

Pham 202522

r01: Tomathan_31 + 1	85	90	98	228	308	388	468	548	628	708	788	868	948
r02: DBQu4n_31 + 1	85	90	98	228	308	388	468	548	628	708	788	868	948
r03: Agape74_30	85	90	98	228	308	388	468	548	628	708	788	868	948
r04: BobSwage1_31	85	90	98	228	308	388	468	548	628	708	788	868	948
r05: 20ES_28	85	90	98	228	308	388	468	548	628	708	788	868	948
r06: Crucio_28	85	90	98	228	308	388	468	548	628	708	788	868	948
r07: LadyBird_28	85	90	98	228	308	388	468	548	628	708	788	868	948
r08: LilTurb_30 + 6	85	90	98	228	308	388	468	548	628	708	788	868	948
r09: BabyBack_30	85	90	98	228	308	388	468	548	628	708	788	868	948
r10: EZMoney23_32	85	90	98	228	308	388	468	548	628	708	788	868	948
r11: SwimSquare_30	85	90	98	228	308	388	468	548	628	708	788	868	948
r12: Miko_31	85	90	98	228	308	388	468	548	628	708	788	868	948
r13: Cher12_30	85	90	98	228	308	388	468	548	628	708	788	868	948
r14: Kaipine_31	85	90	98	228	308	388	468	548	628	708	788	868	948
r15: Colin_32	85	90	98	228	308	388	468	548	628	708	788	868	948
r16: Caraxes_27 + 1	85	90	98	228	308	388	468	548	628	708	788	868	948
r17: RedRock_31	85	90	98	228	308	388	468	548	628	708	788	868	948
r18: Changeing_30	85	90	98	228	308	388	468	548	628	708	788	868	948
r19: AnnaL29_31	85	90	98	228	308	388	468	548	628	708	788	868	948
r20: Loser_31	85	90	98	228	308	388	468	548	628	708	788	868	948
r21: BenVolio_28 + 1	85	90	98	228	308	388	468	548	628	708	788	868	948
r22: Leogania_30	85	90	98	228	308	388	468	548	628	708	788	868	948
r23: ArcherNM_30	85	90	98	228	308	388	468	548	628	708	788	868	948
r24: StarStuff_31 + 2	85	90	98	228	308	388	468	548	628	708	788	868	948
r25: Koduck_28 + 1	85	90	98	228	308	388	468	548	628	708	788	868	948
r26: Serenity_27	85	90	98	228	308	388	468	548	628	708	788	868	948
r27: TarsusIV_28	85	90	98	228	308	388	468	548	628	708	788	868	948
r28: JoshKayV_30 + 1	85	90	98	228	308	388	468	548	628	708	788	868	948
r29: Drake55_30	85	90	98	228	308	388	468	548	628	708	788	868	948
r30: Fameo_28 + 2	85	90	98	228	308	388	468	548	628	708	788	868	948
r31: Leviathan_30	85	90	98	228	308	388	468	548	628	708	788	868	948
r32: FiringLine_28 + 1	85	90	98	228	308	388	468	548	628	708	788	868	948
r33: Jsquared_27	85	90	98	228	308	388	468	548	628	708	788	868	948
r34: TipsytheIRex_27	85	90	98	228	308	388	468	548	628	708	788	868	948
r35: Larenn_29 + 1	85	90	98	228	308	388	468	548	628	708	788	868	948
r36: IronMan_30	85	90	98	228	308	388	468	548	628	708	788	868	948
r37: WeiHuaDA_34	85	90	98	228	308	388	468	548	628	708	788	868	948
r38: Retro23_28	85	90	98	228	308	388	468	548	628	708	788	868	948
r39: Trooper_28	85	90	98	228	308	388	468	548	628	708	788	868	948
r40: Dalmatian_28	85	90	98	228	308	388	468	548	628	708	788	868	948
r41: XianYue_28	85	90	98	228	308	388	468	548	628	708	788	868	948
r42: Sknot_29	85	90	98	228	308	388	468	548	628	708	788	868	948
r43: Pukovnik_30	85	90	98	228	308	388	468	548	628	708	788	868	948
r44: Herbertwm_25	85	90	98	228	308	388	468	548	628	708	788	868	948
r45: Anseim_28	85	90	98	228	308	388	468	548	628	708	788	868	948
r46: Trixie_31	85	90	98	228	308	388	468	548	628	708	788	868	948
r47: Acolyte_28	85	90	98	228	308	388	468	548	628	708	788	868	948
r48: Smeagan_30	85	90	98	228	308	388	468	548	628	708	788	868	948
r49: MicuUcigas_28 + 1	85	90	98	228	308	388	468	548	628	708	788	868	948
r50: Power_28 + 2	85	90	98	228	308	388	468	548	628	708	788	868	948

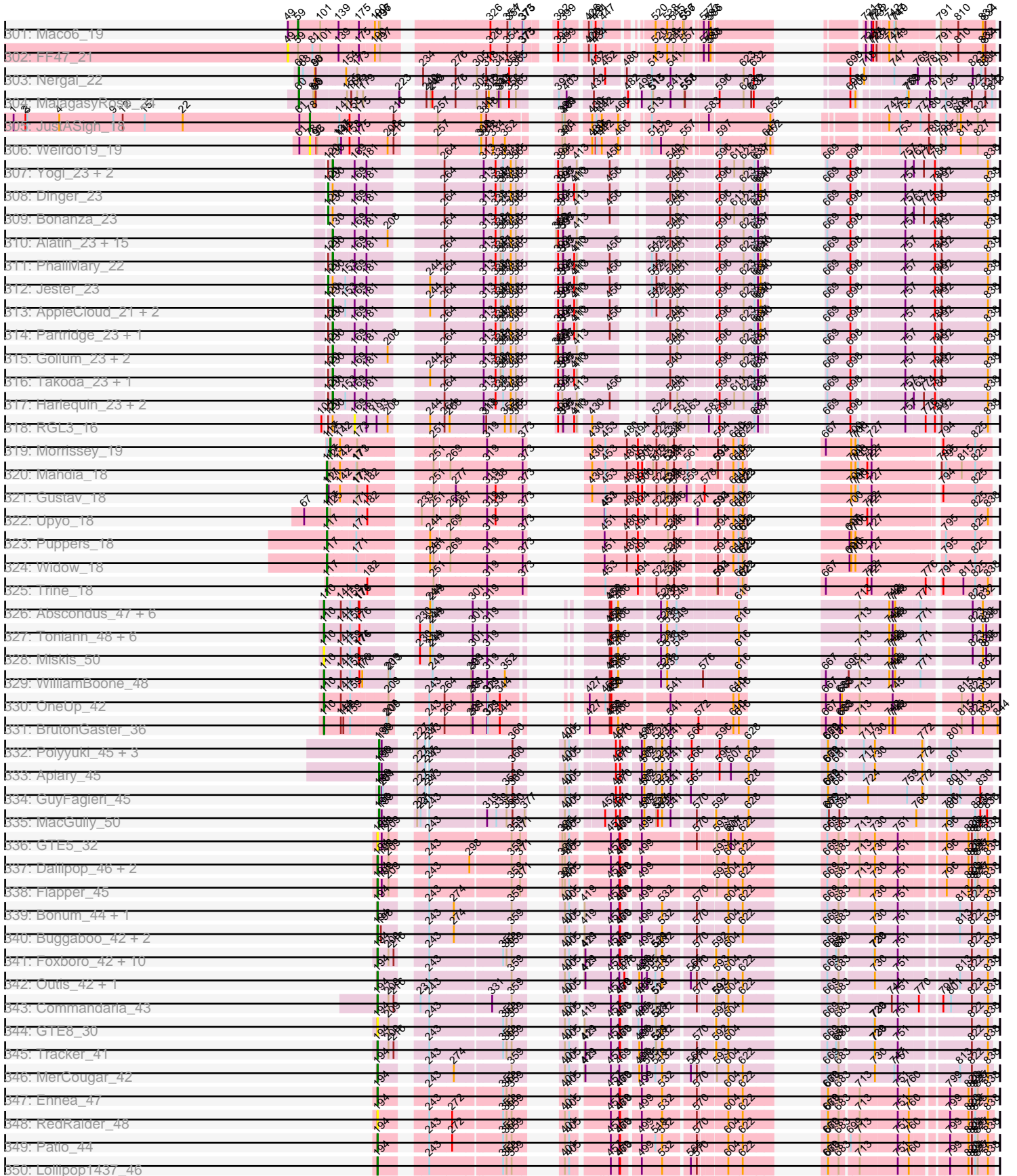
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r53: Odin_27	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794	
r54: BiancaT192_30	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794	
r55: Baehexic_29	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794	
r56: KingCyrus_30	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794	
r57: NicoleTera_32	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794	
r58: LOKK_31	85	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794
r59: MissWhite_28	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794	
r60: HarryHoudini_30	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794	
r61: CRBT_28	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794	
r62: Phaded_31	85	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794
r63: SnapTap_28	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794	
r64: DudeLittle_28	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794	
r65: Iwokeupikedis_29	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794	
r66: Bactobuster_29	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794	
r67: GaugeLDP_30	85	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794
r68: JourneyT3_26	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794	
r69: EvilGenius_30	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794	
r70: Rachaly_31	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794	
r71: First_0028	85	90	8	173	228	202	373	412	434	513	551	582	608	609	704	794
r72: Anthony_27	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r73: Kinmap_29	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r74: HeiDan_27 + 6	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r75: ACFishhook_29 + 3	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r76: Mainiac_29 + 6	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r77: Culiens_29 + 48	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r78: BlueBird_26 + 5	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r79: Norbert_27 + 13	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r80: BabyJohn_26 + 1	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r81: MK4_27	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r82: Groupthink_30 + 8	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r83: StepWith_29	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r84: Jobu08_29 + 2	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r85: MA5_27	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r86: Marius_30	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r87: GrumT_29	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r88: Rockstar_27 + 1	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r89: JF2_27 + 2	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r90: Dieselweasel_29	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r91: Puppy_28	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r92: JHC117_29	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r93: HasnRod_30	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r94: Snickers_29	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r95: OlanP_29	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r96: Phantastic_27	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r97: Phranny_30 + 1	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r98: BabyRay_27	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r99: JenCasNa_29	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	
r200: Hercules11_29	70	146	178	228	202	373	412	434	513	551	582	608	609	704	794	

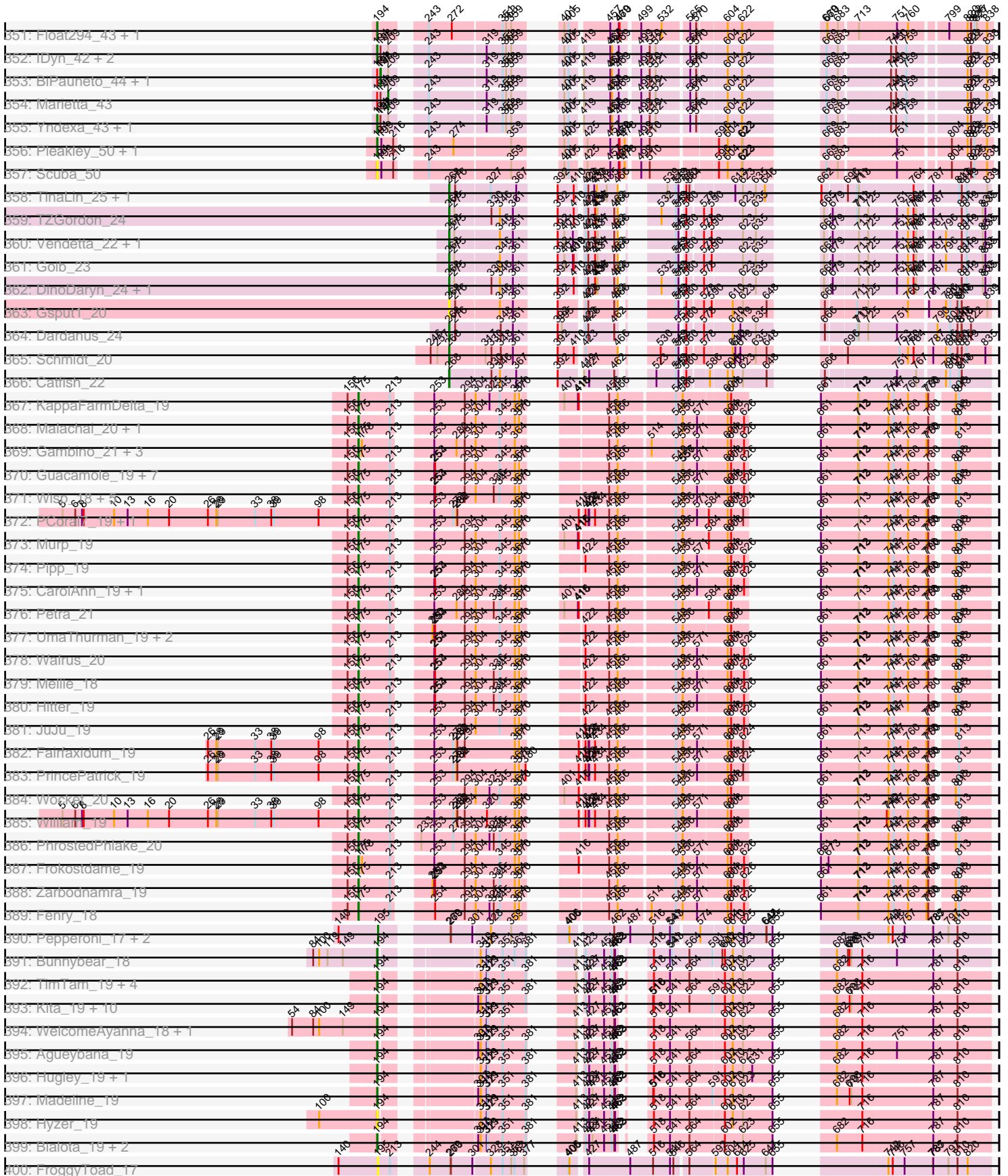
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201: TtNguyen7_27			108	146	179	228	286	308	347	373		412	430	495	508	591	605	719	760	782	833
202: LHITSCC_28 + 5			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
203: ICleared_27 + 87			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
204: Badger_27 + 6			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
205: Stasia_28			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
206: Phonbonne_27 + 8			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
207: HiroTheta9_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
208: Perplexer_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
209: Rosa24_26 + 1			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
210: AbbysRanger_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
211: Happiness_27 + 3			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
212: PetiteSangSue_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
213: Katalie136_27 + 1			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
214: Shygu2_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
215: Shaka_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
216: SenorClean_26			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
217: Pumbaa_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
218: PeterPeter_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
219: CamperdownII_26			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
220: Commander_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
221: Stink_28	41	55	90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
222: Miramae_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
223: Cindaradix_26			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
224: Mundrea_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
225: KFPPoly_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
226: LeoAvram_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
227: BumblebeeI1_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
228: TroyPia_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
229: Noelle_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
230: AvatarAnPeg_28	41	55	90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
231: Eurydice_27			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
232: Tarynearal_23 + 2			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
233: Micasa_24			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
234: Theia_22			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
235: George_23 + 1			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
236: PetterN_25			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
237: Chadwick_25 + 3			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
238: ForGeit_24 + 4			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
239: Phlorence_24 + 4			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
240: HuutaEnerson15_24			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
241: Jabiru_24			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
242: Swinley_24			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
243: GhoulBoy_24 + 2			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
244: UnionJack_24			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
245: Midas2_24 + 1			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
246: PickleBack_24			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
247: Etiger69_24			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
248: Tger_24			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
249: Airmid_24			90	140	175	200	225	250	275	300		412	430	495	508	591	605	719	760	782	833
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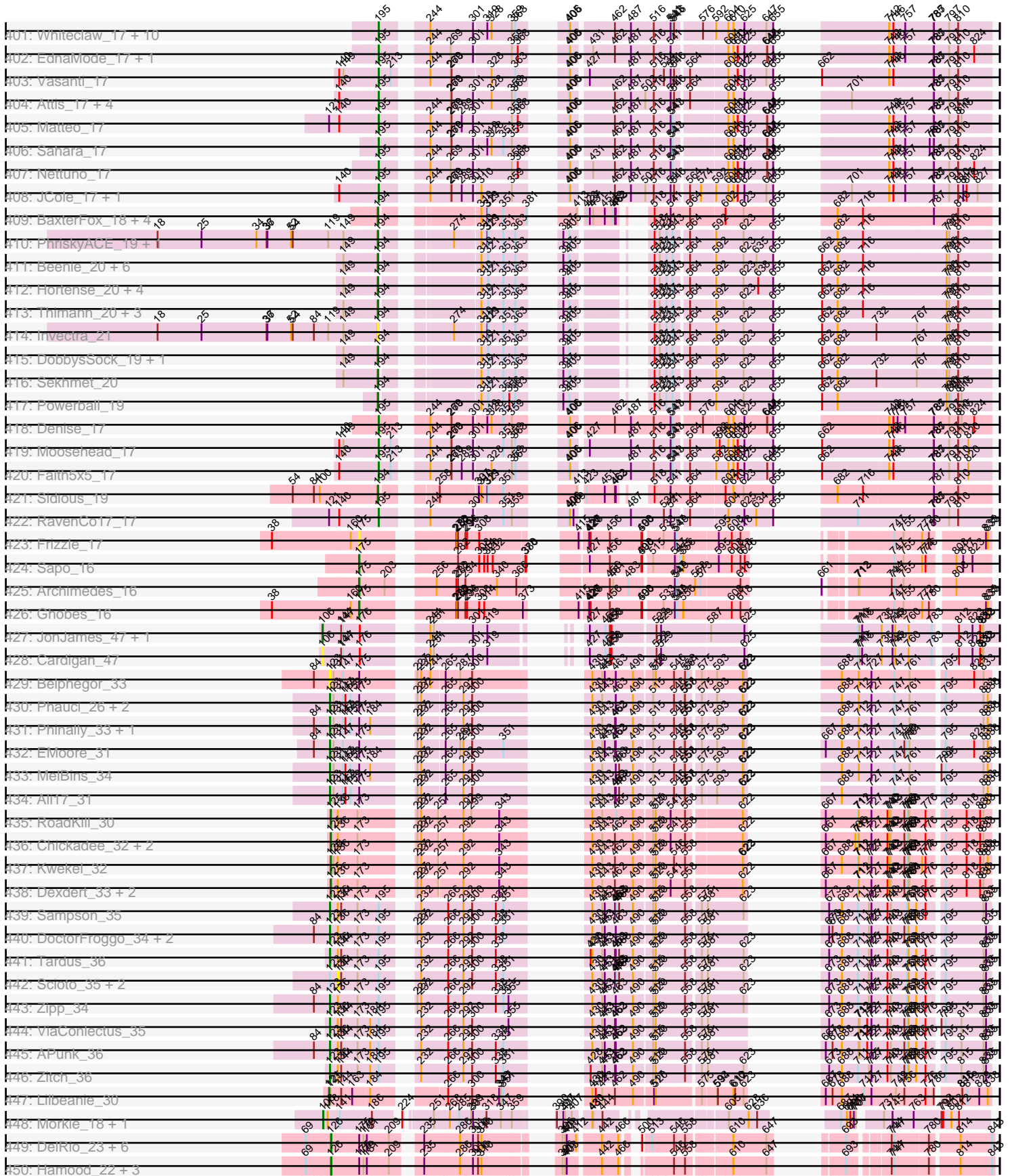
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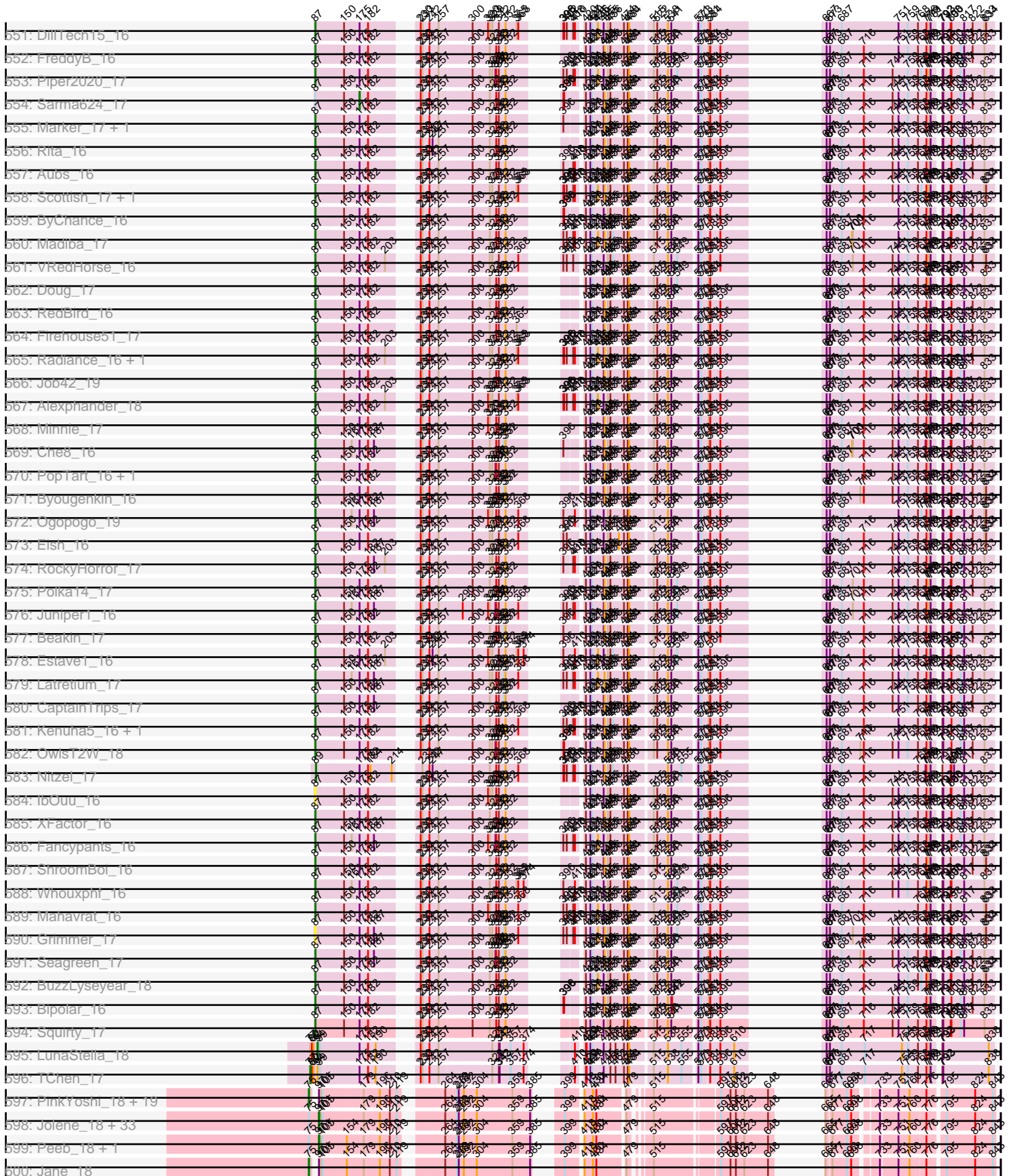
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502: Terror_18 + 1			75 106	154 179 199 209	264 302	359 386	399 417 434	500 516	591 606 623	648	687 698	734 760 776	824 843	
503: Rabbs_18		32	75 106	154 179 199 209	221	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	734 760 776	824 843
504: Barkley26_18		19	75 106	154 179 199 209	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	734 760 776	824 843	
505: Pato_18		32	75 106	154 179 199 209	221	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	734 760 776	824 843
506: Grizzly_18			75 106	154 179 199 209	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	734 760 776	824 843	
507: Avocado_18 + 1			99	154 179 210	240 258 304	359 386	399 417 434	473 515 538	571 591 606 623	648	687 698	741 758	820 838	
508: Pace1224_18			99	154 179 210	240 258 304	359 386	399 417 434	473 515 538	571 591 606 623	648	687 698	741 758	820 838	
509: FlagStaff_18			99	177 198 210	264 302	359 386	399 417 434	515 542	591 606 623	648	687 698	704 751 774	824 843	
510: Pinnie_19			99	154 179 199 210	264 302	321	359 386	399 417 434	515 538	573	591 606 623	687 698	728 751 786	824 843
511: Joire2_18		14	88 97	154 179 199 210	264 302	359 386	399 417 434	473 515 538	573 591 606 623	648	687 698	734 758 786	824 843	
512: Mercurio_20			88	154 179 210	264 302	359 386	399 417 434	473 515 538	573 591 606 623	648	687 698	734 758 786	824 843	
513: Lemuria_19			97	177 199 210	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	745 776	824 843	
514: Antstrabe_18			97	177 199 210	240 258 304	359 386	399 417 434	473 515 538	591 606 623	648	687 698	745 776	824 843	
515: Stargaze_18			106	179 210	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	745 776	824 843	
516: QueenHazel_19			106	179 210	221	264 302	359 386	399 417 434	541 591 606 623	648	687 698	745 776	816 831	
517: Brujita_19 + 1			106	179 210	221	264 302	359 386	399 417 434	541 591 606 623	648	687 698	745 776	816 831	
518: Babsiteia_19			106	179 210	221	264 302	359 386	399 417 434	541 591 606 623	648	687 698	745 776	816 831	
519: Xula_18 + 1			141 160	180	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	751 776	824 843	
520: Kalah2_37			141 160	180	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	751 776	824 843	
521: ThreeRingTarjay_35			141 160	180	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	751 776	824 843	
522: Bombitas_33 + 4			141 160	180	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	751 776	824 843	
523: BAKA_34 + 2			180	210	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	751 776	824 843	
524: Squint_33 + 4			180	210	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	751 776	824 843	
525: Omega_36			141 160	180	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	751 776	824 843	
526: Bobby_38 + 3			180	210	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	751 776	824 843	
527: Gonephishing_32			180	210	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	751 776	824 843	
528: Hannacoonda_31 + 2			180	210	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	751 776	824 843	
529: Superpnikman_34			180	210	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	751 776	824 843	
530: Lucky2013_34			141 160	180	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	751 776	824 843	
531: Constella_31			141 160	180	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	751 776	824 843	
532: Optimus_35			141 160	180	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	751 776	824 843	
533: Thibault_33			141 160	180	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	751 776	824 843	
534: ZeInk_38			141 160	180	264 302	359 386	399 417 434	473 515 538	591 606 623	648	687 698	751 776	824 843	
535: Minerva_37 + 1			190 210	221	264 302	359 386	399 417 434	473 515 538	573 612 641	648	687 698	751 776	824 843	
536: Dunfee_23 + 42			190 210	221	264 302	359 386	399 417 434	473 515 538	573 612 641	648	687 698	751 776	824 843	
537: MarkPNew_23			190 210	221	264 302	359 386	399 417 434	473 515 538	573 612 641	648	687 698	751 776	824 843	
538: Zavaia_23 + 1			190 210	221	264 302	359 386	399 417 434	473 515 538	573 612 641	648	687 698	751 776	824 843	
539: Anaya_24			190 210	221	264 302	359 386	399 417 434	473 515 538	573 612 641	648	687 698	751 776	824 843	
540: Iluminae_23 + 2			190 210	221	264 302	359 386	399 417 434	473 515 538	573 612 641	648	687 698	751 776	824 843	
541: Richo_23 + 3			190 210	221	264 302	359 386	399 417 434	473 515 538	573 612 641	648	687 698	751 776	824 843	
542: Nikao_19 + 8			190 210	221	264 302	359 386	399 417 434	473 515 538	573 612 641	648	687 698	751 776	824 843	
543: TimBug_23			190 210	221	264 302	359 386	399 417 434	473 515 538	573 612 641	648	687 698	751 776	824 843	
544: Rapunzel97_23 + 10			190 210	221	264 302	359 386	399 417 434	473 515 538	573 612 641	648	687 698	751 776	824 843	
545: LeMond_22 + 1			190 210	221	264 302	359 386	399 417 434	473 515 538	573 612 641	648	687 698	751 776	824 843	
546: TingHuaYa_23			190 210	221	264 302	359 386	399 417 434	473 515 538	573 612 641	648	687 698	751 776	824 843	
547: Bella96_23			190 210	221	264 302	359 386	399 417 434	473 515 538	573 612 641	648	687 698	751 776	824 843	
548: Geraldini_23 + 4			190 210	221	264 302	359 386	399 417 434	473 515 538	573 612 641	648	687 698	751 776	824 843	
549: Elra2_23			190 210	221	264 302	359 386	399 417 434	473 515 538	573 612 641	648	687 698	751 776	824 843	
550: Valdius_23			190 210	221	264 302	359 386	399 417 434	473 515 538	573 612 641	648	687 698	751 776	824 843	

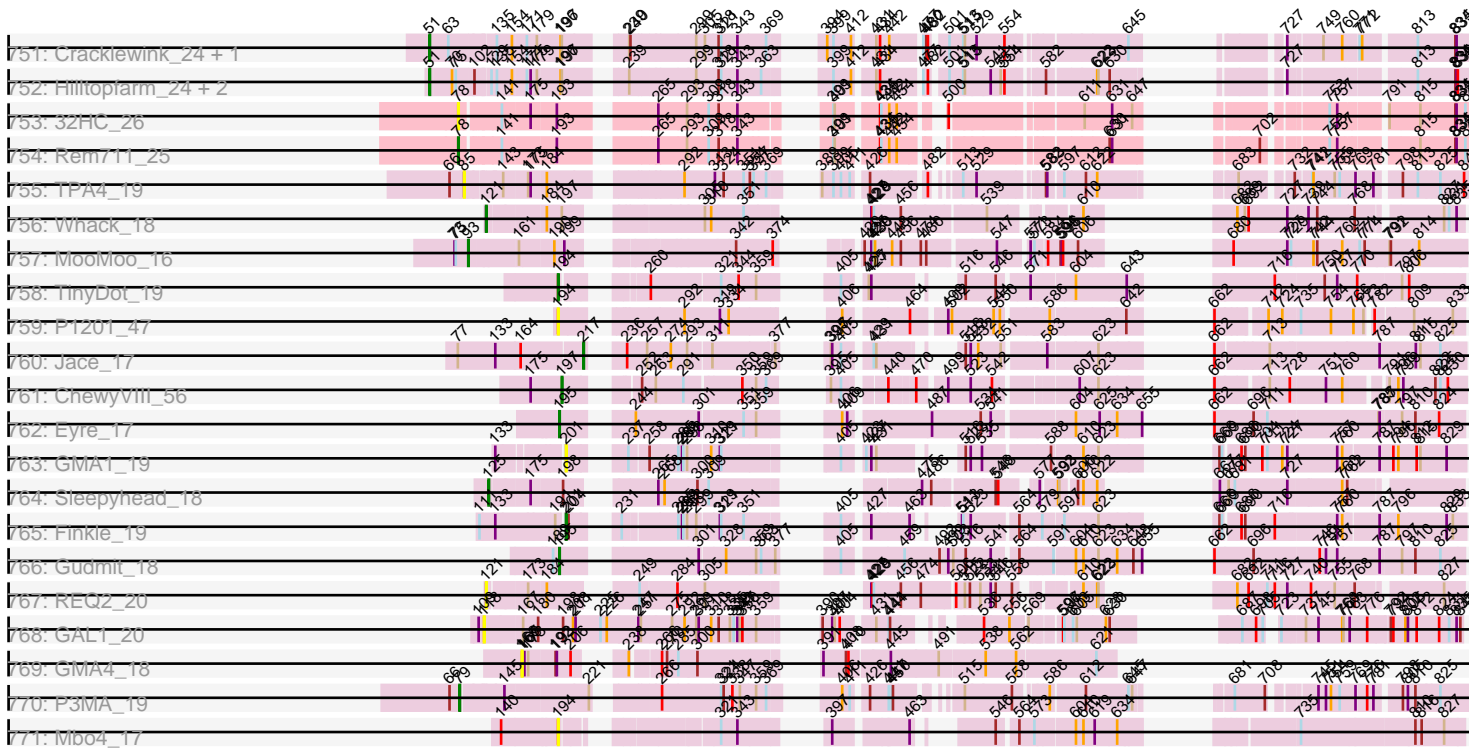
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551: Clipper_25 + 1	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
552: LaterM_23 + 1	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
553: Shaobing_23 + 1	64,01	17,08,21	21	266	366	398	479	535	573	612	681	745	759	823
554: Chris_22	64,01	17,08,21	21	266	366	398	479	535	573	612	681	745	759	823
555: Nibo_22	64,01	17,08,21	21	266	366	398	479	535	573	612	681	745	759	823
556: Guanica15_23 + 1	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
557: Pithivi_23 + 5	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
558: DiHayes_23 + 2	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
559: LastHope_23	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
560: Murucutumbu_23	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
561: Bem_25	64,01	17,08,21	21	266	366	398	479	535	573	612	681	745	759	823
562: KTSI_22	64,01	17,08,21	21	266	366	398	479	535	573	612	681	745	759	823
563: Oscar_22	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
564: Pokerus_22	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
565: Curiosium_24	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
566: Ageofdapage_23	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
567: Findley_19 + 1	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
568: BoostSeason_19	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
569: DismalStressor_19 + 2	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
570: TM4_19	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
571: Mitty_19	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
572: Mulasa_19	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
573: ZoeJ_19	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
574: TBond007_22 + 1	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
575: Keshu_22	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
576: TribleTrouble_21	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
577: MacnCheese_23	64,01	15,17,19,21	21	266	366	398	479	535	573	612	681	745	759	823
578: Pharb_22	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
579: Hurricane_22	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
580: ShedlockHolmes_22	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
581: Fionnbarth_24	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
582: Mitti_24 + 5	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
583: Juliette_24	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
584: JF1_24 + 3	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
585: Reptar3000_24	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
586: Pat_24	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
587: Y10_24 + 1	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
588: Taquito_22	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
589: MissDaisy_24	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
590: Eponine_24 + 1	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
591: Leston_21	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
592: VIVIJ_20 + 4	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
593: Feyre_21 + 3	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
594: OkiRoe_21	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
595: Miryou_21 + 1	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
596: Gengar_21	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
597: Hellyboy_21 + 1	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
598: Amohnitton_22	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823
599: Phrank_22 + 1	64,01	12,09,19,21	21	266	366	398	479	535	573	612	681	745	759	823
700: Ekodiam_20	79,01	19,89,21	21	266	366	398	479	535	573	612	681	745	759	823

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701: Bryler_22 + 1	701	170	221	200	316	300	300	525	548	500	612	600	601	716	745	700	815	800	
702: Unicorn_22 + 1	701	170	221	200	316	300	300	525	548	571	600	612	600	601	716	745	700	815	800
703: Ximemita_23	701	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
704: November_22	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
705: Marshawn_24	610	170	221	200	316	300	300	525	548	571	600	612	600	601	716	745	700	815	800
706: Syra333_22	701	170	221	200	316	300	300	525	548	571	600	612	600	601	716	745	700	815	800
707: Sunflower1121_21	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
708: SirPhilip_22	500	72	170	221	200	316	300	525	548	571	600	612	600	601	716	745	700	815	800
709: Yuna_24	701	170	221	200	316	300	300	525	548	571	600	612	600	601	716	745	700	815	800
710: Shadow1_21	701	170	221	200	316	300	300	525	548	571	600	612	600	601	716	745	700	815	800
711: Krueger_22	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
712: Hammy_22	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
713: DarinP_22	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
714: TCin_22	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
715: Emilie_20	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
716: Felferhead_22	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
717: Amgine_21	701	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
718: Aminay_21	701	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
719: Boligate_20	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
720: Journey_18 + 22	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
721: Jamie19_18 + 14	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
722: Kevin1_18 + 2	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
723: MichelleMyBell_18	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
724: Raymond7_18	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
725: Andies_18	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
726: Xeno_18	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
727: Comdog_59 + 20	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
728: TelAviv_53 + 3	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
729: Smooch_59	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
730: Zakhe101_56 + 1	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
731: Wildflower_56	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
732: Murai_57	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
733: Ksquared_19 + 27	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
734: Mangethe_19 + 2	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
735: Megiddo_19 + 6	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
736: Polkaroo_19	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
737: GreaseLightnin_19 + 1	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
738: Arib1_19	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
739: Jung_19	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
740: Tortellini_18	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
741: Xavia_19	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
742: Nazo_18	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
743: BigNuz_18	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
744: IhuliaIhulia_18	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
745: Phayonce_18	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
746: Purky_18	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
747: Amymech_22 + 19	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
748: Gravallia_22	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
749: Gancho_21	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800
750: Gaia_16 + 1	610	170	221	200	316	300	300	525	500	571	600	612	600	601	716	745	700	815	800

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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 202522 Report

This analysis was run 01/18/25 on database version 583.

