, 21435), (675, 21516), (701, 21591), (708, 21609), (717, 21642), (720, 21648), (739, 21687), (777, 21741), (779, 21744), (791, 21765), (810, 21822), (865, 21990), (905, 22095), (907, 22101), (959, 22236),

Gene: SpikeBT_29 Start: 22017, Stop: 23819, Start Num: 148

Candidate Starts for SpikeBT_29:

(Start: 148 @22017 has 202 MA's), (Start: 166 @22038 has 28 MA's), (Start: 191 @22080 has 1 MA's), (215, 22125), (349, 22341), (376, 22386), (381, 22395), (425, 22485), (426, 22488), (507, 22683), (528, 22752), (616, 22953), (617, 22956), (623, 22977), (674, 23073), (675, 23076), (677, 23082), (701, 23151), (708, 23169), (710, 23178), (720, 23208), (779, 23304), (795, 23337), (802, 23352), (845, 23493), (865, 23550), (907, 23661),

Gene: Spikelee_17 Start: 14630, Stop: 16339, Start Num: 132

Candidate Starts for Spikelee_17:

(Start: 132 @14630 has 199 MA's), (198, 14717), (Start: 228 @14762 has 2 MA's), (237, 14786), (277, 14891), (282, 14897), (290, 14915), (301, 14945), (349, 15050), (379, 15104), (383, 15110), (389, 15119), (404, 15140), (415, 15164), (425, 15200), (427, 15206), (438, 15239), (439, 15242), (442, 15251), (459, 15266), (467, 15272), (481, 15290), (486, 15305), (488, 15311), (493, 15329), (494, 15332), (501, 15347), (509, 15362), (510, 15368), (523, 15416), (530, 15428), (531, 15434), (586, 15494), (590, 15506), (606, 15542), (612, 15554), (644, 15629), (647, 15638), (656, 15656), (659, 15662), (671, 15692), (755, 15797), (764, 15809), (785, 15845), (813, 15923), (851, 16043), (862, 16076), (877, 16106), (880, 16118), (886, 16136), (888, 16142), (889, 16145), (891, 16151), (905, 16166), (906, 16169), (914, 16190), (916, 16193), (940, 16235), (947, 16265), (959, 16307), (960, 16313),

Gene: Spino_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Spino_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Spock_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Spock_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: SpongeBob_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for SpongeBob_18:

(Start: 134 @14993 has 40 MA's), (161, 15020), (185, 15059), (Start: 228 @15125 has 2 MA's), (232, 15137), (245, 15173), (254, 15197), (263, 15224), (272, 15245), (277, 15254), (282, 15260), (296, 15293), (379, 15467), (383, 15473), (389, 15482), (395, 15491), (404, 15503), (415, 15527), (427, 15569), (438, 15602), (481, 15653), (482, 15656), (486, 15668), (501, 15710), (509, 15725), (510, 15731), (523, 15779), (554, 15833), (586, 15857), (616, 15929), (636, 15983), (644, 15992), (647, 16001), (659, 16025), (670, 16052), (671, 16055), (755, 16160), (761, 16169), (785, 16208), (814, 16289), (832, 16346), (844, 16385), (886, 16499), (905, 16529), (906, 16532), (916, 16556), (938, 16592),

Gene: Spooky_20 Start: 16409, Stop: 18106, Start Num: 145

Candidate Starts for Spooky_20:

(Start: 121 @16370 has 1 MA's), (Start: 145 @16409 has 749 MA's), (Start: 156 @16421 has 4 MA's), (158, 16424), (Start: 191 @16472 has 1 MA's), (205, 16499), (216, 16520), (236, 16547), (241, 16562), (244, 16568), (245, 16571), (250, 16583), (261, 16619), (303, 16655), (329, 16712), (344, 16733), (360, 16760), (375, 16787), (463, 16985), (469, 17003), (478, 17012), (481, 17018), (495, 17066), (508, 17096), (519, 17132), (521, 17138), (527, 17159), (528, 17162), (583, 17240), (584, 17243), (594, 17270), (606, 17297), (632, 17369), (655, 17408), (687, 17462), (710, 17534), (730, 17579), (783, 17642), (796, 17669), (798, 17672), (804, 17687), (841, 17771), (844, 17780), (845, 17783), (847, 17789), (853, 17804), (863, 17834), (866, 17840), (875, 17861), (877, 17864), (894, 17918), (907, 17948), (909, 17957), (937, 18008), (947, 18041), (951, 18053), (956, 18071),

Gene: Spoonbill_16 Start: 14813, Stop: 16522, Start Num: 132

Candidate Starts for Spoonbill_16:

(Start: 132 @14813 has 199 MA's), (198, 14900), (Start: 228 @14945 has 2 MA's), (237, 14969), (277, 15074), (282, 15080), (290, 15098), (301, 15128), (349, 15233), (383, 15293), (398, 15314), (404, 15323), (415, 15347), (438, 15422), (439, 15425), (481, 15473), (486, 15488), (488, 15494), (501, 15530), (503, 15533), (509, 15545), (510, 15551), (523, 15599), (530, 15611), (531, 15617), (586, 15677), (590, 15689), (606, 15725), (612, 15737), (644, 15812), (647, 15821), (656, 15839), (659, 15845), (671, 15875), (755, 15980), (764, 15992), (785, 16028), (813, 16106), (851, 16226), (862, 16259), (877, 16289), (886, 16319), (889, 16328), (891, 16334), (905, 16349), (906, 16352), (916, 16376), (935, 16406), (940, 16418), (947, 16448), (959, 16490),

Gene: Spouty_29 Start: 21779, Stop: 23569, Start Num: 145

Candidate Starts for Spouty_29:

(Start: 143 @21776 has 53 MA's), (Start: 145 @21779 has 749 MA's), (303, 22013), (304, 22016), (347, 22088), (349, 22091), (361, 22106), (381, 22145), (385, 22151), (434, 22262), (470, 22349), (504, 22430), (507, 22433), (523, 22493), (582, 22619), (609, 22682), (617, 22706), (620, 22712), (629, 22745), (675, 22826), (717, 22952), (737, 22994), (739, 22997), (779, 23054), (795, 23087), (802, 23102), (832, 23201), (833, 23204), (836, 23216), (865, 23300), (890, 23366), (905, 23405), (907, 23411), (928, 23456), (950, 23513), (951, 23516),

Gene: Sproutie_17 Start: 14758, Stop: 16467, Start Num: 269

Candidate Starts for Sproutie_17:

(Start: 269 @14758 has 31 MA's), (324, 14875), (405, 15025), (424, 15064), (429, 15079), (452, 15148), (459, 15160), (489, 15238), (490, 15241), (532, 15373), (547, 15427), (581, 15508), (605, 15568), (608, 15574), (610, 15580), (649, 15661), (671, 15697), (688, 15733), (694, 15751), (707, 15790), (731, 15862), (745, 15886), (841, 16120), (846, 16135), (860, 16177), (893, 16270), (894, 16273), (918, 16321), (932, 16351),

Gene: Squee_28 Start: 21966, Stop: 23768, Start Num: 148

Candidate Starts for Squee_28:

(Start: 148 @21966 has 202 MA's), (Start: 166 @21987 has 28 MA's), (Start: 191 @22029 has 1 MA's), (215, 22074), (349, 22290), (376, 22335), (381, 22344), (407, 22383), (425, 22434), (426, 22437), (507, 22632), (528, 22701), (552, 22761), (616, 22902), (617, 22905), (623, 22926), (674, 23022), (675, 23025), (677, 23031), (701, 23100), (708, 23118), (710, 23127), (720, 23157), (779, 23253), (795, 23286), (802, 23301), (845, 23442), (865, 23499), (907, 23610),

Gene: Squiddly_22 Start: 17821, Stop: 19518, Start Num: 145

Candidate Starts for Squiddly_22:

(Start: 121 @17782 has 1 MA's), (Start: 145 @17821 has 749 MA's), (Start: 156 @17833 has 4 MA's), (158, 17836), (205, 17911), (216, 17932), (236, 17959), (241, 17974), (244, 17980), (245, 17983), (250, 17995), (261, 18031), (296, 18055), (303, 18067), (329, 18124), (344, 18145), (360, 18172), (375, 18199), (397, 18235), (438, 18340), (463, 18397), (469, 18415), (478, 18424), (481, 18430), (495, 18478), (508, 18508), (519, 18544), (521, 18550), (527, 18571), (528, 18574), (583, 18652), (584, 18655), (594, 18682), (606, 18709), (632, 18781), (655, 18820), (687, 18874), (698, 18910), (710, 18946), (730, 18991), (783, 19054), (785, 19057), (796, 19081), (798, 19084), (804, 19099), (841, 19183), (844, 19192), (845, 19195), (847, 19201), (853, 19216), (863, 19246), (866, 19252), (875, 19273), (877, 19276), (894, 19330), (907, 19360), (909, 19369), (937, 19420), (947, 19453), (951, 19465), (956, 19483),

Gene: Squint_33 Start: 25007, Stop: 26740, Start Num: 133

Candidate Starts for Squint_33:

(Start: 133 @25007 has 29 MA's), (Start: 197 @25097 has 47 MA's), (198, 25100), (237, 25175), (247, 25202), (272, 25268), (291, 25304), (302, 25334), (307, 25349), (345, 25433), (365, 25469), (380, 25496), (406, 25535), (418, 25568), (421, 25577), (439, 25634), (469, 25676), (507, 25751), (510, 25763), (530, 25823), (573, 25877), (587, 25907), (595, 25925), (601, 25934), (613, 25967), (617, 25979), (620, 25985), (632, 26024), (659, 26081), (772, 26231), (782, 26249), (802, 26291), (808, 26315), (809, 26318), (813, 26333), (824, 26363), (833, 26393), (851, 26450), (919, 26600), (961, 26720), (965, 26726),

Gene: Squirry_17 Start: 14712, Stop: 16421, Start Num: 132

Candidate Starts for Squirry_17:

(Start: 132 @14712 has 199 MA's), (198, 14799), (Start: 228 @14844 has 2 MA's), (237, 14868), (277, 14973), (282, 14979), (290, 14997), (301, 15027), (349, 15132), (383, 15192), (398, 15213), (404, 15222), (415, 15246), (481, 15372), (486, 15387), (488, 15393), (501, 15429), (509, 15444), (510, 15450), (523, 15498), (530, 15510), (531, 15516), (586, 15576), (590, 15588), (606, 15624), (612, 15636), (644, 15711), (647, 15720), (656, 15738), (659, 15744), (671, 15774), (755, 15879), (761, 15888), (764, 15891), (785, 15927), (813, 16005), (844, 16104), (851, 16125), (862, 16158), (877, 16188), (886, 16218), (889, 16227), (891, 16233), (905, 16248), (906, 16251), (914, 16272), (916, 16275), (935, 16305), (940, 16317), (959, 16389),

Gene: StAB_17 Start: 16311, Stop: 18008, Start Num: 125

Candidate Starts for StAB_17:

(Start: 125 @16311 has 8 MA's), (Start: 138 @16332 has 25 MA's), (198, 16416), (210, 16443), (215, 16449), (301, 16581), (329, 16632), (349, 16665), (365, 16689), (425, 16809), (436, 16842), (442, 16860), (468, 16914), (488, 16959), (510, 17016), (513, 17028), (525, 17067), (574, 17127), (584, 17148), (587, 17157), (612, 17214), (647, 17304), (698, 17412), (715, 17466), (717, 17472), (723, 17490), (804, 17586), (818, 17607), (836, 17652), (892, 17811), (901, 17826), (906, 17841), (909, 17853), (965, 17997),

Gene: StAnnes_16 Start: 14854, Stop: 16563, Start Num: 132

Candidate Starts for StAnnes_16:

(Start: 132 @14854 has 199 MA's), (198, 14941), (Start: 228 @14986 has 2 MA's), (237, 15010), (277, 15115), (282, 15121), (290, 15139), (301, 15169), (349, 15274), (383, 15334), (398, 15355), (404,

15364), (415, 15388), (481, 15514), (486, 15529), (488, 15535), (501, 15571), (503, 15574), (509, 15586), (510, 15592), (523, 15640), (530, 15652), (531, 15658), (586, 15718), (590, 15730), (606, 15766), (612, 15778), (644, 15853), (647, 15862), (656, 15880), (659, 15886), (671, 15916), (755, 16021), (761, 16030), (764, 16033), (785, 16069), (813, 16147), (844, 16246), (851, 16267), (862, 16300), (877, 16330), (886, 16360), (889, 16369), (891, 16375), (905, 16390), (906, 16393), (916, 16417), (935, 16447), (940, 16459), (947, 16489), (959, 16531),

Gene: StCroix_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for StCroix_23:

(Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (261, 16526), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (478, 16904), (481, 16910), (486, 16925), (487, 16928), (507, 16976), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: Stagni_29 Start: 20381, Stop: 22177, Start Num: 145

Candidate Starts for Stagni_29:

(Start: 145 @20381 has 749 MA's), (Start: 191 @20438 has 1 MA's), (199, 20453), (233, 20507), (Start: 239 @20522 has 1 MA's), (297, 20609), (303, 20621), (304, 20624), (349, 20699), (361, 20714), (379, 20750), (470, 20957), (528, 21110), (560, 21197), (616, 21311), (623, 21335), (629, 21353), (675, 21434), (701, 21509), (708, 21527), (717, 21560), (720, 21566), (739, 21605), (777, 21659), (779, 21662), (791, 21683), (810, 21740), (865, 21908), (905, 22013), (907, 22019), (959, 22154),

Gene: Stank_27 Start: 20336, Stop: 21931, Start Num: 197

Candidate Starts for Stank_27:

(Start: 137 @20252 has 84 MA's), (Start: 197 @20336 has 47 MA's), (Start: 239 @20414 has 1 MA's), (272, 20501), (282, 20516), (301, 20564), (315, 20603), (363, 20690), (380, 20723), (404, 20759), (417, 20789), (418, 20795), (441, 20864), (483, 20894), (487, 20906), (488, 20909), (510, 20966), (587, 21098), (589, 21104), (617, 21170), (620, 21176), (626, 21200), (647, 21248), (659, 21272), (665, 21281), (695, 21356), (761, 21407), (772, 21422), (833, 21584), (841, 21611), (851, 21641), (890, 21746), (938, 21824), (947, 21860), (950, 21869), (959, 21902), (965, 21917),

Gene: Stap_17 Start: 14836, Stop: 16545, Start Num: 132

Candidate Starts for Stap_17:

(Start: 132 @14836 has 199 MA's), (198, 14923), (Start: 228 @14968 has 2 MA's), (237, 14992), (277, 15097), (282, 15103), (290, 15121), (301, 15151), (349, 15256), (383, 15316), (398, 15337), (404, 15346), (415, 15370), (438, 15445), (481, 15496), (486, 15511), (488, 15517), (501, 15553), (503, 15556), (509, 15568), (510, 15574), (523, 15622), (530, 15634), (531, 15640), (586, 15700), (590, 15712), (606, 15748), (612, 15760), (644, 15835), (647, 15844), (656, 15862), (659, 15868), (671, 15898), (755, 16003), (764, 16015), (785, 16051), (813, 16129), (844, 16228), (851, 16249), (862, 16282), (877, 16312), (886, 16342), (888, 16348), (889, 16351), (891, 16357), (905, 16372), (906, 16375), (914, 16396), (916, 16399), (940, 16441), (959, 16513), (960, 16519),

Gene: StarStruck_42 Start: 30437, Stop: 32053, Start Num: 260

Candidate Starts for StarStruck_42:

(Start: 260 @30437 has 35 MA's), (322, 30551), (452, 30818), (484, 30884), (489, 30899), (497, 30923), (498, 30926), (527, 31010), (538, 31040), (542, 31058), (570, 31091), (572, 31100), (582, 31118), (592, 31148), (604, 31172), (633, 31256), (643, 31277), (674, 31325), (688, 31364), (704, 31412), (756, 31538), (780, 31574), (827, 31685), (851, 31760), (935, 31937), (947, 31979), (964, 32036),

Gene: StarStuff_31 Start: 20049, Stop: 21839, Start Num: 145

Candidate Starts for StarStuff_31:

(103, 19983), (Start: 128 @20025 has 10 MA's), (Start: 145 @20049 has 749 MA's), (246, 20202), (303, 20283), (304, 20286), (347, 20358), (349, 20361), (361, 20376), (381, 20415), (385, 20421), (434, 20532), (440, 20550), (470, 20619), (504, 20700), (507, 20703), (560, 20859), (582, 20889), (675, 21096), (717, 21222), (779, 21324), (795, 21357), (802, 21372), (808, 21396), (832, 21471), (833, 21474), (836, 21486), (865, 21570), (894, 21648), (905, 21675), (907, 21681), (928, 21726), (935, 21735), (959, 21816),

Gene: Starcevich_17 Start: 14598, Stop: 16307, Start Num: 132

Candidate Starts for Starcevich_17:

(Start: 132 @14598 has 199 MA's), (198, 14685), (Start: 228 @14730 has 2 MA's), (237, 14754), (277, 14859), (282, 14865), (290, 14883), (301, 14913), (349, 15018), (383, 15078), (395, 15096), (398, 15099), (404, 15108), (415, 15132), (481, 15258), (486, 15273), (488, 15279), (501, 15315), (503, 15318), (509, 15330), (510, 15336), (523, 15384), (530, 15396), (531, 15402), (586, 15462), (590, 15474), (606, 15510), (612, 15522), (644, 15597), (647, 15606), (656, 15624), (659, 15630), (671, 15660), (755, 15765), (764, 15777), (785, 15813), (813, 15891), (851, 16011), (862, 16044), (877, 16074), (880, 16086), (886, 16104), (888, 16110), (889, 16113), (891, 16119), (905, 16134), (906, 16137), (914, 16158), (916, 16161), (940, 16203), (947, 16233), (959, 16275), (960, 16281),

Gene: Stargaze_18 Start: 16978, Stop: 18702, Start Num: 164

Candidate Starts for Stargaze_18:

(Start: 164 @16978 has 42 MA's), (240, 17098), (261, 17161), (276, 17191), (308, 17266), (335, 17317), (338, 17326), (341, 17332), (357, 17362), (361, 17368), (392, 17422), (421, 17485), (439, 17542), (488, 17638), (491, 17647), (508, 17686), (520, 17725), (531, 17761), (675, 18043), (693, 18091), (701, 18118), (735, 18154), (778, 18208), (851, 18406), (859, 18430), (862, 18439), (882, 18487), (950, 18634), (961, 18676), (963, 18679),

Gene: Stark_25 Start: 19504, Stop: 21183, Start Num: 137

Candidate Starts for Stark_25:

(Start: 137 @19504 has 84 MA's), (Start: 197 @19588 has 47 MA's), (Start: 239 @19666 has 1 MA's), (272, 19753), (282, 19768), (301, 19816), (315, 19855), (363, 19942), (380, 19975), (404, 20011), (417, 20041), (418, 20047), (441, 20116), (483, 20146), (487, 20158), (488, 20161), (510, 20218), (587, 20350), (589, 20356), (617, 20422), (620, 20428), (626, 20452), (647, 20500), (659, 20524), (665, 20533), (695, 20608), (761, 20659), (772, 20674), (833, 20836), (841, 20863), (851, 20893), (890, 20998), (938, 21076), (947, 21112), (950, 21121), (959, 21154), (965, 21169),

Gene: Stasia_28 Start: 20265, Stop: 22046, Start Num: 145

Candidate Starts for Stasia_28:

(Start: 128 @20241 has 10 MA's), (Start: 145 @20265 has 749 MA's), (Start: 191 @20325 has 1 MA's), (233, 20394), (Start: 239 @20409 has 1 MA's), (297, 20496), (303, 20508), (304, 20511), (323, 20541), (349, 20586), (361, 20601), (381, 20640), (434, 20757), (470, 20844), (504, 20925), (516, 20958), (521, 20973), (528, 20997), (560, 21084), (583, 21117), (617, 21201), (623, 21222), (629, 21240), (675, 21321), (708, 21414), (710, 21423), (717, 21447), (720, 21453), (729, 21468), (757, 21501), (779, 21531), (791, 21552), (808, 21603), (833, 21681), (841, 21708), (865, 21777), (877, 21801), (905, 21882), (909, 21897), (952, 21999), (959, 22023),

Gene: SteamedHams_20 Start: 15398, Stop: 17095, Start Num: 145

Candidate Starts for SteamedHams_20:

(Start: 135 @15395 has 8 MA's), (Start: 145 @15398 has 749 MA's), (213, 15500), (Start: 220 @15512 has 45 MA's), (263, 15608), (328, 15692), (379, 15782), (415, 15842), (423, 15869), (433, 15899), (434, 15902), (463, 15971), (481, 16004), (485, 16016), (486, 16019), (492, 16040), (493, 16043), (516, 16109), (520, 16121), (606, 16286), (675, 16436), (680, 16451), (689, 16469), (708, 16526), (802, 16667), (804, 16673), (807, 16685), (818, 16694), (844, 16766), (845, 16769), (847,

16775), (851, 16787), (890, 16892), (893, 16901), (907, 16934),

Gene: Steamy_29 Start: 21239, Stop: 23029, Start Num: 145

Candidate Starts for Steamy_29:

(103, 21173), (Start: 128 @21215 has 10 MA's), (Start: 145 @21239 has 749 MA's), (303, 21473), (304, 21476), (323, 21506), (347, 21548), (349, 21551), (363, 21569), (381, 21605), (385, 21611), (434, 21722), (445, 21755), (470, 21809), (504, 21890), (507, 21893), (543, 22010), (582, 22079), (627, 22199), (629, 22205), (675, 22286), (710, 22388), (717, 22412), (737, 22454), (779, 22514), (795, 22547), (802, 22562), (804, 22568), (810, 22592), (821, 22622), (832, 22661), (833, 22664), (836, 22676), (865, 22760), (928, 22916), (959, 23006),

Gene: StellaBean_24 Start: 19745, Stop: 21424, Start Num: 137

Candidate Starts for StellaBean_24:

(Start: 137 @19745 has 84 MA's), (Start: 197 @19829 has 47 MA's), (Start: 239 @19907 has 1 MA's), (272, 19994), (282, 20009), (301, 20057), (315, 20096), (363, 20183), (380, 20216), (404, 20252), (417, 20282), (418, 20288), (441, 20357), (483, 20387), (487, 20399), (488, 20402), (510, 20459), (587, 20591), (589, 20597), (617, 20663), (620, 20669), (626, 20693), (647, 20741), (659, 20765), (665, 20774), (695, 20849), (761, 20900), (772, 20915), (833, 21077), (841, 21104), (851, 21134), (890, 21239), (938, 21317), (947, 21353), (950, 21362), (959, 21395), (965, 21410),

Gene: StepMih_29 Start: 20429, Stop: 22168, Start Num: 191

Candidate Starts for StepMih_29:

(Start: 145 @20372 has 749 MA's), (Start: 191 @20429 has 1 MA's), (199, 20444), (233, 20498), (Start: 239 @20513 has 1 MA's), (297, 20600), (303, 20612), (304, 20615), (349, 20690), (361, 20705), (379, 20741), (470, 20948), (528, 21101), (560, 21188), (616, 21302), (623, 21326), (629, 21344), (675, 21425), (701, 21500), (708, 21518), (717, 21551), (720, 21557), (739, 21596), (777, 21650), (779, 21653), (791, 21674), (810, 21731), (865, 21899), (905, 22004), (907, 22010), (959, 22145),

Gene: Stephig9_24 Start: 18633, Stop: 20423, Start Num: 145

Candidate Starts for Stephig9_24:

(Start: 128 @18609 has 10 MA's), (Start: 145 @18633 has 749 MA's), (213, 18726), (240, 18771), (304, 18870), (328, 18906), (349, 18945), (361, 18960), (379, 18996), (434, 19116), (436, 19122), (488, 19242), (535, 19371), (560, 19443), (616, 19557), (708, 19773), (717, 19806), (779, 19908), (795, 19941), (802, 19956), (810, 19986), (904, 20256), (907, 20265), (909, 20274), (956, 20388),

Gene: StevieRay_19 Start: 16376, Stop: 18112, Start Num: 129

Candidate Starts for StevieRay_19:

(Start: 114 @16352 has 2 MA's), (Start: 129 @16376 has 45 MA's), (174, 16436), (185, 16457), (Start: 187 @16460 has 15 MA's), (250, 16580), (263, 16619), (279, 16652), (291, 16676), (341, 16796), (363, 16835), (365, 16841), (411, 16925), (415, 16931), (418, 16943), (425, 16967), (434, 16994), (441, 17012), (470, 17051), (481, 17057), (489, 17081), (510, 17135), (513, 17147), (517, 17156), (537, 17216), (595, 17294), (612, 17333), (622, 17366), (647, 17432), (654, 17447), (659, 17456), (669, 17480), (686, 17510), (691, 17522), (782, 17624), (788, 17636), (791, 17639), (794, 17645), (796, 17654), (830, 17762), (858, 17846), (898, 17945), (950, 18053), (965, 18101),

Gene: StewieG_26 Start: 20923, Stop: 22704, Start Num: 166

Candidate Starts for StewieG_26:

(Start: 148 @20902 has 202 MA's), (Start: 166 @20923 has 28 MA's), (Start: 191 @20965 has 1 MA's), (215, 21010), (349, 21226), (376, 21271), (381, 21280), (407, 21319), (425, 21370), (426, 21373), (507, 21568), (528, 21637), (616, 21838), (617, 21841), (623, 21862), (674, 21958), (675, 21961), (677, 21967), (701, 22036), (708, 22054), (710, 22063), (720, 22093), (779, 22189), (795, 22222), (802, 22237), (845, 22378), (865, 22435), (907, 22546),

Gene: Stickynote_33 Start: 28749, Stop: 30347, Start Num: 262

Candidate Starts for Stickynote_33:

(Start: 262 @28749 has 8 MA's), (363, 28917), (383, 28956), (442, 29091), (467, 29151), (530, 29304), (535, 29316), (537, 29325), (538, 29328), (568, 29373), (572, 29388), (578, 29397), (604, 29460), (611, 29478), (630, 29532), (719, 29748), (767, 29841), (821, 29949), (835, 30003), (861, 30078), (922, 30207), (963, 30333),

Gene: Stiles_17 Start: 16089, Stop: 17786, Start Num: 125

Candidate Starts for Stiles_17:

(Start: 125 @16089 has 8 MA's), (Start: 138 @16110 has 25 MA's), (198, 16194), (210, 16221), (215, 16227), (301, 16359), (329, 16410), (349, 16443), (365, 16467), (425, 16587), (436, 16620), (442, 16638), (468, 16692), (488, 16737), (510, 16794), (513, 16806), (525, 16845), (574, 16905), (584, 16926), (587, 16935), (612, 16992), (647, 17082), (698, 17190), (715, 17244), (717, 17250), (723, 17268), (804, 17364), (818, 17385), (836, 17430), (892, 17589), (901, 17604), (906, 17619), (909, 17631), (965, 17775),

Gene: Stink_28 Start: 20106, Stop: 21905, Start Num: 145

Candidate Starts for Stink_28:

(Start: 128 @20082 has 10 MA's), (Start: 145 @20106 has 749 MA's), (Start: 150 @20112 has 25 MA's), (Start: 191 @20166 has 1 MA's), (233, 20235), (261, 20313), (297, 20337), (303, 20349), (304, 20352), (349, 20427), (361, 20442), (381, 20481), (426, 20574), (434, 20598), (470, 20685), (516, 20799), (560, 20925), (587, 20970), (616, 21039), (623, 21063), (627, 21075), (675, 21162), (701, 21237), (708, 21255), (717, 21288), (720, 21294), (729, 21309), (777, 21387), (779, 21390), (791, 21411), (865, 21636), (894, 21714), (896, 21717), (905, 21741), (907, 21747), (959, 21882), (966, 21900),

Gene: Stinson_23 Start: 17121, Stop: 18887, Start Num: 145

Candidate Starts for Stinson_23:

(Start: 145 @17121 has 749 MA's), (Start: 170 @17151 has 1 MA's), (251, 17310), (261, 17343), (276, 17373), (291, 17406), (298, 17418), (338, 17508), (357, 17544), (361, 17550), (404, 17622), (409, 17631), (422, 17670), (436, 17715), (443, 17736), (444, 17739), (488, 17811), (504, 17853), (508, 17859), (516, 17886), (527, 17922), (548, 17979), (586, 18024), (593, 18042), (619, 18102), (628, 18132), (647, 18159), (693, 18264), (750, 18354), (797, 18423), (809, 18459), (820, 18489), (823, 18498), (845, 18573), (862, 18624), (909, 18723), (938, 18774), (960, 18858), (961, 18861), (971, 18879),

Gene: StolenFromERC_26 Start: 19736, Stop: 21415, Start Num: 137

Candidate Starts for StolenFromERC_26:

(Start: 137 @19736 has 84 MA's), (Start: 197 @19820 has 47 MA's), (Start: 239 @19898 has 1 MA's), (272, 19985), (282, 20000), (301, 20048), (315, 20087), (363, 20174), (380, 20207), (404, 20243), (417, 20273), (418, 20279), (441, 20348), (483, 20378), (487, 20390), (488, 20393), (510, 20450), (587, 20582), (589, 20588), (617, 20654), (620, 20660), (626, 20684), (647, 20732), (659, 20756), (665, 20765), (695, 20840), (761, 20891), (772, 20906), (833, 21068), (841, 21095), (851, 21125), (890, 21230), (938, 21308), (947, 21344), (950, 21353), (959, 21386), (965, 21401),

Gene: StorminNorm_34 Start: 29521, Stop: 31284, Start Num: 107

Candidate Starts for StorminNorm_34:

(Start: 107 @29521 has 72 MA's), (Start: 126 @29557 has 1 MA's), (210, 29686), (216, 29695), (259, 29791), (265, 29800), (319, 29869), (349, 29920), (376, 29965), (385, 29980), (397, 29998), (425, 30061), (440, 30106), (443, 30115), (493, 30226), (495, 30235), (503, 30250), (510, 30274), (520, 30304), (629, 30526), (644, 30544), (649, 30559), (674, 30601), (675, 30604), (686, 30631), (732, 30751), (783, 30814), (845, 30955), (846, 30958), (862, 31006), (875, 31033), (884, 31060), (905,

31114), (913, 31141),

Gene: StressBall_19 Start: 16273, Stop: 18009, Start Num: 129

Candidate Starts for StressBall_19:

(Start: 114 @16249 has 2 MA's), (Start: 129 @16273 has 45 MA's), (174, 16333), (185, 16354), (Start: 187 @16357 has 15 MA's), (250, 16477), (263, 16516), (279, 16549), (291, 16573), (341, 16693), (363, 16732), (365, 16738), (411, 16822), (415, 16828), (418, 16840), (425, 16864), (434, 16891), (441, 16909), (470, 16948), (481, 16954), (489, 16978), (510, 17032), (513, 17044), (517, 17053), (537, 17113), (595, 17191), (612, 17230), (622, 17263), (647, 17329), (659, 17353), (669, 17377), (686, 17407), (782, 17521), (788, 17533), (794, 17542), (796, 17551), (830, 17659), (858, 17743), (898, 17842), (950, 17950), (965, 17998),

Gene: Strobilo_19 Start: 15016, Stop: 16785, Start Num: 143

Candidate Starts for Strobilo_19:

(Start: 121 @14980 has 1 MA's), (Start: 138 @15010 has 25 MA's), (Start: 143 @15016 has 53 MA's), (Start: 166 @15031 has 28 MA's), (Start: 193 @15073 has 1 MA's), (222, 15121), (Start: 239 @15160 has 1 MA's), (244, 15175), (261, 15226), (276, 15256), (291, 15289), (298, 15301), (304, 15319), (338, 15391), (341, 15397), (395, 15493), (404, 15505), (439, 15607), (444, 15622), (464, 15658), (488, 15694), (508, 15742), (520, 15781), (527, 15805), (531, 15817), (586, 15907), (589, 15916), (674, 16111), (693, 16162), (710, 16216), (758, 16270), (820, 16384), (823, 16393), (845, 16468), (862, 16519), (865, 16525), (909, 16621), (939, 16675), (960, 16756), (971, 16777),

Gene: Strokeseat_16 Start: 14904, Stop: 16613, Start Num: 132

Candidate Starts for Strokeseat_16:

(Start: 132 @14904 has 199 MA's), (198, 14991), (Start: 228 @15036 has 2 MA's), (237, 15060), (277, 15165), (282, 15171), (290, 15189), (301, 15219), (349, 15324), (383, 15384), (398, 15405), (404, 15414), (415, 15438), (481, 15564), (486, 15579), (488, 15585), (501, 15621), (503, 15624), (509, 15636), (510, 15642), (523, 15690), (530, 15702), (531, 15708), (586, 15768), (590, 15780), (606, 15816), (612, 15828), (644, 15903), (647, 15912), (656, 15930), (659, 15936), (671, 15966), (755, 16071), (761, 16080), (764, 16083), (785, 16119), (813, 16197), (844, 16296), (851, 16317), (862, 16350), (877, 16380), (886, 16410), (889, 16419), (891, 16425), (905, 16440), (906, 16443), (916, 16467), (935, 16497), (940, 16509), (947, 16539), (959, 16581),

Gene: StrongArm_26 Start: 22101, Stop: 23903, Start Num: 148

Candidate Starts for StrongArm_26:

(Start: 148 @22101 has 202 MA's), (Start: 166 @22122 has 28 MA's), (Start: 191 @22164 has 1 MA's), (215, 22209), (349, 22425), (376, 22470), (381, 22479), (407, 22518), (425, 22569), (426, 22572), (507, 22767), (528, 22836), (616, 23037), (617, 23040), (623, 23061), (674, 23157), (675, 23160), (677, 23166), (701, 23235), (708, 23253), (710, 23262), (720, 23292), (779, 23388), (795, 23421), (802, 23436), (810, 23466), (845, 23577), (865, 23634), (907, 23745),

Gene: Strosahl_30 Start: 19057, Stop: 20844, Start Num: 145

Candidate Starts for Strosahl_30:

(103, 18991), (Start: 128 @19033 has 10 MA's), (Start: 145 @19057 has 749 MA's), (240, 19195), (259, 19252), (304, 19294), (328, 19330), (349, 19369), (391, 19438), (407, 19462), (426, 19516), (488, 19666), (507, 19711), (516, 19741), (527, 19777), (543, 19828), (559, 19864), (587, 19912), (613, 19972), (674, 20101), (701, 20179), (802, 20380), (804, 20386), (833, 20482), (892, 20647), (938, 20746),

Gene: Stultus_33 Start: 29892, Stop: 31655, Start Num: 107

Candidate Starts for Stultus_33:

(100, 29874), (Start: 107 @29892 has 72 MA's), (Start: 126 @29928 has 1 MA's), (216, 30066), (259, 30162), (265, 30171), (319, 30240), (349, 30291), (376, 30336), (385, 30351), (425, 30432), (440,

30477), (443, 30486), (487, 30576), (495, 30606), (503, 30621), (510, 30645), (520, 30675), (629, 30897), (644, 30915), (649, 30930), (668, 30960), (674, 30972), (675, 30975), (686, 31002), (845, 31326), (846, 31329), (862, 31377), (875, 31404), (884, 31431), (905, 31485), (913, 31512), (961, 31641),

Gene: Suerte_18 Start: 16811, Stop: 18391, Start Num: 268

Candidate Starts for Suerte_18:

(217, 16694), (Start: 268 @16811 has 52 MA's), (418, 17069), (425, 17090), (443, 17144), (459, 17183), (482, 17240), (489, 17261), (582, 17432), (588, 17450), (601, 17474), (608, 17495), (628, 17537), (671, 17618), (705, 17708), (720, 17753), (745, 17810), (748, 17813), (779, 17867), (813, 17957), (913, 18236), (918, 18245), (932, 18275),

Gene: Sukkupi_43 Start: 29457, Stop: 31073, Start Num: 260

Candidate Starts for Sukkupi_43:

(Start: 260 @29457 has 35 MA's), (Start: 266 @29466 has 1 MA's), (Start: 268 @29469 has 52 MA's), (Start: 288 @29493 has 1 MA's), (322, 29571), (424, 29754), (443, 29811), (447, 29823), (452, 29838), (484, 29904), (489, 29919), (497, 29943), (527, 30030), (530, 30036), (538, 30060), (572, 30120), (586, 30150), (594, 30171), (633, 30276), (643, 30297), (688, 30384), (704, 30432), (756, 30558), (780, 30594), (844, 30759), (850, 30777), (862, 30813), (943, 30987), (947, 30999), (964, 31056),

Gene: Sulley_23 Start: 17121, Stop: 18887, Start Num: 145

Candidate Starts for Sulley_23:

(Start: 145 @17121 has 749 MA's), (Start: 170 @17151 has 1 MA's), (251, 17310), (261, 17343), (276, 17373), (291, 17406), (298, 17418), (338, 17508), (361, 17550), (404, 17622), (409, 17631), (422, 17670), (436, 17715), (443, 17736), (444, 17739), (482, 17793), (488, 17811), (504, 17853), (508, 17859), (516, 17886), (586, 18024), (593, 18042), (612, 18084), (619, 18102), (628, 18132), (647, 18159), (693, 18264), (797, 18423), (809, 18459), (820, 18489), (823, 18498), (845, 18573), (862, 18624), (950, 18819), (960, 18858), (961, 18861), (971, 18879),

Gene: SummitAcademy_17 Start: 15495, Stop: 17189, Start Num: 145

Candidate Starts for SummitAcademy_17:

(Start: 135 @15492 has 8 MA's), (Start: 145 @15495 has 749 MA's), (213, 15594), (Start: 239 @15636 has 1 MA's), (379, 15876), (423, 15963), (430, 15984), (433, 15993), (442, 16020), (463, 16065), (481, 16098), (486, 16113), (493, 16137), (506, 16170), (516, 16203), (520, 16215), (539, 16272), (582, 16320), (592, 16350), (606, 16380), (613, 16395), (628, 16443), (654, 16494), (675, 16530), (680, 16545), (689, 16563), (708, 16620), (710, 16629), (796, 16749), (802, 16761), (828, 16809), (844, 16860), (845, 16863), (851, 16881), (881, 16959), (890, 16986), (907, 17028), (961, 17175), (965, 17181),

Gene: Sumter_26 Start: 20650, Stop: 22452, Start Num: 148

Candidate Starts for Sumter_26:

(Start: 148 @20650 has 202 MA's), (Start: 166 @20671 has 28 MA's), (Start: 191 @20713 has 1 MA's), (215, 20758), (349, 20974), (376, 21019), (381, 21028), (425, 21118), (426, 21121), (507, 21316), (528, 21385), (616, 21586), (617, 21589), (623, 21610), (674, 21706), (675, 21709), (677, 21715), (701, 21784), (708, 21802), (710, 21811), (720, 21841), (779, 21937), (795, 21970), (802, 21985), (845, 22126), (865, 22183), (907, 22294),

Gene: Sunflower1121_21 Start: 16226, Stop: 17992, Start Num: 145

Candidate Starts for Sunflower1121_21:

(Start: 138 @16217 has 25 MA's), (Start: 145 @16226 has 749 MA's), (Start: 170 @16256 has 1 MA's), (Start: 239 @16382 has 1 MA's), (244, 16397), (251, 16415), (261, 16448), (276, 16478), (298, 16523), (338, 16613), (357, 16649), (404, 16727), (409, 16736), (443, 16841), (444, 16844), (486,

16910), (488, 16916), (504, 16958), (508, 16964), (516, 16991), (593, 17147), (619, 17207), (669, 17309), (675, 17321), (693, 17369), (742, 17444), (754, 17468), (797, 17528), (809, 17564), (820, 17594), (845, 17678), (862, 17729), (865, 17735), (909, 17828), (960, 17963), (961, 17966), (971, 17984),

Gene: Sunshine924_26 Start: 20656, Stop: 22458, Start Num: 148

Candidate Starts for Sunshine924_26:

(Start: 148 @20656 has 202 MA's), (Start: 166 @20677 has 28 MA's), (Start: 191 @20719 has 1 MA's), (215, 20764), (349, 20980), (376, 21025), (381, 21034), (407, 21073), (425, 21124), (426, 21127), (507, 21322), (528, 21391), (616, 21592), (617, 21595), (623, 21616), (674, 21712), (675, 21715), (677, 21721), (701, 21790), (708, 21808), (710, 21817), (720, 21847), (779, 21943), (795, 21976), (802, 21991), (845, 22132), (865, 22189), (907, 22300), (966, 22453),

Gene: SuperAwesome_31 Start: 19969, Stop: 21741, Start Num: 145

Candidate Starts for SuperAwesome_31:

(103, 19903), (Start: 128 @19945 has 10 MA's), (Start: 145 @19969 has 749 MA's), (261, 20167), (304, 20206), (347, 20278), (349, 20281), (363, 20299), (381, 20335), (385, 20341), (434, 20452), (436, 20458), (448, 20497), (470, 20539), (488, 20578), (504, 20620), (507, 20623), (523, 20683), (624, 20920), (629, 20935), (675, 21016), (720, 21148), (802, 21274), (817, 21325), (821, 21334), (832, 21373), (833, 21376), (836, 21388), (865, 21472), (905, 21577), (907, 21583), (959, 21718),

Gene: SuperCallie99_31 Start: 19968, Stop: 21740, Start Num: 145

Candidate Starts for SuperCallie99_31:

(103, 19902), (Start: 128 @19944 has 10 MA's), (Start: 145 @19968 has 749 MA's), (261, 20166), (304, 20205), (347, 20277), (349, 20280), (363, 20298), (381, 20334), (385, 20340), (434, 20451), (436, 20457), (448, 20496), (470, 20538), (488, 20577), (504, 20619), (507, 20622), (523, 20682), (624, 20919), (629, 20934), (675, 21015), (720, 21147), (802, 21273), (817, 21324), (821, 21333), (832, 21372), (833, 21375), (836, 21387), (865, 21471), (905, 21576), (907, 21582), (959, 21717),

Gene: SuperGrey_17 Start: 15480, Stop: 17189, Start Num: 132

Candidate Starts for SuperGrey_17:

(Start: 132 @15480 has 199 MA's), (198, 15567), (Start: 228 @15612 has 2 MA's), (237, 15636), (277, 15741), (282, 15747), (290, 15765), (301, 15795), (349, 15900), (383, 15960), (398, 15981), (404, 15990), (415, 16014), (427, 16056), (438, 16089), (442, 16101), (459, 16116), (467, 16122), (481, 16140), (486, 16155), (488, 16161), (501, 16197), (503, 16200), (509, 16212), (510, 16218), (512, 16227), (523, 16266), (530, 16278), (531, 16284), (586, 16344), (590, 16356), (606, 16392), (612, 16404), (644, 16479), (647, 16488), (656, 16506), (659, 16512), (671, 16542), (755, 16647), (761, 16656), (764, 16659), (785, 16695), (813, 16773), (851, 16893), (877, 16956), (886, 16986), (889, 16995), (891, 17001), (905, 17016), (906, 17019), (916, 17043), (935, 17073), (940, 17085), (959, 17157),

Gene: SuperSulley_42 Start: 30625, Stop: 32241, Start Num: 260

Candidate Starts for SuperSulley_42:

(Start: 260 @30625 has 35 MA's), (Start: 268 @30637 has 52 MA's), (322, 30739), (365, 30823), (452, 31006), (484, 31072), (489, 31087), (497, 31111), (527, 31198), (538, 31228), (539, 31231), (572, 31288), (604, 31360), (643, 31465), (688, 31552), (704, 31600), (756, 31726), (780, 31762), (827, 31873), (851, 31948), (935, 32125), (947, 32167), (964, 32224),

Gene: Superchunk_27 Start: 18835, Stop: 20625, Start Num: 145

Candidate Starts for Superchunk_27:

(103, 18769), (Start: 128 @18811 has 10 MA's), (Start: 145 @18835 has 749 MA's), (Start: 166 @18844 has 28 MA's), (246, 18988), (303, 19069), (304, 19072), (347, 19144), (349, 19147), (361, 19162), (381, 19201), (385, 19207), (434, 19318), (436, 19324), (445, 19351), (470, 19405), (504,

19486), (507, 19489), (560, 19645), (582, 19675), (616, 19759), (629, 19801), (657, 19852), (675, 19882), (717, 20008), (746, 20062), (765, 20089), (773, 20098), (779, 20110), (795, 20143), (802, 20158), (808, 20182), (832, 20257), (833, 20260), (836, 20272), (865, 20356), (905, 20461), (928, 20512), (935, 20521), (959, 20602),

Gene: Superphikiman_34 Start: 25162, Stop: 26805, Start Num: 197

Candidate Starts for Superphikiman_34:

(Start: 133 @25072 has 29 MA's), (Start: 197 @25162 has 47 MA's), (198, 25165), (237, 25240), (247, 25267), (272, 25333), (291, 25369), (302, 25399), (307, 25414), (345, 25498), (365, 25534), (380, 25561), (406, 25600), (418, 25633), (421, 25642), (439, 25699), (469, 25741), (507, 25816), (510, 25828), (530, 25888), (573, 25942), (587, 25972), (595, 25990), (601, 25999), (613, 26032), (617, 26044), (620, 26050), (632, 26089), (659, 26146), (772, 26296), (782, 26314), (802, 26356), (808, 26380), (809, 26383), (813, 26398), (824, 26428), (833, 26458), (851, 26515), (919, 26665), (961, 26785), (965, 26791),

Gene: Survivors_20 Start: 16559, Stop: 18253, Start Num: 145

Candidate Starts for Survivors_20:

(56, 16235), (Start: 145 @16559 has 749 MA's), (321, 16844), (323, 16847), (349, 16892), (360, 16907), (407, 16985), (423, 17030), (463, 17132), (471, 17153), (481, 17165), (485, 17177), (486, 17180), (506, 17237), (516, 17270), (521, 17285), (541, 17351), (584, 17393), (587, 17402), (606, 17447), (628, 17510), (674, 17591), (680, 17609), (686, 17618), (689, 17627), (708, 17684), (710, 17693), (802, 17825), (818, 17852), (828, 17873), (844, 17924), (845, 17927), (881, 18023), (890, 18050), (893, 18059), (894, 18062), (907, 18092), (912, 18110), (939, 18155), (965, 18245),

Gene: Susceptit_19 Start: 17773, Stop: 19371, Start Num: 268

Candidate Starts for Susceptit_19:

(Start: 268 @17773 has 52 MA's), (414, 18022), (418, 18031), (424, 18049), (425, 18052), (443, 18106), (472, 18181), (496, 18250), (499, 18259), (505, 18271), (521, 18322), (529, 18349), (532, 18358), (534, 18361), (581, 18391), (582, 18394), (605, 18451), (628, 18517), (670, 18595), (683, 18628), (694, 18652), (705, 18688), (745, 18790), (779, 18847), (800, 18892), (803, 18898), (813, 18937), (894, 19177), (932, 19255),

Gene: SwagPiggett_16 Start: 14813, Stop: 16522, Start Num: 132

Candidate Starts for SwagPiggett_16:

(Start: 132 @14813 has 199 MA's), (198, 14900), (Start: 228 @14945 has 2 MA's), (237, 14969), (256, 15026), (277, 15074), (282, 15080), (290, 15098), (301, 15128), (349, 15233), (379, 15287), (383, 15293), (389, 15302), (404, 15323), (415, 15347), (425, 15383), (427, 15389), (438, 15422), (439, 15425), (442, 15434), (459, 15449), (467, 15455), (481, 15473), (486, 15488), (488, 15494), (493, 15512), (494, 15515), (501, 15530), (509, 15545), (510, 15551), (523, 15599), (530, 15611), (531, 15617), (586, 15677), (590, 15689), (606, 15725), (612, 15737), (644, 15812), (647, 15821), (656, 15839), (659, 15845), (671, 15875), (755, 15980), (764, 15992), (785, 16028), (813, 16106), (851, 16226), (862, 16259), (877, 16289), (880, 16301), (886, 16319), (888, 16325), (889, 16328), (891, 16334), (905, 16349), (906, 16352), (914, 16373), (916, 16376), (940, 16418), (947, 16448), (959, 16490), (960, 16496),

Gene: Swann_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for Swann_23:

(Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (261, 16526), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (478, 16904), (481, 16910), (486, 16925), (487, 16928), (507, 16976), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: SweatNTears_20 Start: 15891, Stop: 17588, Start Num: 145

Candidate Starts for SweatNTears_20:

(Start: 121 @15861 has 1 MA's), (Start: 135 @15888 has 8 MA's), (Start: 145 @15891 has 749 MA's), (263, 16101), (376, 16269), (379, 16275), (430, 16383), (442, 16419), (451, 16449), (463, 16464), (481, 16497), (485, 16509), (495, 16545), (516, 16602), (520, 16614), (587, 16734), (596, 16755), (606, 16779), (675, 16929), (680, 16944), (689, 16962), (708, 17019), (796, 17148), (802, 17160), (807, 17178), (818, 17187), (844, 17259), (845, 17262), (847, 17268), (851, 17280), (890, 17385), (893, 17394), (907, 17427), (956, 17553),

Gene: SweetiePie_28 Start: 20118, Stop: 21890, Start Num: 145

Candidate Starts for SweetiePie_28:

(103, 20052), (Start: 128 @20094 has 10 MA's), (Start: 145 @20118 has 749 MA's), (216, 20217), (256, 20301), (303, 20352), (304, 20355), (347, 20427), (349, 20430), (381, 20484), (407, 20523), (423, 20568), (434, 20601), (470, 20688), (504, 20769), (507, 20772), (617, 21045), (675, 21165), (717, 21291), (757, 21345), (795, 21408), (802, 21423), (804, 21429), (821, 21483), (832, 21522), (836, 21537), (865, 21621), (907, 21732), (959, 21867),

Gene: Sweets_18 Start: 16635, Stop: 18398, Start Num: 138

Candidate Starts for Sweets_18:

(Start: 138 @16635 has 25 MA's), (Start: 164 @16644 has 42 MA's), (Start: 168 @16650 has 2 MA's), (172, 16656), (244, 16788), (261, 16839), (276, 16869), (Start: 288 @16893 has 1 MA's), (335, 16995), (353, 17034), (357, 17040), (365, 17055), (392, 17100), (439, 17220), (466, 17277), (488, 17316), (508, 17364), (516, 17391), (520, 17403), (548, 17484), (586, 17529), (675, 17727), (687, 17757), (693, 17775), (701, 17802), (760, 17886), (778, 17904), (792, 17919), (808, 17967), (812, 17982), (833, 18045), (851, 18102), (865, 18141), (882, 18183), (909, 18234), (950, 18330), (971, 18390),

Gene: SwirlSquare_30 Start: 18974, Stop: 20788, Start Num: 128

Candidate Starts for SwirlSquare_30:

(103, 18932), (Start: 128 @18974 has 10 MA's), (Start: 145 @18998 has 749 MA's), (303, 19232), (304, 19235), (347, 19307), (349, 19310), (361, 19325), (436, 19487), (440, 19499), (470, 19568), (494, 19628), (504, 19649), (507, 19652), (560, 19808), (582, 19838), (616, 19922), (657, 20015), (675, 20045), (717, 20171), (779, 20273), (795, 20306), (802, 20321), (832, 20420), (833, 20423), (836, 20435), (865, 20519), (905, 20624), (935, 20684), (959, 20765),

Gene: Swirley_24 Start: 19634, Stop: 21430, Start Num: 145

Candidate Starts for Swirley_24:

(Start: 145 @19634 has 749 MA's), (Start: 220 @19739 has 45 MA's), (240, 19772), (304, 19871), (349, 19946), (361, 19961), (379, 19997), (419, 20069), (423, 20084), (436, 20123), (516, 20318), (523, 20348), (527, 20354), (587, 20489), (612, 20546), (613, 20549), (616, 20558), (629, 20600), (637, 20618), (674, 20678), (675, 20681), (708, 20774), (710, 20783), (717, 20807), (777, 20915), (795, 20951), (865, 21161), (904, 21263), (907, 21272), (953, 21386), (959, 21407), (961, 21416),

Gene: SwissCheese_28 Start: 21594, Stop: 23396, Start Num: 148

Candidate Starts for SwissCheese_28:

(Start: 148 @21594 has 202 MA's), (Start: 166 @21615 has 28 MA's), (Start: 191 @21657 has 1 MA's), (215, 21702), (349, 21918), (376, 21963), (381, 21972), (407, 22011), (425, 22062), (426, 22065), (507, 22260), (528, 22329), (616, 22530), (617, 22533), (623, 22554), (674, 22650), (675, 22653), (677, 22659), (701, 22728), (708, 22746), (710, 22755), (720, 22785), (779, 22881), (795, 22914), (802, 22929), (810, 22959), (845, 23070), (865, 23127), (907, 23238),

Gene: Switzer_28 Start: 21233, Stop: 23035, Start Num: 148

Candidate Starts for Switzer_28:

(Start: 148 @21233 has 202 MA's), (Start: 166 @21254 has 28 MA's), (Start: 191 @21296 has 1 MA's), (215, 21341), (349, 21557), (376, 21602), (381, 21611), (407, 21650), (425, 21701), (426, 21704), (507, 21899), (528, 21968), (616, 22169), (617, 22172), (623, 22193), (674, 22289), (675, 22292), (677, 22298), (701, 22367), (708, 22385), (710, 22394), (720, 22424), (779, 22520), (795, 22553), (802, 22568), (845, 22709), (865, 22766), (907, 22877), (966, 23030),

Gene: Switzerland_30 Start: 19208, Stop: 20995, Start Num: 145

Candidate Starts for Switzerland_30:

(103, 19142), (Start: 128 @19184 has 10 MA's), (Start: 145 @19208 has 749 MA's), (240, 19346), (259, 19403), (304, 19445), (328, 19481), (349, 19520), (391, 19589), (407, 19613), (426, 19667), (488, 19817), (507, 19862), (516, 19892), (527, 19928), (543, 19979), (559, 20015), (587, 20063), (613, 20123), (674, 20252), (701, 20330), (802, 20531), (804, 20537), (833, 20633), (892, 20798), (938, 20897),

Gene: Swole_29 Start: 21585, Stop: 23387, Start Num: 148

Candidate Starts for Swole_29:

(Start: 148 @21585 has 202 MA's), (Start: 166 @21606 has 28 MA's), (Start: 191 @21648 has 1 MA's), (215, 21693), (349, 21909), (376, 21954), (381, 21963), (407, 22002), (425, 22053), (426, 22056), (507, 22251), (528, 22320), (616, 22521), (617, 22524), (623, 22545), (674, 22641), (675, 22644), (677, 22650), (701, 22719), (708, 22737), (710, 22746), (720, 22776), (779, 22872), (795, 22905), (802, 22920), (845, 23061), (865, 23118), (907, 23229),

Gene: SydNat_24 Start: 19916, Stop: 21715, Start Num: 145

Candidate Starts for SydNat_24:

(Start: 145 @19916 has 749 MA's), (240, 20054), (304, 20153), (349, 20228), (379, 20279), (419, 20351), (423, 20366), (434, 20399), (436, 20405), (478, 20498), (516, 20600), (523, 20630), (527, 20636), (560, 20726), (582, 20756), (616, 20840), (617, 20843), (629, 20882), (637, 20900), (674, 20960), (675, 20963), (708, 21056), (777, 21197), (798, 21239), (907, 21557), (959, 21692), (961, 21701),

Gene: Syleon_28 Start: 21873, Stop: 23624, Start Num: 157

Candidate Starts for Syleon_28:

(Start: 142 @21858 has 1 MA's), (Start: 157 @21873 has 12 MA's), (172, 21894), (174, 21897), (205, 21954), (216, 21975), (Start: 220 @21981 has 45 MA's), (241, 22008), (249, 22026), (253, 22035), (254, 22038), (276, 22098), (323, 22173), (332, 22194), (350, 22233), (423, 22377), (443, 22437), (445, 22443), (449, 22458), (470, 22497), (500, 22566), (504, 22575), (510, 22590), (512, 22599), (521, 22623), (527, 22644), (551, 22698), (574, 22716), (608, 22797), (612, 22809), (621, 22833), (675, 22947), (712, 23055), (721, 23079), (757, 23106), (787, 23151), (826, 23226), (828, 23232), (847, 23292), (865, 23343), (881, 23379), (905, 23430), (907, 23436), (915, 23460), (930, 23499), (936, 23514), (944, 23541), (953, 23571), (957, 23583), (969, 23613),

Gene: Syra333_22 Start: 16321, Stop: 18087, Start Num: 145

Candidate Starts for Syra333_22:

(Start: 138 @16312 has 25 MA's), (Start: 145 @16321 has 749 MA's), (Start: 170 @16351 has 1 MA's), (185, 16378), (Start: 239 @16477 has 1 MA's), (244, 16492), (251, 16510), (261, 16543), (276, 16573), (298, 16618), (338, 16708), (357, 16744), (404, 16822), (409, 16831), (443, 16936), (444, 16939), (486, 17005), (488, 17011), (508, 17059), (511, 17074), (593, 17242), (619, 17302), (647, 17359), (669, 17404), (675, 17416), (693, 17464), (754, 17563), (797, 17623), (809, 17659), (845, 17773), (862, 17824), (865, 17830), (909, 17923), (960, 18058), (961, 18061), (971, 18079),

Gene: TBond007_22 Start: 17357, Stop: 19120, Start Num: 145

Candidate Starts for TBond007_22:

(Start: 138 @17348 has 25 MA's), (Start: 145 @17357 has 749 MA's), (219, 17459), (244, 17516), (261, 17567), (276, 17597), (Start: 288 @17621 has 1 MA's), (404, 17852), (409, 17861), (413, 17873), (443, 17966), (444, 17969), (488, 18041), (491, 18050), (504, 18083), (508, 18089), (520, 18128), (531, 18164), (586, 18254), (613, 18317), (652, 18404), (693, 18497), (742, 18572), (797, 18653), (812, 18701), (822, 18725), (829, 18752), (847, 18809), (862, 18854), (909, 18956), (926, 18983), (947, 19043), (950, 19052), (956, 19073), (960, 19091), (963, 19097), (971, 19112),

Gene: TBrady12_26 Start: 19820, Stop: 21415, Start Num: 197

Candidate Starts for TBrady12_26:

(Start: 137 @19736 has 84 MA's), (Start: 197 @19820 has 47 MA's), (Start: 239 @19898 has 1 MA's), (272, 19985), (282, 20000), (301, 20048), (315, 20087), (363, 20174), (380, 20207), (404, 20243), (417, 20273), (418, 20279), (441, 20348), (483, 20378), (487, 20390), (488, 20393), (510, 20450), (587, 20582), (589, 20588), (617, 20654), (620, 20660), (626, 20684), (647, 20732), (659, 20756), (665, 20765), (695, 20840), (761, 20891), (772, 20906), (833, 21068), (841, 21095), (851, 21125), (890, 21230), (938, 21308), (947, 21344), (950, 21353), (959, 21386), (965, 21401),

Gene: TChen_17 Start: 15346, Stop: 17073, Start Num: 122

Candidate Starts for TChen_17:

(Start: 122 @15346 has 2 MA's), (Start: 125 @15352 has 8 MA's), (Start: 129 @15358 has 45 MA's), (Start: 137 @15370 has 84 MA's), (Start: 142 @15376 has 1 MA's), (Start: 228 @15496 has 2 MA's), (237, 15520), (245, 15544), (277, 15625), (282, 15631), (290, 15649), (301, 15679), (389, 15853), (404, 15874), (406, 15877), (419, 15913), (431, 15952), (467, 16006), (481, 16024), (482, 16027), (486, 16039), (488, 16045), (501, 16081), (510, 16102), (516, 16120), (523, 16150), (530, 16162), (531, 16168), (586, 16228), (606, 16276), (623, 16321), (644, 16363), (647, 16372), (659, 16396), (671, 16426), (691, 16471), (755, 16531), (761, 16540), (764, 16543), (785, 16579), (814, 16660), (856, 16789), (862, 16810), (877, 16840), (886, 16870), (889, 16879), (891, 16885), (905, 16900), (906, 16903), (965, 17056),

Gene: TClif_23 Start: 16354, Stop: 18120, Start Num: 145

Candidate Starts for TClif_23:

(Start: 121 @16315 has 1 MA's), (Start: 138 @16345 has 25 MA's), (Start: 145 @16354 has 749 MA's), (Start: 170 @16384 has 1 MA's), (244, 16525), (276, 16606), (291, 16639), (298, 16651), (361, 16783), (404, 16855), (409, 16864), (415, 16879), (443, 16969), (444, 16972), (486, 17038), (488, 17044), (504, 17086), (508, 17092), (516, 17119), (586, 17257), (628, 17365), (669, 17437), (693, 17497), (754, 17596), (763, 17611), (809, 17692), (823, 17731), (845, 17806), (862, 17857), (971, 18112),

Gene: TDanisky_16 Start: 14836, Stop: 16545, Start Num: 132

Candidate Starts for TDanisky_16:

(Start: 132 @14836 has 199 MA's), (198, 14923), (Start: 228 @14968 has 2 MA's), (237, 14992), (256, 15049), (277, 15097), (282, 15103), (290, 15121), (301, 15151), (349, 15256), (379, 15310), (383, 15316), (389, 15325), (404, 15346), (415, 15370), (425, 15406), (427, 15412), (438, 15445), (439, 15448), (442, 15457), (459, 15472), (467, 15478), (481, 15496), (486, 15511), (488, 15517), (493, 15535), (494, 15538), (501, 15553), (509, 15568), (510, 15574), (523, 15622), (530, 15634), (531, 15640), (586, 15700), (590, 15712), (606, 15748), (612, 15760), (644, 15835), (647, 15844), (656, 15862), (659, 15868), (671, 15898), (755, 16003), (764, 16015), (785, 16051), (813, 16129), (851, 16249), (862, 16282), (877, 16312), (880, 16324), (886, 16342), (888, 16348), (889, 16351), (891, 16357), (905, 16372), (906, 16375), (914, 16396), (916, 16399), (940, 16441), (947, 16471), (959, 16513), (960, 16519),

Gene: TM4_19 Start: 15094, Stop: 16851, Start Num: 143

Candidate Starts for TM4_19:

(Start: 121 @15058 has 1 MA's), (Start: 138 @15088 has 25 MA's), (Start: 143 @15094 has 53 MA's), (Start: 166 @15109 has 28 MA's), (Start: 193 @15151 has 1 MA's), (222, 15199), (Start: 239 @15238 has 1 MA's), (244, 15253), (261, 15304), (263, 15307), (276, 15334), (291, 15367), (298, 15379), (338, 15469), (341, 15475), (404, 15583), (439, 15685), (443, 15697), (444, 15700), (464, 15736), (488, 15772), (493, 15790), (504, 15814), (508, 15820), (520, 15859), (527, 15883), (531, 15895), (586, 15985), (589, 15994), (613, 16048), (622, 16078), (674, 16189), (693, 16240), (750, 16330), (754, 16339), (758, 16348), (760, 16351), (797, 16384), (810, 16423), (820, 16450), (823, 16459), (845, 16534), (862, 16585), (865, 16591), (897, 16672), (909, 16687), (939, 16741), (960, 16822), (971, 16843),

Gene: TNguyen7_27 Start: 19874, Stop: 21670, Start Num: 145

Candidate Starts for TNguyen7_27:

(Start: 145 @19874 has 749 MA's), (Start: 191 @19931 has 1 MA's), (233, 20000), (297, 20102), (303, 20114), (304, 20117), (349, 20192), (361, 20207), (381, 20246), (440, 20381), (470, 20450), (516, 20564), (560, 20690), (616, 20804), (623, 20828), (629, 20846), (675, 20927), (701, 21002), (708, 21020), (710, 21029), (717, 21053), (720, 21059), (729, 21074), (749, 21107), (777, 21152), (779, 21155), (791, 21176), (795, 21188), (815, 21251), (865, 21401), (905, 21506), (907, 21512), (959, 21647),

Gene: TPA4_19 Start: 17726, Stop: 19462, Start Num: 154

Candidate Starts for TPA4_19:

(Start: 129 @17699 has 45 MA's), (Start: 154 @17726 has 21 MA's), (208, 17798), (237, 17852), (Start: 239 @17858 has 1 MA's), (251, 17891), (365, 18143), (408, 18212), (416, 18230), (430, 18278), (434, 18290), (437, 18299), (447, 18329), (478, 18359), (488, 18386), (493, 18404), (503, 18425), (511, 18449), (552, 18560), (585, 18596), (600, 18626), (660, 18761), (663, 18764), (675, 18794), (693, 18842), (700, 18866), (802, 19007), (832, 19106), (840, 19133), (841, 19136), (858, 19187), (862, 19199), (875, 19226), (887, 19262), (914, 19307), (935, 19343), (951, 19394), (970, 19451),

Gene: TWAMP_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for TWAMP_23:

(Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (261, 16526), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (478, 16904), (481, 16910), (486, 16925), (487, 16928), (507, 16976), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: Tachez_23 Start: 17117, Stop: 18883, Start Num: 145

Candidate Starts for Tachez_23:

(Start: 145 @17117 has 749 MA's), (Start: 170 @17147 has 1 MA's), (251, 17306), (261, 17339), (276, 17369), (291, 17402), (298, 17414), (338, 17504), (361, 17546), (404, 17618), (409, 17627), (422, 17666), (436, 17711), (443, 17732), (444, 17735), (482, 17789), (488, 17807), (504, 17849), (508, 17855), (516, 17882), (586, 18020), (593, 18038), (612, 18080), (619, 18098), (628, 18128), (647, 18155), (693, 18260), (797, 18419), (809, 18455), (820, 18485), (823, 18494), (845, 18569), (862, 18620), (909, 18719), (950, 18815), (960, 18854), (961, 18857), (971, 18875),

Gene: Taheera_18 Start: 16666, Stop: 18420, Start Num: 164

Candidate Starts for Taheera_18:

(67, 16453), (Start: 138 @16657 has 25 MA's), (Start: 164 @16666 has 42 MA's), (Start: 168 @16672 has 2 MA's), (172, 16678), (222, 16756), (244, 16810), (261, 16861), (276, 16891), (Start: 288 @16915 has 1 MA's), (335, 17017), (353, 17056), (357, 17062), (365, 17077), (439, 17242), (466, 17299), (488, 17338), (504, 17380), (508, 17386), (520, 17425), (565, 17524), (586, 17551), (605, 17596), (687, 17779), (693, 17797), (701, 17824), (760, 17908), (778, 17926), (792, 17941), (812,

18004), (833, 18067), (840, 18091), (851, 18124), (865, 18163), (882, 18205), (950, 18352), (971, 18412),

Gene: TaiwanKao_24 Start: 17128, Stop: 18894, Start Num: 145

Candidate Starts for TaiwanKao_24:

(Start: 145 @17128 has 749 MA's), (Start: 170 @17158 has 1 MA's), (251, 17317), (261, 17350), (276, 17380), (291, 17413), (298, 17425), (338, 17515), (361, 17557), (398, 17620), (404, 17629), (409, 17638), (422, 17677), (436, 17722), (443, 17743), (444, 17746), (488, 17818), (504, 17860), (508, 17866), (516, 17893), (586, 18031), (593, 18049), (612, 18091), (619, 18109), (628, 18139), (647, 18166), (693, 18271), (797, 18430), (809, 18466), (820, 18496), (823, 18505), (845, 18580), (862, 18631), (950, 18826), (960, 18865), (961, 18868), (971, 18886),

Gene: Taj_16 Start: 14839, Stop: 16548, Start Num: 132

Candidate Starts for Taj_16:

(Start: 132 @14839 has 199 MA's), (198, 14926), (Start: 228 @14971 has 2 MA's), (237, 14995), (277, 15100), (282, 15106), (290, 15124), (301, 15154), (349, 15259), (383, 15319), (395, 15337), (398, 15340), (404, 15349), (415, 15373), (481, 15499), (486, 15514), (488, 15520), (501, 15556), (503, 15559), (509, 15571), (510, 15577), (523, 15625), (530, 15637), (531, 15643), (586, 15703), (590, 15715), (606, 15751), (612, 15763), (644, 15838), (647, 15847), (656, 15865), (659, 15871), (671, 15901), (755, 16006), (761, 16015), (764, 16018), (785, 16054), (813, 16132), (844, 16231), (851, 16252), (862, 16285), (877, 16315), (886, 16345), (889, 16354), (891, 16360), (905, 16375), (906, 16378), (916, 16402), (935, 16432), (940, 16444), (947, 16474), (959, 16516),

Gene: Takoda_23 Start: 16309, Stop: 17934, Start Num: 173

Candidate Starts for Takoda_23:

(Start: 162 @16294 has 3 MA's), (Start: 173 @16309 has 32 MA's), (210, 16378), (236, 16414), (323, 16555), (349, 16600), (421, 16729), (434, 16771), (440, 16789), (443, 16798), (450, 16822), (463, 16840), (481, 16870), (486, 16885), (487, 16888), (501, 16927), (507, 16936), (609, 17137), (674, 17275), (701, 17353), (713, 17392), (717, 17404), (757, 17434), (802, 17512), (860, 17659), (900, 17758), (905, 17773), (965, 17926),

Gene: Tangent_35 Start: 30329, Stop: 32092, Start Num: 107

Candidate Starts for Tangent_35:

(100, 30311), (Start: 107 @30329 has 72 MA's), (Start: 126 @30365 has 1 MA's), (216, 30503), (259, 30599), (265, 30608), (319, 30677), (349, 30728), (376, 30773), (385, 30788), (425, 30869), (440, 30914), (443, 30923), (463, 30962), (487, 31013), (495, 31043), (503, 31058), (510, 31082), (520, 31112), (586, 31217), (629, 31334), (644, 31352), (649, 31367), (668, 31397), (674, 31409), (675, 31412), (686, 31439), (845, 31763), (846, 31766), (862, 31814), (875, 31841), (884, 31868), (905, 31922), (912, 31946), (913, 31949), (951, 32039), (966, 32087),

Gene: Tangerine_34 Start: 29524, Stop: 31287, Start Num: 107

Candidate Starts for Tangerine_34:

(Start: 107 @29524 has 72 MA's), (Start: 126 @29560 has 1 MA's), (210, 29689), (216, 29698), (259, 29794), (265, 29803), (319, 29872), (349, 29923), (356, 29932), (376, 29968), (385, 29983), (397, 30001), (425, 30064), (440, 30109), (443, 30118), (493, 30229), (495, 30238), (503, 30253), (510, 30277), (520, 30307), (629, 30529), (644, 30547), (649, 30562), (674, 30604), (686, 30634), (732, 30754), (798, 30847), (845, 30958), (846, 30961), (862, 31009), (875, 31036), (884, 31063), (905, 31117),

Gene: Tapioca_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Tapioca_18:

(Start: 134 @14989 has 40 MA's), (161, 15016), (Start: 228 @15121 has 2 MA's), (232, 15133), (245, 15169), (263, 15220), (277, 15250), (282, 15256), (294, 15283), (296, 15289), (349, 15409), (379,

15463), (383, 15469), (395, 15487), (404, 15499), (406, 15502), (415, 15523), (427, 15565), (438, 15598), (481, 15649), (486, 15664), (501, 15706), (509, 15721), (510, 15727), (523, 15775), (535, 15799), (554, 15829), (586, 15853), (612, 15913), (616, 15925), (636, 15979), (644, 15988), (670, 16048), (671, 16051), (755, 16156), (761, 16165), (785, 16204), (832, 16342), (885, 16492), (886, 16495), (889, 16504), (905, 16525), (916, 16552), (938, 16588), (965, 16681),

Gene: Taquarus_27 Start: 19830, Stop: 21608, Start Num: 145

Candidate Starts for Taquarus_27:

(Start: 128 @19806 has 10 MA's), (Start: 145 @19830 has 749 MA's), (Start: 191 @19887 has 1 MA's), (Start: 220 @19941 has 45 MA's), (233, 19956), (240, 19974), (297, 20058), (303, 20070), (304, 20073), (349, 20148), (361, 20163), (381, 20202), (434, 20319), (470, 20406), (504, 20487), (521, 20535), (528, 20559), (560, 20646), (587, 20691), (617, 20763), (623, 20784), (629, 20802), (675, 20883), (708, 20976), (710, 20985), (717, 21009), (720, 21015), (731, 21039), (779, 21093), (791, 21114), (808, 21165), (815, 21189), (833, 21243), (865, 21339), (905, 21444), (909, 21459), (954, 21567), (959, 21585),

Gene: Taquito_22 Start: 18239, Stop: 20029, Start Num: 143

Candidate Starts for Taquito_22:

(Start: 121 @18203 has 1 MA's), (Start: 138 @18233 has 25 MA's), (Start: 143 @18239 has 53 MA's), (Start: 145 @18242 has 749 MA's), (Start: 193 @18299 has 1 MA's), (222, 18347), (Start: 239 @18386 has 1 MA's), (244, 18401), (251, 18419), (261, 18452), (276, 18482), (298, 18527), (304, 18545), (338, 18617), (341, 18623), (357, 18653), (395, 18719), (404, 18731), (456, 18866), (486, 18914), (488, 18920), (493, 18938), (508, 18968), (520, 19007), (586, 19133), (612, 19193), (613, 19196), (620, 19214), (623, 19229), (693, 19397), (710, 19451), (754, 19496), (781, 19541), (797, 19565), (808, 19598), (841, 19703), (845, 19715), (862, 19766), (865, 19772), (914, 19874), (960, 20000), (971, 20021),

Gene: Tardus_36 Start: 30115, Stop: 31737, Start Num: 190

Candidate Starts for Tardus_36:

(Start: 190 @30115 has 16 MA's), (205, 30136), (210, 30148), (237, 30199), (257, 30262), (294, 30334), (329, 30421), (354, 30472), (371, 30502), (417, 30583), (487, 30703), (489, 30709), (500, 30739), (504, 30748), (516, 30781), (517, 30784), (521, 30796), (537, 30844), (586, 30892), (589, 30901), (628, 31000), (649, 31039), (656, 31051), (701, 31168), (764, 31207), (787, 31246), (808, 31303), (822, 31342), (824, 31351), (839, 31408), (843, 31420), (862, 31477), (865, 31483), (875, 31504), (886, 31537), (909, 31582), (959, 31711), (961, 31720),

Gene: Target_30 Start: 22616, Stop: 24418, Start Num: 148

Candidate Starts for Target_30:

(Start: 148 @22616 has 202 MA's), (Start: 166 @22637 has 28 MA's), (Start: 191 @22679 has 1 MA's), (215, 22724), (349, 22940), (376, 22985), (381, 22994), (407, 23033), (425, 23084), (426, 23087), (507, 23282), (528, 23351), (616, 23552), (617, 23555), (623, 23576), (674, 23672), (675, 23675), (677, 23681), (701, 23750), (708, 23768), (710, 23777), (720, 23807), (779, 23903), (795, 23936), (802, 23951), (845, 24092), (865, 24149), (907, 24260),

Gene: Tarkin_26 Start: 20735, Stop: 22414, Start Num: 137

Candidate Starts for Tarkin_26:

(Start: 137 @20735 has 84 MA's), (Start: 197 @20819 has 47 MA's), (Start: 239 @20897 has 1 MA's), (272, 20984), (282, 20999), (301, 21047), (315, 21086), (363, 21173), (380, 21206), (404, 21242), (417, 21272), (418, 21278), (441, 21347), (483, 21377), (487, 21389), (488, 21392), (510, 21449), (587, 21581), (589, 21587), (617, 21653), (620, 21659), (626, 21683), (647, 21731), (659, 21755), (665, 21764), (695, 21839), (761, 21890), (772, 21905), (833, 22067), (841, 22094), (851, 22124), (890, 22229), (938, 22307), (947, 22343), (950, 22352), (959, 22385), (965, 22400),

Gene: TaronosaurusRx_19 Start: 16979, Stop: 18709, Start Num: 140

Candidate Starts for TaronosaurusRx_19:

(57, 16667), (84, 16862), (Start: 121 @16946 has 1 MA's), (Start: 126 @16958 has 1 MA's), (Start: 140 @16979 has 5 MA's), (296, 17216), (310, 17249), (425, 17462), (448, 17534), (469, 17576), (488, 17615), (495, 17642), (506, 17666), (519, 17708), (527, 17735), (528, 17738), (563, 17792), (574, 17798), (612, 17885), (734, 18176), (741, 18179), (785, 18245), (796, 18269), (804, 18287), (845, 18383), (851, 18401), (894, 18518), (909, 18557), (910, 18560), (915, 18572), (948, 18647), (956, 18674),

Gene: TarsusIV_28 Start: 20208, Stop: 21980, Start Num: 145

Candidate Starts for TarsusIV_28:

(103, 20142), (Start: 128 @20184 has 10 MA's), (Start: 145 @20208 has 749 MA's), (Start: 239 @20343 has 1 MA's), (246, 20361), (303, 20442), (304, 20445), (347, 20517), (349, 20520), (381, 20574), (434, 20691), (470, 20778), (504, 20859), (507, 20862), (582, 21048), (617, 21135), (629, 21174), (675, 21255), (717, 21381), (720, 21387), (802, 21513), (804, 21519), (832, 21612), (836, 21627), (865, 21711), (907, 21822), (935, 21876),

Gene: Tarynearal_23 Start: 19656, Stop: 21452, Start Num: 145

Candidate Starts for Tarynearal_23:

(Start: 145 @19656 has 749 MA's), (Start: 220 @19761 has 45 MA's), (240, 19794), (304, 19893), (349, 19968), (361, 19983), (379, 20019), (419, 20091), (423, 20106), (436, 20145), (445, 20172), (451, 20193), (476, 20232), (523, 20370), (527, 20376), (587, 20511), (612, 20568), (613, 20571), (616, 20580), (629, 20622), (637, 20640), (674, 20700), (675, 20703), (708, 20796), (710, 20805), (717, 20829), (777, 20937), (795, 20973), (865, 21183), (904, 21285), (907, 21294), (953, 21408), (959, 21429), (961, 21438),

Gene: Tarzan_18 Start: 14963, Stop: 16579, Start Num: 184

Candidate Starts for Tarzan_18:

(Start: 184 @14963 has 11 MA's), (237, 15062), (245, 15086), (294, 15197), (295, 15200), (301, 15218), (304, 15227), (335, 15293), (342, 15308), (346, 15317), (348, 15323), (390, 15395), (404, 15413), (423, 15467), (426, 15476), (457, 15530), (488, 15566), (489, 15569), (527, 15677), (584, 15749), (586, 15755), (589, 15764), (600, 15782), (632, 15872), (691, 15986), (695, 16004), (700, 16016), (779, 16082), (802, 16130), (805, 16142), (808, 16154), (814, 16175), (820, 16187), (824, 16202), (834, 16232), (844, 16268), (929, 16457), (951, 16520), (957, 16541), (965, 16565),

Gene: Tasp14_28 Start: 21346, Stop: 23148, Start Num: 148

Candidate Starts for Tasp14_28:

(Start: 148 @21346 has 202 MA's), (Start: 166 @21367 has 28 MA's), (Start: 191 @21409 has 1 MA's), (215, 21454), (349, 21670), (376, 21715), (381, 21724), (407, 21763), (425, 21814), (426, 21817), (463, 21910), (507, 22012), (528, 22081), (612, 22270), (616, 22282), (617, 22285), (623, 22306), (674, 22402), (675, 22405), (677, 22411), (701, 22480), (708, 22498), (710, 22507), (720, 22537), (779, 22633), (795, 22666), (802, 22681), (845, 22822), (865, 22879), (907, 22990),

Gene: Taurus_29 Start: 20378, Stop: 22174, Start Num: 145

Candidate Starts for Taurus_29:

(Start: 145 @20378 has 749 MA's), (Start: 191 @20435 has 1 MA's), (199, 20450), (216, 20483), (233, 20504), (Start: 239 @20519 has 1 MA's), (297, 20606), (303, 20618), (304, 20621), (349, 20696), (361, 20711), (379, 20747), (470, 20954), (516, 21068), (528, 21107), (560, 21194), (616, 21308), (623, 21332), (629, 21350), (675, 21431), (701, 21506), (708, 21524), (717, 21557), (720, 21563), (739, 21602), (777, 21656), (779, 21659), (791, 21680), (810, 21737), (865, 21905), (905, 22010), (907, 22016), (959, 22151),

Gene: Tayonia_19 Start: 17773, Stop: 19371, Start Num: 268

Candidate Starts for Tayonia_19:

(Start: 268 @17773 has 52 MA's), (414, 18022), (418, 18031), (424, 18049), (425, 18052), (443, 18106), (472, 18181), (496, 18250), (499, 18259), (505, 18271), (521, 18322), (529, 18349), (532, 18358), (534, 18361), (581, 18391), (582, 18394), (605, 18451), (628, 18517), (670, 18595), (683, 18628), (694, 18652), (705, 18688), (745, 18790), (779, 18847), (800, 18892), (803, 18898), (813, 18937), (894, 19177), (932, 19255),

Gene: TeardropMSU_23 Start: 19653, Stop: 21332, Start Num: 137

Candidate Starts for TeardropMSU_23:

(Start: 137 @19653 has 84 MA's), (Start: 197 @19737 has 47 MA's), (Start: 239 @19815 has 1 MA's), (272, 19902), (282, 19917), (301, 19965), (315, 20004), (363, 20091), (380, 20124), (404, 20160), (417, 20190), (418, 20196), (441, 20265), (483, 20295), (487, 20307), (488, 20310), (510, 20367), (587, 20499), (589, 20505), (617, 20571), (620, 20577), (626, 20601), (647, 20649), (659, 20673), (665, 20682), (695, 20757), (761, 20808), (772, 20823), (833, 20985), (841, 21012), (851, 21042), (890, 21147), (938, 21225), (947, 21261), (950, 21270), (959, 21303), (965, 21318),

Gene: Teaspoon_25 Start: 19699, Stop: 21378, Start Num: 137

Candidate Starts for Teaspoon_25:

(Start: 137 @19699 has 84 MA's), (Start: 197 @19783 has 47 MA's), (Start: 239 @19861 has 1 MA's), (272, 19948), (282, 19963), (301, 20011), (315, 20050), (363, 20137), (380, 20170), (404, 20206), (417, 20236), (418, 20242), (441, 20311), (483, 20341), (487, 20353), (488, 20356), (510, 20413), (587, 20545), (589, 20551), (617, 20617), (620, 20623), (626, 20647), (647, 20695), (659, 20719), (665, 20728), (695, 20803), (761, 20854), (772, 20869), (833, 21031), (841, 21058), (851, 21088), (890, 21193), (938, 21271), (947, 21307), (950, 21316), (959, 21349), (965, 21364),

Gene: Techage_19 Start: 16376, Stop: 18112, Start Num: 129

Candidate Starts for Techage_19:

(Start: 114 @16352 has 2 MA's), (Start: 129 @16376 has 45 MA's), (174, 16436), (185, 16457), (Start: 187 @16460 has 15 MA's), (250, 16580), (263, 16619), (279, 16652), (291, 16676), (341, 16796), (363, 16835), (365, 16841), (411, 16925), (415, 16931), (418, 16943), (425, 16967), (434, 16994), (441, 17012), (470, 17051), (481, 17057), (489, 17081), (510, 17135), (513, 17147), (517, 17156), (537, 17216), (595, 17294), (612, 17333), (622, 17366), (647, 17432), (654, 17447), (659, 17456), (669, 17480), (686, 17510), (691, 17522), (782, 17624), (788, 17636), (791, 17639), (794, 17645), (796, 17654), (830, 17762), (858, 17846), (898, 17945), (950, 18053), (965, 18101),

Gene: TelAviv_53 Start: 33442, Stop: 35178, Start Num: 118

Candidate Starts for TelAviv_53:

(Start: 113 @33433 has 2 MA's), (Start: 118 @33442 has 26 MA's), (180, 33532), (244, 33649), (256, 33685), (265, 33706), (277, 33733), (282, 33739), (303, 33793), (328, 33844), (404, 33982), (408, 33988), (424, 34039), (425, 34042), (431, 34060), (481, 34111), (488, 34132), (489, 34135), (509, 34183), (510, 34189), (523, 34237), (527, 34243), (530, 34249), (575, 34309), (586, 34333), (587, 34336), (606, 34381), (613, 34396), (616, 34405), (620, 34414), (636, 34459), (647, 34477), (665, 34510), (764, 34648), (777, 34669), (806, 34735), (814, 34765), (830, 34819), (844, 34861), (851, 34882), (858, 34903), (862, 34915), (872, 34936), (891, 34990), (938, 35068), (947, 35104), (953, 35125), (960, 35152),

Gene: Teodoridan_25 Start: 20467, Stop: 22269, Start Num: 148

Candidate Starts for Teodoridan_25:

(Start: 148 @20467 has 202 MA's), (Start: 166 @20488 has 28 MA's), (Start: 191 @20530 has 1 MA's), (215, 20575), (349, 20791), (376, 20836), (381, 20845), (407, 20884), (425, 20935), (426, 20938), (507, 21133), (528, 21202), (616, 21403), (617, 21406), (623, 21427), (674, 21523), (675, 21526), (677, 21532), (701, 21601), (708, 21619), (710, 21628), (720, 21658), (779, 21754), (795, 21787), (802, 21802), (845, 21943), (865, 22000), (907, 22111),

Gene: Terminus_24 Start: 19833, Stop: 21512, Start Num: 137

Candidate Starts for Terminus_24:

(Start: 137 @19833 has 84 MA's), (Start: 197 @19917 has 47 MA's), (Start: 239 @19995 has 1 MA's), (272, 20082), (282, 20097), (301, 20145), (315, 20184), (363, 20271), (380, 20304), (404, 20340), (417, 20370), (418, 20376), (441, 20445), (483, 20475), (487, 20487), (488, 20490), (510, 20547), (587, 20679), (589, 20685), (617, 20751), (620, 20757), (626, 20781), (647, 20829), (659, 20853), (665, 20862), (695, 20937), (761, 20988), (772, 21003), (833, 21165), (841, 21192), (851, 21222), (890, 21327), (938, 21405), (947, 21441), (950, 21450), (959, 21483), (965, 21498),

Gene: Terror_18 Start: 16666, Stop: 18420, Start Num: 164

Candidate Starts for Terror_18:

(67, 16453), (Start: 138 @16657 has 25 MA's), (Start: 164 @16666 has 42 MA's), (Start: 168 @16672 has 2 MA's), (172, 16678), (222, 16756), (244, 16810), (261, 16861), (276, 16891), (Start: 288 @16915 has 1 MA's), (335, 17017), (353, 17056), (357, 17062), (365, 17077), (439, 17242), (466, 17299), (488, 17338), (504, 17380), (508, 17386), (520, 17425), (565, 17524), (586, 17551), (605, 17596), (687, 17779), (693, 17797), (701, 17824), (760, 17908), (778, 17926), (792, 17941), (812, 18004), (833, 18067), (840, 18091), (851, 18124), (865, 18163), (882, 18205), (950, 18352), (971, 18412),

Gene: Tesla_49 Start: 27023, Stop: 28735, Start Num: 166

Candidate Starts for Tesla_49:

(120, 26960), (Start: 166 @27023 has 28 MA's), (211, 27104), (246, 27161), (276, 27242), (281, 27248), (317, 27305), (323, 27317), (329, 27329), (352, 27368), (363, 27383), (403, 27452), (423, 27506), (426, 27515), (491, 27671), (510, 27719), (512, 27728), (516, 27737), (528, 27776), (535, 27791), (583, 27854), (587, 27866), (629, 27983), (631, 27986), (657, 28037), (673, 28064), (675, 28067), (682, 28088), (698, 28130), (777, 28250), (787, 28268), (847, 28412), (862, 28457), (871, 28475), (904, 28559), (907, 28568), (912, 28586), (925, 28607), (944, 28652), (946, 28658), (950, 28670), (953, 28682), (959, 28703), (965, 28718), (969, 28724),

Gene: Texage_27 Start: 20456, Stop: 22255, Start Num: 145

Candidate Starts for Texage_27:

(Start: 145 @20456 has 749 MA's), (Start: 191 @20516 has 1 MA's), (233, 20585), (297, 20687), (303, 20699), (304, 20702), (349, 20777), (361, 20792), (381, 20831), (440, 20966), (470, 21035), (516, 21149), (560, 21275), (616, 21389), (623, 21413), (627, 21425), (629, 21431), (675, 21512), (701, 21587), (708, 21605), (710, 21614), (717, 21638), (720, 21644), (729, 21659), (749, 21692), (777, 21737), (779, 21740), (791, 21761), (833, 21890), (865, 21986), (905, 22091), (907, 22097), (959, 22232),

Gene: Thanksgivukkah_27 Start: 19831, Stop: 21609, Start Num: 145

Candidate Starts for Thanksgivukkah_27:

(Start: 128 @19807 has 10 MA's), (Start: 145 @19831 has 749 MA's), (Start: 191 @19888 has 1 MA's), (Start: 220 @19942 has 45 MA's), (233, 19957), (240, 19975), (297, 20059), (303, 20071), (304, 20074), (349, 20149), (361, 20164), (381, 20203), (434, 20320), (470, 20407), (504, 20488), (521, 20536), (528, 20560), (560, 20647), (587, 20692), (617, 20764), (623, 20785), (629, 20803), (675, 20884), (708, 20977), (710, 20986), (717, 21010), (720, 21016), (731, 21040), (779, 21094), (791, 21115), (808, 21166), (815, 21190), (865, 21340), (905, 21445), (909, 21460), (954, 21568), (959, 21586),

Gene: ThankyouJordi_18 Start: 17806, Stop: 19404, Start Num: 268

Candidate Starts for ThankyouJordi_18:

(108, 17509), (Start: 157 @17584 has 12 MA's), (172, 17605), (217, 17689), (Start: 268 @17806 has 52 MA's), (418, 18064), (424, 18082), (425, 18085), (443, 18139), (496, 18283), (505, 18304), (521,

18355), (532, 18391), (534, 18394), (582, 18427), (605, 18484), (683, 18661), (694, 18685), (705, 18721), (745, 18823), (779, 18880), (813, 18970), (894, 19210), (932, 19288),

Gene: Theia_22 Start: 19674, Stop: 21470, Start Num: 145

Candidate Starts for Theia_22:

(Start: 134 @19662 has 40 MA's), (Start: 145 @19674 has 749 MA's), (Start: 220 @19779 has 45 MA's), (240, 19812), (304, 19911), (349, 19986), (361, 20001), (379, 20037), (419, 20109), (423, 20124), (436, 20163), (516, 20358), (523, 20388), (527, 20394), (587, 20529), (612, 20586), (613, 20589), (616, 20598), (629, 20640), (637, 20658), (674, 20718), (675, 20721), (708, 20814), (710, 20823), (717, 20847), (777, 20955), (795, 20991), (865, 21201), (904, 21303), (907, 21312), (953, 21426), (959, 21447), (961, 21456),

Gene: TheloniousMonk_29 Start: 22760, Stop: 24562, Start Num: 148

Candidate Starts for TheloniousMonk_29:

(Start: 148 @22760 has 202 MA's), (Start: 166 @22781 has 28 MA's), (Start: 191 @22823 has 1 MA's), (215, 22868), (349, 23084), (376, 23129), (381, 23138), (407, 23177), (425, 23228), (426, 23231), (507, 23426), (528, 23495), (616, 23696), (617, 23699), (623, 23720), (674, 23816), (675, 23819), (677, 23825), (701, 23894), (708, 23912), (710, 23921), (720, 23951), (779, 24047), (795, 24080), (802, 24095), (845, 24236), (865, 24293), (907, 24404),

Gene: Thespis_19 Start: 16385, Stop: 18121, Start Num: 129

Candidate Starts for Thespis_19:

(Start: 114 @16361 has 2 MA's), (Start: 129 @16385 has 45 MA's), (174, 16445), (185, 16466), (Start: 187 @16469 has 15 MA's), (250, 16589), (263, 16628), (279, 16661), (291, 16685), (341, 16805), (363, 16844), (365, 16850), (411, 16934), (415, 16940), (418, 16952), (425, 16976), (434, 17003), (441, 17021), (470, 17060), (481, 17066), (489, 17090), (510, 17144), (513, 17156), (517, 17165), (537, 17225), (595, 17303), (612, 17342), (622, 17375), (647, 17441), (654, 17456), (659, 17465), (669, 17489), (686, 17519), (691, 17531), (782, 17633), (788, 17645), (791, 17648), (794, 17654), (796, 17663), (830, 17771), (858, 17855), (898, 17954), (950, 18062), (965, 18110),

Gene: Thibault_33 Start: 27746, Stop: 29479, Start Num: 133

Candidate Starts for Thibault_33:

(Start: 133 @27746 has 29 MA's), (Start: 197 @27836 has 47 MA's), (223, 27884), (237, 27914), (247, 27941), (291, 28043), (302, 28073), (345, 28172), (365, 28208), (380, 28235), (406, 28274), (418, 28307), (421, 28316), (488, 28445), (489, 28448), (493, 28463), (510, 28502), (523, 28550), (530, 28562), (531, 28568), (579, 28625), (587, 28646), (595, 28664), (615, 28712), (656, 28814), (686, 28874), (691, 28886), (772, 28970), (779, 28982), (782, 28988), (788, 29000), (791, 29003), (805, 29042), (810, 29060), (823, 29096), (824, 29102), (851, 29189), (885, 29279), (909, 29321), (919, 29339), (936, 29369), (948, 29411), (965, 29465),

Gene: Thimann_20 Start: 17295, Stop: 18875, Start Num: 268

Candidate Starts for Thimann_20:

(217, 17178), (Start: 268 @17295 has 52 MA's), (418, 17553), (425, 17574), (443, 17628), (459, 17667), (482, 17724), (489, 17745), (582, 17916), (588, 17934), (601, 17958), (608, 17979), (628, 18021), (671, 18102), (705, 18192), (745, 18294), (748, 18297), (779, 18351), (813, 18441), (913, 18720), (918, 18729), (932, 18759),

Gene: Thing3_34 Start: 30813, Stop: 32576, Start Num: 107

Candidate Starts for Thing3_34:

(100, 30795), (Start: 107 @30813 has 72 MA's), (Start: 126 @30849 has 1 MA's), (216, 30987), (259, 31083), (265, 31092), (319, 31161), (349, 31212), (376, 31257), (385, 31272), (425, 31353), (440, 31398), (443, 31407), (463, 31446), (487, 31497), (488, 31500), (495, 31527), (503, 31542), (510, 31566), (520, 31596), (586, 31701), (629, 31818), (644, 31836), (649, 31851), (668, 31881), (674,

31893), (675, 31896), (686, 31923), (845, 32247), (846, 32250), (862, 32298), (875, 32325), (884, 32352), (905, 32406), (913, 32433), (961, 32562),

Gene: Thor_27 Start: 21221, Stop: 23023, Start Num: 148

Candidate Starts for Thor_27:

(Start: 148 @21221 has 202 MA's), (Start: 166 @21242 has 28 MA's), (Start: 191 @21284 has 1 MA's), (215, 21329), (349, 21545), (376, 21590), (381, 21599), (425, 21689), (426, 21692), (463, 21785), (507, 21887), (528, 21956), (612, 22145), (616, 22157), (617, 22160), (623, 22181), (674, 22277), (675, 22280), (677, 22286), (701, 22355), (708, 22373), (710, 22382), (720, 22412), (779, 22508), (795, 22541), (802, 22556), (845, 22697), (865, 22754), (907, 22865), (966, 23018),

Gene: ThreeRngTarjay_35 Start: 27471, Stop: 29469, Start Num: 133

Candidate Starts for ThreeRngTarjay_35:

(Start: 133 @27471 has 29 MA's), (Start: 197 @27561 has 47 MA's), (223, 27609), (237, 27639), (247, 27666), (291, 27768), (302, 27798), (345, 27897), (365, 27933), (367, 27939), (380, 27960), (418, 28032), (421, 28041), (427, 28062), (467, 28131), (488, 28170), (489, 28173), (493, 28188), (510, 28227), (523, 28275), (530, 28287), (531, 28293), (573, 28341), (579, 28350), (587, 28371), (595, 28389), (615, 28437), (656, 28539), (691, 28611), (706, 28656), (709, 28668), (726, 28803), (727, 28809), (728, 28833), (740, 28905), (754, 28932), (852, 29181),

Gene: Thresher_25 Start: 20500, Stop: 22179, Start Num: 137

Candidate Starts for Thresher_25:

(Start: 137 @20500 has 84 MA's), (Start: 197 @20584 has 47 MA's), (Start: 239 @20662 has 1 MA's), (272, 20749), (282, 20764), (301, 20812), (315, 20851), (363, 20938), (380, 20971), (404, 21007), (417, 21037), (418, 21043), (441, 21112), (483, 21142), (487, 21154), (488, 21157), (510, 21214), (587, 21346), (589, 21352), (617, 21418), (620, 21424), (626, 21448), (647, 21496), (659, 21520), (665, 21529), (695, 21604), (761, 21655), (772, 21670), (833, 21832), (841, 21859), (851, 21889), (890, 21994), (938, 22072), (947, 22108), (950, 22117), (959, 22150), (965, 22165),

Gene: ThulaThula_18 Start: 16085, Stop: 17821, Start Num: 129

Candidate Starts for ThulaThula_18:

(Start: 129 @16085 has 45 MA's), (185, 16166), (Start: 187 @16169 has 15 MA's), (218, 16220), (221, 16223), (Start: 228 @16232 has 2 MA's), (250, 16289), (263, 16328), (272, 16349), (279, 16361), (290, 16382), (291, 16385), (294, 16391), (341, 16505), (363, 16544), (365, 16550), (422, 16664), (438, 16715), (441, 16721), (470, 16760), (481, 16766), (489, 16790), (510, 16844), (513, 16856), (517, 16865), (537, 16925), (586, 16982), (595, 17003), (612, 17042), (622, 17075), (647, 17141), (659, 17165), (669, 17189), (686, 17219), (691, 17231), (782, 17333), (788, 17345), (791, 17348), (794, 17354), (796, 17363), (830, 17471), (858, 17555), (885, 17624), (898, 17654), (959, 17795), (965, 17810),

Gene: Thyatira_21 Start: 17495, Stop: 19267, Start Num: 150

Candidate Starts for Thyatira_21:

(Start: 150 @17495 has 25 MA's), (155, 17501), (172, 17525), (Start: 193 @17558 has 1 MA's), (222, 17606), (244, 17660), (261, 17711), (291, 17774), (341, 17882), (404, 17990), (443, 18104), (444, 18107), (465, 18146), (482, 18161), (486, 18173), (488, 18179), (504, 18221), (508, 18227), (520, 18266), (527, 18290), (586, 18392), (613, 18455), (627, 18500), (693, 18635), (754, 18734), (802, 18812), (808, 18836), (814, 18857), (820, 18869), (822, 18875), (845, 18953), (847, 18959), (914, 19112), (955, 19217), (956, 19220), (960, 19238),

Gene: Tiamoceli_33 Start: 28384, Stop: 30003, Start Num: 192

Candidate Starts for Tiamoceli_33:

(Start: 192 @28384 has 10 MA's), (205, 28405), (237, 28468), (289, 28591), (294, 28603), (310, 28660), (354, 28738), (420, 28861), (489, 28975), (500, 29005), (516, 29047), (537, 29110), (586,

29158), (589, 29167), (612, 29218), (628, 29266), (700, 29431), (755, 29461), (806, 29560), (808, 29569), (809, 29572), (824, 29617), (839, 29674), (841, 29680), (843, 29686), (859, 29734), (862, 29743), (865, 29749), (867, 29752), (886, 29803), (909, 29848), (941, 29917), (956, 29965), (959, 29977),

Gene: Tierra_22 Start: 17047, Stop: 18813, Start Num: 145

Candidate Starts for Tierra_22:

(Start: 138 @17038 has 25 MA's), (Start: 145 @17047 has 749 MA's), (Start: 170 @17077 has 1 MA's), (Start: 239 @17203 has 1 MA's), (244, 17218), (251, 17236), (261, 17269), (276, 17299), (298, 17344), (338, 17434), (357, 17470), (404, 17548), (409, 17557), (436, 17641), (439, 17650), (443, 17662), (444, 17665), (465, 17704), (482, 17719), (488, 17737), (504, 17779), (508, 17785), (593, 17968), (619, 18028), (663, 18112), (669, 18130), (693, 18190), (742, 18265), (754, 18289), (797, 18349), (808, 18382), (809, 18385), (814, 18403), (823, 18424), (845, 18499), (862, 18550), (865, 18556), (875, 18577), (909, 18649), (938, 18700), (960, 18784), (961, 18787), (971, 18805),

Gene: Tiffany_29 Start: 20273, Stop: 22069, Start Num: 145

Candidate Starts for Tiffany_29:

(Start: 145 @20273 has 749 MA's), (Start: 191 @20330 has 1 MA's), (199, 20345), (216, 20378), (233, 20399), (Start: 239 @20414 has 1 MA's), (297, 20501), (303, 20513), (304, 20516), (349, 20591), (361, 20606), (379, 20642), (470, 20849), (516, 20963), (528, 21002), (560, 21089), (616, 21203), (623, 21227), (629, 21245), (675, 21326), (701, 21401), (708, 21419), (717, 21452), (720, 21458), (739, 21497), (777, 21551), (779, 21554), (791, 21575), (810, 21632), (865, 21800), (905, 21905), (907, 21911), (959, 22046),

Gene: Tiger_24 Start: 19558, Stop: 21354, Start Num: 145

Candidate Starts for Tiger_24:

(Start: 145 @19558 has 749 MA's), (Start: 220 @19663 has 45 MA's), (240, 19696), (304, 19795), (349, 19870), (361, 19885), (379, 19921), (419, 19993), (423, 20008), (434, 20041), (436, 20047), (516, 20242), (523, 20272), (527, 20278), (587, 20413), (612, 20470), (613, 20473), (616, 20482), (629, 20524), (637, 20542), (674, 20602), (675, 20605), (708, 20698), (710, 20707), (717, 20731), (777, 20839), (795, 20875), (865, 21085), (904, 21187), (907, 21196), (953, 21310), (959, 21331), (961, 21340),

Gene: TillyBobJoe_31 Start: 25649, Stop: 27415, Start Num: 107

Candidate Starts for TillyBobJoe_31:

(90, 25607), (Start: 107 @25649 has 72 MA's), (Start: 126 @25685 has 1 MA's), (Start: 150 @25718 has 25 MA's), (263, 25928), (265, 25931), (303, 25961), (333, 26027), (349, 26051), (356, 26060), (375, 26093), (443, 26246), (463, 26285), (487, 26336), (491, 26348), (495, 26366), (501, 26378), (506, 26390), (510, 26405), (520, 26435), (521, 26438), (527, 26459), (583, 26531), (602, 26579), (649, 26690), (669, 26723), (687, 26765), (710, 26837), (753, 26903), (759, 26915), (845, 27086), (846, 27089), (862, 27137), (875, 27164), (884, 27191), (886, 27197), (905, 27245), (951, 27362), (957, 27383),

Gene: TimTam_19 Start: 17764, Stop: 19362, Start Num: 268

Candidate Starts for TimTam_19:

(Start: 268 @17764 has 52 MA's), (418, 18022), (424, 18040), (425, 18043), (443, 18097), (472, 18172), (496, 18241), (499, 18250), (505, 18262), (521, 18313), (529, 18340), (532, 18349), (534, 18352), (582, 18385), (605, 18442), (628, 18508), (683, 18619), (694, 18643), (705, 18679), (745, 18781), (779, 18838), (813, 18928), (894, 19168), (932, 19246),

Gene: Timothy_28 Start: 20749, Stop: 22548, Start Num: 145

Candidate Starts for Timothy_28:

(103, 20683), (Start: 128 @20725 has 10 MA's), (Start: 145 @20749 has 749 MA's), (185, 20791), (240, 20887), (246, 20902), (303, 20983), (304, 20986), (349, 21061), (361, 21076), (381, 21115), (385, 21121), (434, 21232), (436, 21238), (470, 21319), (507, 21403), (551, 21529), (558, 21547), (574, 21574), (629, 21715), (668, 21781), (674, 21793), (675, 21796), (749, 21985), (765, 22012), (773, 22021), (783, 22042), (785, 22045), (795, 22066), (802, 22081), (808, 22105), (832, 22180), (836, 22195), (865, 22279), (905, 22384), (907, 22390), (935, 22444), (966, 22543),

Gene: Timshel_28 Start: 22851, Stop: 24653, Start Num: 145

Candidate Starts for Timshel_28:

(103, 22785), (Start: 128 @22827 has 10 MA's), (Start: 134 @22839 has 40 MA's), (Start: 145 @22851 has 749 MA's), (201, 22917), (303, 23082), (304, 23085), (349, 23160), (361, 23175), (436, 23337), (438, 23343), (470, 23418), (523, 23562), (583, 23688), (587, 23700), (616, 23769), (629, 23811), (674, 23907), (675, 23910), (680, 23925), (701, 23985), (708, 24003), (710, 24012), (717, 24036), (720, 24042), (777, 24135), (779, 24138), (795, 24171), (802, 24186), (811, 24222), (813, 24228), (841, 24315), (844, 24324), (896, 24465), (907, 24495), (909, 24504), (951, 24600), (965, 24645),

Gene: TinaFeyge_27 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for TinaFeyge_27:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (833, 21237), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: TiniBug_23 Start: 17099, Stop: 18865, Start Num: 145

Candidate Starts for TiniBug_23:

(Start: 145 @17099 has 749 MA's), (Start: 170 @17129 has 1 MA's), (261, 17321), (276, 17351), (291, 17384), (298, 17396), (338, 17486), (361, 17528), (404, 17600), (409, 17609), (422, 17648), (436, 17693), (444, 17717), (488, 17789), (504, 17831), (508, 17837), (516, 17864), (586, 18002), (593, 18020), (612, 18062), (628, 18110), (647, 18137), (693, 18242), (750, 18332), (809, 18437), (820, 18467), (823, 18476), (845, 18551), (862, 18602), (950, 18797), (960, 18836), (961, 18839), (971, 18857),

Gene: TinyDot_19 Start: 15300, Stop: 16880, Start Num: 268

Candidate Starts for TinyDot_19:

(Start: 268 @15300 has 52 MA's), (340, 15420), (425, 15579), (439, 15621), (452, 15663), (489, 15753), (502, 15795), (505, 15801), (581, 15921), (610, 15993), (639, 16056), (688, 16146), (725, 16263), (813, 16446), (850, 16560), (860, 16590), (876, 16632), (918, 16734), (924, 16749),

Gene: TinyTimmy_27 Start: 20792, Stop: 22591, Start Num: 145

Candidate Starts for TinyTimmy_27:

(103, 20726), (Start: 128 @20768 has 10 MA's), (Start: 145 @20792 has 749 MA's), (185, 20834), (240, 20930), (246, 20945), (303, 21026), (304, 21029), (349, 21104), (361, 21119), (381, 21158), (385, 21164), (415, 21215), (434, 21275), (436, 21281), (470, 21362), (507, 21446), (551, 21572), (558, 21590), (574, 21617), (629, 21758), (668, 21824), (674, 21836), (675, 21839), (716, 21962), (749, 22028), (765, 22055), (783, 22085), (785, 22088), (795, 22109), (802, 22124), (808, 22148), (832, 22223), (836, 22238), (865, 22322), (905, 22427), (907, 22433), (935, 22487), (966, 22586),

Gene: Tinybot_26 Start: 19804, Stop: 21585, Start Num: 145

Candidate Starts for Tinybot_26:

(Start: 128 @19780 has 10 MA's), (Start: 145 @19804 has 749 MA's), (Start: 150 @19810 has 25 MA's), (Start: 191 @19864 has 1 MA's), (199, 19879), (233, 19933), (240, 19951), (297, 20035), (303, 20047), (304, 20050), (349, 20125), (361, 20140), (381, 20179), (434, 20296), (470, 20383), (504, 20464), (521, 20512), (528, 20536), (560, 20623), (587, 20668), (617, 20740), (623, 20761), (629, 20779), (675, 20860), (708, 20953), (710, 20962), (717, 20986), (720, 20992), (731, 21016), (779, 21070), (791, 21091), (808, 21142), (815, 21166), (865, 21316), (905, 21421), (909, 21436), (954, 21544), (959, 21562),

Gene: TopsytheTRex_27 Start: 19306, Stop: 21096, Start Num: 145

Candidate Starts for TopsytheTRex_27:

(103, 19240), (Start: 128 @19282 has 10 MA's), (Start: 145 @19306 has 749 MA's), (246, 19459), (303, 19540), (304, 19543), (347, 19615), (349, 19618), (361, 19633), (381, 19672), (385, 19678), (423, 19756), (434, 19789), (436, 19795), (448, 19834), (470, 19876), (501, 19951), (504, 19957), (507, 19960), (523, 20020), (582, 20146), (616, 20230), (629, 20272), (657, 20323), (675, 20353), (717, 20479), (753, 20542), (795, 20614), (802, 20629), (808, 20653), (832, 20728), (836, 20743), (865, 20827), (905, 20932), (907, 20938), (928, 20983), (935, 20992),

Gene: Tiri_23 Start: 17160, Stop: 18926, Start Num: 145

Candidate Starts for Tiri_23:

(Start: 145 @17160 has 749 MA's), (Start: 170 @17190 has 1 MA's), (251, 17349), (261, 17382), (276, 17412), (291, 17445), (298, 17457), (338, 17547), (361, 17589), (404, 17661), (409, 17670), (422, 17709), (436, 17754), (443, 17775), (444, 17778), (482, 17832), (488, 17850), (504, 17892), (508, 17898), (516, 17925), (586, 18063), (593, 18081), (612, 18123), (619, 18141), (628, 18171), (647, 18198), (693, 18303), (797, 18462), (809, 18498), (820, 18528), (823, 18537), (845, 18612), (862, 18663), (950, 18858), (960, 18897), (961, 18900), (971, 18918),

Gene: TiroTheta9_27 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for TiroTheta9_27:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (833, 21237), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: Toaka_27 Start: 19911, Stop: 21698, Start Num: 145

Candidate Starts for Toaka_27:

(103, 19845), (Start: 128 @19887 has 10 MA's), (Start: 145 @19911 has 749 MA's), (303, 20145), (304, 20148), (347, 20220), (349, 20223), (381, 20277), (385, 20283), (434, 20394), (436, 20400), (470, 20481), (504, 20562), (507, 20565), (523, 20625), (528, 20634), (609, 20814), (617, 20838), (629, 20877), (657, 20928), (675, 20958), (739, 21129), (779, 21186), (783, 21195), (802, 21234), (808, 21258), (832, 21333), (847, 21378), (865, 21429), (890, 21495), (905, 21534), (907, 21540), (928, 21585), (950, 21642),

Gene: Toast_19 Start: 16740, Stop: 18389, Start Num: 220

Candidate Starts for Toast_19:

(4, 15693), (6, 15738), (7, 15762), (8, 15768), (9, 15876), (10, 15924), (16, 15996), (22, 16071), (41, 16209), (44, 16239), (47, 16245), (64, 16377), (70, 16434), (74, 16443), (Start: 128 @16602 has 10 MA's), (196, 16704), (Start: 220 @16740 has 45 MA's), (261, 16845), (295, 16923), (318, 16983), (324, 16995), (327, 16998), (423, 17196), (428, 17211), (470, 17295), (482, 17307), (485, 17316), (486, 17319), (492, 17340), (510, 17382), (520, 17412), (620, 17595), (626, 17619), (658, 17670), (672, 17703), (695, 17763), (700, 17775), (736, 17817), (747, 17835), (810, 17970), (841, 18069),

(847, 18087), (865, 18138), (888, 18198), (890, 18204), (935, 18279),

Gene: Todacoro_28 Start: 20455, Stop: 22254, Start Num: 145

Candidate Starts for Todacoro_28:

(Start: 145 @20455 has 749 MA's), (Start: 191 @20515 has 1 MA's), (233, 20584), (297, 20686), (303, 20698), (304, 20701), (349, 20776), (361, 20791), (381, 20830), (440, 20965), (470, 21034), (516, 21148), (560, 21274), (616, 21388), (623, 21412), (627, 21424), (629, 21430), (675, 21511), (701, 21586), (708, 21604), (710, 21613), (717, 21637), (720, 21643), (729, 21658), (749, 21691), (777, 21736), (779, 21739), (791, 21760), (833, 21889), (865, 21985), (905, 22090), (907, 22096), (959, 22231),

Gene: Togo_31 Start: 25850, Stop: 27616, Start Num: 107

Candidate Starts for Togo_31:

(90, 25808), (Start: 107 @25850 has 72 MA's), (Start: 126 @25886 has 1 MA's), (Start: 150 @25919 has 25 MA's), (263, 26129), (265, 26132), (303, 26162), (333, 26228), (349, 26252), (356, 26261), (375, 26294), (443, 26447), (463, 26486), (487, 26537), (491, 26549), (495, 26567), (501, 26579), (506, 26591), (510, 26606), (520, 26636), (521, 26639), (527, 26660), (583, 26732), (602, 26780), (649, 26891), (669, 26924), (686, 26963), (687, 26966), (710, 27038), (753, 27104), (759, 27116), (845, 27287), (846, 27290), (862, 27338), (875, 27365), (884, 27392), (886, 27398), (905, 27446), (951, 27563), (957, 27584), (966, 27611),

Gene: Tolls_20 Start: 15401, Stop: 17098, Start Num: 145

Candidate Starts for Tolls_20:

(Start: 135 @15398 has 8 MA's), (Start: 145 @15401 has 749 MA's), (213, 15503), (Start: 220 @15515 has 45 MA's), (263, 15611), (328, 15695), (379, 15785), (415, 15845), (423, 15872), (433, 15902), (434, 15905), (463, 15974), (481, 16007), (485, 16019), (486, 16022), (492, 16043), (493, 16046), (516, 16112), (520, 16124), (606, 16289), (675, 16439), (680, 16454), (689, 16472), (708, 16529), (802, 16670), (804, 16676), (807, 16688), (818, 16697), (844, 16769), (845, 16772), (847, 16778), (851, 16790), (890, 16895), (893, 16904), (907, 16937),

Gene: TomBrady_18 Start: 16650, Stop: 18404, Start Num: 164

Candidate Starts for TomBrady_18:

(Start: 138 @16641 has 25 MA's), (Start: 164 @16650 has 42 MA's), (Start: 168 @16656 has 2 MA's), (172, 16662), (244, 16794), (261, 16845), (276, 16875), (Start: 288 @16899 has 1 MA's), (335, 17001), (353, 17040), (357, 17046), (365, 17061), (392, 17106), (439, 17226), (466, 17283), (488, 17322), (508, 17370), (516, 17397), (520, 17409), (548, 17490), (586, 17535), (675, 17733), (687, 17763), (693, 17781), (701, 17808), (760, 17892), (778, 17910), (792, 17925), (808, 17973), (812, 17988), (833, 18051), (851, 18108), (865, 18147), (882, 18189), (909, 18240), (950, 18336), (971, 18396),

Gene: Tomaszewski_23 Start: 19346, Stop: 21025, Start Num: 137

Candidate Starts for Tomaszewski_23:

(Start: 137 @19346 has 84 MA's), (Start: 197 @19430 has 47 MA's), (Start: 239 @19508 has 1 MA's), (272, 19595), (282, 19610), (301, 19658), (315, 19697), (363, 19784), (380, 19817), (404, 19853), (417, 19883), (418, 19889), (441, 19958), (483, 19988), (487, 20000), (488, 20003), (510, 20060), (587, 20192), (589, 20198), (617, 20264), (620, 20270), (626, 20294), (647, 20342), (659, 20366), (665, 20375), (695, 20450), (761, 20501), (772, 20516), (833, 20678), (841, 20705), (851, 20735), (890, 20840), (938, 20918), (947, 20954), (950, 20963), (959, 20996), (965, 21011),

Gene: Tomathan_31 Start: 20049, Stop: 21839, Start Num: 145

Candidate Starts for Tomathan_31:

(103, 19983), (Start: 128 @20025 has 10 MA's), (Start: 145 @20049 has 749 MA's), (303, 20283), (304, 20286), (347, 20358), (349, 20361), (361, 20376), (381, 20415), (385, 20421), (434, 20532),

(440, 20550), (470, 20619), (504, 20700), (507, 20703), (560, 20859), (582, 20889), (675, 21096), (717, 21222), (779, 21324), (795, 21357), (802, 21372), (808, 21396), (832, 21471), (833, 21474), (836, 21486), (865, 21570), (894, 21648), (905, 21675), (907, 21681), (928, 21726), (935, 21735), (959, 21816),

Gene: ToneTone_29 Start: 19903, Stop: 21675, Start Num: 145

Candidate Starts for ToneTone_29:

(103, 19837), (Start: 128 @19879 has 10 MA's), (Start: 145 @19903 has 749 MA's), (304, 20140), (347, 20212), (349, 20215), (361, 20230), (381, 20269), (385, 20275), (434, 20386), (436, 20392), (448, 20431), (470, 20473), (488, 20512), (504, 20554), (507, 20557), (560, 20713), (624, 20854), (629, 20869), (720, 21082), (791, 21181), (802, 21208), (817, 21259), (821, 21268), (832, 21307), (836, 21322), (865, 21406), (905, 21511), (907, 21517), (959, 21652),

Gene: Toniann_48 Start: 29557, Stop: 31248, Start Num: 154

Candidate Starts for Toniann_48:

(Start: 154 @29557 has 21 MA's), (Start: 193 @29617 has 1 MA's), (208, 29650), (229, 29683), (276, 29809), (291, 29842), (295, 29851), (351, 29980), (378, 30028), (510, 30241), (511, 30247), (520, 30271), (600, 30400), (606, 30421), (620, 30454), (695, 30652), (810, 30805), (841, 30904), (845, 30916), (848, 30925), (880, 31009), (948, 31156), (958, 31192), (961, 31204),

Gene: TootsiePop_17 Start: 14677, Stop: 16386, Start Num: 132

Candidate Starts for TootsiePop_17:

(Start: 132 @14677 has 199 MA's), (198, 14764), (Start: 228 @14809 has 2 MA's), (237, 14833), (277, 14938), (282, 14944), (290, 14962), (294, 14971), (301, 14992), (349, 15097), (383, 15157), (389, 15166), (398, 15178), (404, 15187), (415, 15211), (425, 15247), (427, 15253), (431, 15265), (438, 15286), (439, 15289), (442, 15298), (459, 15313), (467, 15319), (481, 15337), (486, 15352), (488, 15358), (493, 15376), (494, 15379), (501, 15394), (509, 15409), (510, 15415), (523, 15463), (530, 15475), (531, 15481), (586, 15541), (590, 15553), (595, 15562), (606, 15589), (612, 15601), (620, 15622), (644, 15676), (647, 15685), (659, 15709), (671, 15739), (755, 15844), (764, 15856), (785, 15892), (813, 15970), (844, 16069), (851, 16090), (862, 16123), (877, 16153), (886, 16183), (888, 16189), (889, 16192), (891, 16198), (905, 16213), (906, 16216), (914, 16237), (940, 16282), (959, 16354), (960, 16360),

Gene: Tootsieroll_17 Start: 14648, Stop: 16357, Start Num: 132

Candidate Starts for Tootsieroll_17:

(Start: 132 @14648 has 199 MA's), (198, 14735), (Start: 228 @14780 has 2 MA's), (237, 14804), (256, 14861), (277, 14909), (282, 14915), (290, 14933), (301, 14963), (349, 15068), (383, 15128), (389, 15137), (404, 15158), (415, 15182), (425, 15218), (427, 15224), (438, 15257), (439, 15260), (442, 15269), (459, 15284), (467, 15290), (481, 15308), (486, 15323), (488, 15329), (493, 15347), (494, 15350), (501, 15365), (503, 15368), (509, 15380), (510, 15386), (523, 15434), (530, 15446), (531, 15452), (586, 15512), (590, 15524), (606, 15560), (612, 15572), (644, 15647), (647, 15656), (656, 15674), (659, 15680), (671, 15710), (755, 15815), (761, 15824), (764, 15827), (785, 15863), (813, 15941), (844, 16040), (851, 16061), (862, 16094), (877, 16124), (886, 16154), (889, 16163), (891, 16169), (905, 16184), (906, 16187), (916, 16211), (935, 16241), (940, 16253), (947, 16283), (959, 16325),

Gene: Topanga_27 Start: 19924, Stop: 21702, Start Num: 145

Candidate Starts for Topanga_27:

(Start: 145 @19924 has 749 MA's), (Start: 191 @19981 has 1 MA's), (199, 19996), (216, 20029), (233, 20050), (297, 20152), (303, 20164), (304, 20167), (349, 20242), (361, 20257), (381, 20296), (434, 20413), (440, 20431), (470, 20500), (501, 20575), (516, 20614), (528, 20653), (560, 20740), (587, 20785), (616, 20854), (623, 20878), (627, 20890), (629, 20896), (675, 20977), (708, 21070), (710, 21079), (717, 21103), (720, 21109), (729, 21124), (757, 21157), (791, 21208), (798, 21226), (841,

21364), (845, 21376), (865, 21433), (877, 21457), (879, 21463), (905, 21538), (907, 21544), (909, 21553), (938, 21604), (959, 21679),

Gene: Topgun_27 Start: 20974, Stop: 22776, Start Num: 148

Candidate Starts for Topgun_27:

(Start: 148 @20974 has 202 MA's), (Start: 166 @20995 has 28 MA's), (Start: 191 @21037 has 1 MA's), (215, 21082), (349, 21298), (376, 21343), (381, 21352), (425, 21442), (426, 21445), (507, 21640), (528, 21709), (612, 21898), (616, 21910), (617, 21913), (623, 21934), (674, 22030), (675, 22033), (677, 22039), (701, 22108), (708, 22126), (710, 22135), (720, 22165), (779, 22261), (795, 22294), (802, 22309), (810, 22339), (845, 22450), (865, 22507), (907, 22618),

Gene: Topper_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Topper_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: Tortellini_18 Start: 15988, Stop: 17724, Start Num: 129

Candidate Starts for Tortellini_18:

(Start: 129 @15988 has 45 MA's), (Start: 187 @16072 has 15 MA's), (218, 16123), (221, 16126), (Start: 228 @16135 has 2 MA's), (250, 16192), (256, 16213), (279, 16264), (291, 16288), (295, 16297), (341, 16408), (363, 16447), (418, 16555), (422, 16567), (439, 16621), (441, 16624), (470, 16663), (481, 16669), (488, 16690), (489, 16693), (510, 16747), (517, 16768), (582, 16873), (595, 16906), (612, 16945), (622, 16978), (647, 17044), (659, 17068), (669, 17092), (686, 17122), (691, 17134), (782, 17236), (788, 17248), (794, 17257), (796, 17266), (828, 17365), (830, 17374), (858, 17458), (898, 17557), (959, 17698), (965, 17713),

Gene: Tote_29 Start: 21585, Stop: 23387, Start Num: 148

Candidate Starts for Tote_29:

(Start: 148 @21585 has 202 MA's), (Start: 166 @21606 has 28 MA's), (Start: 191 @21648 has 1 MA's), (215, 21693), (349, 21909), (376, 21954), (381, 21963), (407, 22002), (425, 22053), (426, 22056), (507, 22251), (528, 22320), (616, 22521), (617, 22524), (623, 22545), (674, 22641), (675, 22644), (677, 22650), (701, 22719), (708, 22737), (710, 22746), (720, 22776), (779, 22872), (795, 22905), (802, 22920), (845, 23061), (865, 23118), (907, 23229),

Gene: Totinger_17 Start: 14596, Stop: 16305, Start Num: 132

Candidate Starts for Totinger_17:

(Start: 132 @14596 has 199 MA's), (198, 14683), (Start: 228 @14728 has 2 MA's), (237, 14752), (277, 14857), (282, 14863), (290, 14881), (301, 14911), (349, 15016), (383, 15076), (395, 15094), (398, 15097), (404, 15106), (415, 15130), (481, 15256), (486, 15271), (488, 15277), (501, 15313), (503, 15316), (509, 15328), (510, 15334), (523, 15382), (530, 15394), (531, 15400), (586, 15460), (590, 15472), (606, 15508), (612, 15520), (644, 15595), (647, 15604), (656, 15622), (659, 15628), (671, 15658), (755, 15763), (764, 15775), (785, 15811), (813, 15889), (851, 16009), (862, 16042), (877, 16072), (880, 16084), (886, 16102), (888, 16108), (889, 16111), (891, 16117), (905, 16132), (906, 16135), (914, 16156), (916, 16159), (940, 16201), (947, 16231), (959, 16273), (960, 16279),

Gene: Toto_24 Start: 19830, Stop: 21425, Start Num: 197

Candidate Starts for Toto_24:

(Start: 137 @19746 has 84 MA's), (Start: 197 @19830 has 47 MA's), (Start: 239 @19908 has 1 MA's), (272, 19995), (282, 20010), (301, 20058), (315, 20097), (363, 20184), (380, 20217), (404, 20253),

(417, 20283), (418, 20289), (441, 20358), (483, 20388), (487, 20400), (488, 20403), (510, 20460), (587, 20592), (589, 20598), (617, 20664), (620, 20670), (626, 20694), (647, 20742), (659, 20766), (665, 20775), (695, 20850), (761, 20901), (772, 20916), (833, 21078), (841, 21105), (851, 21135), (890, 21240), (938, 21318), (947, 21354), (950, 21363), (959, 21396), (965, 21411),

Gene: TouchMeNot_19 Start: 17425, Stop: 19089, Start Num: 148

Candidate Starts for TouchMeNot_19:

(Start: 148 @17425 has 202 MA's), (174, 17458), (329, 17716), (376, 17794), (433, 17917), (436, 17926), (437, 17929), (440, 17938), (443, 17947), (507, 18088), (510, 18100), (527, 18154), (607, 18289), (621, 18322), (625, 18340), (629, 18352), (636, 18367), (674, 18427), (681, 18448), (685, 18457), (708, 18523), (717, 18556), (757, 18586), (762, 18592), (765, 18595), (802, 18664), (844, 18763), (847, 18772), (906, 18928), (909, 18940),

Gene: Tourach_18 Start: 16987, Stop: 18720, Start Num: 165

Candidate Starts for Tourach_18:

(Start: 165 @16987 has 28 MA's), (205, 17056), (274, 17197), (276, 17200), (301, 17230), (306, 17245), (326, 17278), (350, 17323), (379, 17377), (397, 17404), (405, 17416), (423, 17467), (425, 17473), (436, 17506), (500, 17659), (510, 17683), (512, 17692), (527, 17737), (547, 17788), (626, 17950), (657, 18013), (691, 18085), (703, 18121), (773, 18220), (783, 18241), (787, 18247), (794, 18259), (826, 18322), (854, 18409), (862, 18436), (865, 18442), (879, 18469), (882, 18481), (890, 18505), (897, 18520), (912, 18556), (944, 18634), (950, 18652),

Gene: Traaww1_22 Start: 19391, Stop: 21070, Start Num: 137

Candidate Starts for Traaww1_22:

(Start: 137 @19391 has 84 MA's), (Start: 197 @19475 has 47 MA's), (Start: 239 @19553 has 1 MA's), (272, 19640), (282, 19655), (301, 19703), (315, 19742), (363, 19829), (367, 19841), (380, 19862), (404, 19898), (417, 19928), (418, 19934), (441, 20003), (483, 20033), (487, 20045), (488, 20048), (510, 20105), (587, 20237), (589, 20243), (617, 20309), (620, 20315), (626, 20339), (647, 20387), (659, 20411), (665, 20420), (695, 20495), (761, 20546), (772, 20561), (833, 20723), (841, 20750), (851, 20780), (890, 20885), (938, 20963), (947, 20999), (950, 21008), (959, 21041), (965, 21056),

Gene: Tracker_41 Start: 29603, Stop: 31216, Start Num: 260

Candidate Starts for Tracker_41:

(Start: 260 @29603 has 35 MA's), (Start: 288 @29639 has 1 MA's), (295, 29657), (322, 29717), (443, 29957), (447, 29969), (452, 29984), (484, 30050), (489, 30065), (497, 30089), (498, 30092), (527, 30176), (538, 30206), (539, 30209), (570, 30257), (572, 30266), (592, 30314), (594, 30317), (604, 30338), (643, 30443), (671, 30488), (688, 30530), (756, 30704), (774, 30734), (780, 30740), (826, 30848), (827, 30851), (851, 30926), (947, 31145), (964, 31202),

Gene: Traft412_29 Start: 22064, Stop: 23866, Start Num: 148

Candidate Starts for Traft412_29:

(Start: 148 @22064 has 202 MA's), (Start: 166 @22085 has 28 MA's), (Start: 191 @22127 has 1 MA's), (215, 22172), (349, 22388), (376, 22433), (381, 22442), (407, 22481), (425, 22532), (426, 22535), (507, 22730), (528, 22799), (616, 23000), (617, 23003), (623, 23024), (674, 23120), (675, 23123), (677, 23129), (701, 23198), (708, 23216), (710, 23225), (720, 23255), (779, 23351), (795, 23384), (802, 23399), (845, 23540), (865, 23597), (907, 23708), (966, 23861),

Gene: Trax_28 Start: 23606, Stop: 25348, Start Num: 157

Candidate Starts for Trax_28:

(104, 23528), (Start: 142 @23591 has 1 MA's), (Start: 157 @23606 has 12 MA's), (172, 23618), (180, 23636), (205, 23678), (Start: 220 @23705 has 45 MA's), (254, 23762), (276, 23822), (323, 23897), (326, 23900), (329, 23909), (332, 23918), (350, 23957), (352, 23960), (381, 24014), (394, 24035), (415, 24071), (423, 24101), (443, 24161), (445, 24167), (470, 24221), (500, 24290), (504, 24299),

(510, 24314), (551, 24422), (555, 24428), (621, 24554), (662, 24647), (675, 24668), (676, 24671), (701, 24743), (712, 24776), (720, 24797), (783, 24866), (787, 24872), (793, 24881), (841, 24998), (844, 25007), (865, 25067), (881, 25103), (886, 25118), (905, 25154), (907, 25160), (930, 25223), (944, 25265), (952, 25292), (957, 25307), (969, 25337),

Gene: Treddle_29 Start: 22354, Stop: 24156, Start Num: 148

Candidate Starts for Treddle_29:

(Start: 148 @22354 has 202 MA's), (Start: 166 @22375 has 28 MA's), (Start: 191 @22417 has 1 MA's), (215, 22462), (349, 22678), (376, 22723), (381, 22732), (407, 22771), (425, 22822), (426, 22825), (463, 22918), (507, 23020), (528, 23089), (616, 23290), (617, 23293), (623, 23314), (674, 23410), (675, 23413), (677, 23419), (701, 23488), (708, 23506), (710, 23515), (720, 23545), (779, 23641), (795, 23674), (802, 23689), (845, 23830), (865, 23887), (907, 23998),

Gene: TreyKay_23 Start: 17122, Stop: 18888, Start Num: 145

Candidate Starts for TreyKay_23:

(Start: 145 @17122 has 749 MA's), (Start: 170 @17152 has 1 MA's), (251, 17311), (261, 17344), (276, 17374), (291, 17407), (298, 17419), (338, 17509), (361, 17551), (398, 17614), (404, 17623), (409, 17632), (422, 17671), (436, 17716), (443, 17737), (444, 17740), (488, 17812), (504, 17854), (508, 17860), (516, 17887), (586, 18025), (593, 18043), (612, 18085), (619, 18103), (628, 18133), (647, 18160), (693, 18265), (797, 18424), (809, 18460), (820, 18490), (823, 18499), (845, 18574), (862, 18625), (950, 18820), (960, 18859), (961, 18862), (971, 18880),

Gene: TribelTrouble_21 Start: 17403, Stop: 19166, Start Num: 145

Candidate Starts for TribelTrouble_21:

(Start: 138 @17394 has 25 MA's), (Start: 145 @17403 has 749 MA's), (222, 17508), (244, 17562), (261, 17613), (276, 17643), (Start: 288 @17667 has 1 MA's), (404, 17898), (409, 17907), (413, 17919), (436, 17991), (437, 17994), (439, 18000), (443, 18012), (444, 18015), (488, 18087), (491, 18096), (504, 18129), (508, 18135), (520, 18174), (531, 18210), (613, 18363), (622, 18393), (652, 18450), (693, 18543), (710, 18597), (797, 18699), (808, 18732), (812, 18747), (822, 18771), (829, 18798), (847, 18855), (862, 18900), (909, 19002), (956, 19119), (960, 19137), (963, 19143), (971, 19158),

Gene: Trike_25 Start: 17896, Stop: 19674, Start Num: 145

Candidate Starts for Trike_25:

(Start: 128 @17872 has 10 MA's), (Start: 145 @17896 has 749 MA's), (Start: 191 @17953 has 1 MA's), (199, 17968), (233, 18022), (303, 18136), (304, 18139), (349, 18214), (373, 18253), (434, 18385), (470, 18472), (501, 18547), (516, 18586), (528, 18625), (560, 18712), (587, 18757), (616, 18826), (623, 18850), (627, 18862), (629, 18868), (708, 19042), (710, 19051), (717, 19075), (720, 19081), (729, 19096), (757, 19129), (791, 19180), (810, 19237), (811, 19243), (865, 19405), (905, 19510), (907, 19516), (909, 19525), (959, 19651),

Gene: Trine_18 Start: 14775, Stop: 16385, Start Num: 184

Candidate Starts for Trine_18:

(Start: 184 @14775 has 11 MA's), (247, 14901), (308, 15048), (404, 15222), (457, 15339), (507, 15420), (542, 15525), (590, 15576), (609, 15615), (616, 15636), (668, 15750), (669, 15753), (695, 15813), (700, 15825), (701, 15828), (755, 15855), (820, 15996), (824, 16011), (886, 16191), (907, 16221), (940, 16287), (951, 16329), (965, 16374),

Gene: Tripl3t_28 Start: 21973, Stop: 23775, Start Num: 148

Candidate Starts for Tripl3t_28:

(Start: 148 @21973 has 202 MA's), (Start: 166 @21994 has 28 MA's), (Start: 191 @22036 has 1 MA's), (215, 22081), (349, 22297), (376, 22342), (381, 22351), (407, 22390), (425, 22441), (426, 22444), (507, 22639), (528, 22708), (616, 22909), (617, 22912), (623, 22933), (674, 23029), (675,

23032), (677, 23038), (701, 23107), (708, 23125), (710, 23134), (720, 23164), (779, 23260), (795, 23293), (802, 23308), (845, 23449), (865, 23506), (907, 23617),

Gene: Trixie_31 Start: 21855, Stop: 23627, Start Num: 145

Candidate Starts for Trixie_31:

(103, 21789), (Start: 128 @21831 has 10 MA's), (Start: 145 @21855 has 749 MA's), (256, 22038), (303, 22089), (304, 22092), (347, 22164), (349, 22167), (381, 22221), (385, 22227), (407, 22260), (423, 22305), (434, 22338), (470, 22425), (504, 22506), (507, 22509), (516, 22539), (582, 22695), (616, 22779), (617, 22782), (629, 22821), (668, 22887), (675, 22902), (720, 23034), (757, 23082), (779, 23112), (802, 23160), (804, 23166), (821, 23220), (836, 23274), (865, 23358), (890, 23424), (894, 23436), (905, 23463), (907, 23469),

Gene: Troje_18 Start: 15362, Stop: 17059, Start Num: 145

Candidate Starts for Troje_18:

(Start: 121 @15332 has 1 MA's), (Start: 135 @15359 has 8 MA's), (Start: 145 @15362 has 749 MA's), (263, 15572), (376, 15740), (379, 15746), (430, 15854), (442, 15890), (451, 15920), (463, 15935), (481, 15968), (485, 15980), (495, 16016), (516, 16073), (520, 16085), (587, 16205), (596, 16226), (606, 16250), (675, 16400), (680, 16415), (689, 16433), (708, 16490), (796, 16619), (802, 16631), (807, 16649), (818, 16658), (844, 16730), (845, 16733), (847, 16739), (851, 16751), (890, 16856), (893, 16865), (907, 16898), (956, 17024),

Gene: Trooper_28 Start: 20008, Stop: 21780, Start Num: 145

Candidate Starts for Trooper_28:

(103, 19942), (Start: 128 @19984 has 10 MA's), (Start: 145 @20008 has 749 MA's), (246, 20161), (303, 20242), (304, 20245), (347, 20317), (349, 20320), (381, 20374), (434, 20491), (470, 20578), (504, 20659), (507, 20662), (582, 20848), (617, 20935), (629, 20974), (675, 21055), (717, 21181), (720, 21187), (802, 21313), (804, 21319), (832, 21412), (836, 21427), (865, 21511), (907, 21622), (935, 21676),

Gene: Trouble_28 Start: 21920, Stop: 23722, Start Num: 148

Candidate Starts for Trouble_28:

(Start: 148 @21920 has 202 MA's), (Start: 166 @21941 has 28 MA's), (Start: 191 @21983 has 1 MA's), (215, 22028), (349, 22244), (376, 22289), (381, 22298), (407, 22337), (425, 22388), (426, 22391), (507, 22586), (528, 22655), (616, 22856), (617, 22859), (623, 22880), (674, 22976), (675, 22979), (677, 22985), (708, 23072), (710, 23081), (720, 23111), (779, 23207), (795, 23240), (802, 23255), (845, 23396), (865, 23453), (907, 23564),

Gene: Troy_17 Start: 16284, Stop: 17981, Start Num: 125

Candidate Starts for Troy_17:

(Start: 125 @16284 has 8 MA's), (Start: 138 @16305 has 25 MA's), (198, 16389), (210, 16416), (215, 16422), (301, 16554), (329, 16605), (349, 16638), (356, 16647), (425, 16782), (436, 16815), (442, 16833), (468, 16887), (488, 16932), (510, 16989), (513, 17001), (525, 17040), (562, 17091), (574, 17100), (584, 17121), (612, 17187), (647, 17277), (698, 17385), (715, 17439), (717, 17445), (723, 17463), (804, 17559), (818, 17580), (836, 17625), (892, 17784), (901, 17799), (906, 17814), (909, 17826), (965, 17970),

Gene: TroyPia_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for TroyPia_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (445, 20349), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036),

(779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: TruffulaTree_23 Start: 17151, Stop: 18917, Start Num: 145

Candidate Starts for TruffulaTree_23:

(Start: 145 @17151 has 749 MA's), (Start: 170 @17181 has 1 MA's), (251, 17340), (261, 17373), (276, 17403), (291, 17436), (298, 17448), (338, 17538), (361, 17580), (404, 17652), (409, 17661), (422, 17700), (436, 17745), (443, 17766), (444, 17769), (482, 17823), (488, 17841), (504, 17883), (508, 17889), (516, 17916), (586, 18054), (593, 18072), (612, 18114), (619, 18132), (628, 18162), (647, 18189), (693, 18294), (797, 18453), (809, 18489), (820, 18519), (823, 18528), (845, 18603), (862, 18654), (909, 18753), (950, 18849), (960, 18888), (961, 18891), (971, 18909),

Gene: Trumpet_19 Start: 17773, Stop: 19371, Start Num: 268

Candidate Starts for Trumpet_19:

(Start: 268 @17773 has 52 MA's), (414, 18022), (418, 18031), (424, 18049), (425, 18052), (443, 18106), (472, 18181), (496, 18250), (499, 18259), (505, 18271), (521, 18322), (529, 18349), (532, 18358), (534, 18361), (581, 18391), (582, 18394), (605, 18451), (628, 18517), (670, 18595), (683, 18628), (694, 18652), (705, 18688), (745, 18790), (779, 18847), (800, 18892), (803, 18898), (813, 18937), (894, 19177), (932, 19255),

Gene: Tubs_30 Start: 21749, Stop: 23539, Start Num: 145

Candidate Starts for Tubs_30:

(Start: 143 @21746 has 53 MA's), (Start: 145 @21749 has 749 MA's), (303, 21983), (304, 21986), (347, 22058), (349, 22061), (361, 22076), (381, 22115), (385, 22121), (434, 22232), (470, 22319), (504, 22400), (507, 22403), (582, 22589), (609, 22652), (617, 22676), (620, 22682), (629, 22715), (675, 22796), (717, 22922), (737, 22964), (739, 22967), (779, 23024), (795, 23057), (802, 23072), (832, 23171), (833, 23174), (836, 23186), (865, 23270), (890, 23336), (905, 23375), (907, 23381), (928, 23426), (950, 23483), (951, 23486),

Gene: Tucker_31 Start: 19989, Stop: 21761, Start Num: 145

Candidate Starts for Tucker_31:

(103, 19923), (Start: 128 @19965 has 10 MA's), (Start: 145 @19989 has 749 MA's), (304, 20226), (347, 20298), (349, 20301), (361, 20316), (381, 20355), (385, 20361), (434, 20472), (436, 20478), (448, 20517), (470, 20559), (488, 20598), (504, 20640), (507, 20643), (560, 20799), (624, 20940), (629, 20955), (720, 21168), (791, 21267), (802, 21294), (817, 21345), (821, 21354), (832, 21393), (836, 21408), (865, 21492), (905, 21597), (907, 21603), (959, 21738),

Gene: Tuco_25 Start: 20261, Stop: 21940, Start Num: 137

Candidate Starts for Tuco_25:

(Start: 137 @20261 has 84 MA's), (Start: 197 @20345 has 47 MA's), (Start: 239 @20423 has 1 MA's), (272, 20510), (282, 20525), (301, 20573), (315, 20612), (363, 20699), (380, 20732), (404, 20768), (417, 20798), (418, 20804), (441, 20873), (483, 20903), (487, 20915), (488, 20918), (510, 20975), (587, 21107), (589, 21113), (617, 21179), (620, 21185), (626, 21209), (647, 21257), (659, 21281), (665, 21290), (695, 21365), (761, 21416), (772, 21431), (833, 21593), (841, 21620), (851, 21650), (890, 21755), (938, 21833), (947, 21869), (950, 21878), (959, 21911), (965, 21926),

Gene: TuertoX_17 Start: 14758, Stop: 16467, Start Num: 269

Candidate Starts for TuertoX_17:

(Start: 269 @14758 has 31 MA's), (324, 14875), (405, 15025), (424, 15064), (429, 15079), (452, 15148), (459, 15160), (489, 15238), (490, 15241), (532, 15373), (547, 15427), (581, 15508), (605, 15568), (608, 15574), (610, 15580), (649, 15661), (671, 15697), (688, 15733), (694, 15751), (707, 15790), (731, 15862), (745, 15886), (841, 16120), (846, 16135), (860, 16177), (893, 16270), (894, 16273), (918, 16321), (932, 16351),

Gene: Turbido_30 Start: 20695, Stop: 22467, Start Num: 145

Candidate Starts for Turbido_30:

(Start: 128 @20671 has 10 MA's), (Start: 145 @20695 has 749 MA's), (216, 20794), (256, 20878), (303, 20929), (304, 20932), (347, 21004), (349, 21007), (381, 21061), (407, 21100), (434, 21178), (470, 21265), (504, 21346), (507, 21349), (582, 21535), (617, 21622), (668, 21727), (675, 21742), (717, 21868), (720, 21874), (757, 21922), (802, 22000), (804, 22006), (821, 22060), (832, 22099), (836, 22114), (865, 22198), (907, 22309),

Gene: Turj99_26 Start: 20860, Stop: 22662, Start Num: 148

Candidate Starts for Turj99_26:

(Start: 148 @20860 has 202 MA's), (Start: 166 @20881 has 28 MA's), (Start: 191 @20923 has 1 MA's), (215, 20968), (349, 21184), (376, 21229), (381, 21238), (407, 21277), (425, 21328), (426, 21331), (507, 21526), (528, 21595), (616, 21796), (617, 21799), (623, 21820), (674, 21916), (675, 21919), (677, 21925), (708, 22012), (710, 22021), (720, 22051), (779, 22147), (795, 22180), (802, 22195), (845, 22336), (865, 22393), (907, 22504),

Gene: Turuncu_45 Start: 30900, Stop: 32519, Start Num: 260

Candidate Starts for Turuncu_45:

(Start: 260 @30900 has 35 MA's), (Start: 269 @30915 has 31 MA's), (Start: 288 @30936 has 1 MA's), (322, 31014), (397, 31152), (452, 31281), (467, 31311), (481, 31338), (484, 31347), (489, 31362), (527, 31473), (538, 31503), (539, 31506), (572, 31563), (674, 31788), (688, 31827), (704, 31875), (756, 32001), (780, 32037), (810, 32094), (827, 32148), (851, 32223), (913, 32355), (943, 32430), (947, 32442), (951, 32454), (953, 32463), (964, 32499),

Gene: Tweety_16 Start: 14860, Stop: 16569, Start Num: 132

Candidate Starts for Tweety_16:

(Start: 132 @14860 has 199 MA's), (198, 14947), (Start: 228 @14992 has 2 MA's), (237, 15016), (277, 15121), (282, 15127), (290, 15145), (301, 15175), (349, 15280), (383, 15340), (398, 15361), (404, 15370), (415, 15394), (481, 15520), (486, 15535), (488, 15541), (501, 15577), (503, 15580), (509, 15592), (510, 15598), (523, 15646), (530, 15658), (531, 15664), (586, 15724), (590, 15736), (606, 15772), (612, 15784), (644, 15859), (647, 15868), (656, 15886), (659, 15892), (671, 15922), (755, 16027), (761, 16036), (764, 16039), (785, 16075), (813, 16153), (844, 16252), (851, 16273), (862, 16306), (877, 16336), (886, 16366), (889, 16375), (891, 16381), (905, 16396), (906, 16399), (916, 16423), (935, 16453), (940, 16465), (947, 16495), (959, 16537),

Gene: Twinkle_20 Start: 18961, Stop: 20541, Start Num: 268

Candidate Starts for Twinkle_20:

(217, 18844), (Start: 268 @18961 has 52 MA's), (418, 19219), (425, 19240), (443, 19294), (459, 19333), (482, 19390), (489, 19411), (582, 19582), (588, 19600), (601, 19624), (608, 19645), (628, 19687), (671, 19768), (705, 19858), (722, 19909), (745, 19960), (748, 19963), (779, 20017), (813, 20107), (913, 20386), (918, 20395), (932, 20425),

Gene: Twister_27 Start: 19820, Stop: 21598, Start Num: 145

Candidate Starts for Twister_27:

(Start: 145 @19820 has 749 MA's), (Start: 191 @19877 has 1 MA's), (199, 19892), (216, 19925), (233, 19946), (297, 20048), (303, 20060), (304, 20063), (349, 20138), (361, 20153), (381, 20192), (434, 20309), (440, 20327), (470, 20396), (501, 20471), (516, 20510), (528, 20549), (560, 20636), (587, 20681), (616, 20750), (623, 20774), (627, 20786), (629, 20792), (675, 20873), (708, 20966), (710, 20975), (717, 20999), (720, 21005), (729, 21020), (757, 21053), (791, 21104), (798, 21122), (810, 21161), (841, 21260), (865, 21329), (877, 21353), (879, 21359), (905, 21434), (907, 21440), (909, 21449), (938, 21500), (959, 21575),

Gene: Twister6_33 Start: 26286, Stop: 28052, Start Num: 107

Candidate Starts for Twister6_33:

(90, 26244), (Start: 107 @26286 has 72 MA's), (Start: 126 @26322 has 1 MA's), (Start: 150 @26355 has 25 MA's), (263, 26565), (265, 26568), (303, 26598), (333, 26664), (349, 26688), (356, 26697), (375, 26730), (443, 26883), (463, 26922), (487, 26973), (491, 26985), (495, 27003), (501, 27015), (506, 27027), (510, 27042), (520, 27072), (521, 27075), (527, 27096), (583, 27168), (602, 27216), (649, 27327), (669, 27360), (686, 27399), (687, 27402), (710, 27474), (753, 27540), (759, 27552), (845, 27723), (849, 27735), (851, 27741), (862, 27774), (875, 27801), (884, 27828), (905, 27882), (951, 27999), (957, 28020), (966, 28047),

Gene: Twitch_23 Start: 17188, Stop: 18954, Start Num: 145

Candidate Starts for Twitch_23:

(Start: 145 @17188 has 749 MA's), (Start: 170 @17218 has 1 MA's), (251, 17377), (261, 17410), (276, 17440), (291, 17473), (298, 17485), (338, 17575), (361, 17617), (404, 17689), (409, 17698), (422, 17737), (436, 17782), (443, 17803), (444, 17806), (482, 17860), (488, 17878), (504, 17920), (508, 17926), (516, 17953), (586, 18091), (593, 18109), (612, 18151), (619, 18169), (628, 18199), (647, 18226), (693, 18331), (797, 18490), (809, 18526), (820, 18556), (823, 18565), (845, 18640), (862, 18691), (950, 18886), (960, 18925), (961, 18928), (971, 18946),

Gene: TwoPeat_28 Start: 21384, Stop: 23186, Start Num: 148

Candidate Starts for TwoPeat_28:

(Start: 148 @21384 has 202 MA's), (Start: 166 @21405 has 28 MA's), (Start: 191 @21447 has 1 MA's), (215, 21492), (349, 21708), (376, 21753), (381, 21762), (407, 21801), (425, 21852), (426, 21855), (507, 22050), (528, 22119), (616, 22320), (617, 22323), (623, 22344), (674, 22440), (675, 22443), (677, 22449), (701, 22518), (708, 22536), (710, 22545), (720, 22575), (779, 22671), (795, 22704), (802, 22719), (845, 22860), (865, 22917), (907, 23028),

Gene: Twonlo_30 Start: 27002, Stop: 28621, Start Num: 192

Candidate Starts for Twonlo_30:

(Start: 192 @27002 has 10 MA's), (205, 27023), (237, 27086), (289, 27209), (294, 27221), (310, 27278), (354, 27356), (420, 27479), (489, 27593), (500, 27623), (516, 27665), (537, 27728), (586, 27776), (589, 27785), (612, 27836), (628, 27884), (700, 28049), (755, 28079), (808, 28187), (809, 28190), (824, 28235), (839, 28292), (841, 28298), (843, 28304), (859, 28352), (862, 28361), (865, 28367), (867, 28370), (886, 28421), (909, 28466), (941, 28535), (956, 28583), (959, 28595),

Gene: TyDawg_28 Start: 22368, Stop: 24104, Start Num: 147

Candidate Starts for TyDawg_28:

(66, 22146), (Start: 115 @22326 has 3 MA's), (Start: 124 @22341 has 2 MA's), (Start: 147 @22368 has 14 MA's), (Start: 166 @22383 has 28 MA's), (189, 22422), (205, 22452), (207, 22458), (215, 22470), (271, 22575), (274, 22590), (303, 22629), (372, 22752), (376, 22761), (423, 22857), (437, 22899), (438, 22902), (510, 23079), (552, 23190), (583, 23217), (609, 23289), (612, 23298), (613, 23301), (617, 23313), (674, 23433), (675, 23436), (691, 23478), (700, 23508), (703, 23514), (783, 23634), (787, 23640), (936, 23994), (944, 24021), (950, 24039), (952, 24048),

Gene: Tycho_34 Start: 29613, Stop: 31376, Start Num: 107

Candidate Starts for Tycho_34:

(Start: 107 @29613 has 72 MA's), (Start: 126 @29649 has 1 MA's), (210, 29778), (216, 29787), (235, 29811), (259, 29883), (265, 29892), (319, 29961), (349, 30012), (376, 30057), (385, 30072), (397, 30090), (425, 30153), (440, 30198), (443, 30207), (495, 30327), (503, 30342), (506, 30351), (510, 30366), (520, 30396), (629, 30618), (644, 30636), (649, 30651), (674, 30693), (675, 30696), (686, 30723), (732, 30843), (798, 30936), (845, 31047), (846, 31050), (862, 31098), (875, 31125), (884, 31152), (905, 31206), (913, 31233),

Gene: TygerBlood_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for TygerBlood_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Typha_24 Start: 19608, Stop: 21443, Start Num: 102

Candidate Starts for Typha_24:

(Start: 102 @19608 has 4 MA's), (Start: 132 @19656 has 199 MA's), (Start: 138 @19665 has 25 MA's), (171, 19704), (Start: 193 @19734 has 1 MA's), (199, 19746), (222, 19782), (236, 19812), (Start: 239 @19821 has 1 MA's), (244, 19836), (261, 19887), (263, 19890), (307, 19989), (380, 20130), (410, 20181), (413, 20187), (425, 20226), (443, 20280), (488, 20349), (504, 20391), (517, 20427), (520, 20436), (546, 20514), (552, 20523), (566, 20553), (585, 20586), (586, 20589), (612, 20649), (621, 20673), (622, 20682), (660, 20751), (700, 20856), (701, 20859), (710, 20886), (826, 21069), (935, 21324), (960, 21414), (961, 21417), (963, 21420),

Gene: Typhonomachy_19 Start: 15732, Stop: 17429, Start Num: 145

Candidate Starts for Typhonomachy_19:

(Start: 135 @15729 has 8 MA's), (Start: 145 @15732 has 749 MA's), (263, 15942), (349, 16065), (379, 16116), (423, 16203), (426, 16212), (433, 16233), (438, 16248), (442, 16260), (481, 16338), (485, 16350), (493, 16377), (506, 16410), (516, 16443), (520, 16455), (535, 16497), (606, 16620), (632, 16692), (675, 16770), (680, 16785), (689, 16803), (708, 16860), (779, 16953), (796, 16989), (802, 17001), (804, 17007), (807, 17019), (818, 17028), (844, 17100), (845, 17103), (847, 17109), (851, 17121), (875, 17181), (890, 17226), (893, 17235), (907, 17268), (940, 17334),

Gene: Tyson_18 Start: 16746, Stop: 18515, Start Num: 130

Candidate Starts for Tyson_18:

(Start: 98 @16683 has 1 MA's), (106, 16704), (Start: 114 @16719 has 2 MA's), (Start: 130 @16746 has 38 MA's), (194, 16839), (Start: 220 @16887 has 45 MA's), (225, 16893), (245, 16920), (246, 16923), (248, 16929), (274, 17001), (281, 17010), (301, 17034), (306, 17049), (323, 17079), (397, 17205), (403, 17214), (413, 17235), (418, 17250), (440, 17319), (451, 17355), (467, 17376), (494, 17445), (510, 17484), (583, 17622), (587, 17634), (616, 17709), (619, 17715), (623, 17733), (638, 17772), (657, 17805), (661, 17814), (669, 17823), (674, 17832), (675, 17835), (716, 17955), (732, 17991), (787, 18039), (794, 18051), (824, 18105), (854, 18201), (859, 18219), (861, 18225), (862, 18228), (879, 18261), (886, 18285), (912, 18348), (932, 18390), (944, 18429), (950, 18447), (956, 18468), (961, 18489),

Gene: U2_27 Start: 21239, Stop: 23041, Start Num: 148

Candidate Starts for U2_27:

(Start: 148 @21239 has 202 MA's), (Start: 166 @21260 has 28 MA's), (Start: 191 @21302 has 1 MA's), (215, 21347), (349, 21563), (376, 21608), (381, 21617), (425, 21707), (426, 21710), (463, 21803), (507, 21905), (528, 21974), (616, 22175), (617, 22178), (623, 22199), (674, 22295), (675, 22298), (677, 22304), (701, 22373), (708, 22391), (710, 22400), (720, 22430), (779, 22526), (795, 22559), (802, 22574), (845, 22715), (865, 22772), (907, 22883),

Gene: UPIE_18 Start: 16744, Stop: 18513, Start Num: 130

Candidate Starts for UPIE_18:

(Start: 98 @16681 has 1 MA's), (106, 16702), (Start: 114 @16717 has 2 MA's), (Start: 130 @16744 has 38 MA's), (194, 16837), (Start: 220 @16885 has 45 MA's), (225, 16891), (245, 16918), (246,

16921), (248, 16927), (274, 16999), (281, 17008), (301, 17032), (306, 17047), (323, 17077), (397, 17203), (403, 17212), (413, 17233), (418, 17248), (440, 17317), (451, 17353), (467, 17374), (494, 17443), (510, 17482), (583, 17620), (587, 17632), (616, 17707), (619, 17713), (623, 17731), (638, 17770), (657, 17803), (661, 17812), (669, 17821), (674, 17830), (675, 17833), (716, 17953), (732, 17989), (787, 18037), (794, 18049), (824, 18103), (854, 18199), (859, 18217), (861, 18223), (862, 18226), (879, 18259), (886, 18283), (912, 18346), (932, 18388), (944, 18427), (950, 18445), (956, 18466), (961, 18487),

Gene: Ubuntu_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for Ubuntu_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: Ugenie5_27 Start: 21782, Stop: 23572, Start Num: 145

Candidate Starts for Ugenie5_27:

(Start: 143 @21779 has 53 MA's), (Start: 145 @21782 has 749 MA's), (303, 22016), (304, 22019), (347, 22091), (349, 22094), (361, 22109), (381, 22148), (385, 22154), (434, 22265), (470, 22352), (504, 22433), (507, 22436), (582, 22622), (609, 22685), (617, 22709), (620, 22715), (629, 22748), (675, 22829), (717, 22955), (737, 22997), (779, 23057), (795, 23090), (802, 23105), (832, 23204), (833, 23207), (836, 23219), (865, 23303), (890, 23369), (905, 23408), (907, 23414), (928, 23459), (950, 23516), (951, 23519),

Gene: UhSalsa_23 Start: 16349, Stop: 17974, Start Num: 173

Candidate Starts for UhSalsa_23:

(Start: 173 @16349 has 32 MA's), (210, 16418), (236, 16454), (261, 16526), (349, 16640), (421, 16769), (434, 16811), (440, 16829), (443, 16838), (450, 16862), (463, 16880), (478, 16904), (481, 16910), (486, 16925), (487, 16928), (507, 16976), (609, 17177), (617, 17201), (674, 17315), (701, 17393), (713, 17432), (717, 17444), (757, 17474), (802, 17552), (860, 17699), (900, 17798), (905, 17813), (965, 17966),

Gene: Ukulele_24 Start: 19504, Stop: 21183, Start Num: 137

Candidate Starts for Ukulele_24:

(Start: 137 @19504 has 84 MA's), (Start: 197 @19588 has 47 MA's), (Start: 239 @19666 has 1 MA's), (272, 19753), (282, 19768), (301, 19816), (315, 19855), (363, 19942), (380, 19975), (404, 20011), (417, 20041), (418, 20047), (441, 20116), (483, 20146), (487, 20158), (488, 20161), (510, 20218), (587, 20350), (589, 20356), (617, 20422), (620, 20428), (626, 20452), (647, 20500), (659, 20524), (665, 20533), (695, 20608), (761, 20659), (772, 20674), (833, 20836), (841, 20863), (851, 20893), (890, 20998), (938, 21076), (947, 21112), (950, 21121), (959, 21154), (965, 21169),

Gene: Ulysses_26 Start: 19548, Stop: 21326, Start Num: 145

Candidate Starts for Ulysses_26:

(Start: 128 @19524 has 10 MA's), (Start: 145 @19548 has 749 MA's), (Start: 191 @19605 has 1 MA's), (Start: 220 @19659 has 45 MA's), (233, 19674), (240, 19692), (297, 19776), (303, 19788), (304, 19791), (349, 19866), (361, 19881), (381, 19920), (434, 20037), (470, 20124), (504, 20205), (521, 20253), (528, 20277), (560, 20364), (587, 20409), (617, 20481), (623, 20502), (629, 20520), (675, 20601), (708, 20694), (710, 20703), (717, 20727), (720, 20733), (731, 20757), (779, 20811), (791, 20832), (808, 20883), (815, 20907), (833, 20961), (865, 21057), (905, 21162), (909, 21177),

(954, 21285), (959, 21303),

Gene: UmaThurman_19 Start: 16778, Stop: 18424, Start Num: 220

Candidate Starts for UmaThurman_19:

(196, 16742), (Start: 220 @16778 has 45 MA's), (261, 16880), (293, 16952), (295, 16958), (296, 16961), (337, 17057), (355, 17096), (404, 17177), (423, 17231), (428, 17246), (482, 17342), (510, 17417), (520, 17447), (620, 17630), (626, 17654), (695, 17798), (700, 17810), (747, 17870), (809, 18002), (810, 18005), (841, 18104), (847, 18122), (865, 18173), (890, 18239), (927, 18302), (935, 18314),

Gene: UncleRicky_17 Start: 14628, Stop: 16337, Start Num: 132

Candidate Starts for UncleRicky_17:

(Start: 132 @14628 has 199 MA's), (198, 14715), (Start: 228 @14760 has 2 MA's), (237, 14784), (256, 14841), (277, 14889), (282, 14895), (290, 14913), (301, 14943), (349, 15048), (379, 15102), (383, 15108), (389, 15117), (398, 15129), (404, 15138), (415, 15162), (425, 15198), (427, 15204), (431, 15216), (438, 15237), (439, 15240), (442, 15249), (459, 15264), (467, 15270), (481, 15288), (486, 15303), (488, 15309), (493, 15327), (494, 15330), (501, 15345), (509, 15360), (510, 15366), (520, 15396), (523, 15414), (530, 15426), (531, 15432), (586, 15492), (590, 15504), (606, 15540), (612, 15552), (620, 15573), (644, 15627), (647, 15636), (659, 15660), (671, 15690), (755, 15795), (764, 15807), (785, 15843), (803, 15882), (813, 15921), (844, 16020), (851, 16041), (862, 16074), (877, 16104), (886, 16134), (889, 16143), (891, 16149), (905, 16164), (906, 16167), (914, 16188), (916, 16191), (940, 16233), (947, 16263), (959, 16305), (960, 16311),

Gene: Unicorn_22 Start: 16372, Stop: 18138, Start Num: 145

Candidate Starts for Unicorn_22:

(Start: 138 @16363 has 25 MA's), (Start: 145 @16372 has 749 MA's), (Start: 170 @16402 has 1 MA's), (244, 16543), (251, 16561), (261, 16594), (276, 16624), (298, 16669), (338, 16759), (357, 16795), (409, 16882), (439, 16975), (443, 16987), (444, 16990), (456, 17008), (465, 17029), (482, 17044), (486, 17056), (488, 17062), (504, 17104), (508, 17110), (593, 17293), (619, 17353), (663, 17437), (669, 17455), (693, 17515), (742, 17590), (754, 17614), (797, 17674), (808, 17707), (809, 17710), (814, 17728), (823, 17749), (845, 17824), (862, 17875), (875, 17902), (909, 17974), (938, 18025), (960, 18109), (961, 18112), (971, 18130),

Gene: UnionJack_24 Start: 18683, Stop: 20482, Start Num: 145

Candidate Starts for UnionJack_24:

(Start: 145 @18683 has 749 MA's), (Start: 220 @18788 has 45 MA's), (304, 18920), (328, 18956), (349, 18995), (361, 19010), (379, 19046), (419, 19118), (423, 19133), (434, 19166), (436, 19172), (516, 19367), (523, 19397), (527, 19403), (543, 19454), (587, 19538), (616, 19607), (629, 19649), (637, 19667), (674, 19727), (675, 19730), (701, 19805), (708, 19823), (777, 19964), (795, 20000), (904, 20315), (907, 20324),

Gene: Updawg_30 Start: 20656, Stop: 22428, Start Num: 145

Candidate Starts for Updawg_30:

(Start: 128 @20632 has 10 MA's), (Start: 145 @20656 has 749 MA's), (Start: 239 @20791 has 1 MA's), (303, 20890), (304, 20893), (347, 20965), (349, 20968), (381, 21022), (385, 21028), (419, 21091), (434, 21139), (445, 21172), (470, 21226), (504, 21307), (507, 21310), (516, 21340), (582, 21496), (617, 21583), (675, 21703), (716, 21826), (717, 21829), (720, 21835), (757, 21883), (795, 21946), (802, 21961), (804, 21967), (821, 22021), (832, 22060), (836, 22075), (847, 22108), (862, 22153), (905, 22264), (907, 22270), (935, 22324),

Gene: Upyo_18 Start: 14948, Stop: 16558, Start Num: 184

Candidate Starts for Upyo_18:

(Start: 130 @14867 has 38 MA's), (Start: 184 @14948 has 11 MA's), (Start: 192 @14957 has 10 MA's), (236, 15041), (247, 15074), (295, 15182), (308, 15221), (333, 15272), (348, 15305), (404, 15395), (417, 15425), (457, 15512), (504, 15590), (507, 15593), (530, 15665), (542, 15698), (590, 15749), (606, 15785), (616, 15809), (644, 15869), (668, 15923), (669, 15926), (691, 15968), (695, 15986), (700, 15998), (802, 16112), (820, 16169), (824, 16184), (951, 16502), (965, 16547),

Gene: Urkel_23 Start: 17102, Stop: 18868, Start Num: 145

Candidate Starts for Urkel_23:

(Start: 145 @17102 has 749 MA's), (Start: 170 @17132 has 1 MA's), (251, 17291), (261, 17324), (276, 17354), (291, 17387), (298, 17399), (338, 17489), (361, 17531), (404, 17603), (409, 17612), (422, 17651), (436, 17696), (444, 17720), (488, 17792), (504, 17834), (508, 17840), (516, 17867), (586, 18005), (593, 18023), (612, 18065), (628, 18113), (647, 18140), (693, 18245), (750, 18335), (809, 18440), (820, 18470), (823, 18479), (845, 18554), (862, 18605), (950, 18800), (960, 18839), (961, 18842), (971, 18860),

Gene: Utz_19 Start: 16645, Stop: 18291, Start Num: 220

Candidate Starts for Utz_19:

(196, 16609), (Start: 220 @16645 has 45 MA's), (261, 16747), (295, 16825), (296, 16828), (337, 16924), (355, 16963), (404, 17044), (423, 17098), (428, 17113), (510, 17284), (520, 17314), (620, 17497), (626, 17521), (627, 17524), (658, 17572), (695, 17665), (700, 17677), (738, 17722), (747, 17737), (809, 17869), (810, 17872), (841, 17971), (847, 17989), (865, 18040), (890, 18106), (927, 18169), (935, 18181),

Gene: VA6_28 Start: 20204, Stop: 21994, Start Num: 145

Candidate Starts for VA6_28:

(103, 20138), (Start: 128 @20180 has 10 MA's), (Start: 145 @20204 has 749 MA's), (303, 20438), (304, 20441), (347, 20513), (349, 20516), (361, 20531), (381, 20570), (385, 20576), (434, 20687), (440, 20705), (445, 20720), (470, 20774), (504, 20855), (507, 20858), (560, 21014), (582, 21044), (620, 21137), (675, 21251), (717, 21377), (795, 21512), (802, 21527), (808, 21551), (832, 21626), (833, 21629), (836, 21641), (865, 21725), (894, 21803), (905, 21830), (907, 21836), (928, 21881), (935, 21890), (959, 21971),

Gene: VC3_31 Start: 20192, Stop: 21982, Start Num: 145

Candidate Starts for VC3_31:

(103, 20126), (Start: 128 @20168 has 10 MA's), (Start: 145 @20192 has 749 MA's), (303, 20426), (304, 20429), (347, 20501), (349, 20504), (361, 20519), (381, 20558), (385, 20564), (434, 20675), (440, 20693), (445, 20708), (470, 20762), (504, 20843), (507, 20846), (560, 21002), (582, 21032), (620, 21125), (675, 21239), (717, 21365), (795, 21500), (802, 21515), (808, 21539), (832, 21614), (833, 21617), (836, 21629), (865, 21713), (894, 21791), (905, 21818), (907, 21824), (928, 21869), (935, 21878), (959, 21959),

Gene: VRedHorse_16 Start: 14970, Stop: 16679, Start Num: 132

Candidate Starts for VRedHorse_16:

(Start: 132 @14970 has 199 MA's), (198, 15057), (Start: 228 @15102 has 2 MA's), (237, 15126), (256, 15183), (277, 15231), (282, 15237), (290, 15255), (301, 15285), (349, 15390), (383, 15450), (389, 15459), (404, 15480), (415, 15504), (427, 15546), (438, 15579), (442, 15591), (459, 15606), (481, 15630), (486, 15645), (488, 15651), (501, 15687), (509, 15702), (510, 15708), (512, 15717), (523, 15756), (530, 15768), (531, 15774), (586, 15834), (606, 15882), (612, 15894), (620, 15915), (644, 15969), (647, 15978), (656, 15996), (659, 16002), (671, 16032), (755, 16137), (764, 16149), (785, 16185), (803, 16224), (813, 16263), (844, 16362), (851, 16383), (862, 16416), (877, 16446), (886, 16476), (888, 16482), (889, 16485), (891, 16491), (905, 16506), (906, 16509), (914, 16530), (940, 16575), (947, 16605), (959, 16647), (960, 16653),

Gene: Valary_34 Start: 26795, Stop: 28561, Start Num: 107

Candidate Starts for Valary_34:

(90, 26753), (Start: 107 @26795 has 72 MA's), (Start: 126 @26831 has 1 MA's), (Start: 150 @26864 has 25 MA's), (263, 27074), (265, 27077), (303, 27107), (333, 27173), (349, 27197), (356, 27206), (375, 27239), (443, 27392), (463, 27431), (487, 27482), (491, 27494), (495, 27512), (501, 27524), (506, 27536), (510, 27551), (520, 27581), (521, 27584), (527, 27605), (583, 27677), (629, 27803), (649, 27836), (669, 27869), (686, 27908), (687, 27911), (710, 27983), (753, 28049), (759, 28061), (845, 28232), (849, 28244), (851, 28250), (862, 28283), (875, 28310), (884, 28337), (905, 28391), (951, 28508), (957, 28529), (966, 28556),

Gene: Validus_23 Start: 16448, Stop: 18214, Start Num: 145

Candidate Starts for Validus_23:

(Start: 145 @16448 has 749 MA's), (Start: 170 @16478 has 1 MA's), (Start: 239 @16604 has 1 MA's), (244, 16619), (251, 16637), (261, 16670), (298, 16745), (304, 16763), (338, 16835), (357, 16871), (404, 16949), (409, 16958), (439, 17051), (443, 17063), (444, 17066), (486, 17132), (488, 17138), (501, 17174), (504, 17180), (508, 17186), (516, 17213), (586, 17351), (593, 17369), (619, 17429), (628, 17459), (647, 17486), (666, 17519), (693, 17591), (710, 17645), (758, 17699), (763, 17705), (797, 17750), (808, 17783), (810, 17789), (820, 17816), (823, 17825), (845, 17900), (862, 17951), (917, 18065), (950, 18146), (960, 18185), (961, 18188), (971, 18206),

Gene: VanDeWege_34 Start: 26622, Stop: 28388, Start Num: 107

Candidate Starts for VanDeWege_34:

(90, 26580), (Start: 107 @26622 has 72 MA's), (Start: 126 @26658 has 1 MA's), (Start: 150 @26691 has 25 MA's), (263, 26901), (265, 26904), (303, 26934), (349, 27024), (356, 27033), (375, 27066), (427, 27171), (443, 27219), (463, 27258), (487, 27309), (495, 27339), (501, 27351), (506, 27363), (510, 27378), (520, 27408), (521, 27411), (527, 27432), (583, 27504), (602, 27552), (649, 27663), (669, 27696), (687, 27738), (710, 27810), (753, 27876), (845, 28059), (846, 28062), (862, 28110), (875, 28137), (884, 28164), (905, 28218), (951, 28335), (957, 28356), (966, 28383),

Gene: VanLee_20 Start: 16446, Stop: 18107, Start Num: 157

Candidate Starts for VanLee_20:

(Start: 143 @16431 has 53 MA's), (Start: 157 @16446 has 12 MA's), (178, 16482), (207, 16533), (323, 16716), (349, 16761), (423, 16896), (481, 17031), (487, 17049), (523, 17157), (525, 17160), (586, 17244), (612, 17304), (657, 17409), (675, 17439), (700, 17514), (701, 17517), (762, 17604), (779, 17628), (796, 17664), (832, 17736), (845, 17778), (849, 17790), (868, 17844), (884, 17886), (905, 17940), (939, 18009), (953, 18063), (956, 18072), (966, 18102),

Gene: Vanisoa_27 Start: 19606, Stop: 21396, Start Num: 145

Candidate Starts for Vanisoa_27:

(103, 19540), (Start: 133 @19591 has 29 MA's), (Start: 145 @19606 has 749 MA's), (216, 19705), (303, 19840), (304, 19843), (347, 19915), (349, 19918), (361, 19933), (381, 19972), (385, 19978), (425, 20062), (434, 20089), (436, 20095), (470, 20176), (504, 20257), (507, 20260), (523, 20320), (528, 20329), (562, 20422), (617, 20533), (629, 20572), (657, 20623), (675, 20653), (739, 20824), (779, 20881), (795, 20914), (802, 20929), (808, 20953), (821, 20989), (832, 21028), (836, 21043), (865, 21127), (905, 21232), (907, 21238), (928, 21283),

Gene: Vasanti_17 Start: 14704, Stop: 16413, Start Num: 269

Candidate Starts for Vasanti_17:

(208, 14569), (217, 14584), (Start: 269 @14704 has 31 MA's), (293, 14746), (324, 14821), (359, 14893), (361, 14896), (429, 15025), (459, 15106), (489, 15184), (490, 15187), (505, 15232), (547, 15373), (581, 15454), (594, 15490), (605, 15514), (610, 15526), (628, 15562), (688, 15679), (697, 15712), (707, 15736), (731, 15808), (745, 15832), (748, 15835), (841, 16066), (846, 16081), (893, 16216), (894, 16219), (918, 16267), (932, 16297),

Gene: VasuNzinga_50 Start: 26580, Stop: 28292, Start Num: 166

Candidate Starts for VasuNzinga_50:

(120, 26517), (Start: 166 @26580 has 28 MA's), (211, 26661), (246, 26718), (276, 26799), (281, 26805), (317, 26862), (323, 26874), (329, 26886), (352, 26925), (363, 26940), (403, 27009), (423, 27063), (426, 27072), (491, 27228), (510, 27276), (512, 27285), (516, 27294), (528, 27333), (535, 27348), (583, 27411), (587, 27423), (629, 27540), (631, 27543), (657, 27594), (673, 27621), (675, 27624), (682, 27645), (698, 27687), (777, 27807), (787, 27825), (847, 27969), (862, 28014), (871, 28032), (904, 28116), (907, 28125), (912, 28143), (925, 28164), (944, 28209), (946, 28215), (950, 28227), (953, 28239), (957, 28251), (965, 28275), (969, 28281),

Gene: Veliki_23 Start: 17191, Stop: 18957, Start Num: 145

Candidate Starts for Veliki_23:

(Start: 145 @17191 has 749 MA's), (Start: 170 @17221 has 1 MA's), (251, 17380), (261, 17413), (276, 17443), (291, 17476), (298, 17488), (338, 17578), (361, 17620), (404, 17692), (409, 17701), (422, 17740), (436, 17785), (443, 17806), (444, 17809), (482, 17863), (488, 17881), (504, 17923), (508, 17929), (516, 17956), (586, 18094), (593, 18112), (612, 18154), (619, 18172), (628, 18202), (647, 18229), (693, 18334), (797, 18493), (809, 18529), (820, 18559), (823, 18568), (845, 18643), (862, 18694), (909, 18793), (950, 18889), (960, 18928), (961, 18931), (971, 18949),

Gene: Velveteen_17 Start: 14635, Stop: 16344, Start Num: 132

Candidate Starts for Velveteen_17:

(Start: 132 @14635 has 199 MA's), (198, 14722), (Start: 228 @14767 has 2 MA's), (237, 14791), (277, 14896), (282, 14902), (290, 14920), (301, 14950), (349, 15055), (383, 15115), (398, 15136), (404, 15145), (415, 15169), (438, 15244), (439, 15247), (481, 15295), (486, 15310), (488, 15316), (501, 15352), (503, 15355), (509, 15367), (510, 15373), (523, 15421), (530, 15433), (531, 15439), (586, 15499), (590, 15511), (606, 15547), (612, 15559), (644, 15634), (647, 15643), (656, 15661), (659, 15667), (671, 15697), (755, 15802), (761, 15811), (764, 15814), (785, 15850), (813, 15928), (844, 16027), (851, 16048), (862, 16081), (877, 16111), (886, 16141), (889, 16150), (891, 16156), (905, 16171), (906, 16174), (916, 16198), (935, 16228), (940, 16240), (947, 16270), (959, 16312),

Gene: Venti_19 Start: 16385, Stop: 18121, Start Num: 129

Candidate Starts for Venti_19:

(Start: 114 @16361 has 2 MA's), (Start: 129 @16385 has 45 MA's), (174, 16445), (185, 16466), (Start: 187 @16469 has 15 MA's), (250, 16589), (263, 16628), (279, 16661), (291, 16685), (341, 16805), (363, 16844), (365, 16850), (411, 16934), (415, 16940), (418, 16952), (425, 16976), (434, 17003), (441, 17021), (470, 17060), (481, 17066), (489, 17090), (510, 17144), (513, 17156), (517, 17165), (537, 17225), (595, 17303), (612, 17342), (622, 17375), (647, 17441), (654, 17456), (659, 17465), (669, 17489), (686, 17519), (691, 17531), (782, 17633), (788, 17645), (791, 17648), (794, 17654), (796, 17663), (830, 17771), (858, 17855), (898, 17954), (950, 18062), (965, 18110),

Gene: Veracruz_27 Start: 20455, Stop: 22254, Start Num: 145

Candidate Starts for Veracruz_27:

(Start: 145 @20455 has 749 MA's), (Start: 191 @20515 has 1 MA's), (233, 20584), (297, 20686), (303, 20698), (304, 20701), (349, 20776), (361, 20791), (381, 20830), (440, 20965), (470, 21034), (516, 21148), (560, 21274), (616, 21388), (623, 21412), (627, 21424), (629, 21430), (675, 21511), (701, 21586), (708, 21604), (710, 21613), (717, 21637), (720, 21643), (729, 21658), (749, 21691), (777, 21736), (779, 21739), (791, 21760), (833, 21889), (865, 21985), (905, 22090), (907, 22096), (959, 22231),

Gene: Verity_34 Start: 30944, Stop: 32566, Start Num: 190

Candidate Starts for Verity_34:

(Start: 154 @30887 has 21 MA's), (Start: 190 @30944 has 16 MA's), (205, 30965), (237, 31028), (257, 31091), (289, 31151), (294, 31163), (329, 31250), (354, 31301), (371, 31331), (417, 31412), (424, 31439), (489, 31538), (500, 31568), (504, 31577), (517, 31613), (537, 31673), (586, 31721), (589, 31730), (628, 31829), (649, 31868), (656, 31880), (764, 32036), (772, 32048), (787, 32075), (808, 32132), (822, 32171), (824, 32180), (839, 32237), (843, 32249), (859, 32297), (862, 32306), (865, 32312), (875, 32333), (909, 32411), (961, 32549),

Gene: Veteran_16 Start: 14805, Stop: 16514, Start Num: 132

Candidate Starts for Veteran_16:

(Start: 132 @14805 has 199 MA's), (198, 14892), (Start: 228 @14937 has 2 MA's), (237, 14961), (277, 15066), (282, 15072), (290, 15090), (301, 15120), (349, 15225), (379, 15279), (383, 15285), (389, 15294), (398, 15306), (404, 15315), (415, 15339), (425, 15375), (427, 15381), (431, 15393), (438, 15414), (439, 15417), (442, 15426), (459, 15441), (467, 15447), (481, 15465), (486, 15480), (488, 15486), (493, 15504), (494, 15507), (501, 15522), (509, 15537), (510, 15543), (520, 15573), (523, 15591), (530, 15603), (531, 15609), (586, 15669), (590, 15681), (606, 15717), (612, 15729), (620, 15750), (644, 15804), (647, 15813), (659, 15837), (671, 15867), (755, 15972), (764, 15984), (785, 16020), (803, 16059), (813, 16098), (844, 16197), (851, 16218), (862, 16251), (877, 16281), (886, 16311), (889, 16320), (891, 16326), (905, 16341), (906, 16344), (914, 16365), (916, 16368), (940, 16410), (947, 16440), (959, 16482), (960, 16488),

Gene: Vetric_18 Start: 16995, Stop: 18728, Start Num: 165

Candidate Starts for Vetric_18:

(Start: 165 @16995 has 28 MA's), (205, 17064), (274, 17205), (276, 17208), (306, 17253), (326, 17286), (329, 17295), (350, 17331), (379, 17385), (397, 17412), (405, 17424), (423, 17475), (425, 17481), (436, 17514), (500, 17667), (510, 17691), (512, 17700), (527, 17745), (533, 17760), (583, 17838), (626, 17958), (657, 18021), (691, 18093), (703, 18129), (783, 18249), (787, 18255), (794, 18267), (826, 18330), (841, 18381), (854, 18417), (862, 18444), (890, 18513), (897, 18528), (905, 18540), (912, 18564), (944, 18642),

Gene: ViaConlectus_35 Start: 29390, Stop: 31012, Start Num: 190

Candidate Starts for ViaConlectus_35:

(Start: 190 @29390 has 16 MA's), (205, 29411), (210, 29423), (237, 29474), (251, 29513), (257, 29537), (294, 29609), (329, 29696), (354, 29747), (371, 29777), (429, 29900), (489, 29984), (500, 30014), (504, 30023), (516, 30056), (517, 30059), (537, 30119), (586, 30167), (589, 30176), (628, 30275), (649, 30314), (656, 30326), (764, 30482), (787, 30521), (809, 30581), (810, 30584), (820, 30611), (824, 30626), (839, 30683), (843, 30695), (859, 30743), (862, 30752), (865, 30758), (875, 30779), (886, 30812), (899, 30842), (909, 30857), (938, 30908), (959, 30986), (961, 30995),

Gene: Vidya_19 Start: 16385, Stop: 18121, Start Num: 129

Candidate Starts for Vidya_19:

(Start: 114 @16361 has 2 MA's), (Start: 129 @16385 has 45 MA's), (174, 16445), (185, 16466), (Start: 187 @16469 has 15 MA's), (250, 16589), (263, 16628), (279, 16661), (291, 16685), (341, 16805), (363, 16844), (365, 16850), (411, 16934), (415, 16940), (418, 16952), (425, 16976), (434, 17003), (441, 17021), (470, 17060), (481, 17066), (489, 17090), (510, 17144), (513, 17156), (517, 17165), (537, 17225), (595, 17303), (612, 17342), (622, 17375), (647, 17441), (654, 17456), (659, 17465), (669, 17489), (686, 17519), (691, 17531), (782, 17633), (788, 17645), (791, 17648), (794, 17654), (796, 17663), (830, 17771), (858, 17855), (898, 17954), (950, 18062), (965, 18110),

Gene: Vine_19 Start: 16430, Stop: 18124, Start Num: 145

Candidate Starts for Vine_19:

(Start: 135 @16427 has 8 MA's), (Start: 145 @16430 has 749 MA's), (213, 16529), (Start: 239 @16571 has 1 MA's), (379, 16811), (423, 16898), (430, 16919), (433, 16928), (442, 16955), (463, 17000), (481, 17033), (486, 17048), (493, 17072), (506, 17105), (516, 17138), (520, 17150), (539,

17207), (582, 17255), (592, 17285), (606, 17315), (613, 17330), (628, 17378), (654, 17429), (675, 17465), (680, 17480), (689, 17498), (708, 17555), (710, 17564), (796, 17684), (802, 17696), (828, 17744), (844, 17795), (845, 17798), (851, 17816), (881, 17894), (890, 17921), (907, 17963), (961, 18110), (965, 18116),

Gene: Violet_26 Start: 21646, Stop: 23448, Start Num: 148

Candidate Starts for Violet_26:

(Start: 148 @21646 has 202 MA's), (Start: 166 @21667 has 28 MA's), (Start: 191 @21709 has 1 MA's), (215, 21754), (349, 21970), (376, 22015), (381, 22024), (407, 22063), (425, 22114), (426, 22117), (507, 22312), (528, 22381), (616, 22582), (617, 22585), (623, 22606), (674, 22702), (675, 22705), (677, 22711), (701, 22780), (708, 22798), (710, 22807), (720, 22837), (779, 22933), (795, 22966), (802, 22981), (845, 23122), (865, 23179), (907, 23290), (966, 23443),

Gene: Vivi2_37 Start: 31487, Stop: 33250, Start Num: 107

Candidate Starts for Vivi2_37:

(100, 31469), (Start: 107 @31487 has 72 MA's), (Start: 126 @31523 has 1 MA's), (216, 31661), (259, 31757), (265, 31766), (319, 31835), (349, 31886), (376, 31931), (385, 31946), (425, 32027), (440, 32072), (443, 32081), (487, 32171), (495, 32201), (503, 32216), (510, 32240), (520, 32270), (586, 32375), (629, 32492), (644, 32510), (649, 32525), (668, 32555), (674, 32567), (675, 32570), (686, 32597), (844, 32918), (845, 32921), (846, 32924), (862, 32972), (875, 32999), (884, 33026), (905, 33080), (912, 33104), (913, 33107), (951, 33197), (966, 33245),

Gene: Vix_29 Start: 20461, Stop: 22257, Start Num: 145

Candidate Starts for Vix_29:

(Start: 145 @20461 has 749 MA's), (Start: 191 @20518 has 1 MA's), (199, 20533), (216, 20566), (233, 20587), (Start: 239 @20602 has 1 MA's), (297, 20689), (303, 20701), (304, 20704), (349, 20779), (361, 20794), (379, 20830), (470, 21037), (516, 21151), (528, 21190), (560, 21277), (616, 21391), (623, 21415), (629, 21433), (675, 21514), (701, 21589), (708, 21607), (717, 21640), (720, 21646), (739, 21685), (777, 21739), (779, 21742), (791, 21763), (810, 21820), (865, 21988), (905, 22093), (907, 22099), (959, 22234),

Gene: VohminGhazi_31 Start: 19976, Stop: 21748, Start Num: 145

Candidate Starts for VohminGhazi_31:

(103, 19910), (Start: 128 @19952 has 10 MA's), (Start: 145 @19976 has 749 MA's), (261, 20174), (304, 20213), (347, 20285), (349, 20288), (363, 20306), (381, 20342), (385, 20348), (434, 20459), (436, 20465), (448, 20504), (470, 20546), (488, 20585), (504, 20627), (507, 20630), (523, 20690), (624, 20927), (629, 20942), (675, 21023), (720, 21155), (802, 21281), (817, 21332), (821, 21341), (832, 21380), (833, 21383), (836, 21395), (865, 21479), (905, 21584), (907, 21590), (959, 21725),

Gene: Volt_55 Start: 28894, Stop: 30579, Start Num: 137

Candidate Starts for Volt_55:

(68, 28702), (69, 28711), (73, 28717), (97, 28819), (Start: 110 @28849 has 1 MA's), (Start: 137 @28894 has 84 MA's), (236, 29035), (328, 29194), (360, 29248), (434, 29404), (480, 29503), (495, 29551), (516, 29608), (521, 29623), (582, 29713), (634, 29851), (674, 29914), (708, 30010), (749, 30061), (751, 30064), (756, 30076), (802, 30151), (806, 30166), (844, 30250), (875, 30331), (915, 30442), (957, 30547), (961, 30565),

Gene: Vordorf_22 Start: 18371, Stop: 20029, Start Num: 176

Candidate Starts for Vordorf_22:

(81, 18182), (99, 18242), (Start: 153 @18335 has 1 MA's), (Start: 176 @18371 has 2 MA's), (Start: 183 @18383 has 3 MA's), (244, 18497), (246, 18503), (280, 18581), (306, 18647), (308, 18653), (361, 18764), (365, 18773), (380, 18800), (384, 18806), (386, 18809), (400, 18830), (486, 19001), (487, 19004), (511, 19070), (517, 19085), (575, 19169), (580, 19178), (600, 19220), (606, 19241), (623,

19289), (627, 19301), (638, 19328), (675, 19397), (699, 19466), (710, 19499), (760, 19556), (809, 19607), (831, 19676), (847, 19727), (859, 19763), (865, 19778), (887, 19835), (890, 19844), (914, 19883), (936, 19922), (939, 19928),

Gene: Vorrps_56 Start: 33517, Stop: 35253, Start Num: 118

Candidate Starts for Vorrps_56:

(Start: 113 @33508 has 2 MA's), (Start: 118 @33517 has 26 MA's), (180, 33607), (244, 33724), (256, 33760), (265, 33781), (277, 33808), (282, 33814), (295, 33844), (303, 33868), (328, 33919), (404, 34057), (408, 34063), (424, 34114), (425, 34117), (431, 34135), (481, 34186), (488, 34207), (489, 34210), (509, 34258), (510, 34264), (523, 34312), (527, 34318), (530, 34324), (575, 34384), (586, 34408), (587, 34411), (606, 34456), (613, 34471), (616, 34480), (620, 34489), (636, 34534), (647, 34552), (665, 34585), (764, 34723), (777, 34744), (806, 34810), (814, 34840), (830, 34894), (844, 34936), (851, 34957), (858, 34978), (862, 34990), (872, 35011), (891, 35065), (938, 35143), (947, 35179), (953, 35200), (960, 35227),

Gene: Wachhund_16 Start: 14831, Stop: 16540, Start Num: 132

Candidate Starts for Wachhund_16:

(Start: 132 @14831 has 199 MA's), (198, 14918), (Start: 228 @14963 has 2 MA's), (237, 14987), (277, 15092), (282, 15098), (290, 15116), (301, 15146), (349, 15251), (383, 15311), (398, 15332), (404, 15341), (415, 15365), (481, 15491), (486, 15506), (488, 15512), (501, 15548), (503, 15551), (509, 15563), (510, 15569), (523, 15617), (530, 15629), (531, 15635), (586, 15695), (590, 15707), (606, 15743), (612, 15755), (644, 15830), (647, 15839), (656, 15857), (659, 15863), (671, 15893), (755, 15998), (761, 16007), (764, 16010), (785, 16046), (813, 16124), (844, 16223), (851, 16244), (862, 16277), (877, 16307), (886, 16337), (889, 16346), (891, 16352), (905, 16367), (906, 16370), (916, 16394), (935, 16424), (940, 16436), (947, 16466), (959, 16508),

Gene: Waits_30 Start: 19063, Stop: 20850, Start Num: 145

Candidate Starts for Waits_30:

(103, 18997), (Start: 128 @19039 has 10 MA's), (Start: 145 @19063 has 749 MA's), (240, 19201), (259, 19258), (304, 19300), (328, 19336), (349, 19375), (391, 19444), (407, 19468), (426, 19522), (488, 19672), (507, 19717), (516, 19747), (527, 19783), (543, 19834), (559, 19870), (587, 19918), (613, 19978), (674, 20107), (701, 20185), (802, 20386), (804, 20392), (833, 20488), (892, 20653), (938, 20752),

Gene: Walrus_20 Start: 16873, Stop: 18519, Start Num: 220

Candidate Starts for Walrus_20:

(196, 16837), (Start: 220 @16873 has 45 MA's), (261, 16975), (295, 17053), (296, 17056), (337, 17152), (355, 17191), (404, 17272), (423, 17326), (428, 17341), (482, 17437), (510, 17512), (520, 17542), (620, 17725), (626, 17749), (658, 17800), (695, 17893), (700, 17905), (738, 17950), (747, 17965), (809, 18097), (810, 18100), (841, 18199), (847, 18217), (865, 18268), (888, 18328), (890, 18334), (927, 18397), (935, 18409),

Gene: WalterMcMickey_27 Start: 19820, Stop: 21598, Start Num: 145

Candidate Starts for WalterMcMickey_27:

(Start: 145 @19820 has 749 MA's), (Start: 191 @19877 has 1 MA's), (199, 19892), (216, 19925), (233, 19946), (297, 20048), (303, 20060), (304, 20063), (349, 20138), (361, 20153), (381, 20192), (434, 20309), (440, 20327), (470, 20396), (501, 20471), (516, 20510), (528, 20549), (560, 20636), (587, 20681), (616, 20750), (623, 20774), (627, 20786), (629, 20792), (675, 20873), (708, 20966), (710, 20975), (717, 20999), (720, 21005), (729, 21020), (757, 21053), (791, 21104), (798, 21122), (810, 21161), (841, 21260), (865, 21329), (877, 21353), (879, 21359), (905, 21434), (907, 21440), (909, 21449), (938, 21500), (959, 21575),

Gene: Wamburgexpress_18 Start: 16759, Stop: 18528, Start Num: 130

Candidate Starts for Wamburgxpress_18:

(Start: 98 @16696 has 1 MA's), (106, 16717), (Start: 114 @16732 has 2 MA's), (Start: 130 @16759 has 38 MA's), (194, 16852), (Start: 220 @16900 has 45 MA's), (225, 16906), (245, 16933), (246, 16936), (248, 16942), (274, 17014), (281, 17023), (301, 17047), (306, 17062), (323, 17092), (397, 17218), (403, 17227), (413, 17248), (418, 17263), (440, 17332), (451, 17368), (467, 17389), (494, 17458), (510, 17497), (583, 17635), (587, 17647), (616, 17722), (619, 17728), (623, 17746), (638, 17785), (657, 17818), (661, 17827), (669, 17836), (674, 17845), (716, 17968), (732, 18004), (787, 18052), (794, 18064), (824, 18118), (854, 18214), (859, 18232), (861, 18238), (862, 18241), (879, 18274), (886, 18298), (912, 18361), (932, 18403), (944, 18442), (950, 18460), (956, 18481), (961, 18502),

Gene: Wanda_37 Start: 26916, Stop: 28914, Start Num: 133

Candidate Starts for Wanda_37:

(Start: 133 @26916 has 29 MA's), (Start: 197 @27006 has 47 MA's), (223, 27054), (237, 27084), (247, 27111), (291, 27213), (302, 27243), (321, 27294), (345, 27342), (365, 27378), (367, 27384), (380, 27405), (418, 27477), (421, 27486), (427, 27507), (488, 27615), (489, 27618), (493, 27633), (510, 27672), (523, 27720), (530, 27732), (531, 27738), (573, 27786), (579, 27795), (587, 27816), (595, 27834), (615, 27882), (656, 27984), (691, 28056), (706, 28101), (709, 28113), (726, 28248), (727, 28254), (728, 28278), (740, 28350), (754, 28377), (852, 28626),

Gene: Wander_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Wander_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Waterfoul_21 Start: 17516, Stop: 19288, Start Num: 150

Candidate Starts for Waterfoul_21:

(Start: 150 @17516 has 25 MA's), (155, 17522), (172, 17546), (Start: 193 @17579 has 1 MA's), (222, 17627), (244, 17681), (261, 17732), (291, 17795), (341, 17903), (404, 18011), (443, 18125), (444, 18128), (465, 18167), (482, 18182), (486, 18194), (488, 18200), (504, 18242), (508, 18248), (520, 18287), (527, 18311), (586, 18413), (613, 18476), (627, 18521), (693, 18656), (754, 18755), (802, 18833), (808, 18857), (810, 18863), (814, 18878), (845, 18974), (847, 18980), (914, 19133), (955, 19238), (956, 19241), (960, 19259),

Gene: Watermelon_29 Start: 21982, Stop: 23784, Start Num: 148

Candidate Starts for Watermelon_29:

(Start: 148 @21982 has 202 MA's), (Start: 166 @22003 has 28 MA's), (Start: 191 @22045 has 1 MA's), (215, 22090), (349, 22306), (376, 22351), (381, 22360), (407, 22399), (425, 22450), (426, 22453), (507, 22648), (528, 22717), (616, 22918), (617, 22921), (623, 22942), (674, 23038), (675, 23041), (677, 23047), (701, 23116), (708, 23134), (710, 23143), (720, 23173), (779, 23269), (795, 23302), (802, 23317), (845, 23458), (865, 23515), (907, 23626), (966, 23779),

Gene: Watson_29 Start: 20371, Stop: 22167, Start Num: 145

Candidate Starts for Watson_29:

(Start: 145 @20371 has 749 MA's), (Start: 191 @20428 has 1 MA's), (199, 20443), (216, 20476), (233, 20497), (Start: 239 @20512 has 1 MA's), (297, 20599), (303, 20611), (304, 20614), (349, 20689), (361, 20704), (379, 20740), (470, 20947), (516, 21061), (528, 21100), (560, 21187), (616, 21301), (623, 21325), (629, 21343), (675, 21424), (701, 21499), (708, 21517), (717, 21550), (720, 21556),

(739, 21595), (777, 21649), (779, 21652), (791, 21673), (810, 21730), (865, 21898), (905, 22003), (907, 22009), (959, 22144),

Gene: Webster2_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for Webster2_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: Wee_17 Start: 15380, Stop: 17089, Start Num: 132

Candidate Starts for Wee_17:

(Start: 132 @15380 has 199 MA's), (198, 15467), (Start: 228 @15512 has 2 MA's), (237, 15536), (277, 15641), (282, 15647), (290, 15665), (301, 15695), (349, 15800), (383, 15860), (398, 15881), (404, 15890), (415, 15914), (481, 16040), (486, 16055), (488, 16061), (501, 16097), (503, 16100), (509, 16112), (510, 16118), (523, 16166), (530, 16178), (531, 16184), (586, 16244), (590, 16256), (606, 16292), (612, 16304), (644, 16379), (647, 16388), (656, 16406), (659, 16412), (671, 16442), (755, 16547), (761, 16556), (764, 16559), (785, 16595), (813, 16673), (844, 16772), (851, 16793), (862, 16826), (877, 16856), (886, 16886), (889, 16895), (891, 16901), (905, 16916), (906, 16919), (916, 16943), (935, 16973), (940, 16985), (947, 17015), (959, 17057),

Gene: WeiHuaDA_34 Start: 22438, Stop: 24234, Start Num: 128

Candidate Starts for WeiHuaDA_34:

(103, 22396), (Start: 128 @22438 has 10 MA's), (Start: 145 @22462 has 749 MA's), (303, 22696), (304, 22699), (347, 22771), (349, 22774), (381, 22828), (385, 22834), (407, 22867), (434, 22945), (470, 23032), (504, 23113), (507, 23116), (516, 23146), (617, 23389), (668, 23494), (675, 23509), (720, 23641), (757, 23689), (779, 23719), (795, 23752), (802, 23767), (804, 23773), (821, 23827), (836, 23881), (865, 23965), (890, 24031), (905, 24070), (907, 24076),

Gene: Weirido19_19 Start: 16080, Stop: 17819, Start Num: 143

Candidate Starts for Weirido19_19:

(120, 16044), (Start: 143 @16080 has 53 MA's), (Start: 162 @16101 has 3 MA's), (Start: 164 @16104 has 42 MA's), (202, 16164), (207, 16170), (210, 16176), (226, 16200), (Start: 239 @16233 has 1 MA's), (273, 16326), (286, 16347), (325, 16446), (400, 16581), (404, 16587), (410, 16602), (419, 16626), (432, 16668), (486, 16758), (489, 16767), (516, 16839), (520, 16851), (521, 16854), (523, 16869), (542, 16920), (585, 16965), (600, 16995), (627, 17076), (675, 17163), (758, 17319), (769, 17325), (855, 17532), (886, 17616), (895, 17637), (909, 17655), (936, 17703), (953, 17763),

Gene: WelcomeAyanna_18 Start: 17806, Stop: 19404, Start Num: 268

Candidate Starts for WelcomeAyanna_18:

(108, 17509), (Start: 157 @17584 has 12 MA's), (172, 17605), (217, 17689), (Start: 268 @17806 has 52 MA's), (418, 18064), (424, 18082), (425, 18085), (443, 18139), (496, 18283), (505, 18304), (521, 18355), (532, 18391), (534, 18394), (582, 18427), (605, 18484), (683, 18661), (694, 18685), (705, 18721), (745, 18823), (779, 18880), (813, 18970), (894, 19210), (932, 19288),

Gene: Whabigail7_30 Start: 20683, Stop: 22455, Start Num: 145

Candidate Starts for Whabigail7_30:

(Start: 128 @20659 has 10 MA's), (Start: 145 @20683 has 749 MA's), (216, 20782), (256, 20866), (303, 20917), (304, 20920), (347, 20992), (349, 20995), (381, 21049), (407, 21088), (434, 21166),

(470, 21253), (504, 21334), (507, 21337), (582, 21523), (617, 21610), (668, 21715), (675, 21730), (717, 21856), (720, 21862), (757, 21910), (802, 21988), (804, 21994), (821, 22048), (832, 22087), (836, 22102), (865, 22186), (907, 22297),

Gene: Whack_18 Start: 17086, Stop: 18663, Start Num: 193

Candidate Starts for Whack_18:

(Start: 193 @17086 has 1 MA's), (251, 17212), (259, 17242), (381, 17488), (390, 17503), (424, 17578), (486, 17668), (487, 17671), (488, 17674), (510, 17734), (609, 17914), (691, 18070), (782, 18172), (788, 18184), (794, 18193), (824, 18286), (837, 18331), (844, 18352), (877, 18439), (953, 18616), (957, 18628), (961, 18646),

Gene: Whatsapiecost_16 Start: 14856, Stop: 16565, Start Num: 132

Candidate Starts for Whatsapiecost_16:

(Start: 132 @14856 has 199 MA's), (198, 14943), (Start: 228 @14988 has 2 MA's), (237, 15012), (277, 15117), (282, 15123), (290, 15141), (301, 15171), (349, 15276), (383, 15336), (398, 15357), (404, 15366), (415, 15390), (481, 15516), (486, 15531), (488, 15537), (501, 15573), (503, 15576), (509, 15588), (510, 15594), (523, 15642), (530, 15654), (531, 15660), (586, 15720), (590, 15732), (606, 15768), (612, 15780), (644, 15855), (647, 15864), (656, 15882), (659, 15888), (671, 15918), (755, 16023), (761, 16032), (764, 16035), (785, 16071), (813, 16149), (844, 16248), (851, 16269), (862, 16302), (877, 16332), (886, 16362), (889, 16371), (891, 16377), (905, 16392), (906, 16395), (916, 16419), (935, 16449), (940, 16461), (947, 16491), (959, 16533),

Gene: WheatThin_22 Start: 17344, Stop: 19050, Start Num: 187

Candidate Starts for WheatThin_22:

(131, 17269), (Start: 187 @17344 has 15 MA's), (Start: 239 @17437 has 1 MA's), (244, 17452), (246, 17458), (275, 17533), (305, 17605), (359, 17716), (384, 17761), (395, 17779), (404, 17791), (486, 17962), (489, 17971), (491, 17977), (504, 18010), (523, 18073), (542, 18124), (564, 18148), (585, 18172), (616, 18247), (628, 18286), (691, 18418), (758, 18532), (808, 18619), (844, 18733), (847, 18742), (886, 18847), (936, 18934), (971, 19042),

Gene: Wheeler_27 Start: 21414, Stop: 23216, Start Num: 148

Candidate Starts for Wheeler_27:

(Start: 148 @21414 has 202 MA's), (Start: 166 @21435 has 28 MA's), (Start: 191 @21477 has 1 MA's), (215, 21522), (349, 21738), (376, 21783), (381, 21792), (407, 21831), (425, 21882), (426, 21885), (463, 21978), (507, 22080), (528, 22149), (616, 22350), (617, 22353), (623, 22374), (674, 22470), (675, 22473), (677, 22479), (701, 22548), (708, 22566), (710, 22575), (720, 22605), (779, 22701), (795, 22734), (802, 22749), (845, 22890), (865, 22947), (907, 23058), (966, 23211),

Gene: Wheezy_41 Start: 29808, Stop: 31421, Start Num: 260

Candidate Starts for Wheezy_41:

(Start: 260 @29808 has 35 MA's), (Start: 288 @29844 has 1 MA's), (295, 29862), (322, 29922), (443, 30162), (447, 30174), (452, 30189), (484, 30255), (489, 30270), (497, 30294), (498, 30297), (527, 30381), (538, 30411), (539, 30414), (572, 30471), (592, 30519), (594, 30522), (604, 30543), (643, 30648), (671, 30693), (688, 30735), (756, 30909), (774, 30939), (780, 30945), (826, 31053), (827, 31056), (851, 31131), (947, 31350), (964, 31407),

Gene: Whirlwind_20 Start: 17130, Stop: 18893, Start Num: 130

Candidate Starts for Whirlwind_20:

(Start: 130 @17130 has 38 MA's), (155, 17157), (194, 17220), (225, 17274), (248, 17310), (276, 17385), (301, 17415), (306, 17430), (329, 17472), (397, 17586), (405, 17598), (443, 17709), (507, 17853), (510, 17865), (616, 18087), (619, 18093), (638, 18150), (661, 18192), (669, 18201), (675, 18213), (701, 18288), (723, 18354), (732, 18369), (787, 18417), (824, 18483), (847, 18561), (862, 18606), (886, 18663), (912, 18726), (930, 18762), (936, 18777), (944, 18807), (946, 18813), (950,

18825), (952, 18834), (956, 18846),

Gene: Whiteclaw_17 Start: 14758, Stop: 16467, Start Num: 269

Candidate Starts for Whiteclaw_17:

(Start: 269 @14758 has 31 MA's), (324, 14875), (405, 15025), (424, 15064), (429, 15079), (452, 15148), (459, 15160), (489, 15238), (490, 15241), (532, 15373), (547, 15427), (581, 15508), (605, 15568), (608, 15574), (610, 15580), (649, 15661), (671, 15697), (688, 15733), (694, 15751), (707, 15790), (731, 15862), (745, 15886), (841, 16120), (846, 16135), (860, 16177), (893, 16270), (894, 16273), (918, 16321), (932, 16351),

Gene: Whitney_21 Start: 17225, Stop: 18922, Start Num: 145

Candidate Starts for Whitney_21:

(Start: 121 @17186 has 1 MA's), (Start: 145 @17225 has 749 MA's), (Start: 156 @17237 has 4 MA's), (158, 17240), (182, 17276), (205, 17315), (216, 17336), (241, 17378), (244, 17384), (245, 17387), (250, 17399), (261, 17435), (303, 17471), (329, 17528), (360, 17576), (375, 17603), (425, 17705), (438, 17744), (463, 17801), (469, 17819), (478, 17828), (481, 17834), (495, 17882), (508, 17912), (519, 17948), (521, 17954), (527, 17975), (528, 17978), (549, 18029), (583, 18056), (584, 18059), (594, 18086), (606, 18113), (632, 18185), (655, 18224), (687, 18278), (710, 18350), (730, 18395), (783, 18458), (796, 18485), (798, 18488), (804, 18503), (841, 18587), (844, 18596), (845, 18599), (847, 18605), (851, 18617), (853, 18620), (863, 18650), (866, 18656), (875, 18677), (877, 18680), (894, 18734), (907, 18764), (909, 18773), (937, 18824), (947, 18857), (951, 18869), (956, 18887),

Gene: Whitty_19 Start: 16980, Stop: 18686, Start Num: 166

Candidate Starts for Whitty_19:

(95, 16872), (101, 16884), (Start: 166 @16980 has 28 MA's), (205, 17046), (252, 17121), (254, 17127), (297, 17211), (326, 17265), (350, 17310), (352, 17313), (391, 17379), (510, 17664), (616, 17886), (698, 18075), (787, 18213), (794, 18225), (862, 18402), (879, 18438), (944, 18603), (952, 18630), (965, 18669), (969, 18675),

Gene: WhoseManz_43 Start: 27503, Stop: 29119, Start Num: 260

Candidate Starts for WhoseManz_43:

(Start: 260 @27503 has 35 MA's), (Start: 268 @27515 has 52 MA's), (Start: 288 @27539 has 1 MA's), (322, 27617), (424, 27800), (443, 27857), (447, 27869), (452, 27884), (484, 27950), (489, 27965), (497, 27989), (527, 28076), (530, 28082), (538, 28106), (572, 28166), (586, 28196), (594, 28217), (633, 28322), (643, 28343), (688, 28430), (704, 28478), (756, 28604), (780, 28640), (844, 28805), (850, 28823), (862, 28859), (943, 29033), (947, 29045), (964, 29102),

Gene: Whouxphf_16 Start: 14910, Stop: 16619, Start Num: 132

Candidate Starts for Whouxphf_16:

(Start: 132 @14910 has 199 MA's), (198, 14997), (210, 15018), (Start: 228 @15042 has 2 MA's), (237, 15066), (277, 15171), (282, 15177), (290, 15195), (301, 15225), (349, 15330), (383, 15390), (398, 15411), (404, 15420), (415, 15444), (425, 15480), (427, 15486), (431, 15498), (438, 15519), (467, 15552), (481, 15570), (486, 15585), (488, 15591), (501, 15627), (509, 15642), (510, 15648), (523, 15696), (530, 15708), (531, 15714), (586, 15774), (606, 15822), (612, 15834), (620, 15855), (644, 15909), (647, 15918), (656, 15936), (659, 15942), (671, 15972), (755, 16077), (764, 16089), (785, 16125), (813, 16203), (844, 16302), (851, 16323), (862, 16356), (877, 16386), (886, 16416), (888, 16422), (889, 16425), (891, 16431), (905, 16446), (906, 16449), (914, 16470), (916, 16473), (940, 16515), (959, 16587),

Gene: WideWale_30 Start: 20656, Stop: 22428, Start Num: 145

Candidate Starts for WideWale_30:

(Start: 128 @20632 has 10 MA's), (Start: 145 @20656 has 749 MA's), (Start: 239 @20791 has 1 MA's), (303, 20890), (304, 20893), (347, 20965), (349, 20968), (381, 21022), (385, 21028), (419,

21091), (434, 21139), (445, 21172), (470, 21226), (504, 21307), (507, 21310), (516, 21340), (582, 21496), (617, 21583), (675, 21703), (716, 21826), (717, 21829), (720, 21835), (757, 21883), (795, 21946), (802, 21961), (804, 21967), (821, 22021), (832, 22060), (836, 22075), (847, 22108), (862, 22153), (905, 22264), (907, 22270), (935, 22324),

Gene: Widow_18 Start: 15130, Stop: 16746, Start Num: 184

Candidate Starts for Widow_18:

(Start: 184 @15130 has 11 MA's), (236, 15226), (304, 15394), (308, 15406), (333, 15457), (404, 15580), (457, 15697), (504, 15775), (530, 15850), (542, 15883), (609, 15976), (616, 15997), (669, 16114), (691, 16156), (695, 16174), (700, 16186), (701, 16189), (799, 16294), (802, 16300), (806, 16315), (824, 16372), (909, 16591), (951, 16690),

Gene: Wiggin_27 Start: 20250, Stop: 21929, Start Num: 137

Candidate Starts for Wiggin_27:

(Start: 137 @20250 has 84 MA's), (Start: 197 @20334 has 47 MA's), (Start: 239 @20412 has 1 MA's), (272, 20499), (282, 20514), (301, 20562), (315, 20601), (363, 20688), (380, 20721), (404, 20757), (417, 20787), (418, 20793), (441, 20862), (483, 20892), (487, 20904), (488, 20907), (510, 20964), (587, 21096), (589, 21102), (617, 21168), (620, 21174), (626, 21198), (647, 21246), (659, 21270), (665, 21279), (695, 21354), (761, 21405), (772, 21420), (833, 21582), (841, 21609), (851, 21639), (890, 21744), (938, 21822), (947, 21858), (950, 21867), (959, 21900), (965, 21915),

Gene: Wigglewiggles_18 Start: 17021, Stop: 18754, Start Num: 165

Candidate Starts for Wigglewiggles_18:

(Start: 165 @17021 has 28 MA's), (205, 17090), (274, 17231), (276, 17234), (306, 17279), (326, 17312), (329, 17321), (350, 17357), (379, 17411), (397, 17438), (405, 17450), (423, 17501), (425, 17507), (436, 17540), (500, 17693), (510, 17717), (512, 17726), (527, 17771), (533, 17786), (583, 17864), (626, 17984), (657, 18047), (691, 18119), (703, 18155), (783, 18275), (787, 18281), (794, 18293), (826, 18356), (854, 18443), (862, 18470), (890, 18539), (897, 18554), (905, 18566), (912, 18590), (944, 18668),

Gene: Wiks_31 Start: 19971, Stop: 21743, Start Num: 145

Candidate Starts for Wiks_31:

(103, 19905), (Start: 128 @19947 has 10 MA's), (Start: 145 @19971 has 749 MA's), (304, 20208), (347, 20280), (349, 20283), (361, 20298), (381, 20337), (385, 20343), (434, 20454), (436, 20460), (448, 20499), (470, 20541), (488, 20580), (504, 20622), (507, 20625), (560, 20781), (624, 20922), (629, 20937), (720, 21150), (791, 21249), (802, 21276), (817, 21327), (821, 21336), (832, 21375), (836, 21390), (865, 21474), (905, 21579), (907, 21585), (959, 21720),

Gene: Wilbur_27 Start: 19827, Stop: 21605, Start Num: 145

Candidate Starts for Wilbur_27:

(Start: 128 @19803 has 10 MA's), (Start: 145 @19827 has 749 MA's), (Start: 191 @19884 has 1 MA's), (Start: 220 @19938 has 45 MA's), (233, 19953), (240, 19971), (297, 20055), (303, 20067), (304, 20070), (349, 20145), (361, 20160), (381, 20199), (434, 20316), (470, 20403), (504, 20484), (521, 20532), (528, 20556), (560, 20643), (587, 20688), (617, 20760), (623, 20781), (629, 20799), (675, 20880), (708, 20973), (710, 20982), (717, 21006), (720, 21012), (731, 21036), (779, 21090), (791, 21111), (808, 21162), (815, 21186), (833, 21240), (865, 21336), (905, 21441), (909, 21456), (954, 21564), (959, 21582),

Gene: Wildcat_40 Start: 25260, Stop: 27644, Start Num: 18

Candidate Starts for Wildcat_40:

(Start: 18 @25260 has 5 MA's), (28, 25377), (34, 25398), (35, 25401), (37, 25431), (39, 25437), (40, 25446), (55, 25536), (59, 25572), (60, 25590), (63, 25617), (65, 25629), (66, 25638), (76, 25701), (83, 25737), (93, 25773), (94, 25776), (97, 25782), (Start: 134 @25854 has 40 MA's), (163, 25884), (204,

25953), (205, 25956), (245, 26043), (252, 26061), (253, 26064), (274, 26124), (303, 26163), (326, 26205), (329, 26214), (331, 26220), (343, 26235), (350, 26250), (376, 26298), (423, 26394), (437, 26436), (438, 26439), (510, 26616), (516, 26634), (521, 26649), (523, 26664), (533, 26685), (543, 26718), (552, 26727), (582, 26757), (598, 26796), (612, 26838), (616, 26850), (617, 26853), (638, 26913), (674, 26973), (691, 27018), (703, 27054), (729, 27120), (783, 27174), (787, 27180), (824, 27246), (882, 27417), (892, 27441), (944, 27561), (951, 27582), (953, 27591), (965, 27627),

Gene: Wilder_18 Start: 16994, Stop: 18727, Start Num: 165

Candidate Starts for Wilder_18:

(Start: 165 @16994 has 28 MA's), (205, 17063), (274, 17204), (276, 17207), (306, 17252), (326, 17285), (329, 17294), (350, 17330), (379, 17384), (397, 17411), (405, 17423), (423, 17474), (425, 17480), (436, 17513), (500, 17666), (510, 17690), (512, 17699), (527, 17744), (533, 17759), (583, 17837), (626, 17957), (657, 18020), (691, 18092), (703, 18128), (783, 18248), (787, 18254), (794, 18266), (826, 18329), (854, 18416), (862, 18443), (890, 18512), (897, 18527), (905, 18539), (912, 18563), (944, 18641),