Pham number 202522 has 2047 members, 173 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_29
- Track 2 : Corvo_28, Rajelicia_27, Bethlehem_27, HermioneGrange_27, MaryBeth_27, Rufus_28, MetalQZJ_27, Arcanine_28, HanShotFirst_27, STLscum_28, Alvin_28
- Track 3 : QTRlifeCrisis_27, Jerm2_28, KSSJEB_27, Bob3_26, Espresso_27, Gwendoluna_29, TheloniousMonk_29, Mule_27, Lopton_28, Paraselene_26, Teodoridan_25, Adahisdi_28, Abbyshoes_28, Big3_27, 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, Eyeball_27, Seabiscuit_29, Beatrix_27, Nerujay_28, Pepe_28, Aeneas_29, PattyP_29, Gyzlar_29, Payneful_27, JackSparrow_28, BaconJack_29, BigMau_29, Raid_28, Pippin_29, Applejack_27, KyMonks1A_29, GrecoEtereo_29, Kanely_28, ILeeKay_29, TwoPeat_28, Petp2012_29, Mryolo_26, Ruotula_26, Abrogate_280, Maroc7_26, Kugel_28, Sibs6_29, Bxb1_25, Gandalf20_28, Michley_27, Rhynn_27, Dulcie_26, Ciao_27, Kenmech_30, MPlant7149_26, Ohno789_27, Pita2_29, Acme_29, Makemake_27, PSullivan_29, Dussy_28, Fascinus_26, Tote_29, Lesedi_26, Marchy_26, Swole_29, Zeeculate_27
- Track 4 : Inyanga_26, Licorice_29, Ringer_27, Doom_28, Switzer_28, Watermelon_29, AFIS_27, Sunshine924_26, Marcell_27, Traft412_29, Snazzy_26, DreamCatcher_30, GageAP_29, DrFeelGood_26, PherrisBueller_28, Atkinbua_29, Manatee_28, Kykar_25, Oogway_26, Violet_26, RidgeCB_27, BigPaolini_28
- Track 5 : Fushigi_28
- Track 6 : MrGordo_27
- Track 7 : Solon_27, Marsha_27, Scowl_28, Arlo_26, Edtherson_28, Museum_29, Altman_29, Conceptil_29, PascalRango_26, Burton_28, Treddle_29, FrogHopper_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 : StewieG_26, Papez_29, ShortQueendom_26, Zeuska_28
- Track 11 : Squee_28, Fenn_28, Naira_28, Barriga_27, Niza_29
- Track 12 : JC27_29
- Track 13 : DD5_28, Lockley_27
- Track 14 : Bones_27, Smairt_28, PacerPaul_27, KBG_28
- Track 15 : Ajay_28
- Track 16 : Dreamboat_28, Fajezeel_29, SpikeBT_29, Greg_29, Pinto_30, Sumter_26
- Track 17 : Homines_27, Marge_28, Nhonho_27, Wheeler_27

- Track 18 : Trouble_28, Magnito_26, Turj99_26, Hami1_29
- Track 19 : BK1_25, A6_25
- Track 20 : Mkhuseleli_28
- Track 21 : GMonster_26
- Track 22 : LilBib_28, Seanderson_28, StrongArm_26, Forsytheast_26, Moose_26, Bexan_26, SwissCheese_28, Pelly_28
- Track 23 : CactusRose_26
- Track 24 : Bigfoot_26
- Track 25 : Petruccio_28
- Track 26 : Bruns_26, Parliament_26
- Track 27 : Peterson_30
- Track 28 : Perseus_28
- Track 29 : ProMouse_26
- Track 30 : Zephyr_27
- Track 31 : Smeagol_29
- Track 32 : Dynamix_28, Anglerfish_28, McGuire_28
- Track 33 : Slagathor_28
- Track 34 : Sorpresa_27, Sandaddy_26
- Track 35 : Topgun_27
- Track 36 : Bircsak_27, Gompeii16_27, Francis47_27
- Track 37 : Hermia_30
- Track 38 : Magnar_27
- Track 39 : Rubeus_28, Euphoria_27, Killigrew_25
- Track 40 : PinkPlastic_26, U2_27, Sanya_26, NEHalo_27, Blue_27, BluSpix_27
- Track 41 : Alsfro_31
- Track 42 : Crispicious1_26, BillKnuckles_28
- Track 43 : Graduation_29
- Track 44 : Carlyle_29
- Track 45 : Buttons_29
- Track 46 : Paphu_26
- Track 47 : Wilkins_27
- Track 48 : Agaliana_28
- Track 49 : IgnatiusPatJac_26
- Track 50 : Rutherford_29
- Track 51 : Dexes_28
- Track 52 : Cueylyss_27
- Track 53 : Kristoff_28
- Track 54 : Rowdy_31, DustyMartin_31, Shapes_31
- Track 55 : RhynO_28
- Track 56 : Chupacabra_27, OKCentral2016_27, Goose_27
- Track 57 : Topanga_27
- Track 58 : PeaceMeal1_26, KittenMittens_26, Drake94_26, Trike_25, Severus_26
- Track 59 : DontArgue_26
- Track 60 : Eaglepride_28
- Track 61 : Edison31_27, WalterMcMickey_27, Twister_27
- Track 62 : Poompha_26
- Track 63 : Rebeuca_28
- Track 64 : 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 65 : Bachome_28
- Track 66 : Gilberta_28
- Track 67 : Bowtie_28

- Track 68 : Mabel_28
- Track 69 : MaCh_28
- Track 70 : TinyTimmy_28
- Track 71 : Flaverint_28, Fibonacci_28, Timothy_28
- Track 72 : Zimmer_30
- Track 73 : Steamy_29
- Track 74 : DarthPhader_29
- Track 75 : Refuge_31
- Track 76 : Pharaoh_28
- Track 77 : Phlei_23
- Track 78 : Gail_28
- Track 79 : SororFago_28
- Track 80 : Luchador_30
- Track 81 : Jeeves_28
- Track 82 : Sunhee_27
- Track 83 : Anon_28
- Track 84 : Oofda_31, ReMo_30, Battleship_31, ShayRa_31, KatherineG_30, Anaysia_30, Boohoo_30, Strosahl_30, MinecraftSteve_31, JSwag_30, Epsocamisio_30, Waits_30, Nebulosus_30, Remus_30, Looper_31, Rosalind_30, Warrior24_31, LastResort_30, Soups_30, Switzerland_30
- Track 85 : DekHockey33_30
- Track 86 : Nedarya_29
- Track 87 : EagleEye_30
- Track 88 : PainterBoy_29
- Track 89 : Lucyedi_29
- Track 90 : 40AC_31
- Track 91 : MyraDee_25
- Track 92 : Kimona_24
- Track 93 : Equemioh13_30, Centaur_30, WideWale_30, Updawg_30
- Track 94 : Jaan_31, Landor_29
- Track 95 : Adzzy_29, Ph8s_29
- Track 96 : D32_31, Naji_31, D29_28
- Track 97 : Piro94_29, NaSiaTalie_28
- Track 98 : NothingSpecial_30
- Track 99 : ANI8_31, VC3_31, AN3_28, C3_26, AN9_31, VA6_28
- Track 100 : Bradman_27, MajorMajor_27, Quokka_26
- Track 101 : Tomathan_31, Travvers_31
- Track 102 : DBQu4n_31, Duplo_31
- Track 103 : Agape74_30
- Track 104 : BobSwaget_31
- Track 105 : 20ES_28
- Track 106 : Crucio_28
- Track 107 : LadyBird_28
- Track 108 : LilTurb_30, Buggy_30, Whabigail7_30, Dignity_30, Jerm_30, AbbyPaige_30, Turbido_30
- Track 109 : BabyBack_30
- Track 110 : EZMoney23_32
- Track 111 : SwirlSquare_30
- Track 112 : Miko_31
- Track 113 : Che12_30
- Track 114 : Kalpine_31
- Track 115 : Colin_32
- Track 116 : Caraxes_27, Superchunk_27

- Track 117 : RedRock_31
- Track 118 : Changeling_30
- Track 119 : AnnaL29_31
- Track 120 : Loser_31
- Track 121 : Benvolio_28, Echid_28
- Track 122 : Leogania_30
- Track 123 : ArcherNM_30
- Track 124 : StarStuff_31, Kerberos_31, Pomar16_31
- Track 125 : Koduck_28, L5_28
- Track 126 : Serenity_27
- Track 127 : TarsusIV_28
- Track 128 : JoshKayV_30, ChipMunk_30
- Track 129 : Drake55_30
- Track 130 : Fameo_28, QueenB2_28, Heffalump_30
- Track 131 : Leviathan_30
- Track 132 : FiringLine_28, QueenBeesly_28
- Track 133 : Jsquared_27
- Track 134 : TopsytheTRex_27
- Track 135 : Larenn_29, Malec_29
- Track 136 : IronMan_30
- Track 137 : WeiHuaDA_34
- Track 138 : Retro23_28
- Track 139 : Trooper_28
- Track 140 : Dalmatian_28
- Track 141 : XianYue_28
- Track 142 : Sknot_29
- Track 143 : Pukovnik_30
- Track 144 : Herbertwm_25
- Track 145 : Anselm_28
- Track 146 : Trixie_31
- Track 147 : Acolyte_28
- Track 148 : Smeagan_30
- Track 149 : MiculUcigas_28, Flare16_28
- Track 150 : Power_28, SweetiePie_28, Georgie2_29
- Track 151 : BengiVuitton_29, Deloris_29
- Track 152 : SemperFi_30
- Track 153 : Odin_27
- Track 154 : BiancaTri92_30
- Track 155 : Baehexic_29
- Track 156 : KingCyrus_30
- Track 157 : NicoleTera_32
- Track 158 : Loka_31
- Track 159 : MissWhite_28
- Track 160 : HarryHoudini_30
- Track 161 : CRB1_28
- Track 162 : Phaded_31
- Track 163 : SnapTap_28
- Track 164 : DudeLittle_28
- Track 165 : Iwokeuplikedis_29
- Track 166 : Bactobuster_29
- Track 167 : GaugeLDP_30
- Track 168 : Journey13_26
- Track 169 : EvilGenius_30

- Track 170 : Rachaly_31
- Track 171 : First_0028
- Track 172 : Anthony_27
- Track 173 : Kinmap_29
- Track 174 : HelDan_27, Heathen_27, Fred313_27, Scout_27, Marchesa_27, Kachowdy_27, DropBear_27
- Track 175 : ACFishhook_29, HaveUMetTed_30, Kalnoky_30, JeppNRM_30
- Track 176 : Mainiac_29, Grif_29, Stagni_29, Sabia_29, P28Green_29, BreSam8_29, MadMarie_29
- Track 177 : Cullens_29, LugYA_31, Phoebe_29, MarQuardt_29, MuchMore_31, LarryKay_29, Taurus_29, LBerry_29, KADY_30, Wooldri_31, Beauxregard13_29, Louie6_29, Bx2_28, Farber_29, Tiffany_29, GingkoMaracino_29, Colbster_29, GtownJaz_29, MoneyMay_29, Phoxy_29, TinyPebbles_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, Daishi_28, DaHudson_29, Rummer_29
- Track 178 : BlueBird_28, Giroux_27, Idleandcovert_27, SaturnRing_27, Bugatti_27, Pistachio_28
- Track 179 : Norbert_27, Caviar_28, Texage_27, Margo_28, Veracruz_27, Panamaxus_27, Pocahontas_28, ResDef_28, Popcicle_28, Hookmount_28, QuinnKiro_27, Todacoro_28, Lambert1_28, Noella_28
- Track 180 : BabyJohn_26, Chiqui_26
- Track 181 : MK4_27
- Track 182 : Groupthink_30, Kalb97_30, Pawn_29, Manu_30, Calvinny_30, Gemma_29, PhishRPhriends_28, PurpleHaze_29, Heliosoles_29
- Track 183 : StepMih_29
- Track 184 : Jobu08_29, SoilDragon_29, Zetzy_28
- Track 185 : MA5_27
- Track 186 : Marius_30
- Track 187 : Grum1_29
- Track 188 : Rockstar_27, Isca_27
- Track 189 : JF2_27, JF4_27, B1_25
- Track 190 : Dieselweasel_29
- Track 191 : Puppy_28
- Track 192 : JHC117_29
- Track 193 : HashRod_30
- Track 194 : Snickers_29
- Track 195 : OlanP_29
- Track 196 : Phantastic_27
- Track 197 : Phranny_30, Reba_30
- Track 198 : BabyRay_27
- Track 199 : JenCasNa_29
- Track 200 : Hercules11_29
- Track 201 : TNguyen7_27
- Track 202 : LHTSCC_28, BangNhom_27, Obama12_28, Cerulean_28, ChampagnePapi_28, SheldonCooper_28
- Track 203 : ICleared_27, Holli_27, Skipitt_27, Kingmustik0402_27, Romney_27, Burger_26, Palestino_26, Wilbur_27, TygerBlood_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_27, 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, Wizard007_27, Relief_27, CentreCat_27, Morrow_27, Houdini22_27, Wander_27, HamSlice_26, Bombshell_27, Medusa_27, Kremtemulon_27, Iceman_28, Eapen_27, Alberto7_28, JetBlade_27, Connomayer_27, Caelakin_27, LittleGuy_27, Lunsford_28, Ulysses_26, Chaph_27, Eagle_26, OKaNui_28, Melvin_27, Abdiel_26, Millski_26, Cintron_27, Phelipe_27, Nebs_27, Maxo_27, Lemur_27, Eris_26, BubbleTrouble_27, Jaykayelowell_27, Bruiser_26, Koan_26, Avle17_27

- Track 204 : Badger_27, Wile_27, Xena_27, Datway_27, Cici_27, Backyardigan_27, Achebe_26
- Track 205 : Stasia_28
- Track 206 : Phontbonne_27, BellusTerra_27, Ohfah_27, Kyee_27, Nyxis_27, Kratark_27, DirtyDunning_27, Huxley_27, Thanksgivukkah_27
- Track 207 : TiroTheta9_27
- Track 208 : Perplexer_27
- Track 209 : Rosa24_26, Tinybot_26
- Track 210 : AbbysRanger_27
- Track 211 : Happiness_27, Phighter1804_27, Iracema64_28, LochMonster_27
- Track 212 : PetiteSangsue_27
- Track 213 : Katalie136_27, Morpher26_27
- Track 214 : Shygu2_27
- Track 215 : Shaka_27
- Track 216 : SenorClean_26
- Track 217 : Pumbaa_27
- Track 218 : PeterPeter_27
- Track 219 : Camperdownii_26
- Track 220 : Commander_27
- Track 221 : Stink_28
- Track 222 : Miramae_27
- Track 223 : Cindaradix_26
- Track 224 : Mundrea_27
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- Track 226 : LeoAvram_27
- Track 227 : Bumblebee11_27
- Track 228 : TroyPia_27
- Track 229 : Noelle_27
- Track 230 : AvatarAhPeg_28
- Track 231 : Eurydice_27
- Track 232 : Tarynearal_23, Bonamassa_24, Milcery_24
- Track 233 : Micasa_24
- Track 234 : Theia_22
- Track 235 : George_23, LittleCherry_24
- Track 236 : PetterN_25
- Track 237 : Chadwick_25, Naca_24, Scorpia_25, Benedict_24
- Track 238 : ForGetIt_24, Conspiracy_24, Archetta_24, Jovo_24, Bluefalcon_23
- Track 239 : Phlorence_24, Lev2_24, Aragog_24, AgentM_24, Discoknowium_24
- Track 240 : HuhtaEnerson15_24
- Track 241 : Jabiru_24
- Track 242 : Swirley_24
- Track 243 : Ghoulboy_24, Zolita_23, SydNat_24

- Track 244 : UnionJack_24
- Track 245 : Midas2_24, Coog_24
- Track 246 : PickleBack_24
- Track 247 : EITiger69_24
- Track 248 : Tiger_24
- Track 249 : Airmid_24
- Track 250 : Cuco_24
- Track 251 : Twigg_24
- Track 252 : Dublin_23
- Track 253 : MarysWell_23
- Track 254 : CloudWang3_31
- Track 255 : GreedyLawyer_31, Kazan_31, VohminGhazi_31, EricB_31, Kipper29_31, Chartreuse_31, DaVinci_31, Neeharika16_31, McFly_31, Cookiedough_31, Hoot_31, SuperCallie99_31, SuperAwesome_31, Pmask_31, Newrala_31
- Track 256 : Dorothea_31
- Track 257 : ToneTone_29, Artemis2UCLA_31, Jeffabunny_31, Blue7_31, Wiks_31, Koko_31, Lilbunny_31, Yokurt_31, Roksolana_31, Tucker_31, Zaka_31, Zulu_31, Hexamo_31, BlessJoy_31
- Track 258 : Priamo_31, Blinn1_31
- Track 259 : Indra_31, Garak_32, Helmet_32, Temprado_32
- Track 260 : Rifter_31
- Track 261 : SmellyB_31
- Track 262 : BABullseye_31
- Track 263 : Gruunaga_31, WunderPhul_31, Gladiator_31
- Track 264 : Candra_31
- Track 265 : JewelBug_31
- Track 266 : Hammer_31
- Track 267 : Isiphiwo_31
- Track 268 : Jordennis_31
- Track 269 : FlyCatcher_31, Sheen_29, Toro_30
- Track 270 : PP_37
- Track 271 : Timshel_28
- Track 272 : HINdeR_27
- Track 273 : DroogsArmy_28
- Track 274 : Stephig9_24, Dixon_24, Groundhog_23, Astro_24, Smeadley_24, NearlyHeadless_24, Danforth_23, Expelliarmus_23, Saintus_24, Roary_24
- Track 275 : Phillis_24
- Track 276 : Darrell_30
- Track 277 : Rahalelujah_27
- Track 278 : Spouty_30, Priya_30, EmyBug_30
- Track 279 : Tubs_30
- Track 280 : EdogawaKiddo_28, Pioneer_30, Fayely_30, Beemo_30, Onglai_29, RyeScarlet_31, Phonnegut_30, Lilleskat_28, Hanray_29, Ugenie5_27, Sachima_28, Jiawan_29, ExplosioNervosa_30, Scherzo_30
- Track 281 : Elephantoon_29
- Track 282 : LoneWolf_29
- Track 283 : Eidsmoe_30, Alma_30
- Track 284 : Myxus_30, HortumSL17_30, Aliter_30, PackMan_30, Phaeder_30
- Track 285 : Halex_29
- Track 286 : Charm_28
- Track 287 : Toaka_27
- Track 288 : Qobbit_30

- Track 289 : Keziacharles14_28
- Track 290 : DreamTeam1_28
- Track 291 : Conquerage_30
- Track 292 : SheaKeira_28
- Track 293 : Maminiaina_29, BogosyJay_29
- Track 294 : Vanisoa_27
- Track 295 : Yecey3_29
- Track 296 : Arissanae_28
- Track 297 : Muddy_21
- Track 298 : NoShow_18
- Track 299 : 8UZL_21
- Track 300 : JacoRen57_17
- Track 301 : Maco6_19
- Track 302 : FF47_21
- Track 303 : Nergal_22
- Track 304 : MalagasyRose_24
- Track 305 : JustASigh_18
- Track 306 : Weirdo19_19
- Track 307 : Yogi_23, Rasputin_23, Alpacados_22
- Track 308 : Dinger_23
- Track 309 : Bonanza_23
- Track 310 : Alatin_23, Phrankenstein_23, Bradshaw_23, Rhodalysa_23, TWAMP_23, Lillie_23, Erik_23, Espica_23, Naiad_23, Swann_23, Nancinator_23, CosmicSans_23, StCroix_23, Belenaria_23, UhSalsa_23, Natosaleda_23
- Track 311 : PhailMary_22
- Track 312 : Jester_23
- Track 313 : AppleCloud_21, Krishelle_23, Hiro_23
- Track 314 : Partridge_23, Shuman_23
- Track 315 : Gollum_23, RER2_16, RexFury_23
- Track 316 : Takoda_23, AngryOrchard_22
- Track 317 : Harlequin_23, Yoncess_23, Bryce_23
- Track 318 : RGL3_16
- Track 319 : Morrissey_19
- Track 320 : Mahdia_18
- Track 321 : Gustav_18
- Track 322 : Upyo_18
- Track 323 : Puppets_18
- Track 324 : Widow_18
- Track 325 : Trine_18
- Track 326 : Abscondus_47, Dusty_46, Norvs_49, Smoothie_49, Culver_48, Lozinak_48, Engineer_49
- Track 327 : Toniann_48, Aphelion_48, Geeche_47, PhinkBoden_48, Bachita_50, ClubL_48, Cucurbita_50
- Track 328 : Miskis_50
- Track 329 : WilliamBoone_48
- Track 330 : OneUp_42
- Track 331 : BrutonGaster_36
- Track 332 : Polyuyuki_45, Maselop_45, CoffeeBean_45, Braxoaddie_45
- Track 333 : Apiary_45
- Track 334 : GuyFagieri_45
- Track 335 : MacGully_50
- Track 336 : GTE5_32
- Track 337 : Dalilpop_46, Turuncu_45, GRU1_31

- Track 338 : Flapper_45
- Track 339 : Bonum_44, NosilaM_44
- Track 340 : Buggaboo_42, SuperSulley_42, Kabluna_44
- Track 341 : Foxboro_42, NovumRegina_41, GrootJr_43, Kurt_41, Phomeo_40, Jifall16_40, Emianna_41, Arti_41, NatB6_41, KidneyBean_41, Wheezy_41
- Track 342 : Outis_42, StarStruck_42
- Track 343 : Commandaria_43
- Track 344 : GTE8_30
- Track 345 : Tracker_41
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- Track 351 : Float294_43, Skysand_43
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- Track 358 : TinaLin_25, Banquo_26
- Track 359 : TZGordon_24
- Track 360 : Vendetta_22, Splinter_22
- Track 361 : Goib_23
- Track 362 : DinoDaryn_24, Huffy_24
- Track 363 : Gsput1_20
- Track 364 : Dardanus_24
- Track 365 : Schmidt_20
- Track 366 : Catfish_22
- Track 367 : KappaFarmDelta_19
- Track 368 : Malachai_20, Begonia_20
- Track 369 : Gambino_21, Blueberry_21, MissRona_21, Azula_21
- Track 370 : Guacamole_19, MintFen_19, Melba_19, Utz_19, BlingBling_19, Archis_20, Barco_19, JasperJr_19
- Track 371 : Wisp_18, Jalammah_21, ZiggyZoo_18, Lysidious_20, Obliviate_18, Samba_19
- Track 372 : PCoral7_19, Toast_19
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- Track 374 : Pipp_19
- Track 375 : CarolAnn_19, Blino_19
- Track 376 : Petra_21
- Track 377 : UmaThurman_19, CaptainKirk2_19, Delian_19
- Track 378 : Walrus_20
- Track 379 : Mellie_18
- Track 380 : Hitter_19
- Track 381 : JuJu_19
- Track 382 : Fairfaxidum_19
- Track 383 : PrincePatrick_19
- Track 384 : Wocket_20
- Track 385 : William_19
- Track 386 : PhrostedPhlake_20
- Track 387 : Frokostdame_19

- Track 388 : Zarbodnamra_19
- Track 389 : Fenry_18
- Track 390 : Pepperoni_17, OneDirection_17, Lton_17
- Track 391 : Bunnybear_18
- Track 392 : TimTam_19, BatStarr_19, Eviarto_19, Nymphadora_19, Bosnia_19
- Track 393 : Kita_19, Suscepit_19, Eudoria_19, Maridalia_18, Manasvini_19, Polly_19, Trumpet_19, Zameen_19, Antonio_19, Neobush_19, Tayonia_19
- Track 394 : WelcomeAyanna_18, ThankyouJordi_18
- Track 395 : Agueybana_19
- Track 396 : Hugley_19, Herod_19
- Track 397 : Madeline_19
- Track 398 : Hyzer_19
- Track 399 : Bialota_19, Ohgeesy_19, Zirinka_19
- Track 400 : FroggyToad_17
- Track 401 : Whiteclaw_17, Savage_17, GemG_17, Mocha12_17, Clap_17, Gizermo_17, TuertoX_17, Cynthia_17, Sproutie_17, Haley23_17, Ebert_17
- Track 402 : EdnaMode_17, Lamberg_17
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- Track 404 : Attis_17, LordFarquaad_17, SoilAssassin_17, Yeet412_17, Bjanes7_17
- Track 405 : Matteo_17
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- Track 407 : Nettuno_17
- Track 408 : JCole_17, Pickett_17
- Track 409 : BaxterFox_18, BoyNamedSue_19, PantheRoc_19, AlumE_19, Yeezy_20
- Track 410 : PhriskyACE_19, Dorito_19
- Track 411 : Beenie_20, MichaelScott_20, WinkNick_20, Samman98_20, Dolores_20, Suerte_18, Clark_20
- Track 412 : Hortense_20, Twinkle_20, Adora_20, Shlim410_20, Howe_20
- Track 413 : Thimann_20, Easley_20, Mcklovin_20, Oregano_20
- Track 414 : Invectra_21
- Track 415 : DobbysSock_19, Annalisa_20
- Track 416 : Sekhmet_20
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- Track 418 : Denise_17
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- Track 436 : Chickadee_32, Tiamoceli_33, GTE6_32

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- Track 442 : Scioto_35, Abblin_35, Natkenzie_35
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- Track 446 : Zitch_36
- Track 447 : Lilbeanie_30
- Track 448 : Morkie_18, PhorbesPhlower_18
- Track 449 : DelRio_23, WheatThin_22, Mulch_22, Nadeem_22, Parada_22, Brylie_22, BetterKatz_22
- Track 450 : Hamood_22, Chop_22, Ayotoya_22, GrandSlam_22
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- Track 452 : Pimento_23
- Track 453 : Francois_22
- Track 454 : Bock_22
- Track 455 : Phendrix_87
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- Track 462 : Daredevil_29
- Track 463 : BearBQ_19
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- Track 468 : Forza_101, BlueNGold_100, Mareelih_99, Boopy_101
- Track 469 : GMA2_30
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- Track 471 : Vordorf_22
- Track 472 : Dogfish_21
- Track 473 : Nyceirae_23
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- Track 475 : Meyran_21
- Track 476 : BabyMoney_21
- Track 477 : Phishy_22
- Track 478 : MakCheese_20
- Track 479 : Malibo_20
- Track 480 : Ruthy_19
- Track 481 : DumpsterDude_19
- Track 482 : ArchiDore_19
- Track 483 : Zodiariah_18
- Track 484 : Heinz_19
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- Track 486 : DonkeyMan_18, Tarzan_18
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- Track 488 : Jojo24_18, Santhid_18

- Track 489 : Terminus_24, Goldilocks_25, Command613_25, Myrale_24, ABCat_23, BadStone_23, Thresher_25, ChosenOne_23, Simpliphy_25, MISSy_23, NoSleep_25, Elph10_25, TeardropMSU_23, SirDuracell_23, 244_26, Holt_25, Lilizi_26, Cookies_24, Pharsalus_25, PhatBacter_24, AmericanBeauty_26, Elite2014_23, Lilac_26, Nimrod_24, Manda_25, Ukulele_24, OrionPax_25, GooberAzure_26, Kimchi_26, ShereKhan_26, StolenFromERC_26, Kanye_26, Gator_22, 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, BaboJay_23, Gemini_27, Stark_25, Moldemort_25, Phaux_23, Czyszczon1_25, CrystalP_24, MPhalcon_23, Goku_24, Argent26_26, ShamWow_24, MadamMonkfish_24, Balomoji_23, Miniwave_24, Tuco_25, Rimmer_23, Highbury_25, Hoonter_26, GoldenSpark_26
- Track 490 : Petra64142_26, YassJohnny_25, Marshmallow_24, Palpatine_24, HufflyPuff_23, Flypotenuse_22, FireRed_24, RiverMonster_24, Glexan_22, ChotaBhai_24, Daikon_22, BilboSwaggins_24, Gage_26, BugsBunny_22, Phaja_24, Murica_23, Mosby_23, Icee_23, Henry_24, Policronamos_24, Hopey_26, Sassay_23, Rakim_25, IHOP_24, Porky_24, Bask21_24, Harella_23, Amao_24, Bench_26, Maxxinista_25, Nala_24, Pumpkin_26, Toto_24, JeTaime_26, Murphy_25, Xandras_26, Youngblood_24, FairyPath_24, Easy2Say_26, Inca_23, Emmina_25, NelitzaMV_24, TBrady12_26, DoctorDiddles_24, Bruin_24, Willez_23, xkcd_25, Dumbo_24, Stank_27, Mindy_24
- Track 491 : Barbarian_23, Asriel_23
- Track 492 : Traaww1_22
- Track 493 : Cjw1_24
- Track 494 : PeteyPab_33, Kimchi1738_31, Cruella_31, PotatoChip_34, Zion_34, C3PO_31
- Track 495 : Darwin_34
- Track 496 : Stickynote_33
- Track 497 : SamW_17, Troy_17, Dina_17, Lederberg_17
- Track 498 : StAB_17, Stiles_17, Bran_17, Adelaide_17
- Track 499 : MulchSalad_16
- Track 500 : Rockne_16, PMC_16, Llij_16
- Track 501 : ShiLan_16, Burwell21_16, Martik_16, Zizzle_16, ShowerHandel_16, Yorick_16, Nivrat_16, Lizziana_16, Spikelee_17, Jarcob_16
- Track 502 : Zerg_16
- Track 503 : UncleRicky_17, Phatniss_17, Drago_17, SiSi_16, Karhdo_16, Lorde_17, Enby_17
- Track 504 : Batiatus_16
- Track 505 : 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, Brushbloom_18, Bobi_18, Pippy_16, Koella_16
- Track 506 : Maravista_16, Melissauren88_16, Fruitloop_16, EleanorGeorge_16, Leozinho_17
- Track 507 : Mozy_17
- Track 508 : Modragons_16, Ochi17_16, Jinglebell_15, Llama_16, OfUltron_16, Seabastian_16, AlpineSix_16
- Track 509 : Coco12_18

- Track 510 : Taj_16, DeadP_16
- Track 511 : Chuckly_16, Mova_17
- Track 512 : Blexus_16
- Track 513 : 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 514 : SimranZ1_17
- Track 515 : Aloeri_17, ChickenDinner_17, DocMcStuffins_17
- Track 516 : PHappiness_16, JoeyJr_16, DaddyRickover_16, Dorothy_16, Empress_17, Pacc40_16, Daenerys_16, BlueCrab_16, Nimbo_16
- Track 517 : ArcusAngelus_16, Chevrolet_16
- Track 518 : Quico_17, Girafales_17, Florinda_16
- Track 519 : Oksu_17
- Track 520 : Phalconet_16
- Track 521 : GigiOuiOui_16
- Track 522 : Hamulus_16
- Track 523 : Velveteen_17, Ardmore_16, BigPhil_17, Crumble_16, Cerasum_17, Phanphagia_16, Shauna1_16
- Track 524 : OldBen_16
- Track 525 : Spoonbill_16, Priscilla_16, OlympiaSaint_16, Cabrinians_16
- Track 526 : BodEinwohner17_16, Inventum_16, Sassafras_16, Deb65_16
- Track 527 : Gorge_16
- Track 528 : Misha28_17, TootsiePop_17, Awesomesauce_17
- Track 529 : Fastidio_16
- Track 530 : DirtMcgirt_17
- Track 531 : IrishSherpFalk_17, WillSterrel_17
- Track 532 : Frankie_17
- Track 533 : Akhila_17, MilanaBonita_17
- Track 534 : Filuzino_16, IMpilo_16
- Track 535 : Totinger_17, Vivum_16, Starcevich_17
- Track 536 : Gandalph_16
- Track 537 : Ibhubesi_16, Harley_16
- Track 538 : Boomer_17
- Track 539 : Rialto_18, LittleShirley_17
- Track 540 : NormanBulbieJr_16
- Track 541 : Donkeykong_16
- Track 542 : Mutaforma13_16
- Track 543 : DosHalletts_17
- Track 544 : Plumbus_17
- Track 545 : DoRead_16
- Track 546 : Poenanya_16, Stap_17, Ramsey_17, Doomphist_16
- Track 547 : DotProduct_16
- Track 548 : Girr_16, Veteran_16, GUmbe_16, Phasih_17, MisterCuddles_16, Ruby_16
- Track 549 : Leperchaun_16, RitaG_16
- Track 550 : Juice456_18, Kimberlium_18, QuickMath_17, MulchExplorer_19
- Track 551 : DillTech15_16
- Track 552 : FreddyB_16
- Track 553 : Piper2020_17
- Track 554 : Sarma624_17
- Track 555 : Marker_17, Cornucopia_17
- Track 556 : Rita_16
- Track 557 : Aubs_16

- Track 558 : Scottish_17, KingMidas_17
- Track 559 : ByChance_16
- Track 560 : Madiba_17
- Track 561 : VRedHorse_16
- Track 562 : Doug_17
- Track 563 : RedBird_16
- Track 564 : Firehouse51_17
- Track 565 : Radiance_16, Tootsieroll_17
- Track 566 : Job42_19
- Track 567 : Alexphander_18
- Track 568 : Minnie_17
- Track 569 : Che8_16
- Track 570 : PopTart_16, SassyB_16
- Track 571 : Byougenkin_16
- Track 572 : Ogopogo_19
- Track 573 : Eish_16
- Track 574 : RockyHorror_17
- Track 575 : Polka14_17
- Track 576 : Juniper1_16
- Track 577 : Beakin_17
- Track 578 : Estave1_16
- Track 579 : Latretium_17
- Track 580 : CaptainTrips_17
- Track 581 : Kenuha5_16, SuperGrey_17
- Track 582 : OwlsT2W_18
- Track 583 : Nitzel_17
- Track 584 : IbOuu_16
- Track 585 : XFactor_16
- Track 586 : Fancypants_16
- Track 587 : ShroomBoi_16
- Track 588 : Whouxphf_16
- Track 589 : Mahavrat_16
- Track 590 : Grimmer_17
- Track 591 : Seagreen_17
- Track 592 : BuzzLyseyear_18
- Track 593 : Bipolar_16
- Track 594 : Squirty_17
- Track 595 : LunaStella_18
- Track 596 : TChen_17
- Track 597 : PinkYoshi_18, AzulaCat_18, Maliketh_18, Cherrybomb426_18, CLED96_18, Wendigo_18, Jonghyun_18, Sizemore_18, Hotshotbaby7_18, BQuat_18, Chance64_18, Kasen3_18, Frosty24_18, Olga_18, Camri_18, TinaBug_18, DNAIII_0018, Remy19_18, Sweets_18, Phish_18
- Track 598 : Jolene_18, Periodt_18, Hope_18, Plagueis_18, Aroostook_18, Angel_18, Kareem_18, Halo_18, OctaviousRex_18, Avrafan_18, Cedasite_18, ZoMa_18, Coleslaw_18, Darionha_18, Crespo_18, Annihilator_18, Phreak_18, GoldenAsh_18, CassieYates_18, TomBrady_18, Schiebel_18, Marmie_18, Renaissance_18, DMoney_18, Mowgli_18, BruceB_18, ECartman_18, Gideon_18, BPs_18, LouisV14_18, Gomashi_18, Zombie_18, JorRay_18, ShaboiShabazz_18
- Track 599 : Peeb_18, Liefie_18
- Track 600 : Jane_18
- Track 601 : Sneeze_18
- Track 602 : Terror_18, Taheera_18

- Track 603 : Rabbs_18
- Track 604 : Barkley26_18
- Track 605 : Paito_18
- Track 606 : Grizzly_18
- Track 607 : Avocado_18, Cambiare_19
- Track 608 : Pace1224_18
- Track 609 : FlagStaff_18
- Track 610 : Pinnie_19
- Track 611 : Jolie2_18
- Track 612 : Mercurio_20
- Track 613 : Lemuria_19
- Track 614 : Antsirabe_18
- Track 615 : Stargaze_18
- Track 616 : QueenHazel_19
- Track 617 : Brujita_19, Island3_19
- Track 618 : Babsiella_19
- Track 619 : Xula_18, HC_19
- Track 620 : Kalah2_37
- Track 621 : ThreeRngTarjay_35
- Track 622 : Bombitas_33, Schatzie_34, Hughesyang_35, Dove_34, Odette_36
- Track 623 : BAKA_34, Phoebus_36, Redno2_35
- Track 624 : Squint_33, Porcelain_33, Ariel_34, MiaZeal_34, Courthouse_34
- Track 625 : Omega_36
- Track 626 : Bobby_38, Ejimix_37, Wanda_37, DmpstrDiver_35
- Track 627 : Gonephishing_32
- Track 628 : Hannaconda_31, LittleE_37, KashFlow_28
- Track 629 : Superphikiman_34
- Track 630 : Lucky2013_34
- Track 631 : Constella_31
- Track 632 : Optimus_35
- Track 633 : Thibault_33
- Track 634 : Zelink_38
- Track 635 : Minerva_37, Klein_37
- Track 636 : Durfee_23, MeaningOfLife_23, AlishaPH_23, Boiiii_23, Peel_23, Twitch_23, BaghaKamala_23, Capricorn_23, Hyperbowlee_23, Jarvi_23, Dalmuri_23, Jeckyll_23, Ramen_23, CheetoDust_23, Asayake_23, CaseJules_23, BarrelRoll_23, Apocalypse_23, Padpat_23, Blizzard_23, Rosmarinus_23, Sulley_23, CallaLilly_24, YoureAdopted_22, Belladonna_23, Emerson_23, JAWS_23, BEEST_23, Spock_23, Lunahalos_23, Piatt_23, Joy99_23, Inky_23, BGIluviae_23, Padfoot_23, Angelica_23, Deby_23, Llorens_23, Tiri_23, Topper_23, CREW_23, Homura_23, ShiaSurprise_23
- Track 637 : MarkPhew_23
- Track 638 : Zavala_23, Mynx_23
- Track 639 : Anaya_24
- Track 640 : Illumine_23, Dole_23, Devera_23
- Track 641 : Richo_23, Dartin_23, Niklas_23, McMater_23
- Track 642 : Nikao_19, Amelie_19, Binglebops_19, Torres_19, Mdavu_19, LilPharaoh_19, Nutello_19, SgtBeansprout_19, Enkosi_19
- Track 643 : TiniBug_23
- Track 644 : Rapunzel97_23, Adephagia_23, Veliki_23, Tachez_23, Zabiza_23, TruffulaTree_23, HedwigODU_23, ActinUp_23, Atiba_23, Jayhawk_23, Slimphazie_23
- Track 645 : LeMond_22, Scarlett_22
- Track 646 : TingHuaYa_23

- Track 647 : Bella96_23
- Track 648 : Geraldini_23, QuincyRose_22, Ganymede_24, Beezoo_23, Adonis_23
- Track 649 : Efra2_23
- Track 650 : Validus_23
- Track 651 : Clipper_25, MacKat_24
- Track 652 : LaterM_23, Stinson_23
- Track 653 : Shaobing_23, Peanam_23
- Track 654 : Chris_22
- Track 655 : Nibb_22
- Track 656 : Guanica15_23, Yunkel11_23
- Track 657 : Prithvi_23, Megsy_23, TaiwanKao_24, TreyKay_23, LindNT_23, CrimD_23
- Track 658 : DrHayes_23, SamuelLPlaqson_23, Urkel_23
- Track 659 : LastHope_23
- Track 660 : Murucutumbu_23
- Track 661 : Bern_25
- Track 662 : KiSi_22
- Track 663 : Oscar_22
- Track 664 : Pokerus_22
- Track 665 : Curiosium_24
- Track 666 : Ageofdapage_23
- Track 667 : Findley_19, Strobilo_19
- Track 668 : BoostSeason_19
- Track 669 : DismalStressor_19, DismalFunk_19, Marcoliusprime_19
- Track 670 : TM4_19
- Track 671 : Milly_19
- Track 672 : Mufasa_19
- Track 673 : ZoeJ_19
- Track 674 : TBond007_22, Pixie_22
- Track 675 : Keshu_22
- Track 676 : TribbleTrouble_21
- Track 677 : MacnCheese_23
- Track 678 : Pharb_22
- Track 679 : Hurricane_22
- Track 680 : ShedlockHolmes_22
- Track 681 : Fionnbharth_24
- Track 682 : Mitti_24, OmniCritical_24, Cheetobro_24, SamScheppers_22, Slarp_24, Chancellor_24
- Track 683 : Juliette_24
- Track 684 : JF1_24, Kraw_25, Wintermute_24, Malthus_25
- Track 685 : Reptar3000_24
- Track 686 : Patt_24
- Track 687 : Y10_24, Y2_24
- Track 688 : Taquito_22
- Track 689 : MissDaisy_24
- Track 690 : Eponine_24, Ruthiejr_23
- Track 691 : Leston_21
- Track 692 : ViviJ_20, Agent47_21, InvictusManeo_21, Kratio_20, Collard_21
- Track 693 : Feyre_21, Guillsminger_21, Waterfoul_21, Paola_21
- Track 694 : OkiRoe_21
- Track 695 : Miryou_21, Thyatira_21
- Track 696 : Gengar_21
- Track 697 : Heftyboy_21, SoSeph_21

- Track 698 : Amohnition_22
- Track 699 : Phrank_22, Tierra_22
- Track 700 : Ekdilam_20
- Track 701 : Bryler_22, Cain_22
- Track 702 : Unicorn_22, PhelpsODU_22
- Track 703 : Ximenita_23
- Track 704 : November_22
- Track 705 : Marshawn_24
- Track 706 : Syra333_22
- Track 707 : Sunflower1121_21
- Track 708 : SirPhilip_22
- Track 709 : Yuna_24
- Track 710 : Shadow1_21
- Track 711 : Krueger_22
- Track 712 : Hammy_22
- Track 713 : DarthP_22
- Track 714 : TClif_22
- Track 715 : Ellie_20
- Track 716 : Fefferhead_22
- Track 717 : Amgine_21
- Track 718 : Aminay_21
- Track 719 : Boilgate_20
- Track 720 : Journey_18, Gex_18, Scitech_18, EGUnicorn_19, Charlie_18, Magsby_18, Duplicity_18, Philonius_18, Schnauzer_18, Tapioca_18, Chewbacca_18, Melville_18, Silvy_18, Xerxes_18, Parmesanjohn_18, Silvafighter_18, Phloss_18, Smurph_18, Bosection6_18, Fulbright_18, Carcharodon_18, Pipsqueaks_18, Aggie_18
- Track 721 : Jamie19_18, Phrann_18, ShrimpFriedEgg_18, Snekmaggedon_18, Shweta_18, Nenae_18, BabeRuth_18, Redi_18, Panchino_18, Rebel_18, PhancyPhin_18, Purgamenstris_18, Hanako_18, SkinnyPete_18, SpongeBob_18
- Track 722 : Kevin1_18, Rubeelu_18, Butters_18
- Track 723 : MichelleMyBell_18
- Track 724 : Raymond7_18
- Track 725 : Andies_18
- Track 726 : Xeno_18
- Track 727 : Corndog_59, Firecracker_57, Ryadel_60, JangDynasty_56, Schuy_57, MadKillah_57, Winget_57, Vagabond_56, YungJamal_61, NiebruSaylor_55, Alkhayr_54, Familton_57, Bora_54, Krili_55, SchoolBus_56, Vorrps_56, Mori_56, Shida_56, Ashwin_58, Blessica_57, FoulBall_56
- Track 728 : TelAviv_53, Catdawg_56, Idergollasper_56, Zebo_55
- Track 729 : Smooch_59
- Track 730 : Zakhe101_56, Dylan_56
- Track 731 : Wildflower_56
- Track 732 : Murai_57
- Track 733 : 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 734 : Mangethe_19, Phegasus_19, Majeke_19
- Track 735 : Megiddo_19, KilKor_19, CactusJack_19, Gavriela_19, StressBall_19, Phalm_19, Glaske_19

- Track 736 : Polkaroo_19
- Track 737 : GreaseLightnin_19, Bogie_18
- Track 738 : Arib1_19
- Track 739 : Jung_19
- Track 740 : Tortellini_18
- Track 741 : Xavia_19
- Track 742 : Nazo_18
- Track 743 : BigNuz_18
- Track 744 : ThulaThula_18
- Track 745 : Phayonce_18
- Track 746 : Purky_18
- Track 747 : 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 748 : Gravaillia_22
- Track 749 : Gancho_21
- Track 750 : Gaia_16, Nebkiss_17
- Track 751 : Cracklewink_24, Bipper_24
- Track 752 : Hilltopfarm_24, AuntGwenStacy_24, Typha_24
- Track 753 : 32HC_26
- Track 754 : Rem711_25
- Track 755 : TPA4_19
- Track 756 : Whack_18
- Track 757 : MooMoo_16
- Track 758 : TinyDot_19
- Track 759 : P1201_47
- Track 760 : Jace_17
- Track 761 : ChewyVIII_56
- Track 762 : Eyre_17
- Track 763 : GMA1_19
- Track 764 : Sleepyhead_18
- Track 765 : Finkle_19
- Track 766 : Gudmit_18
- Track 767 : REQ2_20
- Track 768 : GAL1_20
- Track 769 : GMA4_18
- Track 770 : P3MA_19
- Track 771 : Mbo4_17

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

The start number called the most often in the published annotations is 108, it was called in 545 of the 1874 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, Adzzy_29, Agape74_30, AgentM_24, Aglet_29, AgronaGT15_29, Airmid_24, Albee_27, Alberto7_28, Anaysia_30, Aneem_28, AnnaL29_31, Annyong_27, Anon_28, Anselm_28,

Anthony_27, Anubis_31, Aragog_24, ArcherNM_30, Archetta_24, Arissanae_28, Artemis2UCLA_31, Arturo_26, Astro_24, AugsMagnumOpus_31, AvatarAhPeg_28, Avle17_27, B1_25, BABullseye_31, Baby16_27, BabyJohn_26, BabyRay_27, Bachome_28, Backyardigan_27, Bactobuster_29, Badger_27, Baehexic_29, BangNhom_27, Bartimeaus_27, Battleship_31, BearBQ_19, Beauxregard13_29, Beemo_30, BellusTerra_27, Benedict_24, BengiVuitton_29, Benvolio_28, BiancaTri92_30, Birdsong_19, Blackmoor_27, BlessJoy_31, Blinn1_31, Blue7_31, BlueBird_28, Bluefalcon_23, BogosyJay_29, Bombshell_27, Bonamassa_24, Boohoo_30, Bowtie_28, Bradman_27, BreSam8_29, Broseidon_27, Bruiser_26, BubbleTrouble_27, Bud_28, Bugatti_27, Buggy_30, Bumblebee11_27, Burger_26, BuzzBuzz_28, Bxz2_28, C3_26, CRB1_28, Caelakin_27, Calvinny_30, Camperdownii_26, Candra_31, Caraxes_27, Caviar_28, Centaur_30, CentreCat_27, Cerulean_28, Chadwick_25, ChampagnePapi_28, Changeling_30, Chaph_27, Chargerpower_29, Charm_28, Chartreuse_31, Che12_30, ChipMunk_30, Chiqui_26, Chupacabra_27, Cici_27, Cintron_27, Citius_27, Clarenza_27, Cocoaberry_27, Colbster_29, Commander_27, Connomayer_27, Conquerage_30, Conspiracy_24, Coog_24, Cookiedough_31, Crucio_28, Cuco_24, Cullens_29, D29_28, D32_31, DBQu4n_31, DaHudson_29, DaVinci_31, Daishi_28, Dalmatian_28, Danforth_23, Darrell_30, DARTHPhader_29, Datway_27, Deano_27, Deloris_29, Dhanush_27, Dieselweasel_29, Dignity_30, DirtyDunning_27, Discoknowium_24, Dixon_24, DontArgue_26, Dorothea_31, Drake55_30, Drake94_26, DreamTeam1_28, DroogsArmy_28, DropBear_27, Druantia_27, Dublin_23, DudeLittle_28, Duplo_31, DustyMartin_31, EZMoney23_32, EagleEye_30, Eagle_26, Eaglepride_28, Eapen_27, Ebony_28, Echild_28, Ecliptus_24, Edison31_27, EdogawaKiddo_28, EITiger69_24, Elephantoon_29, EmyBug_30, EpicPhail_29, 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, Fernando_29, Fibonacci_28, FiringLine_28, First_0028, Flare16_28, Flaverint_28, Florean_27, Flux_27, FlyCatcher_31, ForGetIt_24, Fred313_27, Funston_27, Gadost_27, Gail_28, Garak_32, GaugeLDP_30, Gemma_29, George_23, Georgie2_29, Ghoulyboy_24, 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, HINdeR_27, HamSlice_26, Hammer_31, Hanray_29, Happiness_27, HarryHoudini_30, HashRod_30, HaveUMetTed_30, Heathen_27, Heffalump_30, HelDan_27, Heliosoles_29, Helmet_32, Herbertwm_25, Hercules11_29, Hexamo_31, Holey_29, Holli_27, Hookmount_28, Hoot_31, Houdini22_27, HuhtaEnerson15_24, Hutc2_28, Huxley_27, ICleared_27, Iceman_28, Idleandcovert_27, Indra_31, Insomnia_28, Iracema64_28, IronMan_30, Isca_27, Isiphiwo_31, Iwokeuplikedis_29, JF2_27, JF4_27, JHC117_29, JSwag_30, Jaan_31, Jabiru_24, Jabith_28, Jaykayelowell_27, Jeeves_28, Jeffabunny_31, JenCasNa_29, JeppNRM_30, Jerm_30, JetBlade_27, JewelBug_31, Jiawan_29, Jobu08_29, JoongJeon_27, Joselito_28, JoshKayV_30, Journey13_26, Jovo_24, Jsquared_27, KADY_30, KFPoly_27, Kachowdy_27, Kalb97_30, Kalnoky_30, Kampy_27, Katalie136_27, KatherineG_30, Kazan_31, Kerberos_31, Keziacharles14_28, Kimona_24, KingCyrus_30, Kingmustik0402_27, Kinmap_29, Kipper29_31, KittenMittens_26, Koan_26, Koduck_28, Koko_31, Koreni_26, Kratak_27, Kremtemulon_27, Kristoff_28, Kuwabara_19, Kyee_27, L5_28, LBerry_29, LHTSCC_28, LadyBird_28, Lambert1_28, Landor_29, LappelDuVide_27, Larenn_29, LarryKay_29, LastResort_30, Lemur_27, LeoAvram_27, Leogania_30, Lev2_24, Leviathan_30, LilTurb_30, Lilbunny_31, Lilith_29, Lilleskat_28, LittleB_27, LittleCherry_24, LittleGuy_27, LochMonster_27, LoneWolf_29, Looper_31, Lorenzo_27, Loser_31, Louie6_29, Luchador_30, Lucivia_28, Lucyedi_29, LugYA_31, Lunsford_28, MA5_27, MK4_27, MaCh_28,

Mabel_28, MadMarie_29, Mainiac_29, MajorMajor_27, Malec_29, Malinsilva_31, Maminiaina_29, Manu_30, MarQuardt_29, Marchesa_27, Margo_28, Marie_29, Marius_30, Maverick_27, Maxo_27, Mazhar510_27, McFly_31, Medusa_27, MeeZee_27, Melvin_27, Methuselah_28, Micasa_24, Microwolf_29, MiculUcigas_28, Midas2_24, Miko_31, Milcery_24, Millski_26, MinecraftSteve_31, Misomonster_31, MissWhite_28, MoneyMay_29, Morkie_18, Morpher26_27, Morrow_27, MortyNRick_19, MuchMore_31, Mulciber_28, Munch_28, Mundrea_27, NaSiaTalie_28, Naca_24, Naji_31, NearlyHeadless_24, Nebs_27, Nebulosus_30, Nedarya_29, Neeharika16_31, Nemo27_27, Newrala_31, NicoleTera_32, Noella_28, Norbert_27, NorthStar_27, NotAPhaseMom_27, NothingSpecial_30, Nyxis_27, ODay_25, OKCentral2016_27, OKaNui_28, Obama12_28, Odin_27, Ohfah_27, OlanP_29, Ollie_29, Onglai_29, Oofda_31, Orange_28, P28Green_29, PGHhamlin_31, PP_37, PainterBoy_29, Palestino_26, Panamaxus_27, Pawn_29, PeaceMeal1_26, Peaches_27, Pembroke_29, Penny1_29, Perplexer_27, PeterPeter_27, Petersenfast_27, PetiteSangsue_27, PetterN_25, Ph8s_29, Phacado_27, Phaded_31, Phantastic_27, Pharaoh_28, Phelipe_27, Phighter1804_27, Phillis_24, PhishRPhriends_28, Phlei_23, Phlorence_24, Phoebe_29, Phonnegut_30, Phontbonne_27, PhorbesPhlower_18, Phoxy_29, Phranny_30, PickleBack_24, Pioneer_30, Pipcraft_27, Piro94_29, Pistachio_28, Pmask_31, Pocahontas_28, Polymorphads_27, Pomar16_31, Poompha_26, Popcicle_28, PotatoSplit_30, Power_28, Priamo_31, Priya_30, Pukovnik_30, Pumbaa_27, Puppy_28, PurpleHaze_29, QueenB2_28, QueenBeesly_28, QuinnKiro_27, Quokka_26, Rachaly_31, Rahalelujah_27, 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, Rosa24_26, Rosalind_30, Rowdy_31, Ruin_27, Rummer_29, RyeScarlet_31, Sabertooth_27, Sabia_29, Sabinator_29, Sachima_28, Saintus_24, Salz_28, SaturnRing_27, Scamp_27, Scherzo_30, Scorpia_25, Scout_27, SemperFi_30, SenorClean_26, Serenity_27, Severus_26, Shaka_27, Sham4_28, Shapes_31, ShayRa_31, SheaKeira_28, Sheen_29, SheldonCooper_28, Shygu2_27, Skipitt_27, Sknot_29, 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, Spouty_30, Stagni_29, StarStuff_31, Stasia_28, Steamy_29, Stephig9_24, Stink_28, Strosahl_30, Sunhee_27, SuperAwesome_31, SuperCallie99_31, Superchunk_27, SweetiePie_28, Swirley_24, Switzerland_30, SydNat_24, TNguyen7_27, Taquarus_27, TarsusIV_28, Tarynearal_23, Taurus_29, Temprado_32, Texage_27, Thanksgivukkah_27, Theia_22, Tiffany_29, Tiger_24, Timothy_28, Timshel_28, TinaFeyge_27, TinyPebbles_29, TinyTimmy_28, Tinybot_26, TipsytheTRex_27, TiroTheta9_27, Toaka_27, Todacoro_28, Tomathan_31, ToneTone_29, Topanga_27, Toro_30, Travvers_31, Trike_25, Trixie_31, Trooper_28, TroyPia_27, Tubs_30, Tucker_31, Turbido_30, Twigg_24, Twister_27, TygerBlood_27, Ugenie5_27, Ulysses_26, UnionJack_24, Updawg_30, VA6_28, VC3_31, Vanisoa_27, Veracruz_27, Vix_29, VohminGhazi_31, Waits_30, WalterMcMickey_27, Wander_27, Warrior24_31, Watson_29, Whabigail7_30, WideWale_30, Wiks_31, Wilbur_27, Wile_27, Wizard007_27, Wooldri_31, WunderPhul_31, Xena_27, Yecey3_29, YoSam321_27, Yokurt_31, Zaka_31, Zetzy_28, Zimmer_30, Zolita_23, Zulu_31,

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

- Aliter_30, Alma_30, BabyBack_30, BobSwaget_31, Cindaradix_26, CloudWang3_31, Colin_32, DekHockey33_30, Eidsmoe_30, HortumSL17_30, Jordennis_31, Kalpine_31, Lokk_31, MarysWell_23, Miramae_27, Myxus_30, Noelle_27, PackMan_30, Paphu_26, Phaeder_30, Qobbit_30, Sixama_99,

StepMih_29, SwirlSquare_30, WeiHuaDA_34, XianYue_28,

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, ActinUp_23, Adahisdi_28, Adelaide_17, Adephagia_23, Adnama_27, Adonis_23, Adora_20, Aeneas_29, Agaliana_28, Agent47_21, Ageofdapage_23, Aggie_18, Agueybana_19, Ajay_28, Akhila_17, Alatin_23, Alexphander_18, Ali17_31, AlishaPH_23, Alkhayr_54, Aloeri_17, Alpacados_22, AlpineSix_16, Alsfro_31, Altman_29, AlumE_19, Alvin_28, Amao_24, Amelie_19, AmericanBeauty_26, Amgine_21, Aminay_21, Amochick_22, Amohntion_22, Amymech_22, Anaya_24, Andies_18, Angel_18, Angelica_23, Anglerfish_28, AngryOrchard_22, Annalisa_20, Annihilator_18, Antonio_19, Antsirabe_18, Aphelion_48, Apiary_45, Apocalypse_23, AppleCloud_21, Applejack_27, Arcanine_28, ArchiDore_19, Archimedes_16, Archis_20, ArcusAngelus_16, Ardmore_16, Argent26_26, Arib1_19, Ariel_34, Arlo_26, Aroostook_18, Arti_41, Asayake_23, Ashballer_27, Ashwin_58, Asriel_23, Atcoo_19, Atiba_23, Atkinbua_29, Attis_17, Aubs_16, AuntGwenStacy_24, Avocado_18, Avrafan_18, Awesomesauce_17, Ayotoya_22, AzulaCat_18, Azula_21, BAKA_34, BEEST_23, BGIlluviae_23, BK1_25, BPBiabs31_28, BPs_18, BQuat_18, BabeRuth_18, BaboJay_23, Babsiella_19, BabyMoney_21, Bachita_50, BaconJack_29, BadStone_23, BaghaKamala_23, Balomoji_23, Banquo_26, Bantam_30, Barbarian_23, Barco_19, Barkley26_18, BarrelRoll_23, Barriga_27, Bartholomew_19, Bask21_24, BatStarr_19, Batiatus_16, BaxterFox_18, Beakin_17, Beatrix_27, Beenie_20, BeesKnees_28, Beezoo_23, Begonia_20, Belenaria_23, Bella96_23, Belladonna_23, Belphegor_33, Bench_26, Bern_25, Bethlehem_27, BetterKatz_22, Bexan_26, BiPauneto_44, Bialota_19, Big3_27, BigBubba_25, BigMau_29, BigNuz_18, BigPaolini_28, BigPhil_17, Bigfoot_26, Biglebops_19, BilboSwaggins_24, BillKnuckles_28, Bipolar_16, Bipper_24, Bircsak_27, Bjanes7_17, Blessica_57, Blexus_16, BlingBling_19, Blino_19, Blizzard_23, BluSpix_27, BlueCrab_16, BlueNGold_100, Blue_27, Blueberry_21, Bob3_26, BobaPhett_16, Bobby_38, Bobi_18, Bock_22, BodEinwohner17_16, Bogie_18, Boiii_23, Boilgate_20, Bombitas_33, Bonanza_23, Bones_27, Bonum_44, Boomer_17, Boopy_101, BoostSeason_19, Bora_54, Bosection6_18, Bosnia_19, BoyNamedSue_19, Bradshaw_23, Bran_17, Braxoaddie_45, Briton15_29, Brocalys_16, BruceB_18, Bruin_24, Brujita_19, Bruns_26, Brusacoram_19, Brushbloom_18, BrutonGaster_36, Bryce_23, Bryler_22, Brylie_22, Bubbles123_17, Buck_23, Buggaboo_42, BugsBunny_22, Bunnies_19, Bunnybear_18, Burton_28, Burwell21_16, Butters_18, Buttons_29, BuzzLyseyear_18, Bxb1_25, ByChance_16, Byougenkin_16, C3PO_31, CLED96_18, CREW_23, Cabrinians_16, CactusJack_19, CactusRose_26, Cactus_25, Cain_22, CallaLilly_24, Cambiare_19, Camri_18, Camster_19, Capricorn_23, CaptainKirk2_19, CaptainTrips_17, Carcharodon_18, Cardigan_47, Carlyle_29, CarolAnn_19, CaseJules_23, CassieYates_18, Catdawg_56, Catfish_22, Cedasite_18, Cerasum_17, Chanagan_26, Chance64_18, Chancellor_24, Charlie_18, Che8_16, CheetoDust_23, Cheetobro_24, Cherrybomb426_18, Chevrolet_16, Chewbacca_18, ChewyVIII_56, Chickadee_32, ChickenDinner_17, Chop_22, ChosenOne_23, ChotaBhai_24, Chris_22, Chuckly_16, Ciao_27, Cjw1_24, Clap_17, Clark_20, Clifton_16, Clipper_25, ClubL_48, Coco12_18, CoffeeBean_45, Coleslaw_18, Collard_21, Command613_25, Commandaria_43, ConceptII_29, Constella_31, Contagion_23, Cookies_24, Corndog_59, Cornucopia_17, Corvo_28, CosmicSans_23, Courthouse_34, Cracklewink_24, Crespo_18, CrimD_23, Crispicous1_26, Cruella_31, Crumble_16, CrystalP_24, Cucurbita_50, Cueyllyss_27, Culver_48, Curiosium_24, Cynthia_17, Czyszczon1_25, DD5_28, DLane_16, DMoney_18, DNAllI_0018, DRBy19_16,

DaWorst_18, DaddyRickover_16, Daegal_23, Daenerys_16, Daikon_22, Dalilpop_46, Dalmuri_23, Dante_16, Dardanus_24, Daredevil_29, Darionha_18, DarthP_22, Dartin_23, Darwin_34, DatBoi_31, DeadP_16, Deb65_16, Deby_23, DeepSoil15_22, DelRio_23, Delian_19, Delrey21_34, Denise_17, Devera_23, Dewey_22, Dexdert_33, Dexes_28, DillTech15_16, Dina_17, Dinger_23, DinoDaryn_24, DirtMcgirt_17, DismalFunk_19, DismalStressor_19, DmpstrDiver_35, DoRead_16, DobbysSock_19, DocMcStuffins_17, DoctorDiddles_24, DoctorFroggo_34, Dogfish_21, Dole_23, Dolores_20, DonkeyMan_18, Donkeykong_16, Donovan_19, Doom_28, Doomphist_16, Dorito_19, Dorothy_16, DosHalletts_17, DotProduct_16, Doug_17, Dove_34, DrDrey_25, DrFeelGood_26, DrHayes_23, Drago_17, DreamCatcher_30, Dreamboat_28, Dulcie_26, Dumbo_24, DumpsterDude_19, Duplicity_18, Durfee_23, Dusk_23, Dussy_28, Dusty_46, Dylan_56, Dynamix_28, Dynamo_19, ECartman_18, EGUnicorn_19, EMOore_31, Easley_20, Easy2Say_26, Ebert_17, EdmundFerry_31, EdnaMode_17, Edtherson_28, Efra2_23, Ein37_22, Eish_16, Ejimix_37, Ekdilam_20, EleanorGeorge_16, Elite2014_23, Ellie_20, Elph10_25, Emerson_23, Emianna_41, Emma_16, Emmina_25, Empress_17, Enby_17, Engineer_49, Enkosi_19, Ennea_47, Eponine_24, Eradicator_16, Erik_23, Espica_23, Espresso_27, Estave1_16, Eudoria_19, Euphoria_27, Eureka_24, Evanesce_22, Eviarto_19, Ewald_22, Eyeball_27, Eyre_17, FF47_21, Fairfaxidum_19, FairyPath_24, Faith5x5_17, Fajezeel_29, Familton_57, Fancypants_16, Fascinus_26, Fastidio_16, Fefferhead_22, Fenn_28, Fenry_18, Feyre_21, Filch_25, Filuzino_16, Findley_19, Finkle_19, Fionnbharth_24, FireRed_24, Firecracker_57, Firehouse51_17, FirstPlacePfu_19, Fishburne_19, FlagStaff_18, Flapper_45, Flathead_17, Float294_43, Florinda_16, Flypotenuse_22, Forge_22, Forsytheast_26, Forza_101, FoulBall_56, Foxboro_42, Francis47_27, Francois_22, Frankie_17, FreddyB_16, Frizzle_17, FroggyToad_17, Froghopper_28, Frokostdame_19, Frosty24_18, Fruitloop_16, Fulbright_18, Fury_50, Fushigi_28, GAL1_20, GMA1_19, GMA2_30, GMA4_18, GMonster_26, GRU1_31, GTE5_32, GTE6_32, GTE8_30, GUmbie_16, GageAP_29, Gage_26, Gaia_16, Galactic_16, Gambino_21, Gancho_21, Gandalf20_28, Gandolph_16, Ganymede_24, Gator_22, Gavriela_19, Geeche_47, GemG_17, Gemini_27, Gengar_21, Geraldini_23, Geralt_16, Gex_18, Ghobes_16, Gideon_18, GigiOuiOui_16, Giles_22, Girafales_17, Girr_16, Gizermo_17, Glaske_19, Glexan_22, GodonK_89, Goib_23, 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, Grimmer_17, Grizzly_18, GrootJr_43, Gsput1_20, Guacamole_19, Guanica15_23, Gudmit_18, Guillsminger_21, Gustav_18, GuyFagieri_45, Gwendoluna_29, Gyzzlar_29, HC_19, HH92_22, HUHilltop_19, Hades_16, Hadrien_22, Hail_22, Haley23_17, Halo_18, Hami1_29, Hammy_22, Hamood_22, Hamulus_16, HanKaySha_25, HanShotFirst_27, Hanako_18, Hannaconda_31, Hans_35, Harella_23, Harlequin_23, Harley_16, HarryOW_28, HedwigODU_23, 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, Homura_23, Hoonter_26, Hope4ever_27, Hope_18, Hopey_26, Hortense_20, Hotshotbaby7_18, Howe_20, HubbaBubba_40, HufflyPuff_23, Huffy_24, Hughesyang_35, Hugley_19, Hurricane_22, Hyperbowlee_23, Hyzer_19, IDyn_42, IHOP_24, ILeeKay_29, IMpilo_16, IbOuu_16, Ibhubesi_16, Icee_23, Ichabod_28, Idergollasper_56, IgnatiusPatJac_26, Illumine_23, Inca_23, Inky_23, Inspectinfecti_34, Invectra_21, Inventum_16, InvictusManeo_21, Inyanga_26, IrishSherpFalk_17, Island3_19, JAWS_23, JC27_29, JCole_17, JF1_24, Jace_17, JackSparrow_28, JacoRen57_17, JalFarm20_18, Jalammah_21, James_16, Jamie19_18, Jane_18, JangDynasty_56, Jarcob_16, Jarvi_23, JasperJr_19,

Jasper_28, Jayhawk_23, JeTaime_26, Jebeks_19, Jeckyll_23, Jerm2_28, Jester_23, Jifall16_40, Jinglebell_15, Job42_19, JoeyJr_16, Jojo24_18, Jolene_18, Jolie2_18, JonJames_47, Jonghyun_18, JorRay_18, Jorgensen_27, Journey_18, Joy99_23, JuJu_19, Juice456_18, JuliaChild_29, Juliette_24, Jung_19, Juniormint_19, Juniper1_16, JustASigh_18, KBG_28, KSSJEB_27, Kabluna_44, Kalah2_37, Kanely_28, Kanye_26, KappaFarmDelta_19, Kareem_18, Karhdo_16, Kari_19, Kasen3_18, KashFlow_28, Kenmech_30, Kenuha5_16, Keshu_22, Kevin1_18, KiSi_22, KidneyBean_41, KilKor_19, Killigrew_25, Kimberlium_18, Kimchi1738_31, Kimchi_26, Kinbote_22, KingMidas_17, Kingsley_17, Kita_19, Klein_37, Koella_16, Kostya_24, Krakatau_17, Kratio_20, Kraw_25, Krili_55, Krishelle_23, KristaRAM_17, Krueger_22, Ksquared_19, Kugel_28, Kurt_41, Kwekel_32, KyMonks1A_29, Kykar_25, Lamberg_17, Lamina13_27, Langerak_19, LastHope_23, LastJedi_16, LaterM_23, Latretium_17, LeMond_22, Lederberg_17, Lemuria_19, Leonard_33, Leozinho_17, Leperchaun_16, Lesedi_26, Leston_21, Licorice_29, Liefie_18, LilBib_28, LilHazelnut_22, LilMoolah_16, LilPharaoh_19, Lilac_26, Lilbeanie_30, Lilizi_26, Lillie_23, Lilpickle_23, LindNT_23, LittleE_37, LittleShirley_17, Lizziana_16, Llama_16, Llij_16, Llorens_23, Lockley_27, Lollipop1437_46, Lopton_28, LordFarquaad_17, Lorde_17, LouisV14_18, Lozinak_48, Lton_17, Lucky2013_34, Luke_22, Luna22_22, LunaStella_18, Lunahalos_23, Lysidious_20, MISSy_23, MPhalcon_23, MPlant7149_26, MacGully_50, MacKat_24, MacnCheese_23, Maco6_19, MadKillah_57, MadamMonkfish_24, Madeline_19, Madiba_17, Magnar_27, Magnito_26, Magsby_18, Mahavrat_16, Mahdia_18, Majeke_19, MakCheese_20, Makemake_27, Malachai_20, MalagasyRose_24, Malibo_20, Maliketh_18, Malithi_19, Malthus_25, Manasvini_19, Manatee_28, Manda_25, Mandlovu_16, Mangethe_19, Mantra_16, Maravista_16, Marcell_27, Marchy_26, Marcoliusprime_19, Mareelih_99, Marge_28, Maridalia_18, Marietta_43, MarkPhew_23, Marker_17, Marmie_18, Maroc7_26, Marsha_27, Marshawn_24, Marshmallow_24, Martik_16, MaryBeth_27, Maselop_45, Matteo_17, Mattes_16, Maxxinista_25, Mbo4_17, McGuire_28, McMater_23, Mcklovin_20, Mdavu_19, MeaningOfLife_23, Megiddo_19, Megsy_23, MelBins_34, Melba_19, Melissauren88_16, Mellie_18, Melville_18, MerCougur_42, Mercurio_20, MetalQZJ_27, Meyran_21, MiaZeal_34, MichaelScott_20, MichelleMyBell_18, Michley_27, MilanaBonita_17, MilleniumForce_17, Milly_19, Mindy_24, Minerva_37, MinionDave_17, Miniwave_24, Minnie_17, MintFen_19, Miryou_21, Misfit_24, Misha28_17, Miskis_50, MissDaisy_24, MissRona_21, MisterCuddles_16, Mitti_24, Mkhuseleli_28, Mocha12_17, Modragons_16, Moldemort_25, Molly_28, Mollymur_31, Monet_29, MooMoo_16, Moonbeam_17, Moose_26, Moosehead_17, Mori_56, Morrissey_19, Mosby_23, Mova_17, Mowgli_18, Mozy_17, MrGordo_27, Mryolo_26, Ms6_16, Muddy_21, Mufasa_19, MulchExplorer_19, MulchSalad_16, Mulch_22, Mule_27, Murai_57, Murica_23, Murp_19, Murphy_25, Murucutumbu_23, Museum_29, Mutaforma13_16, Mynx_23, MyraDee_25, Myrale_24, NEHalo_27, Nadeem_22, NadineRae_41, Naiad_23, Naira_28, Nala_24, Nancinator_23, NancyRae_22, NatB6_41, Natkenzie_35, Natosaleda_23, Nazo_18, Nebkiss_17, Necropolis_19, NelitzaMV_24, Nenae_18, Neobush_19, Nergal_22, Nerujay_28, Nettuno_17, Nhonho_27, Nibb_22, NiebruSaylor_55, Nikao_19, Niklas_23, Nimbo_16, Nimrod_24, Nitzel_17, Nivrat_16, Niza_29, NoShow_18, NoSleep_25, NormanBulbieJr_16, Norvs_49, Norz_29, NosilaM_44, November_22, NovumRegina_41, Nutello_19, Nyceirae_23, Nymphadora_19, OBUpride_22, Obliviate_18, Ochi17_16, OctaviousRex_18, Odette_36, OfUltron_16, Ogotogo_19, Ohgeesy_19, Ohno789_27, OkiRoe_21, Oksu_17, OldBen_16, Olga_18, OlympiaSaint_16, Omega_36, OmniCritical_24, OneDirection_17, OneUp_42, Oogway_26, Optimus_35, Oregano_20, OrionPax_25, Oscar_22, Outis_42, Ovechkin_16, OwlsT2W_18, P1201_47, P3MA_19, PCoral7_19, PHappiness_16,

PMC_16, PSullivan_29, Pacc40_16, Pace1224_18, PacerPaul_27, Padfoot_23, Padpat_23, Paito_18, Palpatine_24, Panchino_18, PantheRoc_19, Paola_21, Paperbeatsrock_26, Papez_29, Parada_22, Paraselene_26, Pari_28, Parliament_26, Parmesanjohn_18, Partridge_23, PascalRango_26, Pat3_23, Patio_44, Patt_24, PattyP_29, Payneful_27, Peanam_23, Peeb_18, Peel_23, 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, Pharb_22, Pharsalus_25, Phasih_17, PhatBacter_24, Phatniss_17, Phauci_26, Phaux_23, Phayonce_18, Phegasus_19, PhelpsODU_22, Phendrix_87, PherrisBueller_28, PhesterPotato_16, Philonius_18, Philus_16, Phinally_33, Phineas_19, PhinkBoden_48, Phish_18, Phishy_22, Phloss_18, Phoebus_36, Phomeo_40, Phrank_22, Phrankenstien_23, Phrann_18, Phreak_18, PhriskyACE_19, PhrostedPhlake_20, PhrostyMug_27, Phrux_24, Piatt_23, Pickett_17, Pimento_23, PinkPlastic_26, PinkYoshi_18, Pinnie_19, Pinto_30, Piper2020_17, Pipp_19, Pippin_29, Pippy_16, Pipsqueaks_18, Pita2_29, Pixie_22, Plagueis_18, Pleakley_50, Plumbus_17, Poenanya_16, Pokerus_22, Policronamos_24, Polka14_17, Polkaroo_19, Polly_19, Polyuyki_45, PopTart_16, Porcelain_33, Porky_24, PotatoChip_34, Powerball_19, PrincePatrick_19, Priscilla_16, Prithvi_23, ProMouse_26, Pumpkin_26, Puppies_18, Purgamenstris_18, Purky_18, Pygmy_18, QTRLifeCrisis_27, Quallification_25, QueenHazel_19, QuickMath_17, Quico_17, QuincyRose_22, REQ2_20, RER2_16, RGL3_16, Rabbs_18, Radiance_16, Raid_28, Rajelicia_27, Rakim_25, Ramen_23, Ramsey_17, Rapunzel97_23, Rasputin_23, RavenCo17_17, Raymond7_18, Rebel_18, RedBird_16, RedRaider_48, Redi_18, Redno2_35, Rem711_25, Remy19_18, Renaissance_18, Reptar3000_24, RexFury_23, Reyja_19, Rhodalysa_23, Rhynn_27, Rialto_18, Richo_23, RidgeCB_27, Rimmer_23, Ringer_27, RitaG_16, Rita_16, RiverMonster_24, RoadKill_30, Rockne_16, RockyHorror_17, Rohr_28, Rosmarinus_23, Royals2015_16, Rubeelu_18, Rubeus_28, Ruby_16, Rufus_28, Ruotula_26, Rutherford_29, Ruthiejr_23, Ruthy_19, Ryadel_60, SG4_16, STLscum_28, Saal_16, Sagefire_28, Sahara_17, Saints25_25, SamScheppers_22, SamW_17, Samba_19, Samman98_20, Sampson_35, SamuelLPlaqson_23, Sandaddy_26, Sandalphon_17, Santhid_18, Sanya_26, Sapo_16, SarFire_27, Sarma624_17, Sassafras_16, Sassay_23, SassyB_16, Savage_17, Scarlett_22, Schatzie_34, Schiebel_18, Schmidt_20, Schnauzer_18, SchoolBus_56, Schuy_57, Scioto_35, Scitech_18, Scottish_17, Scowl_28, Scuba_50, Seabastian_16, Seabiscuit_29, Seagreen_17, Seanderson_28, Sekhmet_20, SgtBeansprout_19, ShaboiShabazz_18, Shadow1_21, ShamWow_24, Shaobing_23, Shauna1_16, ShedlockHolmes_22, ShereKhan_26, ShiLan_16, ShiaSurprise_23, Shida_56, Shipwreck_18, Shlim410_20, ShortQueendom_26, ShowerHandel_16, ShrimpFriedEgg_18, ShroomBoi_16, Shuman_23, Shweta_18, SiSi_16, Sibs6_29, Sidious_19, Silvafighter_18, Silvy_18, Simpliphy_25, SimranZ1_17, SirDuracell_23, SirPhilip_22, Sizemore_18, SkiPole_29, SkinnyPete_18, Skysand_43, Slagathor_28, Slarp_24, Sleepyhead_18, Slimphazie_23, Smairt_28, Smeagol_29, Smooch_59, Smoothie_49, Smurph_18, Snazzy_26, Sneeze_18, Snekmaggon_18, SoSeph_21, SoilAssassin_17, Solon_27, Sonah_19, SophKB_24, Sorpresa_27, Sotrice96_24, Sparkdehlily_16, SpeedDemon_320, SpikeBT_29, Spikelee_17, Splinter_22, Spock_23, SpongeBob_18, Spoonbill_16, Sproutie_17, Squee_28, Squint_33, Squirty_17, StAB_17, StAnnes_16, StCroix_23, Stank_27, Stap_17, StarStruck_42, Starcevic_17, Stargaze_18, Stark_25, StellaBean_24, StevieRay_19, StewieG_26, Stickynote_33, Stiles_17, Stinson_23, StolenFromERC_26, StressBall_19, Strobilo_19, Strokeseat_16, StrongArm_26, Suerte_18, Sukkupi_43, Sulley_23, Sumter_26, Sunflower1121_21, Sunshine924_26, SuperGrey_17, SuperSulley_42, Superphikiman_34, Susceptit_19, SwagPigglett_16, Swann_23, Sweets_18,

SwissCheese_28, Switzer_28, Swole_29, Syra333_22, TBond007_22, TBrady12_26, TChen_17, TClif_22, TDanisky_16, TM4_19, TPA4_19, TWAMP_23, TZGordon_24, Tachez_23, Taheera_18, TaiwanKao_24, Taj_16, Takoda_23, Tapioca_18, Taquito_22, Tardus_36, Target_30, Tarkin_26, Tarzan_18, Tasp14_28, Tayonia_19, TeardropMSU_23, Teaspoon_25, Techage_19, TelAviv_53, Teodoridan_25, Terminus_24, Terror_18, ThankyouJordi_18, TheloniousMonk_29, Thespis_19, Thibault_33, Thimann_20, Thor_27, ThreeRngTarjay_35, Thresher_25, ThulaThula_18, Thyatira_21, Tiamoceli_33, Tierra_22, TimTam_19, TinaBug_18, TinaLin_25, TingHuaYa_23, TiniBug_23, TinyDot_19, Tiri_23, Toast_19, TomBrady_18, Tomaszewski_23, Toniann_48, TootsiePop_17, Tootsieroll_17, Topgun_27, Topper_23, Torres_19, Tortellini_18, Tote_29, Totinger_17, Toto_24, Towmatter_29, Traaww1_22, Tracker_41, Traft412_29, Treddle_29, TreyKay_23, TripleTrouble_21, Trine_18, Tripl3t_28, Trouble_28, Troy_17, TruffulaTree_23, Trumpet_19, Tuco_25, TuertoX_17, Turj99_26, Turuncu_45, Tweety_16, Twinkle_20, Twitch_23, TwoPeat_28, Twonlo_30, Typha_24, U2_27, Ubuntu_22, UhSalsa_23, Ukulele_24, UmaThurman_19, UncleRicky_17, Unicorn_22, Upyo_18, Urkel_23, Utz_19, VRedHorse_16, Vagabond_56, Validus_23, Vasanti_17, Veliki_23, Velveteen_17, Vendetta_22, Venti_19, Verity_34, Veteran_16, ViaConlectus_35, Vidya_19, Violet_26, ViviJ_20, Vivum_16, Vordorf_22, Vorrps_56, Wachhund_16, Walrus_20, Wanda_37, Waterfoul_21, Watermelon_29, Webster2_22, Wee_17, Weirdo19_19, WelcomeAyanna_18, Wendigo_18, Whack_18, Whatsapiecost_16, WheatThin_22, Wheeler_27, Wheezy_41, Whiteclaw_17, WhoseManz_43, Whouxphf_16, Widow_18, Wiggin_27, Wildflower_56, Wilkins_27, WillSterrel_17, Willez_23, WilliamBoone_48, William_19, Willsammy_19, Winget_57, WinkNick_20, Wintermute_24, Wishmaker_22, Wisp_18, Wocket_20, XFactor_16, Xandras_26, Xavia_19, Xeno_18, Xerxes_18, Ximenita_23, Xula_18, Y10_24, Y2_24, YassJohnny_25, Yeet412_17, Yeezy_20, Yndexa_43, Yogi_23, Yoncess_23, Yorick_16, Youngblood_24, YoureAdopted_22, Yuna_24, YungJamal_61, Yunkel11_23, Yvonnetastic_45, Zabiza_23, Zakhe101_56, Zameen_19, Zarbodnamra_19, Zavala_23, Zebo_55, Zeeculate_27, Zelink_38, Zephyr_27, Zerg_16, Zeuska_28, ZiggyZoo_18, Zilizebeth_19, Zion_34, Zipp_34, Zirinka_19, Zitch_36, Zizzle_16, ZoMa_18, Zodiariah_18, ZoeJ_19, Zombie_18, xkcd_25,