Gene: Wildflower_56 Start: 33020, Stop: 34765, Start Num: 113

Candidate Starts for Wildflower_56:

(Start: 113 @33020 has 2 MA's), (Start: 118 @33029 has 26 MA's), (180, 33119), (244, 33236), (256, 33272), (265, 33293), (277, 33320), (282, 33326), (295, 33356), (303, 33380), (328, 33431), (404, 33569), (408, 33575), (424, 33626), (425, 33629), (431, 33647), (481, 33698), (488, 33719), (489, 33722), (501, 33755), (509, 33770), (510, 33776), (523, 33824), (527, 33830), (530, 33836), (575, 33896), (586, 33920), (587, 33923), (606, 33968), (613, 33983), (616, 33992), (620, 34001), (636, 34046), (647, 34064), (665, 34097), (764, 34235), (777, 34256), (806, 34322), (814, 34352), (830, 34406), (844, 34448), (851, 34469), (858, 34490), (862, 34502), (872, 34523), (891, 34577), (938, 34655), (947, 34691), (953, 34712), (960, 34739),

Gene: Wile_27 Start: 19836, Stop: 21635, Start Num: 145

Candidate Starts for Wile_27:

(Start: 128 @19812 has 10 MA's), (Start: 145 @19836 has 749 MA's), (Start: 150 @19842 has 25 MA's), (Start: 191 @19896 has 1 MA's), (233, 19965), (261, 20043), (297, 20067), (304, 20082), (328, 20118), (349, 20157), (361, 20172), (381, 20211), (426, 20304), (434, 20328), (470, 20415), (516, 20529), (528, 20568), (560, 20655), (587, 20700), (616, 20769), (623, 20793), (627, 20805), (675, 20892), (701, 20967), (708, 20985), (710, 20994), (717, 21018), (720, 21024), (729, 21039), (749, 21072), (777, 21117), (779, 21120), (791, 21141), (865, 21366), (894, 21444), (905, 21471), (907, 21477), (959, 21612),

Gene: Wilkins_27 Start: 20952, Stop: 22754, Start Num: 148

Candidate Starts for Wilkins_27:

(Start: 148 @20952 has 202 MA's), (Start: 166 @20973 has 28 MA's), (Start: 191 @21015 has 1 MA's), (215, 21060), (349, 21276), (376, 21321), (381, 21330), (407, 21369), (425, 21420), (426, 21423), (463, 21516), (507, 21618), (528, 21687), (612, 21876), (616, 21888), (617, 21891), (623, 21912), (674, 22008), (675, 22011), (677, 22017), (701, 22086), (708, 22104), (710, 22113), (720, 22143), (779, 22239), (795, 22272), (802, 22287), (810, 22317), (845, 22428), (865, 22485), (907, 22596),

Gene: WillSterrel_17 Start: 16164, Stop: 17873, Start Num: 132

Candidate Starts for WillSterrel_17:

(Start: 132 @16164 has 199 MA's), (198, 16251), (Start: 228 @16296 has 2 MA's), (237, 16320), (277, 16425), (282, 16431), (290, 16449), (301, 16479), (349, 16584), (383, 16644), (398, 16665), (404, 16674), (415, 16698), (425, 16734), (427, 16740), (438, 16773), (439, 16776), (442, 16785), (459, 16800), (467, 16806), (481, 16824), (486, 16839), (488, 16845), (493, 16863), (494, 16866), (501, 16881), (509, 16896), (510, 16902), (523, 16950), (530, 16962), (531, 16968), (586, 17028), (590,

17040), (606, 17076), (612, 17088), (644, 17163), (647, 17172), (656, 17190), (659, 17196), (671, 17226), (755, 17331), (764, 17343), (785, 17379), (813, 17457), (851, 17577), (862, 17610), (877, 17640), (880, 17652), (886, 17670), (888, 17676), (889, 17679), (891, 17685), (905, 17700), (906, 17703), (914, 17724), (916, 17727), (940, 17769), (947, 17799), (959, 17841), (960, 17847),

Gene: Willez_23 Start: 19334, Stop: 20929, Start Num: 197

Candidate Starts for Willez_23:

(Start: 137 @19250 has 84 MA's), (Start: 197 @19334 has 47 MA's), (Start: 239 @19412 has 1 MA's), (272, 19499), (282, 19514), (301, 19562), (315, 19601), (363, 19688), (380, 19721), (404, 19757), (417, 19787), (418, 19793), (441, 19862), (483, 19892), (487, 19904), (488, 19907), (510, 19964), (587, 20096), (589, 20102), (617, 20168), (620, 20174), (626, 20198), (647, 20246), (659, 20270), (665, 20279), (695, 20354), (761, 20405), (772, 20420), (833, 20582), (841, 20609), (851, 20639), (890, 20744), (938, 20822), (947, 20858), (950, 20867), (959, 20900), (965, 20915),

Gene: William_19 Start: 16689, Stop: 18338, Start Num: 220

Candidate Starts for William_19:

(4, 15642), (6, 15687), (7, 15711), (8, 15717), (9, 15825), (10, 15873), (16, 15945), (22, 16020), (41, 16158), (44, 16188), (47, 16194), (64, 16326), (70, 16383), (74, 16392), (Start: 128 @16551 has 10 MA's), (196, 16653), (Start: 220 @16689 has 45 MA's), (261, 16794), (295, 16872), (318, 16932), (324, 16944), (327, 16947), (337, 16971), (375, 17046), (423, 17145), (428, 17160), (470, 17244), (482, 17256), (485, 17265), (486, 17268), (492, 17289), (510, 17331), (520, 17361), (620, 17544), (626, 17568), (658, 17619), (695, 17712), (700, 17724), (747, 17784), (810, 17919), (839, 18012), (841, 18018), (847, 18036), (865, 18087), (888, 18147), (890, 18153), (935, 18228),

Gene: WilliamBoone_48 Start: 28921, Stop: 30612, Start Num: 154

Candidate Starts for WilliamBoone_48:

(Start: 154 @28921 has 21 MA's), (Start: 193 @28981 has 1 MA's), (208, 29014), (229, 29047), (232, 29056), (261, 29137), (265, 29143), (295, 29215), (347, 29338), (351, 29344), (378, 29392), (415, 29455), (510, 29605), (511, 29611), (520, 29635), (600, 29764), (606, 29785), (650, 29905), (695, 30016), (755, 30058), (796, 30130), (810, 30169), (841, 30268), (845, 30280), (848, 30289), (880, 30373), (958, 30556),

Gene: Willsammy_19 Start: 16277, Stop: 18013, Start Num: 129

Candidate Starts for Willsammy_19:

(Start: 114 @16253 has 2 MA's), (Start: 129 @16277 has 45 MA's), (174, 16337), (185, 16358), (Start: 187 @16361 has 15 MA's), (250, 16481), (263, 16520), (279, 16553), (291, 16577), (341, 16697), (363, 16736), (365, 16742), (411, 16826), (415, 16832), (418, 16844), (425, 16868), (434, 16895), (441, 16913), (470, 16952), (481, 16958), (489, 16982), (510, 17036), (513, 17048), (517, 17057), (537, 17117), (595, 17195), (612, 17234), (622, 17267), (647, 17333), (654, 17348), (659, 17357), (669, 17381), (686, 17411), (691, 17423), (782, 17525), (788, 17537), (791, 17540), (794, 17546), (796, 17555), (830, 17663), (858, 17747), (898, 17846), (950, 17954), (965, 18002),

Gene: Winget_57 Start: 33735, Stop: 35471, Start Num: 118

Candidate Starts for Winget_57:

(Start: 113 @33726 has 2 MA's), (Start: 118 @33735 has 26 MA's), (180, 33825), (244, 33942), (256, 33978), (265, 33999), (277, 34026), (282, 34032), (295, 34062), (303, 34086), (328, 34137), (404, 34275), (408, 34281), (424, 34332), (425, 34335), (431, 34353), (481, 34404), (488, 34425), (489, 34428), (509, 34476), (510, 34482), (523, 34530), (527, 34536), (530, 34542), (575, 34602), (586, 34626), (587, 34629), (606, 34674), (613, 34689), (616, 34698), (620, 34707), (636, 34752), (647, 34770), (665, 34803), (764, 34941), (777, 34962), (806, 35028), (814, 35058), (830, 35112), (844, 35154), (851, 35175), (858, 35196), (862, 35208), (872, 35229), (891, 35283), (938, 35361), (947, 35397), (953, 35418), (960, 35445),

Gene: WinkNick_20 Start: 17322, Stop: 18902, Start Num: 268

Candidate Starts for WinkNick_20:

(217, 17205), (Start: 268 @17322 has 52 MA's), (418, 17580), (425, 17601), (443, 17655), (459, 17694), (482, 17751), (489, 17772), (582, 17943), (588, 17961), (601, 17985), (608, 18006), (628, 18048), (671, 18129), (705, 18219), (720, 18264), (745, 18321), (748, 18324), (779, 18378), (813, 18468), (913, 18747), (918, 18756), (932, 18786),

Gene: Winky_18 Start: 16989, Stop: 18722, Start Num: 165

Candidate Starts for Winky_18:

(Start: 165 @16989 has 28 MA's), (205, 17058), (274, 17199), (276, 17202), (306, 17247), (326, 17280), (329, 17289), (350, 17325), (379, 17379), (397, 17406), (405, 17418), (423, 17469), (425, 17475), (436, 17508), (500, 17661), (510, 17685), (512, 17694), (527, 17739), (533, 17754), (583, 17832), (626, 17952), (657, 18015), (691, 18087), (703, 18123), (783, 18243), (787, 18249), (794, 18261), (826, 18324), (854, 18411), (862, 18438), (890, 18507), (897, 18522), (905, 18534), (912, 18558), (944, 18636),

Gene: Wintermute_24 Start: 18622, Stop: 20409, Start Num: 145

Candidate Starts for Wintermute_24:

(Start: 121 @18583 has 1 MA's), (Start: 138 @18613 has 25 MA's), (Start: 143 @18619 has 53 MA's), (Start: 145 @18622 has 749 MA's), (Start: 168 @18637 has 2 MA's), (Start: 193 @18679 has 1 MA's), (222, 18727), (Start: 239 @18766 has 1 MA's), (244, 18781), (251, 18799), (261, 18832), (276, 18862), (298, 18907), (304, 18925), (338, 18997), (341, 19003), (357, 19033), (359, 19036), (395, 19099), (404, 19111), (456, 19246), (464, 19264), (486, 19294), (488, 19300), (493, 19318), (508, 19348), (520, 19387), (586, 19513), (613, 19576), (693, 19777), (710, 19831), (754, 19876), (781, 19921), (797, 19945), (808, 19978), (820, 20011), (841, 20083), (845, 20095), (862, 20146), (865, 20152), (914, 20254), (960, 20380), (971, 20401),

Gene: Wishmaker_22 Start: 17406, Stop: 19148, Start Num: 143

Candidate Starts for Wishmaker_22:

(Start: 143 @17406 has 53 MA's), (Start: 150 @17415 has 25 MA's), (178, 17457), (210, 17508), (226, 17532), (231, 17544), (Start: 239 @17565 has 1 MA's), (244, 17580), (251, 17598), (263, 17631), (273, 17658), (304, 17730), (345, 17820), (393, 17904), (400, 17913), (410, 17934), (432, 18000), (442, 18027), (462, 18060), (482, 18078), (489, 18099), (493, 18114), (494, 18117), (520, 18183), (521, 18186), (542, 18252), (553, 18264), (564, 18273), (575, 18276), (613, 18363), (631, 18417), (660, 18462), (665, 18468), (692, 18540), (701, 18570), (710, 18597), (750, 18633), (754, 18642), (808, 18720), (855, 18864), (860, 18882), (865, 18894), (873, 18909), (875, 18912), (882, 18933), (886, 18945), (914, 18993), (934, 19026), (956, 19101), (960, 19119), (971, 19140),

Gene: Wisp_18 Start: 16363, Stop: 18009, Start Num: 220

Candidate Starts for Wisp_18:

(196, 16327), (Start: 220 @16363 has 45 MA's), (261, 16465), (295, 16543), (296, 16546), (337, 16642), (355, 16681), (390, 16741), (404, 16762), (423, 16816), (428, 16831), (510, 17002), (520, 17032), (620, 17215), (626, 17239), (658, 17290), (695, 17383), (700, 17395), (738, 17440), (747, 17455), (809, 17587), (810, 17590), (841, 17689), (847, 17707), (865, 17758), (890, 17824), (927, 17887), (935, 17899),

Gene: Wizard_31 Start: 25993, Stop: 27759, Start Num: 107

Candidate Starts for Wizard_31:

(90, 25951), (Start: 107 @25993 has 72 MA's), (Start: 126 @26029 has 1 MA's), (Start: 150 @26062 has 25 MA's), (263, 26272), (265, 26275), (303, 26305), (333, 26371), (349, 26395), (356, 26404), (375, 26437), (443, 26590), (463, 26629), (487, 26680), (491, 26692), (495, 26710), (501, 26722), (506, 26734), (510, 26749), (520, 26779), (521, 26782), (527, 26803), (583, 26875), (602, 26923), (649, 27034), (669, 27067), (686, 27106), (687, 27109), (710, 27181), (753, 27247), (759, 27259),

(845, 27430), (846, 27433), (862, 27481), (875, 27508), (884, 27535), (905, 27589), (951, 27706), (957, 27727), (966, 27754),

Gene: Wizard007_27 Start: 19829, Stop: 21607, Start Num: 145

Candidate Starts for Wizard007_27:

(Start: 128 @19805 has 10 MA's), (Start: 145 @19829 has 749 MA's), (Start: 191 @19886 has 1 MA's), (Start: 220 @19940 has 45 MA's), (233, 19955), (240, 19973), (297, 20057), (303, 20069), (304, 20072), (349, 20147), (361, 20162), (381, 20201), (434, 20318), (470, 20405), (504, 20486), (521, 20534), (528, 20558), (560, 20645), (587, 20690), (617, 20762), (623, 20783), (629, 20801), (675, 20882), (708, 20975), (710, 20984), (717, 21008), (720, 21014), (731, 21038), (779, 21092), (791, 21113), (808, 21164), (815, 21188), (833, 21242), (865, 21338), (905, 21443), (909, 21458), (954, 21566), (959, 21584),

Gene: Wocket_20 Start: 16837, Stop: 18483, Start Num: 220

Candidate Starts for Wocket_20:

(196, 16801), (Start: 220 @16837 has 45 MA's), (261, 16939), (295, 17017), (337, 17116), (355, 17155), (381, 17200), (404, 17236), (423, 17290), (428, 17305), (439, 17338), (470, 17389), (510, 17476), (520, 17506), (620, 17689), (626, 17713), (695, 17857), (700, 17869), (747, 17929), (809, 18061), (810, 18064), (841, 18163), (847, 18181), (865, 18232), (888, 18292), (890, 18298), (927, 18361), (935, 18373),

Gene: Wooldri_31 Start: 20290, Stop: 22086, Start Num: 145

Candidate Starts for Wooldri_31:

(Start: 145 @20290 has 749 MA's), (Start: 191 @20347 has 1 MA's), (199, 20362), (216, 20395), (233, 20416), (Start: 239 @20431 has 1 MA's), (297, 20518), (303, 20530), (304, 20533), (349, 20608), (361, 20623), (379, 20659), (470, 20866), (516, 20980), (528, 21019), (560, 21106), (616, 21220), (623, 21244), (629, 21262), (675, 21343), (701, 21418), (708, 21436), (717, 21469), (720, 21475), (739, 21514), (777, 21568), (779, 21571), (791, 21592), (810, 21649), (865, 21817), (905, 21922), (907, 21928), (959, 22063),

Gene: Wrigley_20 Start: 17427, Stop: 19133, Start Num: 145

Candidate Starts for Wrigley_20:

(Start: 129 @17403 has 45 MA's), (Start: 145 @17427 has 749 MA's), (216, 17532), (242, 17574), (285, 17649), (349, 17763), (423, 17910), (425, 17916), (500, 18099), (525, 18174), (674, 18456), (681, 18477), (708, 18552), (759, 18639), (787, 18675), (802, 18708), (804, 18714), (835, 18780), (845, 18810), (905, 18966), (907, 18972), (912, 18990), (957, 19101),

Gene: WunderPhul_31 Start: 19971, Stop: 21743, Start Num: 145

Candidate Starts for WunderPhul_31:

(103, 19905), (Start: 128 @19947 has 10 MA's), (Start: 145 @19971 has 749 MA's), (304, 20208), (347, 20280), (349, 20283), (361, 20298), (381, 20337), (385, 20343), (434, 20454), (436, 20460), (448, 20499), (470, 20541), (488, 20580), (504, 20622), (507, 20625), (560, 20781), (624, 20922), (629, 20937), (720, 21150), (791, 21249), (802, 21276), (817, 21327), (821, 21336), (832, 21375), (833, 21378), (865, 21474), (905, 21579), (907, 21585), (959, 21720),

Gene: Wyatt2_18 Start: 16746, Stop: 18515, Start Num: 130

Candidate Starts for Wyatt2_18:

(Start: 98 @16683 has 1 MA's), (106, 16704), (Start: 114 @16719 has 2 MA's), (Start: 130 @16746 has 38 MA's), (194, 16839), (Start: 220 @16887 has 45 MA's), (225, 16893), (245, 16920), (246, 16923), (248, 16929), (274, 17001), (281, 17010), (301, 17034), (306, 17049), (323, 17079), (397, 17205), (403, 17214), (413, 17235), (418, 17250), (440, 17319), (451, 17355), (467, 17376), (494, 17445), (510, 17484), (583, 17622), (587, 17634), (616, 17709), (619, 17715), (623, 17733), (638, 17772), (657, 17805), (661, 17814), (669, 17823), (674, 17832), (675, 17835), (716, 17955), (732,

17991), (787, 18039), (794, 18051), (824, 18105), (854, 18201), (859, 18219), (861, 18225), (862, 18228), (879, 18261), (886, 18285), (912, 18348), (932, 18390), (944, 18429), (950, 18447), (956, 18468), (961, 18489),

Gene: XFactor_16 Start: 14812, Stop: 16521, Start Num: 132

Candidate Starts for XFactor_16:

(Start: 132 @14812 has 199 MA's), (198, 14899), (Start: 228 @14944 has 2 MA's), (237, 14968), (277, 15073), (282, 15079), (290, 15097), (301, 15127), (349, 15232), (383, 15292), (398, 15313), (404, 15322), (415, 15346), (481, 15472), (486, 15487), (488, 15493), (501, 15529), (503, 15532), (509, 15544), (510, 15550), (523, 15598), (530, 15610), (531, 15616), (586, 15676), (590, 15688), (606, 15724), (612, 15736), (644, 15811), (647, 15820), (656, 15838), (659, 15844), (671, 15874), (755, 15979), (764, 15991), (785, 16027), (813, 16105), (844, 16204), (851, 16225), (862, 16258), (877, 16288), (886, 16318), (889, 16327), (891, 16333), (905, 16348), (906, 16351), (916, 16375), (935, 16405), (940, 16417), (947, 16447), (959, 16489),

Gene: Xandras_26 Start: 19820, Stop: 21415, Start Num: 197

Candidate Starts for Xandras_26:

(Start: 137 @19736 has 84 MA's), (Start: 197 @19820 has 47 MA's), (Start: 239 @19898 has 1 MA's), (272, 19985), (282, 20000), (301, 20048), (315, 20087), (363, 20174), (380, 20207), (404, 20243), (417, 20273), (418, 20279), (441, 20348), (483, 20378), (487, 20390), (488, 20393), (510, 20450), (587, 20582), (589, 20588), (617, 20654), (620, 20660), (626, 20684), (647, 20732), (659, 20756), (665, 20765), (695, 20840), (761, 20891), (772, 20906), (833, 21068), (841, 21095), (851, 21125), (890, 21230), (938, 21308), (947, 21344), (950, 21353), (959, 21386), (965, 21401),

Gene: Xavia_19 Start: 16389, Stop: 18125, Start Num: 129

Candidate Starts for Xavia_19:

(Start: 114 @16365 has 2 MA's), (Start: 129 @16389 has 45 MA's), (174, 16449), (185, 16470), (Start: 187 @16473 has 15 MA's), (247, 16587), (250, 16593), (263, 16632), (279, 16665), (291, 16689), (341, 16809), (363, 16848), (365, 16854), (411, 16938), (415, 16944), (418, 16956), (425, 16980), (441, 17025), (470, 17064), (481, 17070), (489, 17094), (510, 17148), (513, 17160), (517, 17169), (537, 17229), (595, 17307), (612, 17346), (622, 17379), (647, 17445), (654, 17460), (659, 17469), (669, 17493), (686, 17523), (691, 17535), (782, 17637), (788, 17649), (791, 17652), (794, 17658), (796, 17667), (830, 17775), (858, 17859), (898, 17958), (950, 18066), (965, 18114),

Gene: Xena_27 Start: 19823, Stop: 21622, Start Num: 145

Candidate Starts for Xena_27:

(Start: 128 @19799 has 10 MA's), (Start: 145 @19823 has 749 MA's), (Start: 150 @19829 has 25 MA's), (Start: 191 @19883 has 1 MA's), (233, 19952), (261, 20030), (297, 20054), (304, 20069), (328, 20105), (349, 20144), (361, 20159), (381, 20198), (426, 20291), (434, 20315), (470, 20402), (516, 20516), (528, 20555), (560, 20642), (587, 20687), (616, 20756), (623, 20780), (627, 20792), (675, 20879), (701, 20954), (708, 20972), (710, 20981), (717, 21005), (720, 21011), (729, 21026), (749, 21059), (777, 21104), (779, 21107), (791, 21128), (865, 21353), (894, 21431), (905, 21458), (907, 21464), (959, 21599),

Gene: Xeno_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Xeno_18:

(Start: 134 @14986 has 40 MA's), (161, 15013), (Start: 228 @15118 has 2 MA's), (232, 15130), (245, 15166), (263, 15217), (277, 15247), (282, 15253), (294, 15280), (296, 15286), (349, 15406), (379, 15460), (383, 15466), (395, 15484), (404, 15496), (406, 15499), (415, 15520), (427, 15562), (438, 15595), (481, 15646), (486, 15661), (501, 15703), (509, 15718), (510, 15724), (523, 15772), (535, 15796), (554, 15826), (586, 15850), (612, 15910), (616, 15922), (636, 15976), (644, 15985), (670, 16045), (671, 16048), (755, 16153), (761, 16162), (785, 16201), (832, 16339), (885, 16489), (886, 16492), (889, 16501), (905, 16522), (916, 16549), (938, 16585), (965, 16678),

Gene: Xerxes_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Xerxes_18:

(Start: 134 @14986 has 40 MA's), (161, 15013), (Start: 228 @15118 has 2 MA's), (232, 15130), (245, 15166), (263, 15217), (277, 15247), (282, 15253), (294, 15280), (296, 15286), (349, 15406), (379, 15460), (383, 15466), (395, 15484), (404, 15496), (406, 15499), (415, 15520), (427, 15562), (438, 15595), (481, 15646), (486, 15661), (501, 15703), (509, 15718), (510, 15724), (523, 15772), (535, 15796), (554, 15826), (586, 15850), (612, 15910), (616, 15922), (636, 15976), (644, 15985), (670, 16045), (671, 16048), (755, 16153), (761, 16162), (785, 16201), (832, 16339), (885, 16489), (886, 16492), (889, 16501), (905, 16522), (916, 16549), (938, 16585), (965, 16678),

Gene: XianYue_28 Start: 20112, Stop: 21908, Start Num: 128

Candidate Starts for XianYue_28:

(103, 20070), (Start: 128 @20112 has 10 MA's), (Start: 145 @20136 has 749 MA's), (216, 20235), (246, 20289), (303, 20370), (304, 20373), (347, 20445), (349, 20448), (381, 20502), (415, 20559), (423, 20586), (470, 20706), (504, 20787), (507, 20790), (516, 20820), (560, 20946), (617, 21063), (674, 21180), (675, 21183), (720, 21315), (795, 21426), (802, 21441), (804, 21447), (821, 21501), (832, 21540), (836, 21555), (847, 21588), (894, 21717), (905, 21744), (907, 21750), (912, 21768), (935, 21804),

Gene: Ximenita_23 Start: 16499, Stop: 18265, Start Num: 145

Candidate Starts for Ximenita_23:

(Start: 138 @16490 has 25 MA's), (Start: 145 @16499 has 749 MA's), (Start: 170 @16529 has 1 MA's), (Start: 239 @16655 has 1 MA's), (244, 16670), (251, 16688), (261, 16721), (276, 16751), (298, 16796), (338, 16886), (357, 16922), (404, 17000), (409, 17009), (443, 17114), (444, 17117), (486, 17183), (488, 17189), (504, 17231), (508, 17237), (593, 17420), (619, 17480), (647, 17537), (669, 17582), (675, 17594), (693, 17642), (754, 17741), (797, 17801), (809, 17837), (823, 17876), (845, 17951), (862, 18002), (865, 18008), (960, 18236), (961, 18239), (971, 18257),

Gene: Xula_18 Start: 16123, Stop: 17856, Start Num: 139

Candidate Starts for Xula_18:

(Start: 139 @16123 has 6 MA's), (208, 16222), (214, 16231), (245, 16297), (254, 16321), (279, 16381), (282, 16384), (294, 16411), (379, 16591), (395, 16615), (404, 16627), (415, 16651), (481, 16777), (486, 16792), (489, 16801), (503, 16837), (510, 16855), (636, 17107), (644, 17116), (659, 17149), (761, 17293), (788, 17338), (824, 17440), (826, 17449), (830, 17467), (832, 17470), (865, 17569), (886, 17629), (892, 17647), (905, 17683), (909, 17698), (938, 17746), (957, 17815),

Gene: Y10_24 Start: 18637, Stop: 20409, Start Num: 168

Candidate Starts for Y10_24:

(Start: 121 @18583 has 1 MA's), (Start: 138 @18613 has 25 MA's), (Start: 143 @18619 has 53 MA's), (Start: 145 @18622 has 749 MA's), (Start: 168 @18637 has 2 MA's), (Start: 193 @18679 has 1 MA's), (222, 18727), (Start: 239 @18766 has 1 MA's), (244, 18781), (251, 18799), (261, 18832), (276, 18862), (298, 18907), (304, 18925), (338, 18997), (341, 19003), (357, 19033), (359, 19036), (395, 19099), (404, 19111), (456, 19246), (464, 19264), (486, 19294), (488, 19300), (493, 19318), (508, 19348), (520, 19387), (586, 19513), (613, 19576), (693, 19777), (710, 19831), (754, 19876), (781, 19921), (797, 19945), (808, 19978), (820, 20011), (841, 20083), (845, 20095), (862, 20146), (865, 20152), (914, 20254), (960, 20380), (971, 20401),

Gene: Y2_24 Start: 18637, Stop: 20409, Start Num: 168

Candidate Starts for Y2_24:

(Start: 121 @18583 has 1 MA's), (Start: 138 @18613 has 25 MA's), (Start: 143 @18619 has 53 MA's), (Start: 145 @18622 has 749 MA's), (Start: 168 @18637 has 2 MA's), (Start: 193 @18679 has 1 MA's), (222, 18727), (Start: 239 @18766 has 1 MA's), (244, 18781), (251, 18799), (261, 18832), (276,

18862), (298, 18907), (304, 18925), (338, 18997), (341, 19003), (357, 19033), (359, 19036), (395, 19099), (404, 19111), (456, 19246), (464, 19264), (486, 19294), (488, 19300), (493, 19318), (508, 19348), (520, 19387), (586, 19513), (613, 19576), (693, 19777), (710, 19831), (754, 19876), (781, 19921), (797, 19945), (808, 19978), (820, 20011), (841, 20083), (845, 20095), (862, 20146), (865, 20152), (914, 20254), (960, 20380), (971, 20401),

Gene: Yakult_19 Start: 15320, Stop: 17008, Start Num: 145

Candidate Starts for Yakult_19:

(Start: 121 @15290 has 1 MA's), (Start: 135 @15317 has 8 MA's), (Start: 145 @15320 has 749 MA's), (205, 15404), (263, 15527), (303, 15560), (344, 15638), (407, 15743), (415, 15761), (423, 15788), (433, 15818), (442, 15845), (463, 15890), (481, 15920), (485, 15932), (487, 15938), (488, 15941), (493, 15959), (516, 16025), (541, 16106), (582, 16142), (584, 16148), (587, 16157), (594, 16175), (614, 16220), (648, 16304), (671, 16340), (674, 16343), (675, 16346), (680, 16361), (686, 16370), (689, 16379), (708, 16436), (796, 16565), (802, 16577), (806, 16592), (818, 16604), (844, 16676), (845, 16679), (846, 16682), (857, 16715), (869, 16745), (881, 16778), (893, 16814), (894, 16817), (907, 16847), (909, 16856), (956, 16973), (965, 17000),

Gene: Yarn_17 Start: 15391, Stop: 17088, Start Num: 145

Candidate Starts for Yarn_17:

(Start: 135 @15388 has 8 MA's), (Start: 145 @15391 has 749 MA's), (213, 15493), (Start: 220 @15505 has 45 MA's), (263, 15601), (328, 15685), (379, 15775), (415, 15835), (423, 15862), (433, 15892), (434, 15895), (463, 15964), (481, 15997), (485, 16009), (486, 16012), (492, 16033), (493, 16036), (516, 16102), (520, 16114), (606, 16279), (675, 16429), (680, 16444), (689, 16462), (708, 16519), (802, 16660), (804, 16666), (807, 16678), (818, 16687), (844, 16759), (845, 16762), (847, 16768), (851, 16780), (890, 16885), (893, 16894), (907, 16927),

Gene: YassJohnny_25 Start: 20345, Stop: 21940, Start Num: 197

Candidate Starts for YassJohnny_25:

(Start: 137 @20261 has 84 MA's), (Start: 197 @20345 has 47 MA's), (Start: 239 @20423 has 1 MA's), (272, 20510), (282, 20525), (301, 20573), (315, 20612), (363, 20699), (380, 20732), (404, 20768), (417, 20798), (418, 20804), (441, 20873), (483, 20903), (487, 20915), (488, 20918), (510, 20975), (587, 21107), (589, 21113), (617, 21179), (620, 21185), (626, 21209), (647, 21257), (659, 21281), (665, 21290), (695, 21365), (761, 21416), (772, 21431), (833, 21593), (841, 21620), (851, 21650), (890, 21755), (938, 21833), (947, 21869), (950, 21878), (959, 21911), (965, 21926),

Gene: Yecey3_29 Start: 19844, Stop: 21634, Start Num: 145

Candidate Starts for Yecey3_29:

(Start: 143 @19841 has 53 MA's), (Start: 145 @19844 has 749 MA's), (216, 19943), (261, 20042), (304, 20081), (347, 20153), (349, 20156), (381, 20210), (385, 20216), (415, 20267), (423, 20294), (434, 20327), (470, 20414), (504, 20495), (507, 20498), (523, 20558), (562, 20660), (609, 20747), (617, 20771), (629, 20810), (675, 20891), (680, 20906), (749, 21071), (753, 21080), (779, 21119), (802, 21167), (808, 21191), (821, 21227), (832, 21266), (833, 21269), (836, 21281), (847, 21314), (865, 21365), (890, 21431), (905, 21470), (907, 21476),

Gene: Yeet412_17 Start: 14751, Stop: 16460, Start Num: 269

Candidate Starts for Yeet412_17:

(208, 14616), (Start: 269 @14751 has 31 MA's), (359, 14940), (361, 14943), (405, 15018), (429, 15072), (452, 15141), (459, 15153), (489, 15231), (490, 15234), (532, 15366), (547, 15420), (567, 15471), (581, 15501), (605, 15561), (610, 15573), (628, 15609), (688, 15726), (694, 15744), (707, 15783), (745, 15879), (803, 15987), (893, 16263), (894, 16266), (918, 16314), (932, 16344),

Gene: Yeezy_20 Start: 17119, Stop: 18717, Start Num: 268

Candidate Starts for Yeezy_20:

(Start: 268 @17119 has 52 MA's), (418, 17377), (424, 17395), (425, 17398), (443, 17452), (472, 17527), (496, 17596), (499, 17605), (505, 17617), (509, 17629), (521, 17668), (529, 17695), (532, 17704), (534, 17707), (582, 17740), (605, 17797), (628, 17863), (683, 17974), (705, 18034), (745, 18136), (779, 18193), (813, 18283), (894, 18523), (932, 18601),

Gene: Yndexa_43 Start: 29457, Stop: 31073, Start Num: 260

Candidate Starts for Yndexa_43:

(Start: 260 @29457 has 35 MA's), (Start: 266 @29466 has 1 MA's), (Start: 268 @29469 has 52 MA's), (Start: 288 @29493 has 1 MA's), (322, 29571), (424, 29754), (443, 29811), (447, 29823), (452, 29838), (484, 29904), (489, 29919), (497, 29943), (527, 30030), (530, 30036), (538, 30060), (572, 30120), (586, 30150), (594, 30171), (633, 30276), (643, 30297), (688, 30384), (704, 30432), (756, 30558), (780, 30594), (844, 30759), (850, 30777), (862, 30813), (943, 30987), (947, 30999), (964, 31056),

Gene: YoSam321_27 Start: 19824, Stop: 21602, Start Num: 145

Candidate Starts for YoSam321_27:

(Start: 128 @19800 has 10 MA's), (Start: 145 @19824 has 749 MA's), (Start: 191 @19881 has 1 MA's), (Start: 220 @19935 has 45 MA's), (233, 19950), (240, 19968), (297, 20052), (303, 20064), (304, 20067), (349, 20142), (361, 20157), (381, 20196), (434, 20313), (470, 20400), (504, 20481), (521, 20529), (528, 20553), (560, 20640), (587, 20685), (617, 20757), (623, 20778), (629, 20796), (675, 20877), (708, 20970), (710, 20979), (717, 21003), (720, 21009), (731, 21033), (779, 21087), (791, 21108), (808, 21159), (815, 21183), (833, 21237), (865, 21333), (905, 21438), (909, 21453), (954, 21561), (959, 21579),

Gene: Yogi_23 Start: 16323, Stop: 17948, Start Num: 173

Candidate Starts for Yogi_23:

(Start: 162 @16308 has 3 MA's), (Start: 173 @16323 has 32 MA's), (210, 16392), (236, 16428), (349, 16614), (421, 16743), (434, 16785), (443, 16812), (450, 16836), (463, 16854), (481, 16884), (486, 16899), (507, 16950), (535, 17034), (609, 17151), (617, 17175), (674, 17289), (692, 17337), (701, 17367), (713, 17406), (717, 17418), (757, 17448), (802, 17526), (860, 17673), (870, 17697), (884, 17733), (900, 17772), (965, 17940),

Gene: Yokurt_31 Start: 19971, Stop: 21743, Start Num: 145

Candidate Starts for Yokurt_31:

(103, 19905), (Start: 128 @19947 has 10 MA's), (Start: 145 @19971 has 749 MA's), (304, 20208), (347, 20280), (349, 20283), (361, 20298), (381, 20337), (385, 20343), (434, 20454), (436, 20460), (448, 20499), (470, 20541), (488, 20580), (504, 20622), (507, 20625), (560, 20781), (624, 20922), (629, 20937), (720, 21150), (791, 21249), (802, 21276), (817, 21327), (821, 21336), (832, 21375), (836, 21390), (865, 21474), (905, 21579), (907, 21585), (959, 21720),

Gene: Yoncess_23 Start: 16323, Stop: 17948, Start Num: 173

Candidate Starts for Yoncess_23:

(Start: 162 @16308 has 3 MA's), (Start: 173 @16323 has 32 MA's), (198, 16365), (210, 16392), (236, 16428), (349, 16614), (421, 16743), (434, 16785), (443, 16812), (450, 16836), (463, 16854), (481, 16884), (486, 16899), (507, 16950), (535, 17034), (609, 17151), (617, 17175), (674, 17289), (692, 17337), (701, 17367), (713, 17406), (717, 17418), (757, 17448), (802, 17526), (860, 17673), (870, 17697), (884, 17733), (900, 17772), (965, 17940),