Summary by start number:

Start 49:

- Found in 4 of 2047 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: FF47_21 (AB),

Start 51:

- Found in 5 of 2047 (0.2%) of genes in pham
- Manual Annotations of this start: 4 of 1874
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_24 (Y), Bipper_24 (Y), Cracklewink_24 (Y), Hilltopfarm_24 (Y), Typha_24 (Y),

Start 56:

- Found in 1 of 2047 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 1874
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yuna_24 (K6),

Start 57:

- Found in 2 of 2047 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1874
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Mercurio_20 (G4),

Start 58:

- Found in 1 of 2047 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 1874
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lemuria_19 (G4),

Start 59:

- Found in 6 of 2047 (0.3%) of genes in pham
- Manual Annotations of this start: 4 of 1874
- 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 60:

- Found in 2 of 2047 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1874
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MalagasyRose_24 (AG), Nergal_22 (AG),

Start 62:

- Found in 47 of 2047 (2.3%) of genes in pham
- Manual Annotations of this start: 1 of 1874
- Called 2.1% of time when present
- Phage (with cluster) where this start called: Amgine_21 (K6),

Start 68:

- Found in 2 of 2047 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1874
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia_16 (X), Nebkiss_17 (X),

Start 69:

- Found in 45 of 2047 (2.2%) of genes in pham
- Manual Annotations of this start: 2 of 1874
- Called 4.4% of time when present
- Phage (with cluster) where this start called: Murai_57 (O), Wildflower_56 (O),

Start 71:

- Found in 40 of 2047 (2.0%) of genes in pham
- Manual Annotations of this start: 2 of 1874
- Called 5.0% of time when present
- Phage (with cluster) where this start called: Bogie_18 (P1), GreaseLightnin_19 (P1),

Start 74:

- Found in 30 of 2047 (1.5%) of genes in pham

- Manual Annotations of this start: 26 of 1874
- 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_56 (O), Idergollasper_56 (O), JangDynasty_56 (O), Krili_55 (O), MadKillah_57 (O), Mori_56 (O), NiebruSaylor_55 (O), Ryadel_60 (O), SchoolBus_56 (O), Schuy_57 (O), Shida_56 (O), Smooch_59 (O), TelAviv_53 (O), Vagabond_56 (O), Vorrrps_56 (O), Winget_57 (O), YungJamal_61 (O), Zakhe101_56 (O), Zebo_55 (O),

Start 75:

- Found in 143 of 2047 (7.0%) of genes in pham
- Manual Annotations of this start: 25 of 1874
- Called 20.3% of time when present
- Phage (with cluster) where this start called: Amohnition_22 (K6), AzulaCat_18 (G1), BQuat_18 (G1), CLED96_18 (G1), Camri_18 (G1), Chance64_18 (G1), Cherrybomb426_18 (G1), DNAIII_0018 (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), Maliketh_18 (G1), 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), TinaBug_18 (G1), Wendigo_18 (G1),

Start 77:

- Found in 3 of 2047 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1874
- Called 33.3% of time when present
- Phage (with cluster) where this start called: TChen_17 (F4),

Start 78:

- Found in 66 of 2047 (3.2%) of genes in pham
- Manual Annotations of this start: 41 of 1874
- Called 65.2% of time when present
- Phage (with cluster) where this start called: 32HC_26 (Z), Amochick_22 (Q), Amymech_22 (Q), BoostSeason_19 (K2), Daegal_23 (Q), DeepSoil15_22 (Q), Dewey_22 (Q), DismalFunk_19 (K2), DismalStressor_19 (K2), Ein37_22 (Q), Evanesce_22 (Q), Fefferhead_22 (K6), Findley_19 (K2), Forge_22 (Q), Gancho_21 (Q), Giles_22 (Q), Gravallia_22 (Q), HH92_22 (Q), Hadrien_22 (Q), Hail_22 (Q), 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), OBUpride_22 (Q), Oscar_22 (K1), 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 79:

- Found in 162 of 2047 (7.9%) of genes in pham
- Manual Annotations of this start: 139 of 1874
- Called 93.2% of time when present
- Phage (with cluster) where this start called: ActinUp_23 (K1), Adephegia_23 (K1), Adonis_23 (K1), Ageofdapage_23 (K1), AlishaPH_23 (K1), Amelie_19 (K1), Aminay_21 (K7), Anaya_24 (K1), Angelica_23 (K1), Apocalypse_23 (K1), Asayake_23 (K1), Atiba_23 (K1), BEEST_23 (K1), BGIlluvia_23 (K1),

BaghaKamala_23 (K1), BarrelRoll_23 (K1), Beezoo_23 (K1), Bella96_23 (K1),
 Belladonna_23 (K1), Bern_25 (K1), Binglebops_19 (K1), Blizzard_23 (K1), Boiii_23
 (K1), Boilgate_20 (K8), Bryler_22 (K6), CREW_23 (K1), Cain_22 (K6), CallaLilly_24
 (K1), Capricorn_23 (K1), CaseJules_23 (K1), Chancellor_24 (K4), CheetoDust_23
 (K1), Cheetobro_24 (K4), Chris_22 (K1), Clipper_25 (K1), CrimD_23 (K1),
 Curiosium_24 (K1), Dalmuri_23 (K1), DarthP_22 (K6), Dartin_23 (K1), Deby_23 (K1),
 Devera_23 (K1), Dole_23 (K1), DrHayes_23 (K1), Durfee_23 (K1), Efra2_23 (K1),
 Ellie_20 (K6), Emerson_23 (K1), Enkosi_19 (K1), Eponine_24 (K4), Fionnbharth_24
 (K4), Ganymede_24 (K1), Geraldini_23 (K1), Guanica15_23 (K1), Hammy_22 (K6),
 HedwigODU_23 (K1), Homura_23 (K1), Hurricane_22 (K3), Hyperbowlee_23 (K1),
 Illumine_23 (K1), Inky_23 (K1), JAWS_23 (K1), JF1_24 (K4), Jarvi_23 (K1),
 Jayhawk_23 (K1), Jeckyll_23 (K1), Joy99_23 (K1), Keshu_22 (K3), Kraw_25 (K4),
 LastHope_23 (K1), LaterM_23 (K1), LilPharaoh_19 (K1), LindNT_23 (K1), Llorens_23
 (K1), Lunahalos_23 (K1), MacKat_24 (K1), MacnCheese_23 (K3), Malthus_25 (K4),
 MarkPhew_23 (K1), Marshawn_24 (K6), McMater_23 (K1), Mdavu_19 (K1),
 MeaningOfLife_23 (K1), Megsy_23 (K1), Mitti_24 (K4), Murucutumbu_23 (K1),
 Mynx_23 (K1), Nibb_22 (K1), Nikao_19 (K1), Niklas_23 (K1), November_22 (K6),
 Nutello_19 (K1), OmniCritical_24 (K4), P3MA_19 (singleton), Padfoot_23 (K1),
 Padpat_23 (K1), Patt_24 (K4), Peanam_23 (K1), Peel_23 (K1), Pharb_22 (K3),
 PhelpsODU_22 (K6), Phrank_22 (K6), Piatt_23 (K1), Pixie_22 (K3), Pokerus_22 (K1),
 Prithvi_23 (K1), QuincyRose_22 (K1), Ramen_23 (K1), Rapunzel97_23 (K1),
 Richo_23 (K1), Rosmarinus_23 (K1), Ruthiejr_23 (K4), SamScheppers_22 (K4),
 SamuelLPlaqson_23 (K1), SgtBeansprout_19 (K1), Shadow1_21 (K6), Shaobing_23
 (K1), ShedlockHolmes_22 (K3), ShiaSurprise_23 (K1), SirPhilip_22 (K6), Slarp_24
 (K4), Slimphazie_23 (K1), Spock_23 (K1), Stinson_23 (K1), Sulley_23 (K1),
 Sunflower1121_21 (K6), Syra333_22 (K6), TBond007_22 (K3), TClif_22 (K6),
 Tachez_23 (K1), TaiwanKao_24 (K1), Tierra_22 (K6), TingHuaYa_23 (K1),
 TiniBug_23 (K1), Tiri_23 (K1), Topper_23 (K1), Torres_19 (K1), TreyKay_23 (K1),
 TripleTrouble_21 (K3), TruffulaTree_23 (K1), Twitch_23 (K1), Unicorn_22 (K6),
 Urkel_23 (K1), Validus_23 (K1), Veliki_23 (K1), Wintermute_24 (K4), Ximenita_23
 (K6), YoureAdopted_22 (K1), Yunkel11_23 (K1), Zabiza_23 (K1), Zavala_23 (K1),

Start 81:

- Found in 58 of 2047 (2.8%) of genes in pham
- Manual Annotations of this start: 15 of 1874
- Called 27.6% of time when present
- Phage (with cluster) where this start called: Agent47_21 (K5), Collard_21 (K5), Feyre_21 (K5), Gengar_21 (K5), Guillsminger_21 (K5), Heftyboy_21 (K5), InvictusManeo_21 (K5), Kratio_20 (K5), Leston_21 (K5), Miryou_21 (K5), OkiRoe_21 (K5), Paola_21 (K5), SoSeph_21 (K5), Thyatira_21 (K5), ViviJ_20 (K5), Waterfoul_21 (K5),

Start 82:

- Found in 54 of 2047 (2.6%) of genes in pham
- Manual Annotations of this start: 44 of 1874
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Arib1_19 (P1), Atcoo_19 (P1), Bartholomew_19 (P1), BigNuz_18 (P4), Brusacoram_19 (P1), Bunnies_19 (P1), CactusJack_19 (P1), Camster_19 (P1), Donovan_19 (P1), Dynamo_19 (P1), FirstPlacePfu_19 (P1), Fishburne_19 (P1), Gavriela_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), Megidido_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 83:

- Found in 9 of 2047 (0.4%) of genes in pham
- Manual Annotations of this start: 8 of 1874
- Called 88.9% 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 84:

- Found in 15 of 2047 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 1874
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Sixama_99 (DS),

Start 85:

- Found in 1 of 2047 (0.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TPA4_19 (singleton),

Start 87:

- Found in 223 of 2047 (10.9%) of genes in pham
- Manual Annotations of this start: 207 of 1874
- Called 99.1% of time when present
- Phage (with cluster) where this start called: Akhila_17 (F1), Alexphander_18 (F1), Aloeri_17 (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), Brushbloom_18 (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_16 (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), DoRead_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), Grimmer_17 (F1), Hades_16 (F1), Hamulus_16 (F1), Harley_16 (F1), Hegedechwinu_17 (F1), Hlubikazi_16 (F1), IMpilo_16 (F1), IbOuu_16 (F1), Ibhubesi_16 (F1), Inventum_16 (F1), IrishSherpFalk_17 (F1), JalFarm20_18 (F1), James_16 (F1), Jarcob_16 (F1), Jinglebell_15 (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), MulchExplorer_19 (F1), MulchSalad_16 (F), Mutaforma13_16 (F1), Nimbo_16 (F1), Nivrat_16 (F1), NormanBulbieJr_16 (F1), Ochi17_16 (F1), OfUltron_16 (F1), Ogopogo_19 (F1), Okusu_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), Starcevic_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), Velveteen_17 (F1), Veteran_16 (F1), Vivum_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 89:

- Found in 34 of 2047 (1.7%) of genes in pham
- Manual Annotations of this start: 30 of 1874
- Called 94.1% 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_34 (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 90:

- Found in 396 of 2047 (19.3%) of genes in pham
- Manual Annotations of this start: 8 of 1874
- Called 2.8% of time when present
- Phage (with cluster) where this start called: BabyBack_30 (A2), BobSwaget_31 (A2), CloudWang3_31 (A6), Colin_32 (A2), DekHockey33_30 (A15), Jordennis_31 (A6), Kalpine_31 (A2), Lokk_31 (A2), SwiriSquare_30 (A2), WeiHuaDA_34 (A2), XianYue_28 (A2),

Start 91:

- Found in 45 of 2047 (2.2%) of genes in pham
- Manual Annotations of this start: 42 of 1874
- Called 100.0% 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), EGUnicorn_19 (N), Fulbright_18 (N), Gex_18 (N), Hanako_18 (N), Jamie19_18 (N), Journey_18 (N), Kevin1_18 (N), Magsby_18 (N), 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 93:

- Found in 1 of 2047 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 1874
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MooMoo_16 (singleton),

Start 94:

- Found in 133 of 2047 (6.5%) of genes in pham
- Manual Annotations of this start: 79 of 1874
- Called 59.4% of time when present
- Phage (with cluster) where this start called: 244_26 (E), ABCat_23 (E), Adnama_27 (E), AmericanBeauty_26 (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), Gator_22 (E), Gemini_27 (E), Goku_24 (E), GoldenSpark_26 (E), Goldilocks_25 (E), GooberAzure_26 (E), HanKaySha_25 (E), Highbury_25 (E), Holt_25 (E), Hoonter_26 (E), Kanye_26 (E), 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), Phaux_23 (E), Phrux_24 (E), Quallication_25 (E), Rimmer_23 (E), 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), Wiggin_27 (E),

Start 96:

- Found in 6 of 2047 (0.3%) of genes in pham
- Manual Annotations of this start: 6 of 1874
- 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 97:

- Found in 89 of 2047 (4.3%) of genes in pham
- Manual Annotations of this start: 44 of 1874
- Called 50.6% 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), ECartman_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), ZoMa_18 (G1), Zombie_18 (G1),

Start 99:

- Found in 33 of 2047 (1.6%) of genes in pham
- Manual Annotations of this start: 4 of 1874
- Called 15.2% of time when present
- Phage (with cluster) where this start called: FlagStaff_18 (G2), MarysWell_23 (A5), Pace1224_18 (G2), Y10_24 (K4), Y2_24 (K4),

Start 105:

- Found in 102 of 2047 (5.0%) of genes in pham
- Manual Annotations of this start: 8 of 1874
- Called 8.8% of time when present
- Phage (with cluster) where this start called: Aliter_30 (A9), Alma_30 (A9), Eidsmoe_30 (A9), HortumSL17_30 (A9), Jolie2_18 (G4), Myxus_30 (A9), PackMan_30 (A9), Phaeder_30 (A9), Qobbit_30 (A9),

Start 106:

- Found in 3 of 2047 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1874
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cardigan_47 (DD), JonJames_47 (DD), Yvonnestic_45 (DD),

Start 108:

- Found in 626 of 2047 (30.6%) of genes in pham
- Manual Annotations of this start: 545 of 1874
- Called 95.8% 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), Adzzy_29 (A2), Agape74_30 (A2), AgentM_24 (A5), Aglet_29 (A3), AgronaGT15_29 (A3), Airmid_24 (A5), Albee_27 (A4), Alberto7_28 (A4), Anaysia_30 (A15), Aneem_28 (A11), AnnaL29_31 (A2), Annyong_27 (A4), Anon_28 (A15), Anselm_28 (A2), Anthony_27 (A20), Anubis_31 (A3), Aragog_24 (A5), ArcherNM_30 (A2), Archetta_24 (A5), Arissanae_28 (A9), Artemis2UCLA_31 (A6), Arturo_26 (A4), Astro_24 (A8), AugsMagnumOpus_31 (A3), AvatarAhPeg_28 (A4), Avle17_27 (A4), B1_25 (A3), BABullseye_31 (A6), Baby16_27 (A4), BabyJohn_26 (A3), BabyRay_27 (A3), Bachome_28 (A11), Backyardigan_27 (A4), Bactobuster_29 (A2), Badger_27 (A4), Baehexic_29 (A2), BangNhom_27 (A4), Bartimeaus_27 (A4), Battleship_31 (A15),

BearBQ_19 (DN), Beauxregard13_29 (A3), Beemo_30 (A9), BellusTerra_27 (A4), Benedict_24 (A5), BengiVuitton_29 (A2), Benvolio_28 (A2), BiancaTri92_30 (A2), Birdsong_19 (DN), Blackmoor_27 (A4), BlessJoy_31 (A6), Blinn1_31 (A6), Blue7_31 (A6), BlueBird_28 (A3), Bluefalcon_23 (A5), BogosyJay_29 (A9), Bombshell_27 (A4), Bonamassa_24 (A5), Boohoo_30 (A15), Bowtie_28 (A11), Bradman_27 (A2), BreSam8_29 (A3), Broseidon_27 (A4), Bruiser_26 (A4), BubbleTrouble_27 (A4), Bud_28 (A11), Bugatti_27 (A3), Buggy_30 (A2), Bumblebee11_27 (A4), Burger_26 (A4), BuzzBuzz_28 (A3), Bxz2_28 (A3), C3_26 (A2), CRB1_28 (A2), Caelakin_27 (A4), Calvinny_30 (A3), Camperdownii_26 (A4), Candra_31 (A6), Caraxes_27 (A2), Caviar_28 (A3), Centaur_30 (A2), CentreCat_27 (A4), Cerulean_28 (A4), Chadwick_25 (A5), ChampagnePapi_28 (A4), Changeling_30 (A2), Chaph_27 (A4), Chargerpower_29 (A), Charm_28 (A9), Chartreuse_31 (A6), Che12_30 (A2), ChipMunk_30 (A2), Chiqui_26 (A3), Chupacabra_27 (A10), Cici_27 (A4), Cintron_27 (A4), Citius_27 (A4), Clarenza_27 (A4), Cocoaberry_27 (A4), Colbster_29 (A3), Commander_27 (A4), Connomayer_27 (A4), Conquerage_30 (A9), Conspiracy_24 (A5), Coog_24 (A5), Cookiedough_31 (A6), Crucio_28 (A2), Cuco_24 (A5), Cullens_29 (A3), D29_28 (A2), D32_31 (A2), DBQu4n_31 (A2), DaHudson_29 (A3), DaVinci_31 (A6), Daishi_28 (A3), Dalmatian_28 (A2), Danforth_23 (A8), Darrell_30 (A9), DARTHPhader_29 (A12), Datway_27 (A4), Deano_27 (A4), Deloris_29 (A2), Dhanush_27 (A4), Dieselweasel_29 (A3), Dignity_30 (A2), DirtyDunning_27 (A4), Discoknowium_24 (A5), Dixon_24 (A8), DontArgue_26 (A10), Dorothea_31 (A6), Drake55_30 (A2), Drake94_26 (A10), DreamTeam1_28 (A9), DroogsArmy_28 (A7), DropBear_27 (A3), Druantia_27 (A4), Dublin_23 (A5), DudeLittle_28 (A2), Duplo_31 (A2), DustyMartin_31 (A10), 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), EdogawaKiddo_28 (A9), EITiger69_24 (A5), Elephantoon_29 (A9), EmyBug_30 (A9), EpicPhail_29 (A3), 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), Fernando_29 (A3), Fibonacci_28 (A11), FiringLine_28 (A2), First_0028 (A2), Flare16_28 (A2), Flaverint_28 (A11), Florean_27 (A4), Flux_27 (A4), FlyCatcher_31 (A7), ForGetIt_24 (A5), Fred313_27 (A3), Funston_27 (A4), Gadost_27 (A4), Gail_28 (A14), Garak_32 (A6), GaugeLDP_30 (A2), Gemma_29 (A3), George_23 (A5), Georgie2_29 (A2), Ghoulboy_24 (A5), Gilberta_28 (A11), GingkoMaracino_29 (A3), Giroux_27 (A3), Gladiator_31 (A6), Goose_27 (A10), GreedyLawyer_31 (A6), Grif_29 (A3), Groundhog_23 (A8), Groupthink_30 (A3), Grub_29 (A3), Grum1_29 (A3), Gruunaga_31 (A6), GtownJaz_29 (A3), HINdeR_27 (A7), HamSlice_26 (A4), Hammer_31 (A6), Hanray_29 (A9), Happiness_27 (A4), HarryHoudini_30 (A2), HashRod_30 (A3), HaveUMetTed_30 (A3), Heathen_27 (A3), Heffalump_30 (A2), HelDan_27 (A3), Heliosoles_29 (A3), Helmet_32 (A6), Herbertwm_25 (A2), Hercules11_29 (A3), Hexamo_31 (A6), Horex_29 (A9), Holli_27 (A4), Hookmount_28 (A3), Hoot_31 (A6), Houdini22_27 (A4), HuhtaEnerson15_24 (A5), Hutc2_28 (A11), Huxley_27 (A4), ICleared_27 (A4), Iceman_28 (A4), Idleandcovert_27 (A3), Indra_31 (A6), Insomnia_28 (A11), Iracema64_28 (A4), IronMan_30 (A2), Isca_27 (A3), Isiphiwo_31 (A6), Iwokeuplikedis_29 (A2), JF2_27 (A3), JF4_27 (A3), JHC117_29 (A3), JSwag_30 (A15), Jaan_31 (A2), Jabiru_24 (A5), Jabith_28 (A11), Jaykayelowell_27 (A4), Jeeves_28 (A14), Jeffabunny_31 (A6), JenCasNa_29 (A3), JeppNRM_30 (A3), Jerm_30 (A2), JetBlade_27 (A4), JewelBug_31 (A6), Jiawan_29 (A9), Jobu08_29 (A3), JoongJeon_27 (A4), Joselito_28 (A11), JoshKayV_30 (A2), Journey13_26 (A2), Jovo_24 (A5), Jsquared_27 (A2), KADY_30 (A3), KFPoly_27 (A4), Kachowdy_27 (A3), Kalb97_30 (A3), Kalnoky_30 (A3), Kampy_27 (A4), Katalie136_27 (A4), KatherineG_30 (A15), Kazan_31 (A6), Kerberos_31 (A2),

Keziacharles14_28 (A9), Kimona_24 (A19), KingCyrus_30 (A2), Kingmustik0402_27 (A4), Kinmap_29 (A21), Kipper29_31 (A6), KittenMittens_26 (A10), Koan_26 (A4), Koduck_28 (A2), Koko_31 (A6), Koreni_26 (A4), Kratark_27 (A4), Kremtemulon_27 (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_27 (A4), Larenn_29 (A2), LarryKay_29 (A3), LastResort_30 (A15), Lemur_27 (A4), LeoAvram_27 (A4), Leogania_30 (A2), Lev2_24 (A5), Leviathan_30 (A2), LilTurb_30 (A2), Lilbunny_31 (A6), Lilith_29 (A3), Lilleskat_28 (A9), LittleB_27 (A4), LittleCherry_24 (A5), LittleGuy_27 (A4), LochMonster_27 (A4), LoneWolf_29 (A9), Looper_31 (A15), Lorenzo_27 (A4), Loser_31 (A2), Louie6_29 (A3), Luchador_30 (A14), Lucivia_28 (A11), Lucyedi_29 (A16), LugYA_31 (A3), Lunsford_28 (A4), MA5_27 (A3), MK4_27 (A3), MaCh_28 (A11), Mabel_28 (A11), MadMarie_29 (A3), Mainiac_29 (A3), MajorMajor_27 (A2), Malec_29 (A2), Malinsilva_31 (A3), Maminiaina_29 (A9), Manu_30 (A3), MarQuardt_29 (A3), Marchesa_27 (A3), Margo_28 (A3), Marie_29 (A3), Marius_30 (A3), Maverick_27 (A4), Maxo_27 (A4), Mazhar510_27 (A4), McFly_31 (A6), Medusa_27 (A4), MeeZee_27 (A4), Melvin_27 (A4), Methuselah_28 (A3), Micasa_24 (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), 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), 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), NicoleTera_32 (A2), Noella_28 (A3), Norbert_27 (A3), NorthStar_27 (A4), NotAPhaseMom_27 (A4), NothingSpecial_30 (A2), 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), Onglai_29 (A9), Oofda_31 (A15), Orange_28 (A11), P28Green_29 (A3), PGHhamlin_31 (A3), PP_37 (A7), PainterBoy_29 (A16), Palestino_26 (A4), Panamaxus_27 (A3), Pawn_29 (A3), PeaceMeal1_26 (A10), Peaches_27 (A4), Pembroke_29 (A3), Penny1_29 (A3), Perplexer_27 (A4), PeterPeter_27 (A4), Petersenfast_27 (A11), PetiteSangsue_27 (A4), PetterN_25 (A5), Ph8s_29 (A2), Phacado_27 (A4), Phaded_31 (A2), Phantastic_27 (A3), Pharaoh_28 (A12), Felipe_27 (A4), Phighter1804_27 (A4), Phillis_24 (A8), PhishRPhriends_28 (A3), Phlei_23 (A13), Phlorence_24 (A5), Phoebe_29 (A3), Phonnegut_30 (A9), Phontbonne_27 (A4), PhorbesPhlower_18 (DH), Phoxy_29 (A3), Phranny_30 (A3), PickleBack_24 (A5), Pioneer_30 (A9), Pipcraft_27 (A4), Piro94_29 (A2), Pistachio_28 (A3), Pmask_31 (A6), Pocahontas_28 (A3), Polymorphads_27 (A4), Pomar16_31 (A2), Poompha_26 (A10), Popcicle_28 (A3), PotatoSplit_30 (A3), Power_28 (A2), Priamo_31 (A6), Priya_30 (A9), Pukovnik_30 (A2), Pumbaa_27 (A4), Puppy_28 (A3), PurpleHaze_29 (A3), QueenB2_28 (A2), QueenBeesly_28 (A2), QuinnKiro_27 (A3), Quokka_26 (A2), Rachaly_31 (A2), Rahalelujah_27 (A9), 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), Rosa24_26 (A4), Rosalind_30 (A15), Rowdy_31 (A10), Ruin_27 (A4), Rummer_29 (A3), RyeScarlet_31 (A9), Sabertooth_27 (A4), Sabia_29 (A3), Sabinator_29 (A3), Sachima_28 (A9), Saintus_24 (A8), Salz_28 (A11), SaturnRing_27 (A3), Scamp_27 (A4), Scherzo_30 (A9), Scorpia_25 (A5), Scout_27 (A3), SemperFi_30 (A2), SeniorClean_26 (A4), Serenity_27 (A2), Severus_26 (A10), Shaka_27 (A4), Sham4_28 (A11), Shapes_31 (A10), ShayRa_31 (A15), SheaKeira_28 (A9), Sheen_29 (A7), SheldonCooper_28 (A4), Shygu2_27 (A4), Skipitt_27 (A4), Sknot_29 (A2), 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), Spouty_30 (A9), Stagni_29 (A3), StarStuff_31 (A2), Stasia_28 (A4), Steamy_29 (A12), Stepfig9_24 (A8), Stink_28 (A4), Strosahl_30 (A15), Sunhee_27 (A14), SuperAwesome_31 (A6), SuperCallie99_31 (A6), Superchunk_27 (A2), SweetiePie_28 (A2), Swirley_24 (A5), Switzerland_30 (A15), SydNat_24 (A5), TNguyen7_27 (A3), Taquarus_27 (A4), TarsusIV_28 (A2), Tarynearal_23 (A5), Taurus_29 (A3), Temprado_32 (A6), Texage_27 (A3), Thanksgivukkah_27 (A4), Theia_22 (A5), Tiffany_29 (A3), Tiger_24 (A5), Timothy_28 (A11), Timshel_28 (A7), TinaFeyge_27 (A4), TinyPebbles_29 (A3), TinyTimmy_28 (A11), Tinybot_26 (A4), TipsytheTRex_27 (A2), TiroTheta9_27 (A4), Toaka_27 (A9), Todacoro_28 (A3), Tomathan_31 (A2), ToneTone_29 (A6), Topanga_27 (A10), Toro_30 (A7), Travvers_31 (A2), Trike_25 (A10), Trixie_31 (A2), Trooper_28 (A2), TroyPia_27 (A4), Tubs_30 (A9), Tucker_31 (A6), Turbido_30 (A2), Twigg_24 (A5), Twister_27 (A10), TygerBlood_27 (A4), Ugenie5_27 (A9), Ulysses_26 (A4), UnionJack_24 (A5), Updawg_30 (A2), VA6_28 (A2), VC3_31 (A2), Vanisoa_27 (A9), Veracruz_27 (A3), Vix_29 (A3), VohminGhazi_31 (A6), Waits_30 (A15), WalterMcMickey_27 (A10), Wander_27 (A4), Warrior24_31 (A15), Watson_29 (A3), Whabigail7_30 (A2), WideWale_30 (A2), Wiks_31 (A6), Wilbur_27 (A4), Wile_27 (A4), Wizard007_27 (A4), Wooldri_31 (A3), WunderPhul_31 (A6), Xena_27 (A4), Yecey3_29 (A9), YoSam321_27 (A4), Yokurt_31 (A6), Zaka_31 (A6), Zetzy_28 (A3), Zimmer_30 (A12), Zolita_23 (A5), Zulu_31 (A6),

Start 109:

- Found in 223 of 2047 (10.9%) of genes in pham
- Manual Annotations of this start: 207 of 1874
- Called 96.0% 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), Arlo_26 (A1), Ashballer_27 (A1), Atkinbua_29 (A1), BK1_25 (A1), BPBiEbs31_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), 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), FrogHopper_28 (A1), Fushigi_28 (A1), GageAP_29 (A1), Gandalf20_28 (A1), Gompeii16_27 (A1), Graduation_29 (A1), GrecoEtereo_29 (A1), Greg_29 (A1), Gwendoluna_29 (A1), Gyzlar_29 (A1), Hami1_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), Inyanga_26 (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_26

(A1), Marge_28 (A1), Maroc7_26 (A1), Marsha_27 (A1), MaryBeth_27 (A1), McGuire_28 (A1), MetalQZJ_27 (A1), Michley_27 (A1), Mkhuseleli_28 (A1), Molly_28 (A1), Mollymur_31 (DL), 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), Payneful_27 (A1), Pelly_28 (A1), Pepe_28 (A1), Perseus_28 (A1), Peterson_30 (A1), Petp2012_29 (A1), Petruchio_28 (A1), PherrisBueller_28 (A1), PhrostyMug_27 (A1), PinkPlastic_26 (A1), Pinto_30 (A1), Pippin_29 (A1), Pita2_29 (A1), ProMouse_26 (A1), QTRlifeCrisis_27 (A1), Raid_28 (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_27 (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), 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 110:

- Found in 19 of 2047 (0.9%) of genes in pham
- Manual Annotations of this start: 14 of 1874
- Called 94.7% of time when present
- Phage (with cluster) where this start called: Abscondus_47 (CQ1), Aphelion_48 (CQ1), Bachita_50 (CQ1), BrutonGaster_36 (CQ2), ClubL_48 (CQ1), Cucurbita_50 (CQ1), Culver_48 (CQ1), Dusty_46 (CQ1), Engineer_49 (CQ1), Geeche_47 (CQ1), Lozinak_48 (CQ1), Miskis_50 (CQ1), Norvs_49 (CQ1), OneUp_42 (CQ2), PhinkBoden_48 (CQ1), Smoothie_49 (CQ1), Toniann_48 (CQ1), WilliamBoone_48 (CQ1),

Start 112:

- Found in 25 of 2047 (1.2%) of genes in pham
- Manual Annotations of this start: 3 of 1874
- Called 12.0% of time when present
- Phage (with cluster) where this start called: Cindaradix_26 (A4), Miramae_27 (A4), Noelle_27 (A4),

Start 113:

- Found in 6 of 2047 (0.3%) of genes in pham
- Manual Annotations of this start: 4 of 1874
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Bantam_30 (DL), Daredevil_29 (DL), DatBoi_31 (DL), SpeedDemon_320 (DL), Towmatter_29 (DL),

Start 116:

- Found in 4 of 2047 (0.2%) of genes in pham
- Manual Annotations of this start: 4 of 1874
- 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 117:

- Found in 15 of 2047 (0.7%) of genes in pham
- Manual Annotations of this start: 11 of 1874
- 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), Puppets_18 (CD), Reyja_19 (DY), Santhid_18 (DY), Tarzan_18 (DY), Trine_18 (CD), Upyo_18 (CD), Widow_18 (CD),

Start 118:

- Found in 9 of 2047 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 11.1% of time when present
- Phage (with cluster) where this start called: GAL1_20 (singleton),

Start 120:

- Found in 30 of 2047 (1.5%) of genes in pham
- Manual Annotations of this start: 4 of 1874
- Called 13.3% of time when present
- Phage (with cluster) where this start called: Bonanza_23 (CA), Dinger_23 (CA), Jester_23 (CA), Malibo_20 (DW),

Start 121:

- Found in 6 of 2047 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 1874
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Lilbeanie_30 (DE5), REQ2_20 (singleton), Whack_18 (singleton),

Start 123:

- Found in 21 of 2047 (1.0%) of genes in pham
- Manual Annotations of this start: 17 of 1874
- 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 124:

- Found in 225 of 2047 (11.0%) of genes in pham
- Manual Annotations of this start: 4 of 1874
- Called 3.6% of time when present
- Phage (with cluster) where this start called: Agaliana_28 (A1), GMonster_26 (A1), IgnatiusPatJac_26 (A1), Magnar_27 (A1), Papez_29 (A1), ShortQueendom_26 (A1), StewieG_26 (A1), Zeuska_28 (A1),

Start 125:

- Found in 15 of 2047 (0.7%) of genes in pham
- Manual Annotations of this start: 11 of 1874

- Called 80.0% 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), Sleepyhead_18 (singleton), Tiamoceli_33 (DE3), Twonlo_30 (DE3),

Start 126:

- Found in 20 of 2047 (1.0%) of genes in pham
- Manual Annotations of this start: 16 of 1874
- Called 85.0% 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), Mulch_22 (DI), Nadeem_22 (DI), NancyRae_22 (DI), Parada_22 (DI), Pimento_23 (DI), WheatThin_22 (DI), Zodiariah_18 (DW),

Start 130:

- Found in 37 of 2047 (1.8%) of genes in pham
- Manual Annotations of this start: 32 of 1874
- 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 132:

- Found in 5 of 2047 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1874
- Called 40.0% of time when present
- Phage (with cluster) where this start called: ArchiDore_19 (DW), Ruthy_19 (DW),

Start 136:

- Found in 83 of 2047 (4.1%) of genes in pham
- No Manual Annotations of this start.
- Called 3.6% of time when present
- Phage (with cluster) where this start called: Abblin_35 (DE4), Natkenzie_35 (DE4), Scioto_35 (DE4),

Start 139:

- Found in 6 of 2047 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: MakCheese_20 (DW),

Start 146:

- Found in 510 of 2047 (24.9%) of genes in pham
- Manual Annotations of this start: 1 of 1874
- Called 0.2% of time when present

- Phage (with cluster) where this start called: StepMih_29 (A3),

Start 147:

- Found in 175 of 2047 (8.5%) of genes in pham
- Manual Annotations of this start: 45 of 1874
- Called 30.3% of time when present
- Phage (with cluster) where this start called: Amao_24 (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), FairyPath_24 (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), Sassay_23 (E), 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 152:

- Found in 13 of 2047 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 1874
- Called 30.8% of time when present
- Phage (with cluster) where this start called: BabyMoney_21 (DT), Nyceirae_23 (DT), Phishy_22 (DT), Vordorf_22 (DT),

Start 157:

- Found in 7 of 2047 (0.3%) of genes in pham
- Manual Annotations of this start: 3 of 1874
- Called 42.9% of time when present
- Phage (with cluster) where this start called: Dogfish_21 (DT), Ewald_22 (DT), Meyran_21 (DT),

Start 166:

- Found in 23 of 2047 (1.1%) of genes in pham
- No Manual Annotations of this start.
- Called 4.3% of time when present
- Phage (with cluster) where this start called: GMA4_18 (singleton),

Start 169:

- Found in 46 of 2047 (2.2%) of genes in pham
- No Manual Annotations of this start.
- Called 2.2% of time when present
- Phage (with cluster) where this start called: RGL3_16 (CA),

Start 175:

- Found in 593 of 2047 (29.0%) of genes in pham
- Manual Annotations of this start: 47 of 1874
- Called 8.3% 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), DirtMcgirt_17 (F1), Fairfaxidum_19 (CV), Fenry_18 (CV), Frizzle_17 (DA),

Frokostdame_19 (CV), Gambino_21 (CV), Ghobes_16 (DA), Guacamole_19 (CV), Hitter_19 (CV), Jalamah_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), Sarma624_17 (F1), 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 183:

- Found in 251 of 2047 (12.3%) of genes in pham
- Manual Annotations of this start: 1 of 1874
- Called 0.4% of time when present
- Phage (with cluster) where this start called: Cjw1_24 (E),

Start 194:

- Found in 103 of 2047 (5.0%) of genes in pham
- Manual Annotations of this start: 87 of 1874
- Called 97.1% 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), Arti_41 (CR2), BatStarr_19 (CZ1), BaxterFox_18 (CZ3), Beenie_20 (CZ4), Bialota_19 (CZ1), Bonum_44 (CR2), Bosnia_19 (CZ1), BoyNamedSue_19 (CZ1), Buggaboo_42 (CR2), Bunnybear_18 (CZ), Clark_20 (CZ4), Commandaria_43 (CR2), Dalilpop_46 (CR1), DobbysSock_19 (CZ4), Dolores_20 (CZ4), Dorito_19 (CZ4), Easley_20 (CZ4), Emianna_41 (CR2), Ennea_47 (CR3), Eudoria_19 (CZ1), Eviarto_19 (CZ1), Flapper_45 (CR1), Float294_43 (CR3), Foxboro_42 (CR2), Fury_50 (CR5), GRU1_31 (CR1), GTE5_32 (CR1), GTE8_30 (CR2), GrootJr_43 (CR2), Herod_19 (CZ1), Hortense_20 (CZ4), Howe_20 (CZ4), Hugley_19 (CZ1), Hyzer_19 (CZ1), IDyn_42 (CR4), Invetra_21 (CZ4), Jifall16_40 (CR2), Kabluna_44 (CR2), KidneyBean_41 (CR2), Kita_19 (CZ1), Kurt_41 (CR2), Lollipop1437_46 (CR3), Madeline_19 (CZ1), Manasvini_19 (CZ1), Maridalia_18 (CZ1), Mbo4_17 (singleton), Mcklovin_20 (CZ4), MerCougar_42 (CR2), MichaelScott_20 (CZ4), NadineRae_41 (CR4), NatB6_41 (CR2), Neobush_19 (CZ1), NosilaM_44 (CR2), NovumRegina_41 (CR2), Nymphadora_19 (CZ1), Ohgeesy_19 (CZ), Oregano_20 (CZ4), Outis_42 (CR2), P1201_47 (singleton), PantheRoc_19 (CZ3), Patio_44 (CR3), Phomeo_40 (CR2), PhriskyACE_19 (CZ4), Pleakley_50 (CR5), Polly_19 (CZ1), Powerball_19 (CZ4), RedRaider_48 (CR3), Samman98_20 (CZ4), Scuba_50 (CR5), Sekhmet_20 (CZ4), Shlim410_20 (CZ4), Sidious_19 (CZ7), Skysand_43 (CR3), StarStruck_42 (CR2), Suerte_18 (CZ4), Sukkupi_43 (CR4), SuperSulley_42 (CR2), Suscepit_19 (CZ1), Tayonia_19 (CZ1), ThankyouJordi_18 (CZ1), Thimann_20 (CZ4), TimTam_19 (CZ1), TinyDot_19 (singleton), Tracker_41 (CR2), Trumpet_19 (CZ1), Turuncu_45 (CR1), Twinkle_20 (CZ4), WelcomeAyanna_18 (CZ1), Wheezy_41 (CR2), WhoseManz_43 (CR4), WinkNick_20 (CZ4), Yeezy_20 (CZ3), Yndexa_43 (CR4), Zameen_19 (CZ1), Zirinka_19 (CZ1),

Start 195:

- Found in 106 of 2047 (5.2%) of genes in pham
- Manual Annotations of this start: 39 of 1874
- Called 39.6% of time when present
- Phage (with cluster) where this start called: Attis_17 (CZ2), Bjanes7_17 (CZ2), C3PO_31 (EN), Clap_17 (CZ2), Cruella_31 (EN), Cynthia_17 (CZ2), Darwin_34 (EN), Denise_17 (CZ5), Ebert_17 (CZ2), EdnaMode_17 (CZ2), Eyre_17 (singleton), Faith5x5_17 (CZ6), FroggyToad_17 (CZ2), GemG_17 (CZ2), Gizermo_17 (CZ2),

Gudmit_18 (singleton), Haley23_17 (CZ2), JCole_17 (CZ2), Kimchi1738_31 (EN), 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), PeteyPab_33 (EN), Pickett_17 (CZ2), PotatoChip_34 (EN), RavenCo17_17 (CZ8), Sahara_17 (CZ2), Savage_17 (CZ2), SoilAssassin_17 (CZ2), Sproutie_17 (CZ2), Stickynote_33 (EN), TuerX_17 (CZ2), Vasanti_17 (CZ2), Whiteclaw_17 (CZ2), Yeet412_17 (CZ2), Zion_34 (EN),

Start 196:

- Found in 269 of 2047 (13.1%) of genes in pham
- Manual Annotations of this start: 7 of 1874
- Called 2.6% 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), Polyyuki_45 (CR),

Start 197:

- Found in 41 of 2047 (2.0%) of genes in pham
- Manual Annotations of this start: 1 of 1874
- Called 2.4% of time when present
- Phage (with cluster) where this start called: ChewyVIII_56 (singleton),

Start 198:

- Found in 20 of 2047 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 1874
- Called 10.0% of time when present
- Phage (with cluster) where this start called: BiPauneto_44 (CR4), HubbaBubba_40 (CR4),

Start 201:

- Found in 3 of 2047 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1874
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Finkle_19 (singleton), GMA1_19 (singleton),

Start 209:

- Found in 53 of 2047 (2.6%) of genes in pham
- Manual Annotations of this start: 1 of 1874
- Called 1.9% of time when present
- Phage (with cluster) where this start called: Marietta_43 (CR4),

Start 217:

- Found in 1 of 2047 (0.0%) of genes in pham
- Manual Annotations of this start: 1 of 1874
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jace_17 (singleton),

Start 268:

- Found in 537 of 2047 (26.2%) of genes in pham
- Manual Annotations of this start: 11 of 1874
- Called 2.2% of time when present

- Phage (with cluster) where this start called: Banquo_26 (CU1), Catfish_22 (CU5), Dardanus_24 (CU3), DinoDaryn_24 (CU1), Goib_23 (CU1), Gspu1_20 (CU2), Huffy_24 (CU1), Schmidt_20 (CU4), Splinter_22 (CU1), TZGordon_24 (CU1), TinaLin_25 (CU1), Vendetta_22 (CU1),

Summary by clusters:

There are 102 clusters represented in this pham: G5, G4, G3, G2, G1, CQ2, CQ1, F1, X, CZ8, CZ2, CZ3, CZ1, CZ6, CZ7, CZ4, CZ5, EN, P2, P3, P1, P6, P4, P5, O, EP, CR2, CR3, CR1, CR4, CR5, DE2, DE3, DE4, DE5, singleton, K3, K2, K1, K7, K6, K5, K4, K8, CU5, CU4, CU3, CU2, CU1, DN4, F, CA, J, N, CZ, CR, Z, CV, A20, A21, F3, F4, DN, DL, DK, DH, DI, DD, DE, DA, DY, DW, DT, DS, A15, A14, A17, A16, A11, A10, A13, A12, I1, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, A, AB, E, AG, AH, Q, Y, CD,

Info for manual annotations of cluster A:

- Start number 108 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A1:

- Start number 109 was manually annotated 205 times for cluster A1.
- Start number 124 was manually annotated 4 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 108 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 108 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 108 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 108 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 90 was manually annotated 1 time for cluster A15.
- Start number 108 was manually annotated 20 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 108 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 109 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 108 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 90 was manually annotated 5 times for cluster A2.
- Start number 108 was manually annotated 97 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 108 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:

- Start number 108 was manually annotated 112 times for cluster A3.
- Start number 146 was manually annotated 1 time for cluster A3.

Info for manual annotations of cluster A4:

- Start number 108 was manually annotated 134 times for cluster A4.
- Start number 112 was manually annotated 3 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 99 was manually annotated 1 time for cluster A5.
- Start number 108 was manually annotated 37 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 90 was manually annotated 2 times for cluster A6.
- Start number 108 was manually annotated 40 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 108 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 108 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 105 was manually annotated 8 times for cluster A9.
- Start number 108 was manually annotated 26 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 59 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AG:

- Start number 60 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AH:

- Start number 78 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster CA:

- Start number 120 was manually annotated 3 times for cluster CA.
- Start number 130 was manually annotated 32 times for cluster CA.

Info for manual annotations of cluster CD:

- Start number 117 was manually annotated 6 times for cluster CD.
- Start number 125 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster CQ1:

- Start number 110 was manually annotated 12 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 110 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CR:

- Start number 196 was manually annotated 7 times for cluster CR.

Info for manual annotations of cluster CR1:

- Start number 194 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 194 was manually annotated 20 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 194 was manually annotated 5 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 194 was manually annotated 5 times for cluster CR4.
- Start number 198 was manually annotated 1 time for cluster CR4.
- Start number 209 was manually annotated 1 time for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 194 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster CU1:

- Start number 268 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 268 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 268 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 268 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:

- Start number 175 was manually annotated 42 times for cluster CV.

Info for manual annotations of cluster CZ:

- Start number 194 was manually annotated 2 times for cluster CZ.
- Start number 195 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 194 was manually annotated 25 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 195 was manually annotated 23 times for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 194 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 194 was manually annotated 20 times for cluster CZ4.

Info for manual annotations of cluster CZ5:

- Start number 195 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 195 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster CZ7:

- Start number 194 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster CZ8:

- Start number 195 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DA:

- Start number 175 was manually annotated 3 times for cluster DA.

Info for manual annotations of cluster DD:

- Start number 106 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DE2:

- Start number 123 was manually annotated 8 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 125 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 123 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 121 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DH:

- Start number 108 was manually annotated 2 times for cluster DH.

Info for manual annotations of cluster DI:

- Start number 126 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DK:

- Start number 125 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:

- Start number 109 was manually annotated 1 time for cluster DL.
- Start number 113 was manually annotated 4 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 108 was manually annotated 4 times for cluster DN.

Info for manual annotations of cluster DN4:

- Start number 108 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DS:

- Start number 84 was manually annotated 1 time for cluster DS.
- Start number 116 was manually annotated 4 times for cluster DS.

Info for manual annotations of cluster DT:

- Start number 152 was manually annotated 2 times for cluster DT.
- Start number 157 was manually annotated 3 times for cluster DT.

Info for manual annotations of cluster DW:

- Start number 120 was manually annotated 1 time for cluster DW.
- Start number 126 was manually annotated 1 time for cluster DW.
- Start number 132 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:

- Start number 117 was manually annotated 5 times for cluster DY.

Info for manual annotations of cluster E:

- Start number 94 was manually annotated 78 times for cluster E.
- Start number 147 was manually annotated 44 times for cluster E.
- Start number 183 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster EN:

- Start number 195 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster EP:

- Start number 83 was manually annotated 8 times for cluster EP.

Info for manual annotations of cluster F1:

- Start number 87 was manually annotated 206 times for cluster F1.
- Start number 89 was manually annotated 1 time for cluster F1.
- Start number 175 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 87 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 77 was manually annotated 1 time for cluster F4.
- Start number 94 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster G1:

- Start number 75 was manually annotated 20 times for cluster G1.
- Start number 97 was manually annotated 40 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 97 was manually annotated 2 times for cluster G2.
- Start number 99 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:

- Start number 97 was manually annotated 1 time for cluster G3.

Info for manual annotations of cluster G4:

- Start number 57 was manually annotated 1 time for cluster G4.
- Start number 58 was manually annotated 1 time for cluster G4.

Info for manual annotations of cluster G5:

- Start number 97 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster I1:

- Start number 96 was manually annotated 6 times for cluster I1.

Info for manual annotations of cluster J:

- Start number 89 was manually annotated 29 times for cluster J.
- Start number 147 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster K1:

- Start number 75 was manually annotated 2 times for cluster K1.
- Start number 78 was manually annotated 2 times for cluster K1.
- Start number 79 was manually annotated 99 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 78 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 79 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 78 was manually annotated 4 times for cluster K4.
- Start number 79 was manually annotated 13 times for cluster K4.
- Start number 99 was manually annotated 2 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 81 was manually annotated 15 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 56 was manually annotated 1 time for cluster K6.
- Start number 62 was manually annotated 1 time for cluster K6.
- Start number 75 was manually annotated 3 times for cluster K6.
- Start number 78 was manually annotated 1 time for cluster K6.
- Start number 79 was manually annotated 16 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 79 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 79 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster N:

- Start number 91 was manually annotated 42 times for cluster N.

Info for manual annotations of cluster O:

- Start number 69 was manually annotated 2 times for cluster O.
- Start number 74 was manually annotated 26 times for cluster O.

Info for manual annotations of cluster P1:

- Start number 71 was manually annotated 2 times for cluster P1.
- Start number 82 was manually annotated 37 times for cluster P1.

Info for manual annotations of cluster P2:

- Start number 82 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 82 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:

- Start number 82 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 82 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:

- Start number 82 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster Q:

- Start number 78 was manually annotated 22 times for cluster Q.

Info for manual annotations of cluster X:

- Start number 68 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 51 was manually annotated 4 times for cluster Y.

Info for manual annotations of cluster Z:

- Start number 78 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 20ES_28 Start: 20226, Stop: 21998, Start Num: 108

Candidate Starts for 20ES_28:

(Start: 90 @20202 has 8 MA's), (Start: 108 @20226 has 545 MA's), (173, 20325), (232, 20460), (233, 20463), (262, 20535), (264, 20538), (289, 20592), (292, 20598), (301, 20631), (338, 20709), (373, 20796), (412, 20877), (413, 20880), (551, 21153), (592, 21258), (597, 21273), (637, 21399), (639, 21405), (669, 21453), (693, 21516), (698, 21531), (701, 21537), (724, 21591), (735, 21630), (738, 21645), (760, 21729),

Gene: 244_26 Start: 20026, Stop: 21705, Start Num: 94

Candidate Starts for 244_26:

(Start: 94 @20026 has 79 MA's), (Start: 147 @20110 has 45 MA's), (Start: 183 @20188 has 1 MA's), (227, 20275), (233, 20290), (257, 20338), (271, 20377), (306, 20464), (321, 20497), (342, 20533), (354, 20563), (356, 20569), (400, 20638), (424, 20668), (428, 20680), (429, 20683), (456, 20740), (517, 20872), (520, 20878), (547, 20944), (549, 20950), (556, 20974), (573, 21022), (584, 21046), (589, 21055), (616, 21130), (671, 21181), (678, 21196), (736, 21358), (742, 21385), (751, 21415), (780, 21520), (815, 21598), (822, 21634), (824, 21643), (833, 21676), (838, 21691),

Gene: 32HC_26 Start: 18979, Stop: 20718, Start Num: 78

Candidate Starts for 32HC_26:

(Start: 78 @18979 has 41 MA's), (141, 19051), (Start: 175 @19114 has 47 MA's), (193, 19171), (265, 19351), (293, 19414), (309, 19465), (318, 19486), (343, 19531), (399, 19648), (401, 19651), (434, 19735), (435, 19738), (442, 19753), (454, 19771), (500, 19831), (611, 20098), (631, 20161), (647, 20209), (753, 20434), (757, 20452), (791, 20536), (815, 20605), (834, 20689), (835, 20692), (843, 20710),

Gene: 40AC_31 Start: 22419, Stop: 24191, Start Num: 108

Candidate Starts for 40AC_31:

(Start: 90 @22395 has 8 MA's), (Start: 108 @22419 has 545 MA's), (173, 22518), (Start: 183 @22554 has 1 MA's), (232, 22653), (233, 22656), (262, 22728), (264, 22731), (289, 22785), (306, 22842), (338, 22902), (347, 22920), (373, 22989), (410, 23064), (412, 23070), (413, 23073), (515, 23262), (551, 23346), (552, 23349), (563, 23385), (592, 23451), (597, 23466), (636, 23589), (639, 23598), (645, 23613), (669, 23646), (681, 23676), (693, 23709), (698, 23724), (705, 23739), (724, 23784), (735, 23823), (738, 23838), (760, 23922), (780, 23988), (792, 24027), (794, 24033), (813, 24087), (823, 24129),

Gene: 8UZL_21 Start: 16005, Stop: 17855, Start Num: 59

Candidate Starts for 8UZL_21:

(49, 15969), (Start: 59 @16005 has 4 MA's), (101, 16083), (139, 16143), (Start: 175 @16209 has 47 MA's), (190, 16260), (Start: 196 @16275 has 7 MA's), (Start: 197 @16278 has 1 MA's), (326, 16584), (354, 16641), (373, 16689), (375, 16692), (392, 16755), (399, 16776), (405, 16794), (426, 16839), (429, 16848), (434, 16863), (447, 16887), (520, 16998), (538, 17037), (545, 17058), (556, 17094), (557, 17097), (577, 17139), (583, 17154), (586, 17160), (721, 17469), (727, 17478), (728, 17484), (732, 17496), (742, 17526), (747, 17544), (749, 17550), (791, 17670), (810, 17727), (832, 17814), (834, 17823),

Gene: A6_25 Start: 20661, Stop: 22463, Start Num: 109

Candidate Starts for A6_25:

(Start: 109 @20661 has 207 MA's), (Start: 124 @20682 has 4 MA's), (Start: 146 @20724 has 1 MA's), (171, 20769), (264, 20985), (283, 21030), (289, 21039), (301, 21078), (321, 21129), (322, 21132), (413, 21327), (449, 21396), (545, 21585), (549, 21597), (551, 21600), (556, 21621), (596, 21717), (597, 21720), (599, 21726), (623, 21795), (628, 21813), (630, 21822), (639, 21852), (681, 21948), (693, 21981), (698, 21996), (745, 22137), (760, 22194), (794, 22305),

Gene: ABCat_23 Start: 19745, Stop: 21424, Start Num: 94

Candidate Starts for ABCat_23:

(Start: 94 @19745 has 79 MA's), (Start: 147 @19829 has 45 MA's), (Start: 183 @19907 has 1 MA's), (227, 19994), (233, 20009), (257, 20057), (271, 20096), (306, 20183), (321, 20216), (342, 20252), (354, 20282), (356, 20288), (400, 20357), (424, 20387), (428, 20399), (429, 20402), (456, 20459), (517, 20591), (520, 20597), (547, 20663), (549, 20669), (556, 20693), (573, 20741), (584, 20765), (589, 20774), (616, 20849), (671, 20900), (678, 20915), (736, 21077), (742, 21104), (751, 21134), (780, 21239), (815, 21317), (822, 21353), (824, 21362), (833, 21395), (838, 21410),

Gene: ACFishhook_29 Start: 20541, Stop: 22337, Start Num: 108

Candidate Starts for ACFishhook_29:

(Start: 108 @20541 has 545 MA's), (Start: 146 @20598 has 1 MA's), (154, 20613), (179, 20667), (Start: 183 @20682 has 1 MA's), (227, 20769), (232, 20781), (233, 20784), (264, 20859), (Start: 268 @20874 has 11 MA's), (373, 21117), (449, 21270), (495, 21357), (549, 21471), (556, 21495), (559, 21507), (563, 21513), (597, 21594), (623, 21669), (628, 21687), (630, 21696), (637, 21720), (639, 21726), (653, 21765), (680, 21819), (681, 21822), (689, 21843), (760, 22068), (792, 22173), (794, 22179), (833, 22314),

Gene: AFIS_27 Start: 21204, Stop: 23006, Start Num: 109

Candidate Starts for AFIS_27:

(Start: 109 @21204 has 207 MA's), (Start: 124 @21225 has 4 MA's), (Start: 146 @21267 has 1 MA's), (171, 21312), (264, 21528), (283, 21573), (289, 21582), (301, 21621), (321, 21672), (322, 21675), (413, 21870), (449, 21939), (549, 22140), (551, 22143), (556, 22164), (596, 22260), (597, 22263), (599, 22269), (623, 22338), (628, 22356), (630, 22365), (639, 22395), (681, 22491), (693, 22524),

(698, 22539), (745, 22680), (760, 22737), (794, 22848), (840, 23001),

Gene: AN3_28 Start: 20204, Stop: 21994, Start Num: 108

Candidate Starts for AN3_28:

(65, 20138), (Start: 90 @20180 has 8 MA's), (Start: 108 @20204 has 545 MA's), (232, 20438), (233, 20441), (262, 20513), (264, 20516), (Start: 268 @20531 has 11 MA's), (289, 20570), (292, 20576), (338, 20687), (347, 20705), (352, 20720), (373, 20774), (412, 20855), (413, 20858), (495, 21014), (513, 21044), (553, 21137), (597, 21251), (637, 21377), (693, 21512), (698, 21527), (710, 21551), (735, 21626), (736, 21629), (738, 21641), (760, 21725), (784, 21803), (792, 21830), (794, 21836), (809, 21881), (813, 21890), (833, 21971),

Gene: AN9_31 Start: 20192, Stop: 21982, Start Num: 108

Candidate Starts for AN9_31:

(65, 20126), (Start: 90 @20168 has 8 MA's), (Start: 108 @20192 has 545 MA's), (232, 20426), (233, 20429), (262, 20501), (264, 20504), (Start: 268 @20519 has 11 MA's), (289, 20558), (292, 20564), (338, 20675), (347, 20693), (352, 20708), (373, 20762), (412, 20843), (413, 20846), (495, 21002), (513, 21032), (553, 21125), (597, 21239), (637, 21365), (693, 21500), (698, 21515), (710, 21539), (735, 21614), (736, 21617), (738, 21629), (760, 21713), (784, 21791), (792, 21818), (794, 21824), (809, 21869), (813, 21878), (833, 21959),

Gene: ANI8_31 Start: 20192, Stop: 21982, Start Num: 108

Candidate Starts for ANI8_31:

(65, 20126), (Start: 90 @20168 has 8 MA's), (Start: 108 @20192 has 545 MA's), (232, 20426), (233, 20429), (262, 20501), (264, 20504), (Start: 268 @20519 has 11 MA's), (289, 20558), (292, 20564), (338, 20675), (347, 20693), (352, 20708), (373, 20762), (412, 20843), (413, 20846), (495, 21002), (513, 21032), (553, 21125), (597, 21239), (637, 21365), (693, 21500), (698, 21515), (710, 21539), (735, 21614), (736, 21617), (738, 21629), (760, 21713), (784, 21791), (792, 21818), (794, 21824), (809, 21869), (813, 21878), (833, 21959),

Gene: APunk_36 Start: 30211, Stop: 31833, Start Num: 123

Candidate Starts for APunk_36:

(Start: 84 @30154 has 1 MA's), (Start: 123 @30211 has 17 MA's), (136, 30232), (144, 30244), (173, 30295), (184, 30334), (Start: 195 @30358 has 39 MA's), (232, 30430), (266, 30517), (292, 30568), (300, 30598), (338, 30679), (351, 30706), (430, 30805), (443, 30835), (451, 30844), (462, 30877), (463, 30880), (490, 30940), (515, 30988), (520, 30997), (558, 31096), (575, 31135), (581, 31147), (667, 31291), (678, 31315), (688, 31342), (712, 31402), (713, 31405), (722, 31432), (727, 31447), (740, 31504), (743, 31516), (756, 31564), (759, 31573), (760, 31579), (766, 31600), (776, 31633), (795, 31678), (815, 31729), (833, 31807), (835, 31816),

Gene: Abblin_35 Start: 30775, Stop: 32376, Start Num: 136

Candidate Starts for Abblin_35:

(Start: 123 @30754 has 17 MA's), (136, 30775), (144, 30787), (173, 30838), (Start: 195 @30901 has 39 MA's), (232, 30973), (266, 31060), (292, 31111), (300, 31141), (338, 31222), (351, 31249), (430, 31348), (443, 31378), (451, 31387), (462, 31420), (463, 31423), (465, 31426), (468, 31435), (490, 31483), (515, 31531), (520, 31540), (558, 31639), (575, 31678), (581, 31690), (623, 31807), (673, 31846), (688, 31885), (711, 31942), (725, 31981), (727, 31990), (740, 32047), (743, 32059), (759, 32116), (760, 32122), (766, 32143), (776, 32176), (795, 32221), (833, 32350), (835, 32359),

Gene: AbbyPaige_30 Start: 20697, Stop: 22469, Start Num: 108

Candidate Starts for AbbyPaige_30:

(Start: 90 @20673 has 8 MA's), (Start: 108 @20697 has 545 MA's), (173, 20796), (202, 20880), (232, 20931), (233, 20934), (262, 21006), (264, 21009), (289, 21063), (301, 21102), (338, 21180), (373, 21267), (412, 21348), (413, 21351), (513, 21537), (551, 21624), (592, 21729), (597, 21744), (637,

21870), (639, 21876), (669, 21924), (698, 22002), (701, 22008), (724, 22062), (735, 22101), (738, 22116), (760, 22200), (794, 22311),

Gene: AbbysRanger_27 Start: 19840, Stop: 21639, Start Num: 108

Candidate Starts for AbbysRanger_27:

(Start: 90 @19816 has 8 MA's), (Start: 108 @19840 has 545 MA's), (Start: 146 @19900 has 1 MA's), (179, 19969), (208, 20047), (227, 20071), (232, 20083), (233, 20086), (247, 20122), (264, 20161), (Start: 268 @20176 has 11 MA's), (289, 20215), (322, 20308), (338, 20332), (373, 20419), (430, 20533), (449, 20572), (495, 20659), (522, 20704), (549, 20773), (556, 20797), (559, 20809), (597, 20896), (623, 20971), (628, 20989), (630, 20998), (637, 21022), (639, 21028), (645, 21043), (662, 21076), (680, 21121), (681, 21124), (689, 21145), (760, 21370), (784, 21448), (792, 21475), (794, 21481), (833, 21616),

Gene: Abbysshoes_28 Start: 21319, Stop: 23121, Start Num: 109

Candidate Starts for Abbysshoes_28:

(Start: 109 @21319 has 207 MA's), (Start: 124 @21340 has 4 MA's), (Start: 146 @21382 has 1 MA's), (171, 21427), (264, 21643), (283, 21688), (289, 21697), (301, 21736), (321, 21787), (322, 21790), (413, 21985), (449, 22054), (549, 22255), (551, 22258), (556, 22279), (596, 22375), (597, 22378), (599, 22384), (623, 22453), (628, 22471), (630, 22480), (639, 22510), (681, 22606), (693, 22639), (698, 22654), (745, 22795), (760, 22852), (794, 22963),

Gene: Abdiel_26 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for Abdiel_26:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (736, 21237), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: Abrogate_280 Start: 21879, Stop: 23681, Start Num: 109

Candidate Starts for Abrogate_280:

(Start: 109 @21879 has 207 MA's), (Start: 124 @21900 has 4 MA's), (Start: 146 @21942 has 1 MA's), (171, 21987), (264, 22203), (283, 22248), (289, 22257), (301, 22296), (321, 22347), (322, 22350), (413, 22545), (449, 22614), (549, 22815), (551, 22818), (556, 22839), (596, 22935), (597, 22938), (599, 22944), (623, 23013), (628, 23031), (630, 23040), (639, 23070), (681, 23166), (693, 23199), (698, 23214), (745, 23355), (760, 23412), (794, 23523),

Gene: Abscondus_47 Start: 29340, Stop: 31031, Start Num: 110

Candidate Starts for Abscondus_47:

(Start: 110 @29340 has 14 MA's), (144, 29400), (159, 29433), (174, 29463), (176, 29466), (244, 29625), (249, 29634), (301, 29763), (319, 29811), (456, 30024), (458, 30030), (466, 30054), (529, 30183), (538, 30204), (549, 30237), (616, 30435), (713, 30588), (742, 30687), (745, 30699), (748, 30708), (771, 30792), (823, 30939), (832, 30975),

Gene: Achebe_26 Start: 19823, Stop: 21622, Start Num: 108

Candidate Starts for Achebe_26:

(Start: 90 @19799 has 8 MA's), (Start: 108 @19823 has 545 MA's), (Start: 112 @19829 has 3 MA's), (Start: 146 @19883 has 1 MA's), (179, 19952), (208, 20030), (227, 20054), (233, 20069), (247, 20105), (264, 20144), (Start: 268 @20159 has 11 MA's), (289, 20198), (322, 20291), (338, 20315), (373, 20402), (430, 20516), (449, 20555), (495, 20642), (522, 20687), (549, 20756), (556, 20780), (559, 20792), (597, 20879), (623, 20954), (628, 20972), (630, 20981), (637, 21005), (639, 21011), (645,

21026), (662, 21059), (680, 21104), (681, 21107), (689, 21128), (760, 21353), (784, 21431), (792, 21458), (794, 21464), (833, 21599),

Gene: Acme_29 Start: 21420, Stop: 23222, Start Num: 109

Candidate Starts for Acme_29:

(Start: 109 @21420 has 207 MA's), (Start: 124 @21441 has 4 MA's), (Start: 146 @21483 has 1 MA's), (171, 21528), (264, 21744), (283, 21789), (289, 21798), (301, 21837), (321, 21888), (322, 21891), (413, 22086), (449, 22155), (549, 22356), (551, 22359), (556, 22380), (596, 22476), (597, 22479), (599, 22485), (623, 22554), (628, 22572), (630, 22581), (639, 22611), (681, 22707), (693, 22740), (698, 22755), (745, 22896), (760, 22953), (794, 23064),

Gene: Acolyte_28 Start: 20741, Stop: 22531, Start Num: 108

Candidate Starts for Acolyte_28:

(65, 20675), (Start: 90 @20717 has 8 MA's), (Start: 108 @20741 has 545 MA's), (173, 20840), (Start: 183 @20876 has 1 MA's), (189, 20894), (208, 20939), (227, 20963), (232, 20975), (233, 20978), (262, 21050), (264, 21053), (289, 21107), (292, 21113), (338, 21224), (347, 21242), (373, 21311), (406, 21371), (413, 21395), (441, 21455), (449, 21464), (495, 21551), (513, 21581), (559, 21701), (563, 21707), (597, 21788), (637, 21914), (653, 21959), (681, 22016), (693, 22049), (698, 22064), (710, 22088), (724, 22124), (735, 22163), (738, 22178), (760, 22262), (792, 22367), (794, 22373), (813, 22427), (833, 22508),

Gene: ActinUp_23 Start: 17157, Stop: 18923, Start Num: 79

Candidate Starts for ActinUp_23:

(Start: 79 @17157 has 139 MA's), (101, 17187), (184, 17346), (Start: 196 @17379 has 7 MA's), (210, 17409), (221, 17442), (227, 17454), (266, 17544), (288, 17586), (310, 17658), (315, 17667), (338, 17706), (356, 17751), (363, 17772), (365, 17775), (393, 17829), (399, 17847), (412, 17889), (418, 17895), (430, 17922), (515, 18060), (525, 18078), (541, 18120), (548, 18138), (558, 18168), (573, 18195), (612, 18300), (681, 18459), (694, 18495), (706, 18525), (718, 18534), (745, 18609), (759, 18660), (795, 18759), (824, 18855), (834, 18894), (835, 18897), (843, 18915),

Gene: Adahisdi_28 Start: 21327, Stop: 23129, Start Num: 109

Candidate Starts for Adahisdi_28:

(Start: 109 @21327 has 207 MA's), (Start: 124 @21348 has 4 MA's), (Start: 146 @21390 has 1 MA's), (171, 21435), (264, 21651), (283, 21696), (289, 21705), (301, 21744), (321, 21795), (322, 21798), (413, 21993), (449, 22062), (549, 22263), (551, 22266), (556, 22287), (596, 22383), (597, 22386), (599, 22392), (623, 22461), (628, 22479), (630, 22488), (639, 22518), (681, 22614), (693, 22647), (698, 22662), (745, 22803), (760, 22860), (794, 22971),

Gene: Adelaide_17 Start: 16318, Stop: 18015, Start Num: 83

Candidate Starts for Adelaide_17:

(Start: 83 @16318 has 8 MA's), (Start: 99 @16339 has 4 MA's), (153, 16423), (169, 16450), (171, 16456), (229, 16588), (251, 16639), (264, 16672), (272, 16696), (321, 16816), (341, 16849), (350, 16867), (369, 16921), (399, 16966), (423, 17023), (428, 17035), (444, 17074), (507, 17134), (517, 17155), (522, 17164), (545, 17221), (576, 17311), (619, 17419), (634, 17473), (637, 17479), (647, 17497), (703, 17593), (720, 17614), (737, 17659), (782, 17818), (789, 17833), (793, 17848), (795, 17860), (838, 18004),

Gene: Adephagia_23 Start: 17154, Stop: 18920, Start Num: 79

Candidate Starts for Adephagia_23:

(Start: 79 @17154 has 139 MA's), (101, 17184), (184, 17343), (Start: 196 @17376 has 7 MA's), (210, 17406), (221, 17439), (227, 17451), (266, 17541), (288, 17583), (310, 17655), (315, 17664), (338, 17703), (356, 17748), (363, 17769), (365, 17772), (393, 17826), (399, 17844), (412, 17886), (418, 17892), (430, 17919), (515, 18057), (525, 18075), (541, 18117), (548, 18135), (558, 18165), (573,

18192), (612, 18297), (681, 18456), (694, 18492), (706, 18522), (718, 18531), (745, 18606), (759, 18657), (795, 18756), (824, 18852), (834, 18891), (835, 18894), (843, 18912),

Gene: Adnama_27 Start: 20253, Stop: 21932, Start Num: 94

Candidate Starts for Adnama_27:

(Start: 94 @20253 has 79 MA's), (Start: 147 @20337 has 45 MA's), (Start: 183 @20415 has 1 MA's), (227, 20502), (233, 20517), (257, 20565), (271, 20604), (306, 20691), (321, 20724), (342, 20760), (354, 20790), (356, 20796), (400, 20865), (424, 20895), (428, 20907), (429, 20910), (456, 20967), (517, 21099), (520, 21105), (547, 21171), (549, 21177), (556, 21201), (573, 21249), (584, 21273), (589, 21282), (616, 21357), (671, 21408), (678, 21423), (736, 21585), (742, 21612), (751, 21642), (780, 21747), (815, 21825), (822, 21861), (824, 21870), (833, 21903), (838, 21918),

Gene: Adonis_23 Start: 17160, Stop: 18926, Start Num: 79

Candidate Starts for Adonis_23:

(Start: 79 @17160 has 139 MA's), (101, 17190), (184, 17349), (Start: 196 @17382 has 7 MA's), (210, 17412), (221, 17445), (227, 17457), (266, 17547), (288, 17589), (310, 17661), (315, 17670), (338, 17709), (356, 17754), (363, 17775), (365, 17778), (393, 17832), (399, 17850), (412, 17892), (418, 17898), (430, 17925), (515, 18063), (525, 18081), (541, 18123), (548, 18141), (558, 18171), (573, 18198), (612, 18303), (681, 18462), (694, 18498), (718, 18537), (745, 18612), (759, 18663), (824, 18858), (834, 18897), (835, 18900), (843, 18918),

Gene: Adora_20 Start: 17855, Stop: 19435, Start Num: 194

Candidate Starts for Adora_20:

(149, 17738), (Start: 194 @17855 has 87 MA's), (310, 18113), (321, 18134), (351, 18188), (363, 18227), (397, 18284), (405, 18305), (518, 18476), (527, 18494), (537, 18518), (543, 18539), (564, 18581), (592, 18662), (623, 18752), (638, 18803), (655, 18854), (662, 18857), (682, 18911), (716, 19001), (796, 19280), (797, 19289), (810, 19319),

Gene: Adzzy_29 Start: 18919, Stop: 20709, Start Num: 108

Candidate Starts for Adzzy_29:

(65, 18853), (Start: 90 @18895 has 8 MA's), (Start: 108 @18919 has 545 MA's), (143, 18964), (151, 18979), (189, 19072), (232, 19153), (233, 19156), (262, 19228), (264, 19231), (Start: 268 @19246 has 11 MA's), (289, 19285), (292, 19291), (338, 19402), (341, 19408), (352, 19435), (373, 19489), (412, 19570), (495, 19729), (513, 19759), (553, 19852), (563, 19885), (583, 19936), (597, 19966), (637, 20092), (674, 20173), (678, 20182), (693, 20227), (698, 20242), (710, 20266), (735, 20341), (736, 20344), (738, 20356), (760, 20440), (792, 20545), (813, 20605), (833, 20686),

Gene: Aeneas_29 Start: 21456, Stop: 23258, Start Num: 109

Candidate Starts for Aeneas_29:

(Start: 109 @21456 has 207 MA's), (Start: 124 @21477 has 4 MA's), (Start: 146 @21519 has 1 MA's), (171, 21564), (264, 21780), (283, 21825), (289, 21834), (301, 21873), (321, 21924), (322, 21927), (413, 22122), (449, 22191), (549, 22392), (551, 22395), (556, 22416), (596, 22512), (597, 22515), (599, 22521), (623, 22590), (628, 22608), (630, 22617), (639, 22647), (681, 22743), (693, 22776), (698, 22791), (745, 22932), (760, 22989), (794, 23100),

Gene: Agaliana_28 Start: 21421, Stop: 23202, Start Num: 124

Candidate Starts for Agaliana_28:

(Start: 109 @21400 has 207 MA's), (Start: 124 @21421 has 4 MA's), (Start: 146 @21463 has 1 MA's), (171, 21508), (264, 21724), (283, 21769), (289, 21778), (321, 21868), (322, 21871), (338, 21895), (413, 22066), (449, 22135), (549, 22336), (551, 22339), (556, 22360), (596, 22456), (597, 22459), (599, 22465), (623, 22534), (628, 22552), (630, 22561), (639, 22591), (681, 22687), (693, 22720), (698, 22735), (745, 22876), (760, 22933), (794, 23044),

Gene: Agape74_30 Start: 20673, Stop: 22445, Start Num: 108

Candidate Starts for Agape74_30:

(Start: 90 @20649 has 8 MA's), (Start: 108 @20673 has 545 MA's), (173, 20772), (202, 20856), (232, 20907), (233, 20910), (262, 20982), (264, 20985), (289, 21039), (301, 21078), (338, 21156), (373, 21243), (412, 21324), (413, 21327), (551, 21600), (592, 21705), (597, 21720), (637, 21846), (639, 21852), (669, 21900), (698, 21978), (701, 21984), (724, 22038), (735, 22077), (738, 22092), (760, 22176), (794, 22287),

Gene: Agent47_21 Start: 17591, Stop: 19363, Start Num: 81

Candidate Starts for Agent47_21:

(Start: 81 @17591 has 15 MA's), (86, 17597), (103, 17621), (129, 17654), (154, 17702), (179, 17756), (Start: 196 @17807 has 7 MA's), (221, 17870), (Start: 268 @17978 has 11 MA's), (310, 18086), (363, 18200), (365, 18203), (384, 18242), (393, 18257), (395, 18269), (399, 18275), (410, 18311), (412, 18317), (418, 18323), (434, 18362), (447, 18386), (515, 18488), (542, 18551), (612, 18731), (645, 18830), (683, 18908), (693, 18932), (695, 18938), (709, 18971), (745, 19049), (747, 19055), (798, 19208), (829, 19313), (830, 19316), (834, 19334),

Gene: AgentM_24 Start: 19734, Stop: 21533, Start Num: 108

Candidate Starts for AgentM_24:

(Start: 108 @19734 has 545 MA's), (Start: 175 @19839 has 47 MA's), (184, 19872), (233, 19971), (264, 20046), (Start: 268 @20061 has 11 MA's), (288, 20097), (310, 20169), (318, 20184), (338, 20217), (341, 20223), (441, 20448), (446, 20454), (495, 20544), (546, 20649), (549, 20658), (563, 20700), (569, 20718), (596, 20778), (597, 20781), (623, 20856), (628, 20874), (680, 21015), (693, 21051), (760, 21264), (791, 21366), (794, 21375), (827, 21489), (833, 21510), (835, 21519),

Gene: Ageofdapage_23 Start: 17088, Stop: 18854, Start Num: 79

Candidate Starts for Ageofdapage_23:

(Start: 79 @17088 has 139 MA's), (101, 17118), (184, 17277), (Start: 196 @17310 has 7 MA's), (210, 17340), (221, 17373), (227, 17385), (266, 17475), (283, 17511), (288, 17517), (310, 17589), (315, 17598), (338, 17637), (356, 17682), (363, 17703), (365, 17706), (399, 17778), (410, 17814), (412, 17820), (418, 17826), (430, 17853), (447, 17889), (515, 17991), (525, 18009), (548, 18069), (558, 18099), (573, 18126), (612, 18231), (641, 18321), (681, 18390), (694, 18426), (706, 18456), (718, 18465), (745, 18540), (759, 18591), (795, 18690), (815, 18741), (824, 18786), (834, 18825), (835, 18828), (843, 18846),

Gene: Aggie_18 Start: 14990, Stop: 16699, Start Num: 91

Candidate Starts for Aggie_18:

(Start: 91 @14990 has 42 MA's), (115, 15017), (Start: 175 @15122 has 47 MA's), (178, 15134), (190, 15170), (213, 15221), (230, 15251), (233, 15257), (247, 15284), (251, 15290), (300, 15410), (320, 15464), (323, 15470), (337, 15488), (342, 15500), (343, 15503), (352, 15524), (368, 15566), (396, 15599), (420, 15650), (427, 15665), (445, 15707), (455, 15722), (456, 15728), (474, 15776), (486, 15800), (497, 15830), (515, 15854), (541, 15914), (546, 15926), (564, 15980), (571, 15989), (595, 16049), (596, 16052), (667, 16157), (671, 16166), (687, 16205), (735, 16343), (775, 16493), (776, 16496), (779, 16505), (792, 16526), (800, 16553), (815, 16589), (838, 16682),

Gene: Aglet_29 Start: 20380, Stop: 22176, Start Num: 108

Candidate Starts for Aglet_29:

(Start: 108 @20380 has 545 MA's), (Start: 146 @20437 has 1 MA's), (154, 20452), (173, 20485), (179, 20506), (Start: 183 @20521 has 1 MA's), (227, 20608), (232, 20620), (233, 20623), (264, 20698), (Start: 268 @20713 has 11 MA's), (288, 20749), (373, 20956), (430, 21070), (449, 21109), (495, 21196), (549, 21310), (556, 21334), (563, 21352), (597, 21433), (623, 21508), (628, 21526), (637, 21559), (639, 21565), (653, 21604), (680, 21658), (681, 21661), (689, 21682), (713, 21739), (760, 21907), (792, 22012), (794, 22018), (833, 22153),

Gene: AgronaGT15_29 Start: 20287, Stop: 22083, Start Num: 108

Candidate Starts for AgronaGT15_29:

(Start: 108 @20287 has 545 MA's), (Start: 146 @20344 has 1 MA's), (154, 20359), (173, 20392), (179, 20413), (Start: 183 @20428 has 1 MA's), (227, 20515), (232, 20527), (233, 20530), (264, 20605), (Start: 268 @20620 has 11 MA's), (288, 20656), (373, 20863), (430, 20977), (449, 21016), (495, 21103), (549, 21217), (556, 21241), (563, 21259), (597, 21340), (623, 21415), (628, 21433), (637, 21466), (639, 21472), (653, 21511), (680, 21565), (681, 21568), (689, 21589), (713, 21646), (760, 21814), (792, 21919), (794, 21925), (833, 22060),

Gene: Agueybana_19 Start: 17777, Stop: 19375, Start Num: 194

Candidate Starts for Agueybana_19:

(Start: 194 @17777 has 87 MA's), (307, 18026), (310, 18035), (319, 18053), (321, 18056), (351, 18110), (381, 18185), (413, 18254), (423, 18263), (427, 18275), (451, 18326), (459, 18353), (462, 18362), (463, 18365), (518, 18398), (541, 18455), (564, 18521), (602, 18632), (610, 18656), (623, 18692), (655, 18794), (682, 18851), (716, 18941), (751, 19058), (787, 19181), (810, 19259),

Gene: Airmid_24 Start: 18975, Stop: 20774, Start Num: 108

Candidate Starts for Airmid_24:

(Start: 108 @18975 has 545 MA's), (233, 19212), (264, 19287), (Start: 268 @19302 has 11 MA's), (288, 19338), (310, 19410), (318, 19425), (338, 19458), (339, 19461), (341, 19464), (430, 19659), (441, 19689), (446, 19695), (495, 19785), (522, 19830), (549, 19899), (563, 19941), (569, 19959), (596, 20019), (597, 20022), (628, 20115), (680, 20256), (693, 20292), (791, 20607), (794, 20616), (833, 20751),

Gene: Ajay_28 Start: 21632, Stop: 23434, Start Num: 109

Candidate Starts for Ajay_28:

(Start: 109 @21632 has 207 MA's), (Start: 124 @21653 has 4 MA's), (Start: 146 @21695 has 1 MA's), (171, 21740), (264, 21956), (283, 22001), (289, 22010), (321, 22100), (322, 22103), (413, 22298), (449, 22367), (545, 22556), (549, 22568), (551, 22571), (556, 22592), (596, 22688), (597, 22691), (599, 22697), (623, 22766), (628, 22784), (630, 22793), (639, 22823), (681, 22919), (693, 22952), (698, 22967), (745, 23108), (760, 23165), (794, 23276),

Gene: Akhila_17 Start: 15476, Stop: 17185, Start Num: 87

Candidate Starts for Akhila_17:

(Start: 87 @15476 has 207 MA's), (150, 15563), (Start: 175 @15608 has 47 MA's), (182, 15632), (230, 15737), (233, 15743), (242, 15761), (257, 15791), (300, 15896), (323, 15956), (338, 15977), (342, 15986), (352, 16010), (420, 16136), (427, 16151), (429, 16157), (445, 16193), (448, 16196), (455, 16208), (456, 16214), (474, 16262), (480, 16274), (484, 16280), (515, 16340), (522, 16352), (538, 16388), (541, 16400), (571, 16475), (573, 16484), (581, 16502), (584, 16508), (596, 16538), (667, 16643), (671, 16652), (673, 16655), (680, 16676), (687, 16691), (713, 16757), (716, 16769), (744, 16868), (751, 16889), (759, 16922), (768, 16952), (776, 16982), (779, 16991), (781, 16997), (792, 17012), (793, 17015), (800, 17039), (813, 17069), (817, 17081), (822, 17111), (833, 17153),

Gene: Alatin_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for Alatin_23:

(Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (208, 16526), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (389, 16904), (392, 16910), (395, 16925), (397, 16928), (413, 16976), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: Albee_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Albee_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Alberto7_28 Start: 20129, Stop: 21907, Start Num: 108

Candidate Starts for Alberto7_28:

(Start: 90 @20105 has 8 MA's), (Start: 108 @20129 has 545 MA's), (Start: 146 @20186 has 1 MA's), (Start: 175 @20240 has 47 MA's), (179, 20255), (184, 20273), (227, 20357), (232, 20369), (233, 20372), (264, 20447), (Start: 268 @20462 has 11 MA's), (289, 20501), (338, 20618), (373, 20705), (412, 20786), (435, 20834), (449, 20858), (495, 20945), (522, 20990), (551, 21062), (556, 21083), (563, 21101), (597, 21182), (628, 21275), (630, 21284), (637, 21308), (639, 21314), (647, 21338), (681, 21392), (689, 21413), (710, 21464), (719, 21488), (736, 21542), (760, 21638), (792, 21743), (795, 21758), (828, 21866), (833, 21884),

Gene: Alexphander_18 Start: 15332, Stop: 17041, Start Num: 87

Candidate Starts for Alexphander_18:

(Start: 87 @15332 has 207 MA's), (150, 15419), (Start: 175 @15464 has 47 MA's), (182, 15488), (203, 15545), (230, 15593), (233, 15599), (242, 15617), (257, 15647), (300, 15752), (320, 15806), (323, 15812), (329, 15821), (342, 15842), (352, 15866), (365, 15902), (368, 15908), (396, 15941), (398, 15944), (402, 15953), (408, 15968), (410, 15974), (420, 15992), (427, 16007), (429, 16013), (435, 16031), (436, 16034), (445, 16049), (455, 16064), (456, 16070), (474, 16118), (480, 16130), (484, 16136), (515, 16196), (522, 16208), (538, 16244), (541, 16256), (571, 16331), (573, 16340), (581, 16358), (584, 16364), (596, 16394), (667, 16499), (673, 16511), (687, 16547), (716, 16625), (744, 16724), (751, 16745), (759, 16778), (768, 16808), (776, 16838), (779, 16847), (781, 16853), (792, 16868), (793, 16871), (800, 16895), (813, 16925), (817, 16937), (822, 16967), (833, 17009),

Gene: Ali17_31 Start: 28415, Stop: 30040, Start Num: 123

Candidate Starts for Ali17_31:

(Start: 123 @28415 has 17 MA's), (131, 28427), (Start: 147 @28460 has 45 MA's), (Start: 152 @28469 has 2 MA's), (159, 28481), (Start: 175 @28511 has 47 MA's), (227, 28628), (232, 28640), (265, 28715), (292, 28775), (300, 28805), (430, 29012), (443, 29042), (462, 29084), (463, 29087), (468, 29099), (490, 29147), (515, 29195), (546, 29267), (557, 29300), (558, 29303), (575, 29342), (593, 29381), (622, 29468), (623, 29471), (688, 29549), (727, 29654), (747, 29735), (761, 29789), (795, 29885), (833, 30014), (838, 30029),

Gene: AlishaPH_23 Start: 17147, Stop: 18913, Start Num: 79

Candidate Starts for AlishaPH_23:

(Start: 79 @17147 has 139 MA's), (101, 17177), (184, 17336), (Start: 196 @17369 has 7 MA's), (210, 17399), (221, 17432), (227, 17444), (266, 17534), (288, 17576), (310, 17648), (315, 17657), (338, 17696), (356, 17741), (363, 17762), (365, 17765), (393, 17819), (399, 17837), (412, 17879), (418, 17885), (430, 17912), (515, 18050), (525, 18068), (541, 18110), (548, 18128), (558, 18158), (573, 18185), (612, 18290), (681, 18449), (694, 18485), (706, 18515), (718, 18524), (745, 18599), (759, 18650), (824, 18845), (834, 18884), (835, 18887), (843, 18905),

Gene: Aliter_30 Start: 21674, Stop: 23467, Start Num: 105

Candidate Starts for Aliter_30:

(Start: 105 @21674 has 8 MA's), (Start: 108 @21677 has 545 MA's), (232, 21911), (233, 21914), (262, 21986), (264, 21989), (Start: 268 @22004 has 11 MA's), (289, 22043), (292, 22049), (338, 22160),

(373, 22247), (412, 22328), (413, 22331), (513, 22517), (540, 22580), (551, 22604), (553, 22610), (563, 22643), (597, 22724), (637, 22850), (651, 22892), (653, 22895), (681, 22952), (693, 22985), (698, 23000), (735, 23099), (736, 23102), (738, 23114), (760, 23198), (780, 23264), (792, 23303), (794, 23309), (809, 23354), (824, 23411), (825, 23414),

Gene: Alkhayr_54 Start: 33189, Stop: 34925, Start Num: 74

Candidate Starts for Alkhayr_54:

(Start: 69 @33180 has 2 MA's), (Start: 74 @33189 has 26 MA's), (134, 33279), (187, 33396), (203, 33432), (214, 33453), (230, 33480), (233, 33486), (249, 33516), (261, 33540), (281, 33591), (342, 33729), (344, 33735), (363, 33786), (365, 33789), (374, 33807), (420, 33858), (429, 33879), (430, 33882), (455, 33930), (456, 33936), (474, 33984), (477, 33990), (480, 33996), (504, 34056), (515, 34080), (517, 34083), (538, 34128), (542, 34143), (546, 34152), (549, 34161), (564, 34206), (573, 34224), (589, 34257), (673, 34395), (680, 34416), (706, 34482), (717, 34512), (734, 34566), (744, 34608), (751, 34629), (755, 34650), (759, 34662), (765, 34683), (781, 34737), (815, 34815), (822, 34851), (827, 34872), (834, 34899),

Gene: Alma_30 Start: 21753, Stop: 23546, Start Num: 105

Candidate Starts for Alma_30:

(Start: 105 @21753 has 8 MA's), (Start: 108 @21756 has 545 MA's), (232, 21990), (233, 21993), (262, 22065), (264, 22068), (Start: 268 @22083 has 11 MA's), (289, 22122), (292, 22128), (338, 22239), (373, 22326), (412, 22407), (413, 22410), (441, 22470), (513, 22596), (540, 22659), (551, 22683), (553, 22689), (563, 22722), (597, 22803), (637, 22929), (651, 22971), (653, 22974), (681, 23031), (693, 23064), (698, 23079), (735, 23178), (736, 23181), (738, 23193), (760, 23277), (780, 23343), (792, 23382), (794, 23388), (809, 23433), (824, 23490), (825, 23493),

Gene: Aloeri_17 Start: 14677, Stop: 16386, Start Num: 87

Candidate Starts for Aloeri_17:

(Start: 87 @14677 has 207 MA's), (150, 14764), (Start: 175 @14809 has 47 MA's), (182, 14833), (230, 14938), (233, 14944), (242, 14962), (247, 14971), (257, 14992), (300, 15097), (323, 15157), (329, 15166), (338, 15178), (342, 15187), (352, 15211), (365, 15247), (368, 15253), (374, 15265), (396, 15286), (398, 15289), (402, 15298), (408, 15313), (410, 15319), (420, 15337), (427, 15352), (429, 15358), (435, 15376), (436, 15379), (445, 15394), (455, 15409), (456, 15415), (474, 15463), (480, 15475), (484, 15481), (515, 15541), (522, 15553), (526, 15562), (538, 15589), (541, 15601), (571, 15676), (573, 15685), (581, 15703), (584, 15709), (596, 15739), (667, 15844), (671, 15853), (673, 15856), (687, 15892), (716, 15970), (744, 16069), (751, 16090), (759, 16123), (768, 16153), (776, 16183), (778, 16189), (779, 16192), (781, 16198), (792, 16213), (793, 16216), (798, 16237), (800, 16240), (817, 16282), (833, 16354), (834, 16360),

Gene: Alpacados_22 Start: 16285, Stop: 17910, Start Num: 130

Candidate Starts for Alpacados_22:

(Start: 120 @16270 has 4 MA's), (Start: 130 @16285 has 32 MA's), (169, 16354), (181, 16390), (264, 16576), (313, 16705), (338, 16747), (351, 16774), (358, 16798), (365, 16816), (392, 16846), (395, 16861), (413, 16912), (456, 16996), (540, 17113), (551, 17137), (596, 17251), (611, 17299), (623, 17329), (633, 17368), (637, 17380), (669, 17410), (698, 17488), (757, 17635), (763, 17659), (774, 17695), (788, 17734), (838, 17902),

Gene: AlpineSix_16 Start: 15041, Stop: 16750, Start Num: 87

Candidate Starts for AlpineSix_16:

(Start: 87 @15041 has 207 MA's), (150, 15128), (161, 15149), (Start: 175 @15173 has 47 MA's), (182, 15197), (187, 15218), (230, 15302), (233, 15308), (242, 15326), (257, 15356), (300, 15461), (320, 15515), (323, 15521), (337, 15539), (338, 15542), (342, 15551), (352, 15575), (396, 15650), (402, 15662), (408, 15677), (410, 15683), (420, 15701), (427, 15716), (429, 15722), (438, 15749), (445, 15758), (455, 15773), (456, 15779), (474, 15827), (480, 15839), (484, 15845), (515, 15905), (522,

15917), (538, 15953), (541, 15965), (549, 15986), (571, 16040), (573, 16049), (581, 16067), (584, 16073), (596, 16103), (667, 16208), (671, 16217), (673, 16220), (687, 16256), (701, 16295), (716, 16334), (751, 16454), (759, 16487), (768, 16517), (776, 16547), (779, 16556), (781, 16562), (792, 16577), (793, 16580), (798, 16601), (800, 16604), (815, 16640), (817, 16646), (822, 16676), (833, 16718),

Gene: Alsfro_31 Start: 21865, Stop: 23667, Start Num: 109

Candidate Starts for Alsfro_31:

(Start: 109 @21865 has 207 MA's), (Start: 124 @21886 has 4 MA's), (Start: 146 @21928 has 1 MA's), (171, 21973), (264, 22189), (283, 22234), (289, 22243), (321, 22333), (322, 22336), (338, 22360), (365, 22429), (413, 22531), (449, 22600), (545, 22789), (549, 22801), (551, 22804), (556, 22825), (596, 22921), (597, 22924), (599, 22930), (623, 22999), (628, 23017), (630, 23026), (639, 23056), (681, 23152), (693, 23185), (698, 23200), (745, 23341), (760, 23398), (794, 23509), (840, 23662),

Gene: Altman_29 Start: 21923, Stop: 23725, Start Num: 109

Candidate Starts for Altman_29:

(Start: 109 @21923 has 207 MA's), (Start: 124 @21944 has 4 MA's), (Start: 146 @21986 has 1 MA's), (171, 22031), (264, 22247), (283, 22292), (289, 22301), (301, 22340), (321, 22391), (322, 22394), (365, 22487), (413, 22589), (449, 22658), (549, 22859), (551, 22862), (556, 22883), (596, 22979), (597, 22982), (599, 22988), (623, 23057), (628, 23075), (630, 23084), (639, 23114), (681, 23210), (693, 23243), (698, 23258), (745, 23399), (760, 23456), (794, 23567),

Gene: AlumE_19 Start: 17776, Stop: 19374, Start Num: 194

Candidate Starts for AlumE_19:

(Start: 194 @17776 has 87 MA's), (310, 18034), (319, 18052), (321, 18055), (351, 18109), (381, 18184), (413, 18253), (423, 18262), (427, 18274), (431, 18286), (451, 18325), (459, 18352), (462, 18361), (463, 18364), (518, 18397), (541, 18454), (564, 18520), (602, 18631), (623, 18691), (655, 18793), (682, 18850), (716, 18940), (787, 19180), (810, 19258),

Gene: Alvin_28 Start: 21635, Stop: 23437, Start Num: 109

Candidate Starts for Alvin_28:

(Start: 109 @21635 has 207 MA's), (Start: 124 @21656 has 4 MA's), (Start: 146 @21698 has 1 MA's), (171, 21743), (264, 21959), (283, 22004), (289, 22013), (321, 22103), (322, 22106), (365, 22199), (413, 22301), (449, 22370), (545, 22559), (549, 22571), (551, 22574), (556, 22595), (596, 22691), (597, 22694), (599, 22700), (623, 22769), (628, 22787), (630, 22796), (639, 22826), (681, 22922), (693, 22955), (698, 22970), (745, 23111), (760, 23168), (794, 23279),

Gene: Amao_24 Start: 19034, Stop: 20629, Start Num: 147

Candidate Starts for Amao_24:

(Start: 94 @18950 has 79 MA's), (Start: 147 @19034 has 45 MA's), (Start: 183 @19112 has 1 MA's), (227, 19199), (233, 19214), (257, 19262), (271, 19301), (306, 19388), (321, 19421), (342, 19457), (354, 19487), (356, 19493), (400, 19562), (424, 19592), (428, 19604), (429, 19607), (456, 19664), (517, 19796), (520, 19802), (547, 19868), (549, 19874), (556, 19898), (573, 19946), (584, 19970), (589, 19979), (616, 20054), (671, 20105), (678, 20120), (736, 20282), (742, 20309), (751, 20339), (780, 20444), (815, 20522), (822, 20558), (824, 20567), (833, 20600), (838, 20615),

Gene: Amelie_19 Start: 16697, Stop: 18463, Start Num: 79

Candidate Starts for Amelie_19:

(Start: 79 @16697 has 139 MA's), (Start: 81 @16703 has 15 MA's), (101, 16727), (Start: 175 @16853 has 47 MA's), (179, 16868), (184, 16886), (210, 16949), (266, 17084), (Start: 268 @17090 has 11 MA's), (310, 17198), (315, 17207), (363, 17312), (395, 17381), (399, 17387), (410, 17423), (418, 17435), (447, 17498), (515, 17600), (525, 17618), (541, 17660), (542, 17663), (586, 17768), (612, 17840), (647, 17948), (649, 17954), (681, 17999), (701, 18053), (718, 18074), (745, 18149), (759,

18200), (795, 18299), (802, 18314), (815, 18350), (824, 18395), (834, 18434), (835, 18437), (843, 18455),

Gene: AmericanBeauty_26 Start: 19733, Stop: 21412, Start Num: 94

Candidate Starts for AmericanBeauty_26:

(Start: 94 @19733 has 79 MA's), (Start: 147 @19817 has 45 MA's), (Start: 183 @19895 has 1 MA's), (227, 19982), (233, 19997), (257, 20045), (271, 20084), (306, 20171), (321, 20204), (342, 20240), (354, 20270), (356, 20276), (400, 20345), (424, 20375), (428, 20387), (429, 20390), (456, 20447), (517, 20579), (520, 20585), (547, 20651), (549, 20657), (556, 20681), (573, 20729), (584, 20753), (589, 20762), (616, 20837), (671, 20888), (678, 20903), (736, 21065), (742, 21092), (751, 21122), (780, 21227), (815, 21305), (822, 21341), (824, 21350), (833, 21383), (838, 21398),

Gene: Amgine_21 Start: 17216, Stop: 19009, Start Num: 62

Candidate Starts for Amgine_21:

(Start: 62 @17216 has 1 MA's), (Start: 75 @17246 has 25 MA's), (Start: 78 @17252 has 41 MA's), (Start: 79 @17255 has 139 MA's), (Start: 97 @17267 has 44 MA's), (101, 17273), (Start: 175 @17399 has 47 MA's), (179, 17414), (Start: 196 @17465 has 7 MA's), (210, 17495), (221, 17528), (266, 17630), (288, 17672), (310, 17744), (315, 17753), (383, 17897), (384, 17900), (393, 17915), (395, 17927), (399, 17933), (405, 17951), (412, 17975), (418, 17981), (430, 18008), (447, 18044), (525, 18164), (573, 18281), (586, 18314), (593, 18326), (597, 18338), (612, 18386), (693, 18578), (706, 18611), (718, 18620), (742, 18683), (745, 18695), (759, 18746), (760, 18752), (795, 18845), (815, 18896), (824, 18941), (834, 18980), (835, 18983), (843, 19001),

Gene: Aminay_21 Start: 17435, Stop: 19210, Start Num: 79

Candidate Starts for Aminay_21:

(11, 16757), (12, 16769), (21, 16964), (Start: 79 @17435 has 139 MA's), (Start: 175 @17579 has 47 MA's), (179, 17594), (Start: 196 @17645 has 7 MA's), (210, 17675), (227, 17720), (Start: 268 @17816 has 11 MA's), (306, 17912), (310, 17924), (357, 18020), (399, 18113), (405, 18131), (418, 18161), (434, 18200), (456, 18242), (515, 18326), (542, 18389), (555, 18422), (567, 18461), (612, 18590), (641, 18680), (645, 18689), (681, 18746), (693, 18779), (701, 18800), (706, 18812), (745, 18896), (759, 18947), (760, 18953), (798, 19055), (822, 19133), (827, 19154), (834, 19181), (843, 19202),

Gene: Amochick_22 Start: 17409, Stop: 19151, Start Num: 78

Candidate Starts for Amochick_22:

(Start: 78 @17409 has 41 MA's), (Start: 81 @17418 has 15 MA's), (114, 17460), (145, 17511), (158, 17535), (166, 17547), (Start: 175 @17568 has 47 MA's), (179, 17583), (184, 17601), (Start: 197 @17634 has 1 MA's), (208, 17661), (234, 17733), (272, 17823), (305, 17907), (309, 17916), (318, 17937), (352, 18003), (362, 18030), (381, 18063), (393, 18081), (401, 18102), (405, 18117), (406, 18120), (434, 18186), (435, 18189), (466, 18255), (483, 18267), (500, 18276), (504, 18279), (542, 18366), (559, 18420), (582, 18465), (585, 18471), (611, 18543), (623, 18573), (630, 18600), (641, 18636), (645, 18645), (693, 18723), (753, 18867), (757, 18885), (760, 18897), (767, 18912), (769, 18915), (776, 18936), (780, 18948), (798, 18996), (812, 19029), (830, 19104), (834, 19122), (843, 19143),

Gene: Amohnition_22 Start: 17620, Stop: 19395, Start Num: 75

Candidate Starts for Amohnition_22:

(Start: 62 @17590 has 1 MA's), (Start: 75 @17620 has 25 MA's), (Start: 79 @17629 has 139 MA's), (101, 17659), (Start: 175 @17785 has 47 MA's), (179, 17800), (184, 17818), (Start: 196 @17851 has 7 MA's), (221, 17914), (227, 17926), (234, 17944), (266, 18016), (283, 18052), (288, 18058), (315, 18139), (359, 18232), (363, 18244), (365, 18247), (383, 18283), (399, 18319), (412, 18361), (418, 18367), (430, 18394), (525, 18550), (558, 18640), (573, 18667), (593, 18712), (612, 18772), (636, 18847), (645, 18871), (681, 18931), (694, 18967), (706, 18997), (745, 19081), (798, 19240), (834, 19366), (835, 19369), (843, 19387),

Gene: Amymech_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for Amymech_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197 @17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406, 18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: Anaya_24 Start: 17173, Stop: 18939, Start Num: 79

Candidate Starts for Anaya_24:

(Start: 79 @17173 has 139 MA's), (101, 17203), (184, 17362), (Start: 196 @17395 has 7 MA's), (210, 17425), (221, 17458), (227, 17470), (266, 17560), (288, 17602), (310, 17674), (315, 17683), (338, 17722), (356, 17767), (363, 17788), (365, 17791), (399, 17863), (412, 17905), (418, 17911), (430, 17938), (515, 18076), (525, 18094), (541, 18136), (548, 18154), (558, 18184), (612, 18316), (694, 18511), (706, 18541), (718, 18550), (745, 18625), (759, 18676), (760, 18682), (815, 18826), (824, 18871), (834, 18910), (835, 18913), (843, 18931),

Gene: Anaysia_30 Start: 19096, Stop: 20883, Start Num: 108

Candidate Starts for Anaysia_30:

(65, 19030), (Start: 90 @19072 has 8 MA's), (Start: 108 @19096 has 545 MA's), (184, 19234), (207, 19291), (233, 19333), (247, 19369), (264, 19408), (295, 19477), (301, 19501), (322, 19555), (399, 19705), (413, 19750), (430, 19780), (446, 19816), (468, 19867), (493, 19903), (522, 19951), (546, 20011), (596, 20140), (623, 20218), (698, 20419), (701, 20425), (736, 20521), (782, 20686), (815, 20785),

Gene: Andies_18 Start: 14986, Stop: 16695, Start Num: 91

Candidate Starts for Andies_18:

(Start: 91 @14986 has 42 MA's), (115, 15013), (Start: 175 @15118 has 47 MA's), (178, 15130), (190, 15166), (213, 15217), (230, 15247), (233, 15253), (247, 15280), (251, 15286), (300, 15406), (320, 15460), (323, 15466), (337, 15484), (342, 15496), (343, 15499), (352, 15520), (368, 15562), (396, 15595), (420, 15646), (427, 15661), (445, 15703), (455, 15718), (456, 15724), (474, 15772), (486, 15796), (497, 15826), (515, 15850), (546, 15922), (564, 15976), (571, 15985), (595, 16045), (596, 16048), (667, 16153), (671, 16162), (687, 16201), (735, 16339), (775, 16489), (776, 16492), (779, 16501), (792, 16522), (800, 16549), (815, 16585), (838, 16678),

Gene: Aneem_28 Start: 20755, Stop: 22554, Start Num: 108

Candidate Starts for Aneem_28:

(65, 20689), (Start: 90 @20731 has 8 MA's), (Start: 108 @20755 has 545 MA's), (141, 20797), (184, 20893), (189, 20908), (232, 20989), (233, 20992), (264, 21067), (Start: 268 @21082 has 11 MA's), (289, 21121), (292, 21127), (306, 21178), (338, 21238), (341, 21244), (373, 21325), (413, 21409), (472, 21535), (485, 21553), (507, 21580), (563, 21721), (592, 21787), (596, 21799), (597, 21802), (662, 21991), (674, 22018), (678, 22027), (683, 22048), (685, 22051), (693, 22072), (698, 22087), (710, 22111), (735, 22186), (738, 22201), (760, 22285), (792, 22390), (794, 22396), (813, 22450), (840, 22549),

Gene: Angel_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Angel_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Angelica_23 Start: 17122, Stop: 18888, Start Num: 79

Candidate Starts for Angelica_23:

(Start: 79 @17122 has 139 MA's), (101, 17152), (184, 17311), (Start: 196 @17344 has 7 MA's), (210, 17374), (221, 17407), (227, 17419), (266, 17509), (288, 17551), (310, 17623), (315, 17632), (338, 17671), (356, 17716), (363, 17737), (365, 17740), (393, 17794), (399, 17812), (412, 17854), (418, 17860), (430, 17887), (515, 18025), (525, 18043), (541, 18085), (548, 18103), (558, 18133), (573, 18160), (612, 18265), (681, 18424), (694, 18460), (706, 18490), (718, 18499), (745, 18574), (759, 18625), (824, 18820), (834, 18859), (835, 18862), (843, 18880),

Gene: Anglerfish_28 Start: 21836, Stop: 23638, Start Num: 109

Candidate Starts for Anglerfish_28:

(Start: 109 @21836 has 207 MA's), (Start: 124 @21857 has 4 MA's), (Start: 146 @21899 has 1 MA's), (171, 21944), (264, 22160), (283, 22205), (289, 22214), (321, 22304), (322, 22307), (365, 22400), (413, 22502), (449, 22571), (549, 22772), (551, 22775), (556, 22796), (596, 22892), (597, 22895), (599, 22901), (623, 22970), (628, 22988), (630, 22997), (639, 23027), (681, 23123), (693, 23156), (698, 23171), (745, 23312), (760, 23369), (794, 23480), (840, 23633),

Gene: AngryOrchard_22 Start: 16268, Stop: 17893, Start Num: 130

Candidate Starts for AngryOrchard_22:

(Start: 120 @16253 has 4 MA's), (Start: 130 @16268 has 32 MA's), (169, 16337), (181, 16373), (244, 16514), (264, 16559), (313, 16688), (338, 16730), (347, 16748), (351, 16757), (358, 16781), (365, 16799), (392, 16829), (395, 16844), (397, 16847), (410, 16886), (413, 16895), (540, 17096), (596, 17234), (623, 17312), (633, 17351), (637, 17363), (669, 17393), (698, 17471), (757, 17618), (788, 17717), (792, 17732), (838, 17885),

Gene: AnnaL29_31 Start: 22021, Stop: 23793, Start Num: 108

Candidate Starts for AnnaL29_31:

(Start: 90 @21997 has 8 MA's), (Start: 108 @22021 has 545 MA's), (202, 22204), (232, 22255), (233, 22258), (262, 22330), (264, 22333), (289, 22387), (292, 22393), (301, 22426), (338, 22504), (341, 22510), (347, 22522), (373, 22591), (410, 22666), (412, 22672), (413, 22675), (434, 22717), (515, 22864), (549, 22945), (551, 22948), (563, 22987), (592, 23053), (597, 23068), (639, 23200), (669, 23248), (689, 23299), (693, 23311), (698, 23326), (701, 23332), (724, 23386), (738, 23440), (760, 23524), (780, 23590), (792, 23629), (794, 23635),

Gene: Annalisa_20 Start: 17346, Stop: 18926, Start Num: 194

Candidate Starts for Annalisa_20:

(149, 17229), (Start: 194 @17346 has 87 MA's), (310, 17604), (321, 17625), (351, 17679), (363, 17718), (397, 17775), (405, 17796), (518, 17967), (527, 17985), (537, 18009), (543, 18030), (564, 18072), (592, 18153), (623, 18243), (655, 18345), (662, 18348), (682, 18402), (767, 18672), (796, 18771), (797, 18780), (810, 18810),

Gene: Annihilator_18 Start: 16640, Stop: 18394, Start Num: 97

Candidate Starts for Annihilator_18:

(Start: 75 @16631 has 25 MA's), (Start: 97 @16640 has 44 MA's), (101, 16646), (Start: 105 @16652 has 8 MA's), (179, 16784), (Start: 196 @16835 has 7 MA's), (210, 16865), (219, 16889), (264, 16991), (279, 17030), (283, 17036), (292, 17051), (304, 17096), (359, 17216), (385, 17273), (399, 17312),

(418, 17360), (430, 17387), (434, 17399), (479, 17480), (515, 17525), (597, 17723), (606, 17753), (612, 17771), (623, 17798), (648, 17882), (665, 17900), (677, 17915), (693, 17963), (698, 17978), (733, 18041), (751, 18098), (760, 18137), (776, 18179), (795, 18230), (824, 18326), (843, 18386),

Gene: Annyong_27 Start: 19828, Stop: 21606, Start Num: 108

Candidate Starts for Annyong_27:

(Start: 90 @19804 has 8 MA's), (Start: 108 @19828 has 545 MA's), (Start: 146 @19885 has 1 MA's), (Start: 175 @19939 has 47 MA's), (179, 19954), (184, 19972), (227, 20056), (232, 20068), (233, 20071), (264, 20146), (Start: 268 @20161 has 11 MA's), (289, 20200), (338, 20317), (373, 20404), (412, 20485), (435, 20533), (449, 20557), (495, 20644), (522, 20689), (551, 20761), (556, 20782), (563, 20800), (597, 20881), (628, 20974), (630, 20983), (637, 21007), (639, 21013), (647, 21037), (681, 21091), (689, 21112), (710, 21163), (719, 21187), (736, 21241), (760, 21337), (792, 21442), (795, 21457), (828, 21565), (833, 21583),

Gene: Anon_28 Start: 19727, Stop: 21511, Start Num: 108

Candidate Starts for Anon_28:

(Start: 90 @19703 has 8 MA's), (Start: 108 @19727 has 545 MA's), (160, 19802), (179, 19847), (184, 19865), (233, 19964), (244, 19994), (247, 20000), (264, 20039), (Start: 268 @20054 has 11 MA's), (295, 20108), (301, 20132), (322, 20186), (341, 20216), (381, 20303), (399, 20336), (412, 20378), (413, 20381), (446, 20447), (468, 20498), (522, 20582), (596, 20771), (597, 20774), (617, 20837), (630, 20876), (645, 20921), (681, 21002), (693, 21035), (701, 21056), (725, 21113), (736, 21149), (760, 21242), (795, 21362), (824, 21455),

Gene: Anselm_28 Start: 20293, Stop: 22065, Start Num: 108

Candidate Starts for Anselm_28:

(Start: 90 @20269 has 8 MA's), (Start: 108 @20293 has 545 MA's), (173, 20392), (232, 20527), (233, 20530), (262, 20602), (264, 20605), (289, 20659), (301, 20698), (318, 20743), (338, 20776), (373, 20863), (412, 20944), (413, 20947), (551, 21220), (597, 21340), (637, 21466), (669, 21520), (674, 21529), (681, 21550), (693, 21583), (698, 21598), (701, 21604), (724, 21658), (735, 21697), (738, 21712), (760, 21796), (794, 21907), (833, 22042),

Gene: Anthony_27 Start: 18675, Stop: 20474, Start Num: 108

Candidate Starts for Anthony_27:

(65, 18609), (Start: 90 @18651 has 8 MA's), (Start: 108 @18675 has 545 MA's), (Start: 124 @18684 has 4 MA's), (173, 18774), (184, 18813), (232, 18909), (233, 18912), (262, 18984), (264, 18987), (289, 19041), (292, 19047), (338, 19158), (373, 19245), (412, 19326), (413, 19329), (495, 19485), (513, 19515), (563, 19641), (597, 19722), (637, 19848), (680, 19956), (681, 19959), (698, 20007), (724, 20067), (735, 20106), (738, 20121), (760, 20205), (792, 20310), (794, 20316), (798, 20334), (813, 20370), (833, 20451),

Gene: Antonio_19 Start: 17773, Stop: 19371, Start Num: 194

Candidate Starts for Antonio_19:

(Start: 194 @17773 has 87 MA's), (307, 18022), (310, 18031), (319, 18049), (321, 18052), (351, 18106), (381, 18181), (413, 18250), (423, 18259), (427, 18271), (451, 18322), (459, 18349), (462, 18358), (463, 18361), (516, 18391), (518, 18394), (541, 18451), (564, 18517), (591, 18595), (602, 18628), (610, 18652), (623, 18688), (655, 18790), (682, 18847), (698, 18892), (701, 18898), (716, 18937), (787, 19177), (810, 19255),

Gene: Antsirabe_18 Start: 16985, Stop: 18709, Start Num: 97

Candidate Starts for Antsirabe_18:

(Start: 97 @16985 has 44 MA's), (177, 17105), (210, 17198), (264, 17324), (Start: 268 @17339 has 11 MA's), (283, 17369), (288, 17375), (292, 17384), (304, 17429), (359, 17549), (399, 17645), (412, 17687), (418, 17693), (434, 17732), (454, 17768), (479, 17813), (597, 18050), (612, 18098), (623,

18125), (632, 18161), (741, 18380), (751, 18413), (776, 18494), (824, 18641), (836, 18686),

Gene: Anubis_31 Start: 20265, Stop: 22061, Start Num: 108

Candidate Starts for Anubis_31:

(Start: 108 @20265 has 545 MA's), (Start: 146 @20322 has 1 MA's), (154, 20337), (173, 20370), (179, 20391), (Start: 183 @20406 has 1 MA's), (227, 20493), (232, 20505), (233, 20508), (264, 20583), (Start: 268 @20598 has 11 MA's), (288, 20634), (373, 20841), (430, 20955), (449, 20994), (495, 21081), (549, 21195), (556, 21219), (563, 21237), (597, 21318), (623, 21393), (628, 21411), (637, 21444), (639, 21450), (653, 21489), (680, 21543), (681, 21546), (689, 21567), (713, 21624), (760, 21792), (792, 21897), (794, 21903), (833, 22038),

Gene: Aphelion_48 Start: 29609, Stop: 31300, Start Num: 110

Candidate Starts for Aphelion_48:

(Start: 110 @29609 has 14 MA's), (144, 29669), (159, 29702), (176, 29735), (230, 29861), (244, 29894), (249, 29903), (301, 30032), (319, 30080), (456, 30293), (458, 30299), (466, 30323), (529, 30452), (538, 30473), (549, 30506), (616, 30704), (713, 30857), (742, 30956), (745, 30968), (748, 30977), (771, 31061), (823, 31208), (832, 31244), (835, 31256),

Gene: Apiary_45 Start: 31353, Stop: 32927, Start Num: 196

Candidate Starts for Apiary_45:

(Start: 196 @31353 has 7 MA's), (199, 31362), (227, 31416), (237, 31440), (243, 31443), (360, 31713), (401, 31776), (405, 31791), (464, 31908), (470, 31923), (499, 31980), (502, 31989), (521, 32031), (532, 32052), (541, 32082), (566, 32139), (596, 32214), (607, 32253), (628, 32310), (669, 32415), (670, 32418), (681, 32445), (717, 32523), (730, 32562), (772, 32718), (801, 32784),

Gene: Apocalypse_23 Start: 17125, Stop: 18891, Start Num: 79

Candidate Starts for Apocalypse_23:

(Start: 79 @17125 has 139 MA's), (101, 17155), (184, 17314), (Start: 196 @17347 has 7 MA's), (210, 17377), (221, 17410), (227, 17422), (266, 17512), (288, 17554), (310, 17626), (315, 17635), (338, 17674), (356, 17719), (363, 17740), (365, 17743), (393, 17797), (399, 17815), (412, 17857), (418, 17863), (430, 17890), (515, 18028), (525, 18046), (541, 18088), (548, 18106), (558, 18136), (573, 18163), (612, 18268), (681, 18427), (694, 18463), (706, 18493), (718, 18502), (745, 18577), (759, 18628), (824, 18823), (834, 18862), (835, 18865), (843, 18883),