Gene: Yorick_16 Start: 14811, Stop: 16520, Start Num: 132

Candidate Starts for Yorick_16:

(Start: 132 @14811 has 199 MA's), (198, 14898), (Start: 228 @14943 has 2 MA's), (237, 14967), (277, 15072), (282, 15078), (290, 15096), (301, 15126), (349, 15231), (379, 15285), (383, 15291), (389, 15300), (404, 15321), (415, 15345), (425, 15381), (427, 15387), (438, 15420), (439, 15423), (442,

15432), (459, 15447), (467, 15453), (481, 15471), (486, 15486), (488, 15492), (493, 15510), (494, 15513), (501, 15528), (509, 15543), (510, 15549), (523, 15597), (530, 15609), (531, 15615), (586, 15675), (590, 15687), (606, 15723), (612, 15735), (644, 15810), (647, 15819), (656, 15837), (659, 15843), (671, 15873), (755, 15978), (764, 15990), (785, 16026), (813, 16104), (851, 16224), (862, 16257), (877, 16287), (880, 16299), (886, 16317), (888, 16323), (889, 16326), (891, 16332), (905, 16347), (906, 16350), (914, 16371), (916, 16374), (940, 16416), (947, 16446), (959, 16488), (960, 16494),

Gene: YorkOnyx_35 Start: 29872, Stop: 31635, Start Num: 107

Candidate Starts for YorkOnyx_35:

(Start: 107 @29872 has 72 MA's), (Start: 126 @29908 has 1 MA's), (210, 30037), (216, 30046), (235, 30070), (259, 30142), (265, 30151), (319, 30220), (349, 30271), (356, 30280), (376, 30316), (385, 30331), (397, 30349), (425, 30412), (440, 30457), (443, 30466), (495, 30586), (503, 30601), (506, 30610), (510, 30625), (520, 30655), (629, 30877), (644, 30895), (649, 30910), (674, 30952), (675, 30955), (686, 30982), (732, 31102), (798, 31195), (845, 31306), (846, 31309), (862, 31357), (875, 31384), (884, 31411), (905, 31465),

Gene: Yoshi_19 Start: 13743, Stop: 15407, Start Num: 150

Candidate Starts for Yoshi_19:

(Start: 150 @13743 has 25 MA's), (204, 13824), (Start: 220 @13854 has 45 MA's), (236, 13875), (240, 13887), (265, 13953), (306, 13992), (310, 14004), (323, 14028), (358, 14085), (360, 14088), (373, 14112), (376, 14118), (377, 14121), (407, 14166), (415, 14184), (426, 14220), (470, 14331), (488, 14367), (495, 14394), (501, 14406), (503, 14409), (516, 14451), (520, 14463), (527, 14487), (574, 14541), (616, 14640), (658, 14733), (675, 14760), (679, 14772), (700, 14817), (708, 14838), (710, 14847), (845, 15081), (846, 15084), (847, 15087), (890, 15204), (907, 15246), (943, 15330), (961, 15393),

Gene: Youngblood_24 Start: 19998, Stop: 21593, Start Num: 197

Candidate Starts for Youngblood_24:

(Start: 137 @19914 has 84 MA's), (Start: 197 @19998 has 47 MA's), (Start: 239 @20076 has 1 MA's), (272, 20163), (282, 20178), (301, 20226), (315, 20265), (363, 20352), (380, 20385), (404, 20421), (417, 20451), (418, 20457), (441, 20526), (483, 20556), (487, 20568), (488, 20571), (510, 20628), (587, 20760), (589, 20766), (617, 20832), (620, 20838), (626, 20862), (647, 20910), (659, 20934), (665, 20943), (695, 21018), (761, 21069), (772, 21084), (833, 21246), (841, 21273), (851, 21303), (890, 21408), (938, 21486), (947, 21522), (950, 21531), (959, 21564), (965, 21579),

Gene: YoureAdopted_22 Start: 17124, Stop: 18890, Start Num: 145

Candidate Starts for YoureAdopted_22:

(Start: 145 @17124 has 749 MA's), (Start: 170 @17154 has 1 MA's), (251, 17313), (261, 17346), (276, 17376), (291, 17409), (298, 17421), (338, 17511), (361, 17553), (404, 17625), (409, 17634), (422, 17673), (436, 17718), (443, 17739), (444, 17742), (482, 17796), (488, 17814), (504, 17856), (508, 17862), (516, 17889), (586, 18027), (593, 18045), (612, 18087), (619, 18105), (628, 18135), (647, 18162), (693, 18267), (797, 18426), (809, 18462), (820, 18492), (823, 18501), (845, 18576), (862, 18627), (950, 18822), (960, 18861), (961, 18864), (971, 18882),

Gene: Yummy_19 Start: 15276, Stop: 16973, Start Num: 145

Candidate Starts for Yummy_19:

(Start: 121 @15246 has 1 MA's), (Start: 135 @15273 has 8 MA's), (Start: 145 @15276 has 749 MA's), (263, 15486), (376, 15654), (379, 15660), (430, 15768), (442, 15804), (451, 15834), (463, 15849), (481, 15882), (485, 15894), (495, 15930), (516, 15987), (520, 15999), (587, 16119), (596, 16140), (606, 16164), (675, 16314), (680, 16329), (689, 16347), (708, 16404), (796, 16533), (802, 16545), (807, 16563), (818, 16572), (844, 16644), (845, 16647), (847, 16653), (851, 16665), (890, 16770), (893, 16779), (907, 16812), (956, 16938),

Gene: Yuna_24 Start: 16985, Stop: 18808, Start Num: 109

Candidate Starts for Yuna_24:

(Start: 109 @16985 has 1 MA's), (127, 17015), (185, 17099), (Start: 239 @17198 has 1 MA's), (244, 17213), (251, 17231), (261, 17264), (298, 17339), (338, 17429), (357, 17465), (409, 17552), (422, 17591), (436, 17636), (444, 17660), (464, 17696), (465, 17699), (482, 17714), (488, 17732), (501, 17768), (508, 17780), (516, 17807), (593, 17963), (619, 18023), (669, 18125), (693, 18185), (742, 18260), (754, 18284), (797, 18344), (809, 18380), (814, 18398), (823, 18419), (845, 18494), (862, 18545), (865, 18551), (875, 18572), (960, 18779), (961, 18782), (971, 18800),

Gene: YungJamal_61 Start: 34927, Stop: 36663, Start Num: 118

Candidate Starts for YungJamal_61:

(Start: 113 @34918 has 2 MA's), (Start: 118 @34927 has 26 MA's), (180, 35017), (244, 35134), (256, 35170), (265, 35191), (277, 35218), (282, 35224), (295, 35254), (303, 35278), (328, 35329), (404, 35467), (408, 35473), (424, 35524), (425, 35527), (431, 35545), (481, 35596), (488, 35617), (489, 35620), (509, 35668), (510, 35674), (523, 35722), (527, 35728), (530, 35734), (575, 35794), (586, 35818), (587, 35821), (606, 35866), (613, 35881), (616, 35890), (620, 35899), (636, 35944), (647, 35962), (665, 35995), (764, 36133), (777, 36154), (806, 36220), (814, 36250), (830, 36304), (844, 36346), (851, 36367), (858, 36388), (862, 36400), (872, 36421), (891, 36475), (938, 36553), (947, 36589), (953, 36610), (960, 36637),

Gene: YungMoney_33 Start: 27341, Stop: 29107, Start Num: 107

Candidate Starts for YungMoney_33:

(90, 27299), (100, 27329), (Start: 107 @27341 has 72 MA's), (Start: 126 @27377 has 1 MA's), (Start: 150 @27410 has 25 MA's), (244, 27566), (245, 27569), (263, 27620), (265, 27623), (303, 27653), (319, 27692), (349, 27743), (356, 27752), (375, 27785), (443, 27938), (463, 27977), (487, 28028), (491, 28040), (495, 28058), (501, 28070), (506, 28082), (510, 28097), (520, 28127), (521, 28130), (527, 28151), (602, 28271), (649, 28382), (669, 28415), (687, 28457), (710, 28529), (753, 28595), (845, 28778), (846, 28781), (862, 28829), (875, 28856), (884, 28883), (905, 28937), (951, 29054), (957, 29075), (966, 29102),

Gene: Yunkel11_23 Start: 16380, Stop: 18146, Start Num: 145

Candidate Starts for Yunkel11_23:

(Start: 145 @16380 has 749 MA's), (Start: 150 @16386 has 25 MA's), (Start: 170 @16410 has 1 MA's), (251, 16569), (261, 16602), (276, 16632), (278, 16635), (291, 16665), (298, 16677), (338, 16767), (361, 16809), (404, 16881), (409, 16890), (422, 16929), (436, 16974), (443, 16995), (444, 16998), (488, 17070), (504, 17112), (508, 17118), (516, 17145), (586, 17283), (593, 17301), (612, 17343), (619, 17361), (628, 17391), (693, 17523), (750, 17613), (809, 17718), (820, 17748), (845, 17832), (862, 17883), (909, 17982), (950, 18078), (960, 18117), (961, 18120), (971, 18138),

Gene: Yvonnetastic_45 Start: 30515, Stop: 32209, Start Num: 149

Candidate Starts for Yvonnetastic_45:

(Start: 149 @30515 has 2 MA's), (Start: 193 @30581 has 1 MA's), (Start: 197 @30587 has 47 MA's), (229, 30644), (291, 30803), (296, 30815), (351, 30941), (378, 30989), (486, 31139), (507, 31190), (510, 31202), (511, 31208), (590, 31349), (600, 31364), (663, 31523), (703, 31631), (808, 31760), (810, 31766), (812, 31775), (833, 31838), (845, 31877), (848, 31886), (865, 31934), (893, 32009), (934, 32069), (948, 32117), (956, 32144), (958, 32153), (959, 32156),

Gene: ZAYM_19 Start: 16938, Stop: 18701, Start Num: 121

Candidate Starts for ZAYM_19:

(57, 16659), (84, 16854), (Start: 121 @16938 has 1 MA's), (Start: 126 @16950 has 1 MA's), (Start: 140 @16971 has 5 MA's), (296, 17208), (310, 17241), (425, 17454), (448, 17526), (469, 17568), (488, 17607), (495, 17634), (506, 17658), (519, 17700), (527, 17727), (528, 17730), (563, 17784), (574,

17790), (612, 17877), (734, 18168), (741, 18171), (796, 18261), (804, 18279), (845, 18375), (851, 18393), (894, 18510), (909, 18549), (910, 18552), (915, 18564), (948, 18639), (956, 18666),

Gene: Zabiza_24 Start: 17155, Stop: 18921, Start Num: 145

Candidate Starts for Zabiza_24:

(Start: 145 @17155 has 749 MA's), (Start: 170 @17185 has 1 MA's), (251, 17344), (261, 17377), (276, 17407), (291, 17440), (298, 17452), (338, 17542), (361, 17584), (404, 17656), (409, 17665), (422, 17704), (436, 17749), (443, 17770), (444, 17773), (482, 17827), (488, 17845), (504, 17887), (508, 17893), (516, 17920), (586, 18058), (593, 18076), (612, 18118), (619, 18136), (628, 18166), (647, 18193), (693, 18298), (797, 18457), (809, 18493), (820, 18523), (823, 18532), (845, 18607), (862, 18658), (909, 18757), (950, 18853), (960, 18892), (961, 18895), (971, 18913),

Gene: Zaka_31 Start: 19971, Stop: 21743, Start Num: 145

Candidate Starts for Zaka_31:

(103, 19905), (Start: 128 @19947 has 10 MA's), (Start: 145 @19971 has 749 MA's), (304, 20208), (347, 20280), (349, 20283), (361, 20298), (381, 20337), (385, 20343), (434, 20454), (436, 20460), (448, 20499), (470, 20541), (488, 20580), (504, 20622), (507, 20625), (560, 20781), (624, 20922), (629, 20937), (720, 21150), (791, 21249), (802, 21276), (817, 21327), (821, 21336), (832, 21375), (836, 21390), (865, 21474), (905, 21579), (907, 21585), (959, 21720),

Gene: Zakai_18 Start: 16983, Stop: 18716, Start Num: 165

Candidate Starts for Zakai_18:

(Start: 165 @16983 has 28 MA's), (205, 17052), (274, 17193), (276, 17196), (306, 17241), (326, 17274), (329, 17283), (350, 17319), (379, 17373), (397, 17400), (405, 17412), (423, 17463), (425, 17469), (436, 17502), (500, 17655), (510, 17679), (512, 17688), (527, 17733), (533, 17748), (583, 17826), (626, 17946), (657, 18009), (691, 18081), (703, 18117), (783, 18237), (787, 18243), (794, 18255), (826, 18318), (841, 18369), (854, 18405), (862, 18432), (890, 18501), (897, 18516), (905, 18528), (912, 18552), (944, 18630),

Gene: Zakhe101_56 Start: 33573, Stop: 35309, Start Num: 118

Candidate Starts for Zakhe101_56:

(Start: 113 @33564 has 2 MA's), (Start: 118 @33573 has 26 MA's), (180, 33663), (244, 33780), (256, 33816), (265, 33837), (277, 33864), (282, 33870), (295, 33900), (303, 33924), (328, 33975), (404, 34113), (408, 34119), (424, 34170), (425, 34173), (431, 34191), (481, 34242), (488, 34263), (489, 34266), (501, 34299), (509, 34314), (510, 34320), (523, 34368), (527, 34374), (530, 34380), (575, 34440), (586, 34464), (587, 34467), (606, 34512), (613, 34527), (616, 34536), (620, 34545), (636, 34590), (647, 34608), (665, 34641), (764, 34779), (777, 34800), (806, 34866), (814, 34896), (830, 34950), (844, 34992), (851, 35013), (858, 35034), (862, 35046), (872, 35067), (891, 35121), (938, 35199), (947, 35235), (953, 35256), (960, 35283),

Gene: Zameen_19 Start: 17773, Stop: 19371, Start Num: 268

Candidate Starts for Zameen_19:

(Start: 268 @17773 has 52 MA's), (414, 18022), (418, 18031), (424, 18049), (425, 18052), (443, 18106), (472, 18181), (496, 18250), (499, 18259), (505, 18271), (521, 18322), (529, 18349), (532, 18358), (534, 18361), (581, 18391), (582, 18394), (605, 18451), (628, 18517), (670, 18595), (683, 18628), (694, 18652), (705, 18688), (745, 18790), (779, 18847), (800, 18892), (803, 18898), (813, 18937), (894, 19177), (932, 19255),

Gene: Zapner_20 Start: 14268, Stop: 15932, Start Num: 150

Candidate Starts for Zapner_20:

(Start: 150 @14268 has 25 MA's), (204, 14349), (Start: 220 @14379 has 45 MA's), (236, 14400), (240, 14412), (265, 14478), (306, 14517), (310, 14529), (323, 14553), (358, 14610), (360, 14613), (373, 14637), (376, 14643), (377, 14646), (407, 14691), (415, 14709), (426, 14745), (470, 14856), (488,

14892), (495, 14919), (501, 14931), (503, 14934), (516, 14976), (520, 14988), (527, 15012), (574, 15066), (616, 15165), (658, 15258), (675, 15285), (679, 15297), (703, 15348), (708, 15363), (751, 15417), (773, 15444), (845, 15606), (846, 15609), (847, 15612), (890, 15729), (907, 15771), (943, 15855), (957, 15900), (961, 15918),

Gene: Zarbodnamra_19 Start: 16649, Stop: 18295, Start Num: 220

Candidate Starts for Zarbodnamra_19:

(196, 16613), (Start: 220 @16649 has 45 MA's), (261, 16751), (293, 16823), (295, 16829), (296, 16832), (337, 16928), (355, 16967), (390, 17027), (404, 17048), (423, 17102), (428, 17117), (510, 17288), (520, 17318), (620, 17501), (626, 17525), (658, 17576), (695, 17669), (700, 17681), (738, 17726), (747, 17741), (809, 17873), (810, 17876), (841, 17975), (847, 17993), (865, 18044), (888, 18104), (890, 18110), (927, 18173), (935, 18185),

Gene: Zareef_22 Start: 16723, Stop: 18405, Start Num: 156

Candidate Starts for Zareef_22:

(56, 16387), (Start: 145 @16711 has 749 MA's), (Start: 156 @16723 has 4 MA's), (310, 16975), (321, 16996), (323, 16999), (349, 17044), (360, 17059), (407, 17137), (423, 17182), (463, 17284), (481, 17317), (485, 17329), (486, 17332), (506, 17389), (516, 17422), (521, 17437), (541, 17503), (584, 17545), (587, 17554), (606, 17599), (628, 17662), (674, 17743), (680, 17761), (686, 17770), (689, 17779), (708, 17836), (710, 17845), (802, 17977), (818, 18004), (828, 18025), (844, 18076), (845, 18079), (881, 18175), (890, 18202), (893, 18211), (894, 18214), (907, 18244), (912, 18262), (939, 18307), (965, 18397),

Gene: Zaria_18 Start: 16760, Stop: 18529, Start Num: 130

Candidate Starts for Zaria_18:

(Start: 98 @16697 has 1 MA's), (106, 16718), (Start: 114 @16733 has 2 MA's), (Start: 130 @16760 has 38 MA's), (194, 16853), (Start: 220 @16901 has 45 MA's), (225, 16907), (245, 16934), (246, 16937), (248, 16943), (274, 17015), (281, 17024), (301, 17048), (306, 17063), (323, 17093), (397, 17219), (403, 17228), (413, 17249), (418, 17264), (440, 17333), (451, 17369), (467, 17390), (494, 17459), (510, 17498), (583, 17636), (587, 17648), (616, 17723), (619, 17729), (623, 17747), (638, 17786), (657, 17819), (661, 17828), (669, 17837), (674, 17846), (716, 17969), (732, 18005), (787, 18053), (794, 18065), (824, 18119), (854, 18215), (859, 18233), (861, 18239), (862, 18242), (879, 18275), (886, 18299), (912, 18362), (932, 18404), (944, 18443), (950, 18461), (956, 18482), (961, 18503),

Gene: Zavala_23 Start: 17129, Stop: 18895, Start Num: 145

Candidate Starts for Zavala_23:

(Start: 145 @17129 has 749 MA's), (Start: 170 @17159 has 1 MA's), (251, 17318), (261, 17351), (276, 17381), (291, 17414), (298, 17426), (338, 17516), (361, 17558), (404, 17630), (409, 17639), (422, 17678), (436, 17723), (443, 17744), (444, 17747), (482, 17801), (488, 17819), (504, 17861), (508, 17867), (516, 17894), (543, 17981), (586, 18032), (593, 18050), (612, 18092), (619, 18110), (628, 18140), (647, 18167), (693, 18272), (797, 18431), (809, 18467), (820, 18497), (823, 18506), (845, 18581), (862, 18632), (950, 18827), (960, 18866), (961, 18869), (971, 18887),

Gene: Zeeculate_27 Start: 21795, Stop: 23597, Start Num: 148

Candidate Starts for Zeeculate_27:

(Start: 148 @21795 has 202 MA's), (Start: 166 @21816 has 28 MA's), (Start: 191 @21858 has 1 MA's), (215, 21903), (349, 22119), (376, 22164), (381, 22173), (407, 22212), (425, 22263), (426, 22266), (507, 22461), (528, 22530), (616, 22731), (617, 22734), (623, 22755), (674, 22851), (675, 22854), (677, 22860), (701, 22929), (708, 22947), (710, 22956), (720, 22986), (779, 23082), (795, 23115), (802, 23130), (845, 23271), (865, 23328), (907, 23439),

Gene: Zelink_38 Start: 28415, Stop: 30413, Start Num: 133

Candidate Starts for Zelink_38:

(Start: 133 @28415 has 29 MA's), (Start: 197 @28505 has 47 MA's), (223, 28553), (237, 28583), (247, 28610), (291, 28712), (302, 28742), (345, 28841), (365, 28877), (367, 28883), (380, 28904), (418, 28976), (421, 28985), (427, 29006), (488, 29114), (489, 29117), (493, 29132), (510, 29171), (523, 29219), (530, 29231), (531, 29237), (579, 29294), (587, 29315), (595, 29333), (615, 29381), (656, 29483), (691, 29555), (706, 29600), (709, 29612), (726, 29747), (727, 29753), (728, 29777), (740, 29849), (754, 29876), (852, 30125),

Gene: ZenTime222_19 Start: 16980, Stop: 18686, Start Num: 166

Candidate Starts for ZenTime222_19:

(95, 16872), (101, 16884), (Start: 166 @16980 has 28 MA's), (205, 17046), (252, 17121), (254, 17127), (297, 17211), (326, 17265), (350, 17310), (352, 17313), (391, 17379), (510, 17664), (616, 17886), (698, 18075), (787, 18213), (794, 18225), (862, 18402), (879, 18438), (944, 18603), (952, 18630), (965, 18669), (969, 18675),

Gene: Zephyr_27 Start: 21215, Stop: 23017, Start Num: 148

Candidate Starts for Zephyr_27:

(Start: 148 @21215 has 202 MA's), (Start: 166 @21236 has 28 MA's), (Start: 191 @21278 has 1 MA's), (215, 21323), (349, 21539), (376, 21584), (381, 21593), (407, 21632), (425, 21683), (426, 21686), (438, 21722), (463, 21779), (507, 21881), (528, 21950), (616, 22151), (617, 22154), (623, 22175), (674, 22271), (675, 22274), (677, 22280), (701, 22349), (708, 22367), (710, 22376), (720, 22406), (779, 22502), (795, 22535), (802, 22550), (845, 22691), (865, 22748), (907, 22859),

Gene: Zerg_16 Start: 14774, Stop: 16483, Start Num: 132

Candidate Starts for Zerg_16:

(Start: 132 @14774 has 199 MA's), (198, 14861), (237, 14930), (244, 14951), (256, 14987), (277, 15035), (282, 15041), (290, 15059), (301, 15089), (349, 15194), (383, 15254), (389, 15263), (398, 15275), (404, 15284), (415, 15308), (438, 15383), (459, 15410), (467, 15416), (481, 15434), (486, 15449), (488, 15455), (501, 15491), (509, 15506), (510, 15512), (523, 15560), (530, 15572), (531, 15578), (586, 15638), (590, 15650), (606, 15686), (612, 15698), (644, 15773), (647, 15782), (656, 15800), (659, 15806), (671, 15836), (755, 15941), (764, 15953), (785, 15989), (813, 16067), (844, 16166), (851, 16187), (862, 16220), (877, 16250), (886, 16280), (889, 16289), (891, 16295), (905, 16310), (906, 16313), (916, 16337), (940, 16379), (947, 16409), (959, 16451),

Gene: Zetzy_28 Start: 19913, Stop: 21709, Start Num: 145

Candidate Starts for Zetzy_28:

(Start: 145 @19913 has 749 MA's), (Start: 191 @19970 has 1 MA's), (199, 19985), (216, 20018), (233, 20039), (Start: 239 @20054 has 1 MA's), (297, 20141), (303, 20153), (304, 20156), (349, 20231), (361, 20246), (379, 20282), (470, 20489), (528, 20642), (560, 20729), (616, 20843), (623, 20867), (629, 20885), (675, 20966), (701, 21041), (708, 21059), (717, 21092), (720, 21098), (739, 21137), (777, 21191), (779, 21194), (791, 21215), (810, 21272), (865, 21440), (905, 21545), (907, 21551), (959, 21686),

Gene: Zeuska_28 Start: 21670, Stop: 23451, Start Num: 166

Candidate Starts for Zeuska_28:

(Start: 148 @21649 has 202 MA's), (Start: 166 @21670 has 28 MA's), (Start: 191 @21712 has 1 MA's), (215, 21757), (349, 21973), (376, 22018), (381, 22027), (407, 22066), (425, 22117), (426, 22120), (507, 22315), (528, 22384), (616, 22585), (617, 22588), (623, 22609), (674, 22705), (675, 22708), (677, 22714), (701, 22783), (708, 22801), (710, 22810), (720, 22840), (779, 22936), (795, 22969), (802, 22984), (845, 23125), (865, 23182), (907, 23293),

Gene: ZhongYanYuan_17 Start: 16814, Stop: 18547, Start Num: 165

Candidate Starts for ZhongYanYuan_17:

(Start: 165 @16814 has 28 MA's), (205, 16883), (274, 17024), (276, 17027), (301, 17057), (306, 17072), (326, 17105), (350, 17150), (379, 17204), (397, 17231), (405, 17243), (423, 17294), (425, 17300), (436, 17333), (500, 17486), (510, 17510), (512, 17519), (527, 17564), (547, 17615), (608, 17720), (626, 17777), (657, 17840), (691, 17912), (703, 17948), (773, 18047), (783, 18068), (787, 18074), (794, 18086), (826, 18149), (854, 18236), (862, 18263), (879, 18296), (897, 18347), (905, 18359), (912, 18383), (944, 18461), (950, 18479),

Gene: ZiggyZoo_18 Start: 16440, Stop: 18086, Start Num: 220

Candidate Starts for ZiggyZoo_18:

(196, 16404), (Start: 220 @16440 has 45 MA's), (261, 16542), (295, 16620), (296, 16623), (337, 16719), (355, 16758), (390, 16818), (404, 16839), (423, 16893), (428, 16908), (510, 17079), (520, 17109), (620, 17292), (626, 17316), (658, 17367), (695, 17460), (700, 17472), (738, 17517), (747, 17532), (809, 17664), (810, 17667), (841, 17766), (847, 17784), (865, 17835), (890, 17901), (927, 17964), (935, 17976),

Gene: Ziko_56 Start: 28834, Stop: 30519, Start Num: 137

Candidate Starts for Ziko_56:

(68, 28642), (69, 28651), (73, 28657), (97, 28759), (Start: 110 @28789 has 1 MA's), (Start: 137 @28834 has 84 MA's), (236, 28975), (328, 29134), (360, 29188), (434, 29344), (480, 29443), (495, 29491), (516, 29548), (521, 29563), (582, 29653), (634, 29791), (674, 29854), (708, 29950), (749, 30001), (751, 30004), (756, 30016), (802, 30091), (806, 30106), (844, 30190), (875, 30271), (915, 30382), (957, 30487), (961, 30505),

Gene: Zilizebeth_19 Start: 16385, Stop: 18121, Start Num: 129

Candidate Starts for Zilizebeth_19:

(Start: 114 @16361 has 2 MA's), (Start: 129 @16385 has 45 MA's), (174, 16445), (185, 16466), (Start: 187 @16469 has 15 MA's), (250, 16589), (263, 16628), (279, 16661), (291, 16685), (341, 16805), (363, 16844), (365, 16850), (411, 16934), (415, 16940), (418, 16952), (425, 16976), (434, 17003), (441, 17021), (470, 17060), (481, 17066), (489, 17090), (510, 17144), (513, 17156), (517, 17165), (537, 17225), (595, 17303), (612, 17342), (622, 17375), (647, 17441), (654, 17456), (659, 17465), (669, 17489), (686, 17519), (691, 17531), (782, 17633), (788, 17645), (791, 17648), (794, 17654), (796, 17663), (830, 17771), (858, 17855), (898, 17954), (950, 18062), (965, 18110),

Gene: Zimmer_30 Start: 22382, Stop: 24154, Start Num: 145

Candidate Starts for Zimmer_30:

(103, 22316), (Start: 128 @22358 has 10 MA's), (Start: 133 @22367 has 29 MA's), (Start: 145 @22382 has 749 MA's), (246, 22535), (303, 22616), (304, 22619), (347, 22691), (349, 22694), (363, 22712), (381, 22748), (385, 22754), (434, 22865), (470, 22952), (504, 23033), (507, 23036), (528, 23105), (560, 23192), (629, 23348), (675, 23429), (680, 23444), (795, 23672), (802, 23687), (808, 23711), (832, 23786), (836, 23801), (847, 23834), (865, 23885), (905, 23990), (959, 24131),

Gene: Zion_34 Start: 29327, Stop: 30925, Start Num: 262

Candidate Starts for Zion_34:

(Start: 262 @29327 has 8 MA's), (327, 29426), (363, 29495), (383, 29534), (442, 29669), (467, 29729), (530, 29882), (535, 29894), (537, 29903), (538, 29906), (568, 29951), (572, 29966), (578, 29975), (582, 29984), (604, 30038), (611, 30056), (630, 30110), (719, 30326), (767, 30419), (821, 30527), (835, 30581), (861, 30656), (922, 30785), (963, 30911),

Gene: Zipp_34 Start: 30844, Stop: 32466, Start Num: 190

Candidate Starts for Zipp_34:

(Start: 154 @30787 has 21 MA's), (Start: 190 @30844 has 16 MA's), (205, 30865), (237, 30928), (257, 30991), (289, 31051), (294, 31063), (329, 31150), (354, 31201), (417, 31312), (424, 31339), (429, 31354), (489, 31438), (500, 31468), (504, 31477), (517, 31513), (537, 31573), (586, 31621), (589,

31630), (628, 31729), (649, 31768), (656, 31780), (701, 31897), (764, 31936), (787, 31975), (808, 32032), (822, 32071), (824, 32080), (839, 32137), (843, 32149), (862, 32206), (865, 32212), (875, 32233), (886, 32266), (909, 32311), (959, 32440), (961, 32449),

Gene: Zirinka_19 Start: 17776, Stop: 19374, Start Num: 268

Candidate Starts for Zirinka_19:

(Start: 268 @17776 has 52 MA's), (414, 18025), (418, 18034), (424, 18052), (425, 18055), (443, 18109), (472, 18184), (496, 18253), (499, 18262), (505, 18274), (509, 18286), (521, 18325), (529, 18352), (532, 18361), (534, 18364), (582, 18397), (605, 18454), (628, 18520), (683, 18631), (705, 18691), (745, 18793), (779, 18850), (813, 18940), (894, 19180), (932, 19258),

Gene: Zitch_36 Start: 28728, Stop: 30350, Start Num: 190

Candidate Starts for Zitch_36:

(Start: 190 @28728 has 16 MA's), (205, 28749), (210, 28761), (237, 28812), (251, 28851), (257, 28875), (294, 28947), (329, 29034), (354, 29085), (371, 29115), (417, 29196), (424, 29223), (487, 29316), (500, 29352), (504, 29361), (516, 29394), (517, 29397), (537, 29457), (586, 29505), (589, 29514), (628, 29613), (649, 29652), (656, 29664), (701, 29781), (764, 29820), (787, 29859), (808, 29916), (822, 29955), (824, 29964), (839, 30021), (843, 30033), (859, 30081), (862, 30090), (865, 30096), (875, 30117), (886, 30150), (909, 30195), (938, 30246), (959, 30324), (961, 30333),

Gene: Zizzle_16 Start: 14782, Stop: 16491, Start Num: 132

Candidate Starts for Zizzle_16:

(Start: 132 @14782 has 199 MA's), (198, 14869), (Start: 228 @14914 has 2 MA's), (237, 14938), (277, 15043), (282, 15049), (290, 15067), (301, 15097), (349, 15202), (379, 15256), (383, 15262), (389, 15271), (404, 15292), (415, 15316), (425, 15352), (427, 15358), (438, 15391), (439, 15394), (442, 15403), (459, 15418), (467, 15424), (481, 15442), (486, 15457), (488, 15463), (493, 15481), (494, 15484), (501, 15499), (509, 15514), (510, 15520), (523, 15568), (530, 15580), (531, 15586), (586, 15646), (590, 15658), (606, 15694), (612, 15706), (644, 15781), (647, 15790), (656, 15808), (659, 15814), (671, 15844), (755, 15949), (764, 15961), (785, 15997), (813, 16075), (851, 16195), (862, 16228), (877, 16258), (880, 16270), (886, 16288), (888, 16294), (889, 16297), (891, 16303), (905, 16318), (906, 16321), (914, 16342), (916, 16345), (940, 16387), (947, 16417), (959, 16459), (960, 16465),

Gene: ZoMa_18 Start: 16640, Stop: 18403, Start Num: 138

Candidate Starts for ZoMa_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: ZoeJ_19 Start: 14954, Stop: 16723, Start Num: 143

Candidate Starts for ZoeJ_19:

(Start: 121 @14918 has 1 MA's), (Start: 138 @14948 has 25 MA's), (Start: 143 @14954 has 53 MA's), (Start: 166 @14969 has 28 MA's), (Start: 193 @15011 has 1 MA's), (222, 15059), (Start: 239 @15098 has 1 MA's), (244, 15113), (261, 15164), (276, 15194), (291, 15227), (298, 15239), (304, 15257), (338, 15329), (341, 15335), (395, 15431), (404, 15443), (437, 15539), (488, 15632), (493, 15650), (504, 15674), (508, 15680), (520, 15719), (527, 15743), (531, 15755), (586, 15845), (589, 15854), (613, 15908), (622, 15938), (674, 16049), (693, 16100), (758, 16208), (820, 16322), (823, 16331), (845, 16406), (862, 16457), (909, 16559), (939, 16613), (960, 16694), (971, 16715),

Gene: Zolita_23 Start: 19917, Stop: 21716, Start Num: 145

Candidate Starts for Zolita_23:

(Start: 145 @19917 has 749 MA's), (240, 20055), (304, 20154), (349, 20229), (379, 20280), (419, 20352), (423, 20367), (434, 20400), (436, 20406), (478, 20499), (516, 20601), (523, 20631), (527, 20637), (560, 20727), (582, 20757), (616, 20841), (617, 20844), (629, 20883), (637, 20901), (674, 20961), (675, 20964), (708, 21057), (777, 21198), (798, 21240), (907, 21558), (959, 21693), (961, 21702),

Gene: Zombie_18 Start: 16649, Stop: 18403, Start Num: 164

Candidate Starts for Zombie_18:

(Start: 138 @16640 has 25 MA's), (Start: 164 @16649 has 42 MA's), (Start: 168 @16655 has 2 MA's), (172, 16661), (244, 16793), (261, 16844), (276, 16874), (Start: 288 @16898 has 1 MA's), (335, 17000), (353, 17039), (357, 17045), (365, 17060), (392, 17105), (439, 17225), (466, 17282), (488, 17321), (508, 17369), (516, 17396), (520, 17408), (548, 17489), (586, 17534), (675, 17732), (687, 17762), (693, 17780), (701, 17807), (760, 17891), (778, 17909), (792, 17924), (808, 17972), (812, 17987), (833, 18050), (851, 18107), (865, 18146), (882, 18188), (909, 18239), (950, 18335), (971, 18395),

Gene: Zulu_31 Start: 19970, Stop: 21742, Start Num: 145

Candidate Starts for Zulu_31:

(103, 19904), (Start: 128 @19946 has 10 MA's), (Start: 145 @19970 has 749 MA's), (304, 20207), (347, 20279), (349, 20282), (361, 20297), (381, 20336), (385, 20342), (434, 20453), (436, 20459), (448, 20498), (470, 20540), (488, 20579), (504, 20621), (507, 20624), (560, 20780), (624, 20921), (629, 20936), (720, 21149), (791, 21248), (802, 21275), (817, 21326), (821, 21335), (832, 21374), (836, 21389), (865, 21473), (905, 21578), (907, 21584), (959, 21719),

Gene: xkcd_25 Start: 19999, Stop: 21594, Start Num: 197

Candidate Starts for xkcd_25:

(Start: 137 @19915 has 84 MA's), (Start: 197 @19999 has 47 MA's), (Start: 239 @20077 has 1 MA's), (272, 20164), (282, 20179), (301, 20227), (315, 20266), (363, 20353), (380, 20386), (404, 20422), (417, 20452), (418, 20458), (441, 20527), (483, 20557), (487, 20569), (488, 20572), (510, 20629), (587, 20761), (589, 20767), (617, 20833), (620, 20839), (626, 20863), (647, 20911), (659, 20935), (665, 20944), (695, 21019), (761, 21070), (772, 21085), (833, 21247), (841, 21274), (851, 21304), (890, 21409), (938, 21487), (947, 21523), (950, 21532), (959, 21565), (965, 21580),