Gene: AppleCloud_21 Start: 16314, Stop: 17939, Start Num: 130

Candidate Starts for AppleCloud_21:

(Start: 120 @16299 has 4 MA's), (Start: 130 @16314 has 32 MA's), (153, 16356), (169, 16383), (181, 16419), (244, 16560), (264, 16605), (313, 16734), (338, 16776), (347, 16794), (351, 16803), (358, 16827), (365, 16845), (392, 16875), (395, 16890), (397, 16893), (410, 16932), (413, 16941), (456, 17025), (513, 17079), (522, 17094), (540, 17142), (551, 17166), (596, 17280), (623, 17358), (633, 17397), (637, 17409), (640, 17418), (669, 17439), (698, 17517), (757, 17664), (788, 17763), (792, 17778), (838, 17931),

Gene: Applejack_27 Start: 21097, Stop: 22899, Start Num: 109

Candidate Starts for Applejack_27:

(Start: 109 @21097 has 207 MA's), (Start: 124 @21118 has 4 MA's), (Start: 146 @21160 has 1 MA's), (171, 21205), (264, 21421), (283, 21466), (289, 21475), (301, 21514), (321, 21565), (322, 21568), (413, 21763), (449, 21832), (549, 22033), (551, 22036), (556, 22057), (596, 22153), (597, 22156), (599, 22162), (623, 22231), (628, 22249), (630, 22258), (639, 22288), (681, 22384), (693, 22417), (698, 22432), (745, 22573), (760, 22630), (794, 22741),

Gene: Aragog_24 Start: 19764, Stop: 21563, Start Num: 108

Candidate Starts for Aragog_24:

(Start: 108 @19764 has 545 MA's), (Start: 175 @19869 has 47 MA's), (184, 19902), (233, 20001), (264, 20076), (Start: 268 @20091 has 11 MA's), (288, 20127), (310, 20199), (318, 20214), (338, 20247), (341, 20253), (441, 20478), (446, 20484), (495, 20574), (546, 20679), (549, 20688), (563, 20730), (569, 20748), (596, 20808), (597, 20811), (623, 20886), (628, 20904), (680, 21045), (693, 21081), (760, 21294), (791, 21396), (794, 21405), (827, 21519), (833, 21540), (835, 21549),

Gene: Arcanine_28 Start: 20852, Stop: 22654, Start Num: 109

Candidate Starts for Arcanine_28:

(Start: 109 @20852 has 207 MA's), (Start: 124 @20873 has 4 MA's), (Start: 146 @20915 has 1 MA's), (171, 20960), (264, 21176), (283, 21221), (289, 21230), (321, 21320), (322, 21323), (365, 21416), (413, 21518), (449, 21587), (545, 21776), (549, 21788), (551, 21791), (556, 21812), (596, 21908), (597, 21911), (599, 21917), (623, 21986), (628, 22004), (630, 22013), (639, 22043), (681, 22139), (693, 22172), (698, 22187), (745, 22328), (760, 22385), (794, 22496),

Gene: ArcherNM_30 Start: 21966, Stop: 23738, Start Num: 108

Candidate Starts for ArcherNM_30:

(65, 21900), (Start: 90 @21942 has 8 MA's), (Start: 108 @21966 has 545 MA's), (202, 22149), (232, 22200), (233, 22203), (262, 22275), (264, 22278), (289, 22332), (292, 22338), (301, 22371), (338, 22449), (341, 22455), (347, 22467), (373, 22536), (410, 22611), (412, 22617), (413, 22620), (513, 22806), (549, 22890), (551, 22893), (563, 22932), (583, 22983), (592, 22998), (597, 23013), (637, 23139), (639, 23145), (669, 23193), (689, 23244), (693, 23256), (698, 23271), (701, 23277), (724, 23331), (738, 23385), (760, 23469), (780, 23535), (792, 23574), (794, 23580),

Gene: Archetta_24 Start: 19557, Stop: 21356, Start Num: 108

Candidate Starts for Archetta_24:

(Start: 108 @19557 has 545 MA's), (184, 19695), (233, 19794), (264, 19869), (288, 19920), (310, 19992), (318, 20007), (338, 20040), (341, 20046), (389, 20139), (430, 20241), (441, 20271), (446, 20277), (495, 20367), (513, 20397), (545, 20469), (549, 20481), (551, 20484), (563, 20523), (569, 20541), (596, 20601), (597, 20604), (613, 20655), (628, 20697), (680, 20838), (695, 20880), (794, 21198), (833, 21333),

Gene: ArchiDore_19 Start: 16244, Stop: 17938, Start Num: 132

Candidate Starts for ArchiDore_19:

(48, 16094), (107, 16208), (Start: 126 @16232 has 16 MA's), (Start: 132 @16244 has 1 MA's), (Start: 209 @16421 has 1 MA's), (213, 16427), (235, 16493), (288, 16607), (309, 16673), (310, 16679), (401, 16859), (403, 16865), (412, 16898), (483, 17027), (504, 17039), (513, 17060), (545, 17132), (585, 17237), (586, 17240), (609, 17303), (610, 17306), (623, 17339), (693, 17507), (695, 17513), (742, 17612), (843, 17930),

Gene: Archimedes_16 Start: 14567, Stop: 16171, Start Num: 175

Candidate Starts for Archimedes_16:

(Start: 175 @14567 has 47 MA's), (203, 14654), (256, 14759), (278, 14822), (282, 14828), (294, 14852), (340, 14960), (366, 15029), (456, 15212), (461, 15224), (483, 15278), (547, 15422), (549, 15428), (568, 15494), (573, 15512), (618, 15638), (661, 15668), (712, 15749), (713, 15752), (744, 15860), (747, 15869), (755, 15902), (808, 16049),

Gene: Archis_20 Start: 16861, Stop: 18507, Start Num: 175

Candidate Starts for Archis_20:

(156, 16825), (Start: 175 @16861 has 47 MA's), (213, 16963), (253, 17041), (254, 17044), (294, 17140), (304, 17179), (345, 17260), (364, 17314), (370, 17329), (456, 17500), (466, 17530), (549, 17713), (556, 17737), (557, 17740), (571, 17788), (604, 17881), (608, 17893), (626, 17938), (661, 17953), (712, 18085), (713, 18088), (742, 18187), (747, 18205), (760, 18256), (780, 18322), (808, 18385), (813, 18397),

Gene: ArcusAngelus_16 Start: 14845, Stop: 16554, Start Num: 87

Candidate Starts for ArcusAngelus_16:

(Start: 87 @14845 has 207 MA's), (150, 14932), (Start: 175 @14977 has 47 MA's), (182, 15001), (230, 15106), (233, 15112), (242, 15130), (257, 15160), (300, 15265), (323, 15325), (338, 15346), (342, 15355), (351, 15373), (352, 15379), (396, 15454), (402, 15466), (408, 15481), (410, 15487), (420, 15505), (427, 15520), (429, 15526), (436, 15547), (445, 15562), (448, 15565), (455, 15577), (456, 15583), (474, 15631), (480, 15643), (484, 15649), (515, 15709), (522, 15721), (538, 15757), (541, 15769), (542, 15772), (549, 15790), (571, 15844), (573, 15853), (581, 15871), (584, 15877), (667, 16012), (671, 16021), (673, 16024), (687, 16060), (701, 16099), (716, 16138), (744, 16237), (751, 16258), (759, 16291), (768, 16321), (776, 16351), (778, 16357), (779, 16360), (781, 16366), (792, 16381), (793, 16384), (800, 16408), (817, 16450), (833, 16522), (834, 16528),

Gene: Ardmore_16 Start: 14856, Stop: 16565, Start Num: 87

Candidate Starts for Ardmore_16:

(Start: 87 @14856 has 207 MA's), (150, 14943), (Start: 175 @14988 has 47 MA's), (182, 15012), (230, 15117), (233, 15123), (242, 15141), (257, 15171), (300, 15276), (323, 15336), (338, 15357), (342, 15366), (352, 15390), (396, 15465), (398, 15468), (420, 15516), (427, 15531), (429, 15537), (445, 15573), (448, 15576), (455, 15588), (456, 15594), (474, 15642), (480, 15654), (484, 15660), (515, 15720), (522, 15732), (538, 15768), (541, 15780), (571, 15855), (573, 15864), (581, 15882), (584, 15888), (596, 15918), (667, 16023), (671, 16032), (673, 16035), (687, 16071), (716, 16149), (744, 16248), (751, 16269), (759, 16302), (768, 16332), (776, 16362), (779, 16371), (781, 16377), (792, 16392), (793, 16395), (800, 16419), (813, 16449), (817, 16461), (822, 16491), (833, 16533),

Gene: Argent26_26 Start: 19736, Stop: 21415, Start Num: 94

Candidate Starts for Argent26_26:

(Start: 94 @19736 has 79 MA's), (Start: 147 @19820 has 45 MA's), (Start: 183 @19898 has 1 MA's), (227, 19985), (233, 20000), (257, 20048), (271, 20087), (306, 20174), (321, 20207), (342, 20243), (354, 20273), (356, 20279), (400, 20348), (424, 20378), (428, 20390), (429, 20393), (456, 20450), (517, 20582), (520, 20588), (547, 20654), (549, 20660), (556, 20684), (573, 20732), (584, 20756), (589, 20765), (616, 20840), (671, 20891), (678, 20906), (736, 21068), (742, 21095), (751, 21125), (780, 21230), (815, 21308), (822, 21344), (824, 21353), (833, 21386), (838, 21401),

Gene: Arib1_19 Start: 16391, Stop: 18127, Start Num: 82

Candidate Starts for Arib1_19:

(Start: 82 @16391 has 44 MA's), (136, 16472), (138, 16475), (170, 16526), (193, 16589), (Start: 195 @16595 has 39 MA's), (213, 16634), (232, 16667), (244, 16691), (296, 16811), (299, 16826), (306, 16850), (309, 16856), (351, 16940), (365, 16982), (396, 17021), (400, 17027), (417, 17066), (420, 17072), (430, 17096), (456, 17150), (463, 17171), (490, 17231), (526, 17309), (541, 17348), (554, 17381), (573, 17447), (584, 17471), (594, 17495), (605, 17525), (610, 17537), (682, 17639), (734, 17777), (755, 17861), (787, 17960), (813, 18017), (824, 18068), (838, 18116),

Gene: Ariel_34 Start: 24674, Stop: 26407, Start Num: 89

Candidate Starts for Ariel_34:

(Start: 89 @24674 has 30 MA's), (Start: 147 @24764 has 45 MA's), (150, 24767), (182, 24842), (193, 24869), (227, 24935), (244, 24971), (259, 25001), (264, 25016), (298, 25100), (309, 25136), (321, 25163), (343, 25202), (356, 25235), (359, 25244), (398, 25301), (413, 25343), (453, 25418), (456, 25430), (480, 25490), (503, 25544), (517, 25574), (526, 25592), (531, 25601), (542, 25634), (547, 25646), (549, 25652), (561, 25691), (584, 25748), (678, 25898), (682, 25916), (700, 25958), (711, 25982), (712, 25985), (716, 26000), (727, 26030), (736, 26060), (751, 26117), (803, 26267), (835, 26387), (838, 26393),

Gene: Arissanae_28 Start: 19809, Stop: 21599, Start Num: 108

Candidate Starts for Arissanae_28:

(Start: 105 @19806 has 8 MA's), (Start: 108 @19809 has 545 MA's), (129, 19827), (160, 19884), (171, 19905), (192, 19965), (208, 20007), (232, 20043), (233, 20046), (264, 20121), (289, 20175), (292, 20181), (321, 20265), (338, 20292), (341, 20298), (373, 20379), (412, 20460), (413, 20463), (441, 20523), (449, 20532), (540, 20712), (551, 20736), (563, 20775), (597, 20856), (653, 21027), (681, 21084), (683, 21093), (693, 21117), (698, 21132), (710, 21156), (724, 21192), (735, 21231), (738, 21246), (760, 21330), (780, 21396), (792, 21435), (794, 21441), (809, 21486),

Gene: Arlo_26 Start: 20726, Stop: 22528, Start Num: 109

Candidate Starts for Arlo_26:

(Start: 109 @20726 has 207 MA's), (Start: 124 @20747 has 4 MA's), (Start: 146 @20789 has 1 MA's), (171, 20834), (264, 21050), (283, 21095), (289, 21104), (301, 21143), (321, 21194), (322, 21197), (365, 21290), (413, 21392), (449, 21461), (549, 21662), (551, 21665), (556, 21686), (596, 21782), (597, 21785), (599, 21791), (623, 21860), (628, 21878), (630, 21887), (639, 21917), (681, 22013), (693, 22046), (698, 22061), (745, 22202), (760, 22259), (794, 22370),

Gene: Aroostook_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Aroostook_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Artemis2UCLA_31 Start: 19873, Stop: 21645, Start Num: 108

Candidate Starts for Artemis2UCLA_31:

(65, 19807), (Start: 90 @19849 has 8 MA's), (Start: 108 @19873 has 545 MA's), (233, 20110), (262, 20182), (264, 20185), (Start: 268 @20200 has 11 MA's), (289, 20239), (292, 20245), (338, 20356), (341, 20362), (356, 20401), (373, 20443), (399, 20482), (412, 20524), (413, 20527), (495, 20683), (557, 20824), (563, 20839), (639, 21052), (689, 21151), (698, 21178), (720, 21229), (724, 21238), (735, 21277), (738, 21292), (760, 21376), (792, 21481), (794, 21487), (833, 21622),

Gene: Arti_41 Start: 29812, Stop: 31425, Start Num: 194

Candidate Starts for Arti_41:

(Start: 194 @29812 has 87 MA's), (Start: 209 @29848 has 1 MA's), (216, 29866), (243, 29926), (351, 30166), (353, 30178), (359, 30193), (401, 30259), (405, 30274), (419, 30298), (421, 30301), (457, 30385), (469, 30415), (470, 30418), (499, 30475), (519, 30523), (521, 30526), (532, 30547), (570, 30652), (592, 30697), (604, 30739), (669, 30913), (681, 30943), (683, 30949), (729, 31057), (730, 31060), (751, 31135), (822, 31354), (838, 31411),

Gene: Arturo_26 Start: 19939, Stop: 21717, Start Num: 108

Candidate Starts for Arturo_26:

(Start: 90 @19915 has 8 MA's), (Start: 108 @19939 has 545 MA's), (Start: 146 @19996 has 1 MA's), (Start: 175 @20050 has 47 MA's), (179, 20065), (184, 20083), (227, 20167), (232, 20179), (233, 20182), (264, 20257), (Start: 268 @20272 has 11 MA's), (289, 20311), (338, 20428), (373, 20515), (412, 20596), (435, 20644), (449, 20668), (495, 20755), (522, 20800), (551, 20872), (556, 20893), (563, 20911), (597, 20992), (628, 21085), (630, 21094), (637, 21118), (639, 21124), (647, 21148), (681, 21202), (689, 21223), (710, 21274), (719, 21298), (736, 21352), (760, 21448), (792, 21553), (795, 21568), (828, 21676), (833, 21694),

Gene: Asayake_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Asayake_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: Ashballer_27 Start: 21575, Stop: 23377, Start Num: 109

Candidate Starts for Ashballer_27:

(Start: 109 @21575 has 207 MA's), (Start: 124 @21596 has 4 MA's), (Start: 146 @21638 has 1 MA's), (171, 21683), (264, 21899), (283, 21944), (289, 21953), (301, 21992), (321, 22043), (322, 22046), (413, 22241), (449, 22310), (549, 22511), (551, 22514), (556, 22535), (596, 22631), (597, 22634), (599, 22640), (623, 22709), (628, 22727), (630, 22736), (639, 22766), (681, 22862), (693, 22895), (698, 22910), (745, 23051), (760, 23108), (794, 23219),

Gene: Ashwin_58 Start: 33959, Stop: 35695, Start Num: 74

Candidate Starts for Ashwin_58:

(Start: 69 @33950 has 2 MA's), (Start: 74 @33959 has 26 MA's), (134, 34049), (187, 34166), (203, 34202), (214, 34223), (230, 34250), (233, 34256), (249, 34286), (261, 34310), (281, 34361), (342, 34499), (344, 34505), (363, 34556), (365, 34559), (374, 34577), (420, 34628), (429, 34649), (430, 34652), (455, 34700), (456, 34706), (474, 34754), (477, 34760), (480, 34766), (504, 34826), (515, 34850), (517, 34853), (538, 34898), (542, 34913), (546, 34922), (549, 34931), (564, 34976), (573, 34994), (589, 35027), (673, 35165), (680, 35186), (706, 35252), (717, 35282), (734, 35336), (744, 35378), (751, 35399), (755, 35420), (759, 35432), (765, 35453), (781, 35507), (815, 35585), (822, 35621), (827, 35642), (834, 35669),

Gene: Asriel_23 Start: 18698, Stop: 20293, Start Num: 147

Candidate Starts for Asriel_23:

(Start: 94 @18614 has 79 MA's), (Start: 147 @18698 has 45 MA's), (Start: 183 @18776 has 1 MA's), (227, 18863), (233, 18878), (257, 18926), (271, 18965), (306, 19052), (310, 19064), (321, 19085), (342, 19121), (354, 19151), (356, 19157), (400, 19226), (424, 19256), (428, 19268), (429, 19271), (456, 19328), (517, 19460), (520, 19466), (547, 19532), (549, 19538), (556, 19562), (573, 19610), (584, 19634), (589, 19643), (616, 19718), (671, 19769), (678, 19784), (736, 19946), (742, 19973), (751, 20003), (780, 20108), (815, 20186), (822, 20222), (824, 20231), (833, 20264), (838, 20279),

Gene: Astro_24 Start: 18655, Stop: 20445, Start Num: 108

Candidate Starts for Astro_24:

(Start: 90 @18631 has 8 MA's), (Start: 108 @18655 has 545 MA's), (170, 18748), (184, 18793), (233, 18892), (247, 18928), (264, 18967), (Start: 268 @18982 has 11 MA's), (288, 19018), (338, 19138), (341, 19144), (399, 19264), (456, 19393), (495, 19465), (549, 19579), (628, 19795), (637, 19828), (681, 19930), (693, 19963), (698, 19978), (713, 20008), (791, 20278), (794, 20287), (795, 20296), (830, 20410),

Gene: Atcoo_19 Start: 16260, Stop: 17996, Start Num: 82

Candidate Starts for Atcoo_19:

(Start: 71 @16236 has 2 MA's), (Start: 82 @16260 has 44 MA's), (128, 16320), (136, 16341), (138, 16344), (Start: 195 @16464 has 39 MA's), (213, 16503), (232, 16536), (244, 16560), (296, 16680), (306, 16719), (309, 16725), (351, 16809), (352, 16815), (356, 16827), (365, 16851), (379, 16878), (400, 16896), (417, 16935), (420, 16941), (430, 16965), (456, 17019), (461, 17031), (463, 17040), (490, 17100), (526, 17178), (541, 17217), (554, 17250), (573, 17316), (578, 17331), (584, 17340), (594, 17364), (605, 17394), (610, 17406), (682, 17508), (689, 17520), (691, 17523), (692, 17529), (695, 17538), (734, 17646), (755, 17730), (787, 17829), (824, 17937), (838, 17985),

Gene: Atiba_23 Start: 17117, Stop: 18883, Start Num: 79

Candidate Starts for Atiba_23:

(Start: 79 @17117 has 139 MA's), (101, 17147), (184, 17306), (Start: 196 @17339 has 7 MA's), (210, 17369), (221, 17402), (227, 17414), (266, 17504), (288, 17546), (310, 17618), (315, 17627), (338, 17666), (356, 17711), (363, 17732), (365, 17735), (393, 17789), (399, 17807), (412, 17849), (418, 17855), (430, 17882), (515, 18020), (525, 18038), (541, 18080), (548, 18098), (558, 18128), (573, 18155), (612, 18260), (681, 18419), (694, 18455), (706, 18485), (718, 18494), (745, 18569), (759, 18620), (795, 18719), (824, 18815), (834, 18854), (835, 18857), (843, 18875),

Gene: Atkinbua_29 Start: 21550, Stop: 23352, Start Num: 109

Candidate Starts for Atkinbua_29:

(Start: 109 @21550 has 207 MA's), (Start: 124 @21571 has 4 MA's), (Start: 146 @21613 has 1 MA's), (171, 21658), (264, 21874), (283, 21919), (289, 21928), (301, 21967), (321, 22018), (322, 22021), (413, 22216), (449, 22285), (549, 22486), (551, 22489), (556, 22510), (596, 22606), (597, 22609), (599, 22615), (623, 22684), (628, 22702), (630, 22711), (639, 22741), (681, 22837), (693, 22870), (698, 22885), (745, 23026), (760, 23083), (794, 23194), (840, 23347),

Gene: Attis_17 Start: 14751, Stop: 16460, Start Num: 195

Candidate Starts for Attis_17:

(140, 14616), (Start: 195 @14751 has 39 MA's), (269, 14940), (270, 14943), (301, 15018), (328, 15072), (359, 15141), (363, 15153), (405, 15231), (406, 15234), (462, 15366), (487, 15420), (503, 15471), (516, 15501), (541, 15561), (546, 15573), (564, 15609), (604, 15726), (610, 15744), (625, 15783), (655, 15879), (701, 15987), (785, 16263), (787, 16266), (797, 16314), (810, 16344),

Gene: Aubs_16 Start: 14966, Stop: 16675, Start Num: 87

Candidate Starts for Aubs_16:

(Start: 87 @14966 has 207 MA's), (150, 15053), (Start: 175 @15098 has 47 MA's), (182, 15122), (230, 15227), (233, 15233), (242, 15251), (257, 15281), (300, 15386), (323, 15446), (338, 15467), (342, 15476), (352, 15500), (396, 15575), (408, 15602), (410, 15608), (420, 15626), (427, 15641), (429, 15647), (445, 15683), (448, 15686), (455, 15698), (456, 15704), (474, 15752), (480, 15764), (484, 15770), (515, 15830), (522, 15842), (538, 15878), (541, 15890), (571, 15965), (573, 15974), (581, 15992), (584, 15998), (596, 16028), (667, 16133), (671, 16142), (673, 16145), (687, 16181), (716, 16259), (744, 16358), (751, 16379), (759, 16412), (768, 16442), (776, 16472), (779, 16481), (781, 16487), (792, 16502), (793, 16505), (800, 16529), (813, 16559), (817, 16571), (822, 16601), (833, 16643),

Gene: AugsMagnumOpus_31 Start: 20371, Stop: 22167, Start Num: 108

Candidate Starts for AugsMagnumOpus_31:

(Start: 108 @20371 has 545 MA's), (Start: 146 @20428 has 1 MA's), (154, 20443), (173, 20476), (179, 20497), (Start: 183 @20512 has 1 MA's), (227, 20599), (232, 20611), (233, 20614), (264, 20689), (Start: 268 @20704 has 11 MA's), (288, 20740), (373, 20947), (430, 21061), (449, 21100), (495, 21187), (549, 21301), (556, 21325), (563, 21343), (597, 21424), (623, 21499), (628, 21517), (637, 21550), (639, 21556), (653, 21595), (680, 21649), (681, 21652), (689, 21673), (713, 21730), (760, 21898), (792, 22003), (794, 22009), (833, 22144),

Gene: AuntGwenStacy_24 Start: 19608, Stop: 21443, Start Num: 51

Candidate Starts for AuntGwenStacy_24:

(Start: 51 @19608 has 4 MA's), (70, 19656), (Start: 75 @19665 has 25 MA's), (102, 19704), (129, 19734), (135, 19746), (154, 19782), (171, 19812), (Start: 175 @19821 has 47 MA's), (179, 19836), (Start: 196 @19887 has 7 MA's), (Start: 197 @19890 has 1 MA's), (239, 19989), (299, 20130), (318, 20181), (321, 20187), (343, 20226), (363, 20280), (399, 20349), (412, 20391), (431, 20427), (434, 20436), (477, 20514), (482, 20523), (501, 20553), (513, 20586), (515, 20589), (541, 20649), (551, 20673), (554, 20682), (582, 20751), (622, 20856), (623, 20859), (630, 20886), (727, 21069), (813,

21324), (834, 21414), (835, 21417), (836, 21420),

Gene: AvatarAhPeg_28 Start: 20105, Stop: 21904, Start Num: 108

Candidate Starts for AvatarAhPeg_28:

(Start: 90 @20081 has 8 MA's), (Start: 108 @20105 has 545 MA's), (Start: 112 @20111 has 3 MA's), (Start: 146 @20165 has 1 MA's), (179, 20234), (208, 20312), (227, 20336), (232, 20348), (233, 20351), (264, 20426), (Start: 268 @20441 has 11 MA's), (289, 20480), (322, 20573), (338, 20597), (373, 20684), (430, 20798), (495, 20924), (522, 20969), (549, 21038), (556, 21062), (559, 21074), (597, 21161), (628, 21254), (637, 21287), (639, 21293), (645, 21308), (680, 21386), (681, 21389), (689, 21410), (760, 21635), (784, 21713), (785, 21716), (792, 21740), (794, 21746), (833, 21881), (840, 21899),

Gene: Avle17_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Avle17_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Avocado_18 Start: 16914, Stop: 18653, Start Num: 97

Candidate Starts for Avocado_18:

(Start: 75 @16905 has 25 MA's), (Start: 97 @16914 has 44 MA's), (Start: 120 @16944 has 4 MA's), (154, 17007), (155, 17010), (167, 17028), (179, 17061), (Start: 195 @17109 has 39 MA's), (Start: 196 @17112 has 7 MA's), (264, 17268), (Start: 268 @17283 has 11 MA's), (304, 17373), (322, 17415), (359, 17493), (399, 17589), (405, 17607), (412, 17631), (418, 17637), (434, 17676), (454, 17712), (479, 17757), (515, 17802), (555, 17898), (556, 17907), (583, 17964), (612, 18042), (623, 18069), (632, 18105), (665, 18159), (693, 18222), (704, 18252), (751, 18357), (756, 18381), (771, 18420), (791, 18471), (835, 18627), (836, 18630),

Gene: Avrafan_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Avrafan_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Awesomesauce_17 Start: 14672, Stop: 16381, Start Num: 87

Candidate Starts for Awesomesauce_17:

(Start: 87 @14672 has 207 MA's), (150, 14759), (Start: 175 @14804 has 47 MA's), (182, 14828), (230, 14933), (233, 14939), (242, 14957), (247, 14966), (257, 14987), (300, 15092), (323, 15152), (329, 15161), (338, 15173), (342, 15182), (352, 15206), (365, 15242), (368, 15248), (374, 15260), (396, 15281), (398, 15284), (402, 15293), (408, 15308), (410, 15314), (420, 15332), (427, 15347), (429, 15353), (435, 15371), (436, 15374), (445, 15389), (455, 15404), (456, 15410), (474, 15458), (480, 15470), (484, 15476), (515, 15536), (522, 15548), (526, 15557), (538, 15584), (541, 15596), (549, 15617), (571, 15671), (573, 15680), (584, 15704), (596, 15734), (667, 15839), (673, 15851), (687, 15887), (716, 15965), (744, 16064), (751, 16085), (759, 16118), (768, 16148), (776, 16178), (778, 16184), (779, 16187), (781, 16193), (792, 16208), (793, 16211), (798, 16232), (817, 16277), (833, 16349), (834, 16355),

Gene: Ayotoya_22 Start: 18130, Stop: 19836, Start Num: 126

Candidate Starts for Ayotoya_22:

(Start: 69 @18055 has 2 MA's), (Start: 126 @18130 has 16 MA's), (Start: 175 @18223 has 47 MA's), (179, 18238), (181, 18244), (Start: 209 @18319 has 1 MA's), (235, 18391), (286, 18502), (301, 18547), (306, 18565), (310, 18577), (395, 18748), (401, 18757), (403, 18763), (442, 18859), (466, 18910), (546, 19033), (558, 19072), (610, 19204), (647, 19318), (693, 19405), (744, 19519), (747, 19528), (780, 19633), (814, 19720), (843, 19828),

Gene: Azula_21 Start: 16962, Stop: 18611, Start Num: 175

Candidate Starts for Azula_21:

(156, 16926), (Start: 175 @16962 has 47 MA's), (178, 16971), (213, 17067), (253, 17145), (280, 17217), (294, 17244), (304, 17283), (345, 17364), (364, 17418), (456, 17604), (466, 17634), (514, 17733), (549, 17817), (556, 17841), (571, 17892), (604, 17985), (608, 17997), (626, 18042), (661, 18057), (712, 18189), (713, 18192), (742, 18291), (747, 18309), (760, 18360), (778, 18420), (780, 18426), (813, 18501),

Gene: AzulaCat_18 Start: 16640, Stop: 18403, Start Num: 75

Candidate Starts for AzulaCat_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: B1_25 Start: 19592, Stop: 21391, Start Num: 108

Candidate Starts for B1_25:

(Start: 108 @19592 has 545 MA's), (Start: 146 @19652 has 1 MA's), (179, 19721), (227, 19823), (232, 19835), (233, 19838), (264, 19913), (Start: 268 @19928 has 11 MA's), (269, 19931), (289, 19967), (347, 20102), (373, 20171), (430, 20285), (495, 20411), (549, 20525), (551, 20528), (556, 20549), (563, 20567), (597, 20648), (623, 20723), (628, 20741), (630, 20750), (637, 20774), (639, 20780), (645, 20795), (653, 20819), (662, 20828), (680, 20873), (681, 20876), (689, 20897), (693, 20909), (760, 21122), (768, 21146), (792, 21227), (794, 21233), (833, 21368),

Gene: BABullseye_31 Start: 20049, Stop: 21821, Start Num: 108

Candidate Starts for BABullseye_31:

(Start: 108 @20049 has 545 MA's), (208, 20247), (233, 20286), (262, 20358), (264, 20361), (269, 20379), (289, 20415), (292, 20421), (338, 20532), (341, 20538), (356, 20577), (373, 20619), (399, 20658), (412, 20700), (413, 20703), (441, 20763), (557, 21000), (563, 21015), (597, 21096), (639, 21228), (698, 21354), (720, 21405), (724, 21414), (735, 21453), (736, 21456), (738, 21468), (760, 21552), (792, 21657), (794, 21663), (833, 21798),

Gene: BAKA_34 Start: 27001, Stop: 28999, Start Num: 89

Candidate Starts for BAKA_34:

(Start: 89 @27001 has 30 MA's), (Start: 147 @27091 has 45 MA's), (172, 27139), (182, 27169), (244, 27298), (259, 27328), (298, 27427), (309, 27463), (321, 27490), (356, 27562), (359, 27571), (368, 27592), (410, 27661), (429, 27700), (430, 27703), (435, 27718), (456, 27757), (474, 27805), (480, 27817), (484, 27823), (503, 27871), (507, 27880), (517, 27901), (526, 27919), (545, 27967), (581, 28069), (610, 28141), (627, 28186), (629, 28198), (656, 28333), (657, 28339), (658, 28363), (659, 28435), (665, 28462), (752, 28711),

Gene: BEEST_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for BEEST_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: BGIlluviae_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for BGIlluviae_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: BK1_25 Start: 20661, Stop: 22463, Start Num: 109

Candidate Starts for BK1_25:

(Start: 109 @20661 has 207 MA's), (Start: 124 @20682 has 4 MA's), (Start: 146 @20724 has 1 MA's), (171, 20769), (264, 20985), (283, 21030), (289, 21039), (301, 21078), (321, 21129), (322, 21132), (413, 21327), (449, 21396), (545, 21585), (549, 21597), (551, 21600), (556, 21621), (596, 21717), (597, 21720), (599, 21726), (623, 21795), (628, 21813), (630, 21822), (639, 21852), (681, 21948), (693, 21981), (698, 21996), (745, 22137), (760, 22194), (794, 22305),

Gene: BPBiabs31_28 Start: 21364, Stop: 23166, Start Num: 109

Candidate Starts for BPBiabs31_28:

(Start: 109 @21364 has 207 MA's), (Start: 124 @21385 has 4 MA's), (Start: 146 @21427 has 1 MA's), (171, 21472), (264, 21688), (283, 21733), (289, 21742), (301, 21781), (321, 21832), (322, 21835), (365, 21928), (413, 22030), (449, 22099), (549, 22300), (551, 22303), (556, 22324), (596, 22420), (597, 22423), (599, 22429), (623, 22498), (628, 22516), (630, 22525), (639, 22555), (681, 22651), (693, 22684), (698, 22699), (745, 22840), (760, 22897), (794, 23008),

Gene: BPs_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for BPs_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: BQuat_18 Start: 16631, Stop: 18394, Start Num: 75

Candidate Starts for BQuat_18:

(Start: 75 @16631 has 25 MA's), (Start: 97 @16640 has 44 MA's), (101, 16646), (Start: 105 @16652 has 8 MA's), (179, 16784), (Start: 196 @16835 has 7 MA's), (210, 16865), (219, 16889), (264, 16991), (279, 17030), (283, 17036), (292, 17051), (304, 17096), (359, 17216), (385, 17273), (399, 17312), (418, 17360), (430, 17387), (434, 17399), (479, 17480), (515, 17525), (597, 17723), (606, 17753), (612, 17771), (623, 17798), (648, 17882), (665, 17900), (677, 17915), (693, 17963), (698, 17978), (733, 18041), (751, 18098), (760, 18137), (776, 18179), (795, 18230), (824, 18326), (843, 18386),

Gene: BabeRuth_18 Start: 14993, Stop: 16702, Start Num: 91

Candidate Starts for BabeRuth_18:

(Start: 91 @14993 has 42 MA's), (115, 15020), (136, 15059), (Start: 175 @15125 has 47 MA's), (178, 15137), (190, 15173), (199, 15197), (213, 15224), (227, 15245), (230, 15254), (233, 15260), (251, 15293), (320, 15467), (323, 15473), (329, 15482), (337, 15491), (342, 15503), (352, 15527), (368, 15569), (396, 15602), (420, 15653), (422, 15656), (427, 15668), (445, 15710), (455, 15725), (456, 15731), (474, 15779), (497, 15833), (515, 15857), (546, 15929), (564, 15983), (571, 15992), (573, 16001), (584, 16025), (595, 16052), (596, 16055), (667, 16160), (671, 16169), (687, 16208), (717, 16289), (735, 16346), (744, 16385), (776, 16499), (792, 16529), (793, 16532), (800, 16556), (815, 16592),

Gene: BaboJay_23 Start: 19296, Stop: 20975, Start Num: 94

Candidate Starts for BaboJay_23:

(Start: 94 @19296 has 79 MA's), (Start: 147 @19380 has 45 MA's), (Start: 183 @19458 has 1 MA's), (227, 19545), (233, 19560), (257, 19608), (271, 19647), (306, 19734), (321, 19767), (342, 19803), (354, 19833), (356, 19839), (400, 19908), (424, 19938), (428, 19950), (429, 19953), (456, 20010), (517, 20142), (520, 20148), (547, 20214), (549, 20220), (556, 20244), (573, 20292), (584, 20316), (589, 20325), (616, 20400), (671, 20451), (678, 20466), (736, 20628), (742, 20655), (751, 20685), (780, 20790), (815, 20868), (822, 20904), (824, 20913), (833, 20946), (838, 20961),

Gene: Babsiella_19 Start: 16430, Stop: 18163, Start Num: 96

Candidate Starts for Babsiella_19:

(Start: 96 @16430 has 6 MA's), (159, 16529), (165, 16538), (190, 16604), (199, 16628), (232, 16688), (233, 16691), (247, 16718), (320, 16898), (337, 16922), (342, 16934), (352, 16958), (420, 17084), (427, 17099), (430, 17108), (448, 17144), (456, 17162), (480, 17222), (564, 17414), (571, 17423), (573, 17432), (584, 17456), (671, 17600), (689, 17645), (727, 17747), (729, 17756), (734, 17774), (735, 17777), (776, 17936), (782, 17954), (792, 17990), (795, 18005), (815, 18053), (831, 18122),

Gene: Baby16_27 Start: 19836, Stop: 21614, Start Num: 108

Candidate Starts for Baby16_27:

(Start: 90 @19812 has 8 MA's), (Start: 108 @19836 has 545 MA's), (Start: 146 @19893 has 1 MA's), (Start: 175 @19947 has 47 MA's), (179, 19962), (184, 19980), (227, 20064), (232, 20076), (233, 20079), (264, 20154), (Start: 268 @20169 has 11 MA's), (289, 20208), (338, 20325), (373, 20412), (412, 20493), (435, 20541), (449, 20565), (495, 20652), (522, 20697), (551, 20769), (556, 20790), (563, 20808), (597, 20889), (628, 20982), (630, 20991), (637, 21015), (639, 21021), (647, 21045), (681, 21099), (689, 21120), (710, 21171), (719, 21195), (736, 21249), (760, 21345), (792, 21450), (795, 21465), (828, 21573), (833, 21591),

Gene: BabyBack_30 Start: 21767, Stop: 23563, Start Num: 90

Candidate Starts for BabyBack_30:

(Start: 90 @21767 has 8 MA's), (Start: 108 @21791 has 545 MA's), (232, 22025), (233, 22028), (264, 22103), (269, 22121), (292, 22163), (338, 22274), (356, 22319), (373, 22361), (412, 22442), (413, 22445), (495, 22601), (513, 22631), (549, 22715), (551, 22718), (597, 22838), (637, 22964), (639, 22970), (669, 23018), (685, 23060), (689, 23069), (698, 23096), (710, 23120), (714, 23132), (735, 23195), (736, 23198), (738, 23210), (760, 23294), (792, 23399), (794, 23405), (798, 23423), (813, 23459), (833, 23540),

Gene: BabyJohn_26 Start: 20176, Stop: 21975, Start Num: 108

Candidate Starts for BabyJohn_26:

(Start: 108 @20176 has 545 MA's), (Start: 146 @20236 has 1 MA's), (179, 20305), (227, 20407), (232, 20419), (233, 20422), (264, 20497), (Start: 268 @20512 has 11 MA's), (269, 20515), (289, 20551), (347, 20686), (373, 20755), (430, 20869), (495, 20995), (549, 21109), (551, 21112), (556, 21133), (563, 21151), (597, 21232), (623, 21307), (628, 21325), (630, 21334), (637, 21358), (639, 21364), (645, 21379), (662, 21412), (680, 21457), (681, 21460), (689, 21481), (693, 21493), (760, 21706), (768, 21730), (792, 21811), (794, 21817), (826, 21928), (833, 21952),

Gene: BabyMoney_21 Start: 17999, Stop: 19657, Start Num: 152

Candidate Starts for BabyMoney_21:

(53, 17810), (76, 17870), (133, 17963), (Start: 152 @17999 has 2 MA's), (Start: 157 @18011 has 3 MA's), (Start: 198 @18125 has 1 MA's), (200, 18131), (228, 18179), (242, 18209), (267, 18275), (269, 18281), (312, 18392), (316, 18401), (333, 18428), (338, 18437), (349, 18458), (428, 18629), (429, 18632), (458, 18698), (463, 18713), (498, 18797), (508, 18806), (529, 18848), (538, 18869), (555, 18917), (557, 18929), (566, 18956), (594, 19025), (620, 19094), (667, 19127), (691, 19184), (712, 19235), (733, 19304), (756, 19391), (760, 19406), (777, 19463), (780, 19472), (814, 19550), (816, 19556),

Gene: BabyRay_27 Start: 20152, Stop: 21951, Start Num: 108

Candidate Starts for BabyRay_27:

(Start: 108 @20152 has 545 MA's), (Start: 146 @20212 has 1 MA's), (179, 20281), (227, 20383), (232, 20395), (233, 20398), (264, 20473), (Start: 268 @20488 has 11 MA's), (269, 20491), (289, 20527), (347, 20662), (373, 20731), (430, 20845), (495, 20971), (549, 21085), (551, 21088), (556, 21109), (563, 21127), (597, 21208), (623, 21283), (628, 21301), (630, 21310), (637, 21334), (639, 21340), (645, 21355), (662, 21388), (680, 21433), (681, 21436), (689, 21457), (693, 21469), (760, 21682), (768, 21706), (792, 21787), (794, 21793), (815, 21853), (833, 21928),

Gene: Bachita_50 Start: 30042, Stop: 31733, Start Num: 110

Candidate Starts for Bachita_50:

(Start: 110 @30042 has 14 MA's), (144, 30102), (159, 30135), (176, 30168), (230, 30294), (244, 30327), (249, 30336), (301, 30465), (319, 30513), (456, 30726), (458, 30732), (466, 30756), (529, 30885), (538, 30906), (549, 30939), (616, 31137), (713, 31290), (742, 31389), (745, 31401), (748, 31410), (771, 31494), (823, 31641), (832, 31677), (835, 31689),

Gene: Bachome_28 Start: 20746, Stop: 22545, Start Num: 108

Candidate Starts for Bachome_28:

(65, 20680), (Start: 90 @20722 has 8 MA's), (Start: 108 @20746 has 545 MA's), (141, 20788), (184, 20884), (189, 20899), (232, 20980), (233, 20983), (264, 21058), (Start: 268 @21073 has 11 MA's), (289, 21112), (292, 21118), (338, 21229), (341, 21235), (373, 21316), (413, 21400), (472, 21526), (500, 21562), (563, 21712), (592, 21778), (596, 21790), (597, 21793), (662, 21982), (674, 22009), (683, 22039), (685, 22042), (693, 22063), (698, 22078), (710, 22102), (735, 22177), (738, 22192), (760, 22276), (792, 22381), (794, 22387), (813, 22441), (840, 22540),

Gene: Backyardigan_27 Start: 19835, Stop: 21634, Start Num: 108

Candidate Starts for Backyardigan_27:

(Start: 90 @19811 has 8 MA's), (Start: 108 @19835 has 545 MA's), (Start: 112 @19841 has 3 MA's), (Start: 146 @19895 has 1 MA's), (179, 19964), (208, 20042), (227, 20066), (233, 20081), (247, 20117), (264, 20156), (Start: 268 @20171 has 11 MA's), (289, 20210), (322, 20303), (338, 20327), (373, 20414), (430, 20528), (449, 20567), (495, 20654), (522, 20699), (549, 20768), (556, 20792), (559, 20804), (597, 20891), (623, 20966), (628, 20984), (630, 20993), (637, 21017), (639, 21023), (645, 21038), (662, 21071), (680, 21116), (681, 21119), (689, 21140), (760, 21365), (784, 21443), (792, 21470), (794, 21476), (833, 21611),

Gene: BaconJack_29 Start: 21344, Stop: 23146, Start Num: 109

Candidate Starts for BaconJack_29:

(Start: 109 @21344 has 207 MA's), (Start: 124 @21365 has 4 MA's), (Start: 146 @21407 has 1 MA's), (171, 21452), (264, 21668), (283, 21713), (289, 21722), (301, 21761), (321, 21812), (322, 21815), (413, 22010), (449, 22079), (549, 22280), (551, 22283), (556, 22304), (596, 22400), (597, 22403), (599, 22409), (623, 22478), (628, 22496), (630, 22505), (639, 22535), (681, 22631), (693, 22664), (698, 22679), (745, 22820), (760, 22877), (794, 22988),

Gene: Bactobuster_29 Start: 21784, Stop: 23556, Start Num: 108

Candidate Starts for Bactobuster_29:

(Start: 90 @21760 has 8 MA's), (Start: 108 @21784 has 545 MA's), (Start: 183 @21919 has 1 MA's), (189, 21937), (232, 22018), (233, 22021), (262, 22093), (264, 22096), (306, 22207), (318, 22234), (338, 22267), (356, 22312), (373, 22354), (413, 22438), (495, 22594), (515, 22627), (592, 22816), (597, 22831), (637, 22957), (639, 22963), (693, 23074), (698, 23089), (701, 23095), (710, 23113), (724, 23149), (735, 23188), (738, 23203), (792, 23392), (794, 23398), (798, 23416), (809, 23443),

Gene: BadStone_23 Start: 19745, Stop: 21424, Start Num: 94

Candidate Starts for BadStone_23:

(Start: 94 @19745 has 79 MA's), (Start: 147 @19829 has 45 MA's), (Start: 183 @19907 has 1 MA's), (227, 19994), (233, 20009), (257, 20057), (271, 20096), (306, 20183), (321, 20216), (342, 20252), (354, 20282), (356, 20288), (400, 20357), (424, 20387), (428, 20399), (429, 20402), (456, 20459), (517, 20591), (520, 20597), (547, 20663), (549, 20669), (556, 20693), (573, 20741), (584, 20765), (589, 20774), (616, 20849), (671, 20900), (678, 20915), (736, 21077), (742, 21104), (751, 21134), (780, 21239), (815, 21317), (822, 21353), (824, 21362), (833, 21395), (838, 21410),

Gene: Badger_27 Start: 19824, Stop: 21623, Start Num: 108

Candidate Starts for Badger_27:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 112 @19830 has 3 MA's), (Start: 146 @19884 has 1 MA's), (179, 19953), (208, 20031), (227, 20055), (233, 20070), (247, 20106), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (322, 20292), (338, 20316), (373, 20403), (430, 20517), (449, 20556), (495, 20643), (522, 20688), (549, 20757), (556, 20781), (559, 20793), (597, 20880), (623, 20955), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (645, 21027), (662, 21060), (680, 21105), (681, 21108), (689, 21129), (760, 21354), (784, 21432), (792, 21459), (794, 21465), (833, 21600),

Gene: Baehexic_29 Start: 20675, Stop: 22447, Start Num: 108

Candidate Starts for Baehexic_29:

(Start: 90 @20651 has 8 MA's), (Start: 108 @20675 has 545 MA's), (Start: 183 @20810 has 1 MA's), (232, 20909), (233, 20912), (262, 20984), (264, 20987), (289, 21041), (292, 21047), (310, 21110), (338, 21158), (373, 21245), (412, 21326), (413, 21329), (430, 21359), (495, 21485), (513, 21515), (551, 21602), (597, 21722), (636, 21845), (637, 21848), (639, 21854), (669, 21902), (693, 21965), (698, 21980), (701, 21986), (724, 22040), (735, 22079), (738, 22094), (747, 22127), (759, 22172), (792, 22283), (794, 22289), (813, 22343),

Gene: BaghaKamala_23 Start: 17117, Stop: 18883, Start Num: 79

Candidate Starts for BaghaKamala_23:

(Start: 79 @17117 has 139 MA's), (101, 17147), (184, 17306), (Start: 196 @17339 has 7 MA's), (210, 17369), (221, 17402), (227, 17414), (266, 17504), (288, 17546), (310, 17618), (315, 17627), (338, 17666), (356, 17711), (363, 17732), (365, 17735), (393, 17789), (399, 17807), (412, 17849), (418, 17855), (430, 17882), (515, 18020), (525, 18038), (541, 18080), (548, 18098), (558, 18128), (573, 18155), (612, 18260), (681, 18419), (694, 18455), (706, 18485), (718, 18494), (745, 18569), (759, 18620), (824, 18815), (834, 18854), (835, 18857), (843, 18875),

Gene: Balomoji_23 Start: 19479, Stop: 21158, Start Num: 94

Candidate Starts for Balomoji_23:

(Start: 94 @19479 has 79 MA's), (Start: 147 @19563 has 45 MA's), (Start: 183 @19641 has 1 MA's), (227, 19728), (233, 19743), (257, 19791), (271, 19830), (306, 19917), (321, 19950), (342, 19986), (354, 20016), (356, 20022), (400, 20091), (424, 20121), (428, 20133), (429, 20136), (456, 20193), (517, 20325), (520, 20331), (547, 20397), (549, 20403), (556, 20427), (573, 20475), (584, 20499), (589, 20508), (616, 20583), (671, 20634), (678, 20649), (736, 20811), (742, 20838), (751, 20868),

(780, 20973), (815, 21051), (822, 21087), (824, 21096), (833, 21129), (838, 21144),

Gene: BangNhom_27 Start: 20138, Stop: 21919, Start Num: 108

Candidate Starts for BangNhom_27:

(Start: 90 @20114 has 8 MA's), (Start: 108 @20138 has 545 MA's), (Start: 112 @20144 has 3 MA's), (Start: 146 @20198 has 1 MA's), (154, 20213), (179, 20267), (184, 20285), (227, 20369), (232, 20381), (233, 20384), (264, 20459), (Start: 268 @20474 has 11 MA's), (289, 20513), (338, 20630), (373, 20717), (412, 20798), (435, 20846), (449, 20870), (495, 20957), (522, 21002), (551, 21074), (556, 21095), (563, 21113), (597, 21194), (623, 21269), (628, 21287), (630, 21296), (637, 21320), (639, 21326), (647, 21350), (678, 21392), (681, 21404), (689, 21425), (710, 21476), (719, 21500), (736, 21554), (760, 21650), (792, 21755), (795, 21770), (828, 21878), (833, 21896),

Gene: Banquo_26 Start: 17827, Stop: 19155, Start Num: 268

Candidate Starts for Banquo_26:

(Start: 268 @17827 has 11 MA's), (276, 17845), (327, 17953), (367, 18043), (392, 18076), (410, 18133), (423, 18151), (426, 18160), (433, 18181), (436, 18190), (455, 18223), (466, 18256), (539, 18319), (549, 18349), (553, 18358), (560, 18367), (564, 18376), (613, 18496), (623, 18523), (635, 18568), (646, 18598), (662, 18628), (696, 18700), (711, 18733), (713, 18739), (764, 18910), (787, 18961), (813, 19045), (816, 19054), (819, 19072), (839, 19144),

Gene: Bantam_30 Start: 27105, Stop: 28868, Start Num: 113

Candidate Starts for Bantam_30:

(46, 26973), (Start: 113 @27105 has 4 MA's), (144, 27162), (Start: 209 @27315 has 1 MA's), (247, 27390), (301, 27522), (319, 27570), (358, 27654), (429, 27816), (430, 27819), (453, 27861), (456, 27873), (458, 27879), (484, 27939), (486, 27945), (541, 28065), (554, 28098), (568, 28146), (616, 28272), (678, 28338), (742, 28524), (745, 28536), (766, 28614), (783, 28668), (844, 28860),

Gene: Barbarian_23 Start: 18698, Stop: 20293, Start Num: 147

Candidate Starts for Barbarian_23:

(Start: 94 @18614 has 79 MA's), (Start: 147 @18698 has 45 MA's), (Start: 183 @18776 has 1 MA's), (227, 18863), (233, 18878), (257, 18926), (271, 18965), (306, 19052), (310, 19064), (321, 19085), (342, 19121), (354, 19151), (356, 19157), (400, 19226), (424, 19256), (428, 19268), (429, 19271), (456, 19328), (517, 19460), (520, 19466), (547, 19532), (549, 19538), (556, 19562), (573, 19610), (584, 19634), (589, 19643), (616, 19718), (671, 19769), (678, 19784), (736, 19946), (742, 19973), (751, 20003), (780, 20108), (815, 20186), (822, 20222), (824, 20231), (833, 20264), (838, 20279),

Gene: Barco_19 Start: 16650, Stop: 18296, Start Num: 175

Candidate Starts for Barco_19:

(156, 16614), (Start: 175 @16650 has 47 MA's), (213, 16752), (253, 16830), (254, 16833), (294, 16929), (304, 16968), (345, 17049), (364, 17103), (370, 17118), (456, 17289), (466, 17319), (549, 17502), (556, 17526), (557, 17529), (571, 17577), (604, 17670), (608, 17682), (626, 17727), (661, 17742), (712, 17874), (713, 17877), (742, 17976), (747, 17994), (760, 18045), (780, 18111), (808, 18174), (813, 18186),

Gene: Barkley26_18 Start: 16652, Stop: 18406, Start Num: 97

Candidate Starts for Barkley26_18:

(32, 16439), (Start: 75 @16643 has 25 MA's), (Start: 97 @16652 has 44 MA's), (101, 16658), (Start: 105 @16664 has 8 MA's), (154, 16742), (179, 16796), (Start: 196 @16847 has 7 MA's), (210, 16877), (219, 16901), (227, 16922), (264, 17003), (279, 17042), (283, 17048), (292, 17063), (304, 17108), (359, 17228), (385, 17285), (399, 17324), (412, 17366), (418, 17372), (430, 17399), (434, 17411), (479, 17492), (515, 17537), (538, 17585), (597, 17735), (606, 17765), (612, 17783), (623, 17810), (665, 17912), (677, 17927), (693, 17975), (698, 17990), (733, 18053), (751, 18110), (760, 18149), (776, 18191), (795, 18242), (824, 18338), (843, 18398),

Gene: BarrelRoll_23 Start: 17140, Stop: 18906, Start Num: 79

Candidate Starts for BarrelRoll_23:

(Start: 79 @17140 has 139 MA's), (101, 17170), (184, 17329), (Start: 196 @17362 has 7 MA's), (210, 17392), (221, 17425), (227, 17437), (266, 17527), (288, 17569), (310, 17641), (315, 17650), (338, 17689), (356, 17734), (363, 17755), (365, 17758), (393, 17812), (399, 17830), (412, 17872), (418, 17878), (430, 17905), (515, 18043), (525, 18061), (541, 18103), (548, 18121), (558, 18151), (573, 18178), (612, 18283), (681, 18442), (694, 18478), (706, 18508), (718, 18517), (745, 18592), (759, 18643), (824, 18838), (834, 18877), (835, 18880), (843, 18898),

Gene: Barriga_27 Start: 20952, Stop: 22754, Start Num: 109

Candidate Starts for Barriga_27:

(Start: 109 @20952 has 207 MA's), (Start: 124 @20973 has 4 MA's), (Start: 146 @21015 has 1 MA's), (171, 21060), (264, 21276), (283, 21321), (289, 21330), (301, 21369), (321, 21420), (322, 21423), (413, 21618), (449, 21687), (477, 21747), (549, 21888), (551, 21891), (556, 21912), (596, 22008), (597, 22011), (599, 22017), (623, 22086), (628, 22104), (630, 22113), (639, 22143), (681, 22239), (693, 22272), (698, 22287), (745, 22428), (760, 22485), (794, 22596),

Gene: Bartholomew_19 Start: 16385, Stop: 18121, Start Num: 82

Candidate Starts for Bartholomew_19:

(Start: 71 @16361 has 2 MA's), (Start: 82 @16385 has 44 MA's), (128, 16445), (136, 16466), (138, 16469), (Start: 195 @16589 has 39 MA's), (213, 16628), (232, 16661), (244, 16685), (296, 16805), (306, 16844), (309, 16850), (351, 16934), (352, 16940), (356, 16952), (365, 16976), (379, 17003), (400, 17021), (417, 17060), (420, 17066), (430, 17090), (456, 17144), (461, 17156), (463, 17165), (490, 17225), (526, 17303), (541, 17342), (554, 17375), (573, 17441), (578, 17456), (584, 17465), (594, 17489), (605, 17519), (610, 17531), (682, 17633), (689, 17645), (691, 17648), (692, 17654), (695, 17663), (734, 17771), (755, 17855), (787, 17954), (824, 18062), (838, 18110),

Gene: Bartimeaus_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Bartimeaus_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Bask21_24 Start: 19009, Stop: 20604, Start Num: 147

Candidate Starts for Bask21_24:

(Start: 94 @18925 has 79 MA's), (Start: 147 @19009 has 45 MA's), (Start: 183 @19087 has 1 MA's), (227, 19174), (233, 19189), (257, 19237), (271, 19276), (306, 19363), (321, 19396), (342, 19432), (354, 19462), (356, 19468), (400, 19537), (424, 19567), (428, 19579), (429, 19582), (456, 19639), (517, 19771), (520, 19777), (547, 19843), (549, 19849), (556, 19873), (573, 19921), (584, 19945), (589, 19954), (616, 20029), (671, 20080), (678, 20095), (736, 20257), (742, 20284), (751, 20314), (780, 20419), (815, 20497), (822, 20533), (824, 20542), (833, 20575), (838, 20590),

Gene: BatStarr_19 Start: 17764, Stop: 19362, Start Num: 194

Candidate Starts for BatStarr_19:

(Start: 194 @17764 has 87 MA's), (310, 18022), (319, 18040), (321, 18043), (351, 18097), (381, 18172), (413, 18241), (423, 18250), (427, 18262), (451, 18313), (459, 18340), (462, 18349), (463, 18352), (518, 18385), (541, 18442), (564, 18508), (602, 18619), (610, 18643), (623, 18679), (655, 18781), (682, 18838), (716, 18928), (787, 19168), (810, 19246),

Gene: Batiatus_16 Start: 14857, Stop: 16566, Start Num: 87

Candidate Starts for Batiatus_16:

(Start: 87 @14857 has 207 MA's), (150, 14944), (Start: 175 @14989 has 47 MA's), (182, 15013), (230, 15118), (233, 15124), (242, 15142), (257, 15172), (300, 15277), (323, 15337), (338, 15358), (342, 15367), (352, 15391), (368, 15433), (420, 15517), (427, 15532), (429, 15538), (445, 15574), (448, 15577), (455, 15589), (456, 15595), (474, 15643), (480, 15655), (484, 15661), (515, 15721), (522, 15733), (538, 15769), (541, 15781), (571, 15856), (573, 15865), (581, 15883), (584, 15889), (596, 15919), (667, 16024), (671, 16033), (673, 16036), (687, 16072), (716, 16150), (744, 16249), (751, 16270), (759, 16303), (768, 16333), (776, 16363), (779, 16372), (781, 16378), (792, 16393), (793, 16396), (800, 16420), (813, 16450), (817, 16462), (822, 16492), (833, 16534),

Gene: Battleship_31 Start: 19208, Stop: 20995, Start Num: 108

Candidate Starts for Battleship_31:

(65, 19142), (Start: 90 @19184 has 8 MA's), (Start: 108 @19208 has 545 MA's), (184, 19346), (207, 19403), (233, 19445), (247, 19481), (264, 19520), (295, 19589), (301, 19613), (322, 19667), (399, 19817), (413, 19862), (430, 19892), (446, 19928), (468, 19979), (493, 20015), (522, 20063), (546, 20123), (596, 20252), (623, 20330), (698, 20531), (701, 20537), (736, 20633), (782, 20798), (815, 20897),

Gene: BaxterFox_18 Start: 17103, Stop: 18701, Start Num: 194

Candidate Starts for BaxterFox_18:

(Start: 194 @17103 has 87 MA's), (310, 17361), (319, 17379), (321, 17382), (351, 17436), (381, 17511), (413, 17580), (423, 17589), (427, 17601), (431, 17613), (451, 17652), (459, 17679), (462, 17688), (463, 17691), (518, 17724), (541, 17781), (564, 17847), (602, 17958), (623, 18018), (655, 18120), (682, 18177), (716, 18267), (787, 18507), (810, 18585),

Gene: Beakin_17 Start: 14663, Stop: 16372, Start Num: 87

Candidate Starts for Beakin_17:

(Start: 87 @14663 has 207 MA's), (150, 14750), (Start: 175 @14795 has 47 MA's), (182, 14819), (230, 14924), (233, 14930), (242, 14948), (257, 14978), (300, 15083), (323, 15143), (338, 15164), (342, 15173), (351, 15191), (352, 15197), (396, 15272), (420, 15323), (427, 15338), (429, 15344), (445, 15380), (448, 15383), (455, 15395), (456, 15401), (474, 15449), (480, 15461), (484, 15467), (515, 15527), (522, 15539), (538, 15575), (541, 15587), (571, 15662), (573, 15671), (581, 15689), (584, 15695), (596, 15725), (667, 15830), (671, 15839), (673, 15842), (687, 15878), (716, 15956), (744, 16055), (751, 16076), (759, 16109), (768, 16139), (776, 16169), (779, 16178), (781, 16184), (792, 16199), (793, 16202), (800, 16226), (813, 16256), (817, 16268), (822, 16298), (833, 16340),

Gene: BearBQ_19 Start: 17400, Stop: 19109, Start Num: 108

Candidate Starts for BearBQ_19:

(Start: 108 @17400 has 545 MA's), (118, 17412), (Start: 120 @17415 has 4 MA's), (Start: 175 @17517 has 47 MA's), (185, 17553), (211, 17619), (251, 17712), (Start: 268 @17763 has 11 MA's), (272, 17772), (281, 17790), (299, 17832), (301, 17838), (309, 17862), (310, 17868), (318, 17886), (347, 17937), (350, 17943), (359, 17973), (390, 18015), (401, 18042), (407, 18066), (430, 18117), (431, 18120), (444, 18150), (545, 18300), (605, 18462), (628, 18528), (630, 18537), (633, 18549), (636, 18558), (687, 18651), (694, 18672), (698, 18684), (701, 18690), (705, 18699), (707, 18702), (737, 18756), (745, 18786), (763, 18855), (792, 18942), (794, 18948), (812, 18999), (833, 19086), (840, 19104),

Gene: Beatrix_27 Start: 22534, Stop: 24336, Start Num: 109

Candidate Starts for Beatrix_27:

(Start: 109 @22534 has 207 MA's), (Start: 124 @22555 has 4 MA's), (Start: 146 @22597 has 1 MA's), (171, 22642), (264, 22858), (283, 22903), (289, 22912), (301, 22951), (321, 23002), (322, 23005),

(413, 23200), (449, 23269), (549, 23470), (551, 23473), (556, 23494), (596, 23590), (597, 23593), (599, 23599), (623, 23668), (628, 23686), (630, 23695), (639, 23725), (681, 23821), (693, 23854), (698, 23869), (745, 24010), (760, 24067), (794, 24178),

Gene: Beauxregard13_29 Start: 20379, Stop: 22175, Start Num: 108

Candidate Starts for Beauxregard13_29:

(Start: 108 @20379 has 545 MA's), (Start: 146 @20436 has 1 MA's), (154, 20451), (173, 20484), (179, 20505), (Start: 183 @20520 has 1 MA's), (227, 20607), (232, 20619), (233, 20622), (264, 20697), (Start: 268 @20712 has 11 MA's), (288, 20748), (373, 20955), (430, 21069), (449, 21108), (495, 21195), (549, 21309), (556, 21333), (563, 21351), (597, 21432), (623, 21507), (628, 21525), (637, 21558), (639, 21564), (653, 21603), (680, 21657), (681, 21660), (689, 21681), (713, 21738), (760, 21906), (792, 22011), (794, 22017), (833, 22152),

Gene: Beemo_30 Start: 21783, Stop: 23573, Start Num: 108

Candidate Starts for Beemo_30:

(Start: 105 @21780 has 8 MA's), (Start: 108 @21783 has 545 MA's), (232, 22017), (233, 22020), (262, 22092), (264, 22095), (Start: 268 @22110 has 11 MA's), (289, 22149), (292, 22155), (338, 22266), (373, 22353), (412, 22434), (413, 22437), (513, 22623), (540, 22686), (551, 22710), (553, 22716), (563, 22749), (597, 22830), (637, 22956), (651, 22998), (681, 23058), (693, 23091), (698, 23106), (735, 23205), (736, 23208), (738, 23220), (760, 23304), (780, 23370), (792, 23409), (794, 23415), (809, 23460), (824, 23517), (825, 23520),

Gene: Beenie_20 Start: 17703, Stop: 19283, Start Num: 194

Candidate Starts for Beenie_20:

(149, 17586), (Start: 194 @17703 has 87 MA's), (310, 17961), (321, 17982), (351, 18036), (363, 18075), (397, 18132), (405, 18153), (518, 18324), (527, 18342), (537, 18366), (543, 18387), (564, 18429), (592, 18510), (623, 18600), (635, 18645), (655, 18702), (662, 18705), (682, 18759), (716, 18849), (796, 19128), (797, 19137), (810, 19167),

Gene: BeesKnees_28 Start: 21151, Stop: 22953, Start Num: 109

Candidate Starts for BeesKnees_28:

(Start: 109 @21151 has 207 MA's), (Start: 124 @21172 has 4 MA's), (Start: 146 @21214 has 1 MA's), (171, 21259), (264, 21475), (283, 21520), (289, 21529), (301, 21568), (321, 21619), (322, 21622), (413, 21817), (449, 21886), (549, 22087), (551, 22090), (556, 22111), (596, 22207), (597, 22210), (599, 22216), (623, 22285), (628, 22303), (630, 22312), (639, 22342), (681, 22438), (693, 22471), (698, 22486), (745, 22627), (760, 22684), (794, 22795),

Gene: Beezoo_23 Start: 17164, Stop: 18930, Start Num: 79

Candidate Starts for Beezoo_23:

(Start: 79 @17164 has 139 MA's), (101, 17194), (184, 17353), (Start: 196 @17386 has 7 MA's), (210, 17416), (221, 17449), (227, 17461), (266, 17551), (288, 17593), (310, 17665), (315, 17674), (338, 17713), (356, 17758), (363, 17779), (365, 17782), (393, 17836), (399, 17854), (412, 17896), (418, 17902), (430, 17929), (515, 18067), (525, 18085), (541, 18127), (548, 18145), (558, 18175), (573, 18202), (612, 18307), (681, 18466), (694, 18502), (718, 18541), (745, 18616), (759, 18667), (824, 18862), (834, 18901), (835, 18904), (843, 18922),

Gene: Begonia_20 Start: 17128, Stop: 18774, Start Num: 175

Candidate Starts for Begonia_20:

(156, 17092), (Start: 175 @17128 has 47 MA's), (213, 17230), (253, 17308), (294, 17407), (304, 17446), (345, 17527), (364, 17581), (370, 17596), (456, 17767), (466, 17797), (549, 17980), (556, 18004), (571, 18055), (604, 18148), (608, 18160), (626, 18205), (661, 18220), (712, 18352), (713, 18355), (742, 18454), (747, 18472), (760, 18523), (780, 18589), (808, 18652), (813, 18664),

Gene: Belenaria_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for Belenaria_23:

(Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (208, 16526), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (389, 16904), (392, 16910), (395, 16925), (397, 16928), (413, 16976), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: Bella96_23 Start: 17084, Stop: 18850, Start Num: 79

Candidate Starts for Bella96_23:

(Start: 79 @17084 has 139 MA's), (101, 17114), (184, 17273), (Start: 196 @17306 has 7 MA's), (210, 17336), (221, 17369), (227, 17381), (266, 17471), (288, 17513), (310, 17585), (315, 17594), (338, 17633), (356, 17678), (365, 17702), (399, 17774), (412, 17816), (418, 17822), (430, 17849), (515, 17987), (525, 18005), (541, 18047), (548, 18065), (558, 18095), (573, 18122), (612, 18227), (641, 18317), (694, 18422), (706, 18452), (718, 18461), (745, 18536), (759, 18587), (824, 18782), (834, 18821), (835, 18824), (843, 18842),

Gene: Belladonna_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Belladonna_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: BellusTerra_27 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for BellusTerra_27:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: Belphegor_33 Start: 30018, Stop: 31643, Start Num: 123

Candidate Starts for Belphegor_33:

(Start: 84 @29961 has 1 MA's), (Start: 123 @30018 has 17 MA's), (131, 30030), (Start: 147 @30063 has 45 MA's), (Start: 175 @30114 has 47 MA's), (227, 30231), (232, 30243), (244, 30273), (265, 30318), (287, 30369), (300, 30408), (430, 30615), (443, 30645), (451, 30654), (463, 30690), (490, 30750), (515, 30798), (520, 30807), (546, 30870), (558, 30906), (561, 30915), (575, 30945), (593, 30984), (622, 31071), (623, 31074), (688, 31152), (712, 31212), (727, 31257), (747, 31338), (761, 31392), (795, 31488), (824, 31584), (833, 31617),

Gene: Bench_26 Start: 19690, Stop: 21285, Start Num: 147

Candidate Starts for Bench_26:

(Start: 94 @19606 has 79 MA's), (Start: 147 @19690 has 45 MA's), (Start: 183 @19768 has 1 MA's), (227, 19855), (233, 19870), (257, 19918), (271, 19957), (306, 20044), (321, 20077), (342, 20113), (354, 20143), (356, 20149), (400, 20218), (424, 20248), (428, 20260), (429, 20263), (456, 20320), (517, 20452), (520, 20458), (547, 20524), (549, 20530), (556, 20554), (573, 20602), (584, 20626), (589, 20635), (616, 20710), (671, 20761), (678, 20776), (736, 20938), (742, 20965), (751, 20995), (780, 21100), (815, 21178), (822, 21214), (824, 21223), (833, 21256), (838, 21271),

Gene: Benedict_24 Start: 18978, Stop: 20777, Start Num: 108

Candidate Starts for Benedict_24:

(Start: 108 @18978 has 545 MA's), (233, 19215), (264, 19290), (Start: 268 @19305 has 11 MA's), (288, 19341), (310, 19413), (318, 19428), (338, 19461), (341, 19467), (430, 19662), (441, 19692), (446, 19698), (495, 19788), (522, 19833), (549, 19902), (563, 19944), (569, 19962), (596, 20022), (597, 20025), (628, 20118), (680, 20259), (693, 20295), (791, 20610), (794, 20619), (833, 20754),

Gene: BengiVuitton_29 Start: 20620, Stop: 22392, Start Num: 108

Candidate Starts for BengiVuitton_29:

(Start: 90 @20596 has 8 MA's), (Start: 108 @20620 has 545 MA's), (173, 20719), (232, 20854), (233, 20857), (262, 20929), (264, 20932), (289, 20986), (292, 20992), (301, 21025), (318, 21070), (338, 21103), (373, 21190), (412, 21271), (413, 21274), (434, 21316), (513, 21460), (551, 21547), (592, 21652), (597, 21667), (637, 21793), (639, 21799), (669, 21847), (698, 21925), (701, 21931), (724, 21985), (735, 22024), (738, 22039), (760, 22123), (794, 22234),

Gene: Benvolio_28 Start: 20292, Stop: 22064, Start Num: 108

Candidate Starts for Benvolio_28:

(Start: 90 @20268 has 8 MA's), (Start: 108 @20292 has 545 MA's), (173, 20391), (202, 20475), (232, 20526), (233, 20529), (262, 20601), (264, 20604), (289, 20658), (301, 20697), (338, 20775), (373, 20862), (412, 20943), (413, 20946), (551, 21219), (597, 21339), (637, 21465), (639, 21471), (669, 21519), (693, 21582), (698, 21597), (701, 21603), (724, 21657), (735, 21696), (738, 21711), (760, 21795), (794, 21906),

Gene: Bern_25 Start: 17112, Stop: 18878, Start Num: 79

Candidate Starts for Bern_25:

(Start: 79 @17112 has 139 MA's), (101, 17142), (184, 17301), (Start: 196 @17334 has 7 MA's), (210, 17364), (221, 17397), (227, 17409), (266, 17499), (288, 17541), (310, 17613), (315, 17622), (338, 17661), (356, 17706), (359, 17715), (365, 17730), (399, 17802), (412, 17844), (418, 17850), (430, 17877), (515, 18015), (525, 18033), (541, 18075), (548, 18093), (558, 18123), (573, 18150), (612, 18255), (694, 18450), (706, 18480), (718, 18489), (745, 18564), (759, 18615), (795, 18714), (815, 18765), (824, 18810), (834, 18849), (835, 18852), (843, 18870),

Gene: Bethlehem_27 Start: 22379, Stop: 24181, Start Num: 109

Candidate Starts for Bethlehem_27:

(Start: 109 @22379 has 207 MA's), (Start: 124 @22400 has 4 MA's), (Start: 146 @22442 has 1 MA's), (171, 22487), (264, 22703), (283, 22748), (289, 22757), (321, 22847), (322, 22850), (365, 22943), (413, 23045), (449, 23114), (545, 23303), (549, 23315), (551, 23318), (556, 23339), (596, 23435), (597, 23438), (599, 23444), (623, 23513), (628, 23531), (630, 23540), (639, 23570), (681, 23666), (693, 23699), (698, 23714), (745, 23855), (760, 23912), (794, 24023),

Gene: BetterKatz_22 Start: 17603, Stop: 19309, Start Num: 126

Candidate Starts for BetterKatz_22:

(Start: 69 @17528 has 2 MA's), (Start: 126 @17603 has 16 MA's), (Start: 175 @17696 has 47 MA's), (179, 17711), (181, 17717), (Start: 209 @17792 has 1 MA's), (235, 17864), (286, 17975), (301, 18020), (306, 18038), (310, 18050), (395, 18221), (401, 18230), (403, 18236), (412, 18269), (442, 18332), (466, 18383), (500, 18407), (513, 18431), (546, 18506), (558, 18545), (610, 18677), (647, 18791), (693, 18878), (744, 18992), (747, 19001), (780, 19106), (814, 19193), (843, 19301),

Gene: Bexan_26 Start: 22101, Stop: 23903, Start Num: 109

Candidate Starts for Bexan_26:

(Start: 109 @22101 has 207 MA's), (Start: 124 @22122 has 4 MA's), (Start: 146 @22164 has 1 MA's), (171, 22209), (264, 22425), (283, 22470), (289, 22479), (301, 22518), (321, 22569), (322, 22572),

(413, 22767), (449, 22836), (549, 23037), (551, 23040), (556, 23061), (596, 23157), (597, 23160), (599, 23166), (623, 23235), (628, 23253), (630, 23262), (639, 23292), (681, 23388), (693, 23421), (698, 23436), (713, 23466), (745, 23577), (760, 23634), (794, 23745),

Gene: BiPauneto_44 Start: 29578, Stop: 31182, Start Num: 198

Candidate Starts for BiPauneto_44:

(Start: 194 @29566 has 87 MA's), (Start: 197 @29575 has 1 MA's), (Start: 198 @29578 has 1 MA's), (Start: 209 @29602 has 1 MA's), (243, 29680), (319, 29863), (351, 29920), (353, 29932), (359, 29947), (401, 30013), (405, 30028), (419, 30052), (457, 30139), (460, 30145), (469, 30169), (499, 30229), (510, 30259), (521, 30280), (565, 30385), (570, 30406), (604, 30493), (622, 30541), (669, 30667), (683, 30703), (744, 30868), (750, 30886), (759, 30922), (820, 31096), (822, 31108), (838, 31165),

Gene: Bialota_19 Start: 17776, Stop: 19374, Start Num: 194

Candidate Starts for Bialota_19:

(Start: 194 @17776 has 87 MA's), (307, 18025), (310, 18034), (319, 18052), (321, 18055), (351, 18109), (381, 18184), (413, 18253), (423, 18262), (427, 18274), (431, 18286), (451, 18325), (459, 18352), (462, 18361), (463, 18364), (518, 18397), (541, 18454), (564, 18520), (602, 18631), (623, 18691), (655, 18793), (682, 18850), (716, 18940), (787, 19180), (810, 19258),

Gene: BiancaTri92_30 Start: 21973, Stop: 23745, Start Num: 108

Candidate Starts for BiancaTri92_30:

(Start: 90 @21949 has 8 MA's), (Start: 108 @21973 has 545 MA's), (Start: 183 @22108 has 1 MA's), (189, 22126), (232, 22207), (233, 22210), (262, 22282), (264, 22285), (289, 22339), (318, 22423), (338, 22456), (352, 22489), (373, 22543), (406, 22603), (412, 22624), (413, 22627), (513, 22813), (551, 22900), (563, 22939), (597, 23020), (637, 23146), (639, 23152), (647, 23176), (669, 23200), (693, 23263), (698, 23278), (701, 23284), (724, 23338), (735, 23377), (738, 23392), (794, 23587),

Gene: Big3_27 Start: 21732, Stop: 23534, Start Num: 109

Candidate Starts for Big3_27:

(Start: 109 @21732 has 207 MA's), (Start: 124 @21753 has 4 MA's), (Start: 146 @21795 has 1 MA's), (171, 21840), (264, 22056), (283, 22101), (289, 22110), (301, 22149), (321, 22200), (322, 22203), (413, 22398), (449, 22467), (549, 22668), (551, 22671), (556, 22692), (596, 22788), (597, 22791), (599, 22797), (623, 22866), (628, 22884), (630, 22893), (639, 22923), (681, 23019), (693, 23052), (698, 23067), (745, 23208), (760, 23265), (794, 23376),

Gene: BigBubba_25 Start: 19509, Stop: 21188, Start Num: 94

Candidate Starts for BigBubba_25:

(Start: 94 @19509 has 79 MA's), (Start: 147 @19593 has 45 MA's), (Start: 183 @19671 has 1 MA's), (227, 19758), (233, 19773), (257, 19821), (271, 19860), (306, 19947), (321, 19980), (342, 20016), (354, 20046), (356, 20052), (400, 20121), (424, 20151), (428, 20163), (429, 20166), (456, 20223), (517, 20355), (520, 20361), (547, 20427), (549, 20433), (556, 20457), (573, 20505), (584, 20529), (589, 20538), (616, 20613), (671, 20664), (678, 20679), (736, 20841), (742, 20868), (751, 20898), (780, 21003), (815, 21081), (822, 21117), (824, 21126), (833, 21159), (838, 21174),

Gene: BigMau_29 Start: 21333, Stop: 23135, Start Num: 109

Candidate Starts for BigMau_29:

(Start: 109 @21333 has 207 MA's), (Start: 124 @21354 has 4 MA's), (Start: 146 @21396 has 1 MA's), (171, 21441), (264, 21657), (283, 21702), (289, 21711), (301, 21750), (321, 21801), (322, 21804), (413, 21999), (449, 22068), (549, 22269), (551, 22272), (556, 22293), (596, 22389), (597, 22392), (599, 22398), (623, 22467), (628, 22485), (630, 22494), (639, 22524), (681, 22620), (693, 22653), (698, 22668), (745, 22809), (760, 22866), (794, 22977),

Gene: BigNuz_18 Start: 16129, Stop: 17865, Start Num: 82

Candidate Starts for BigNuz_18:

(Start: 82 @16129 has 44 MA's), (138, 16213), (193, 16327), (Start: 195 @16333 has 39 MA's), (203, 16354), (213, 16372), (232, 16405), (244, 16429), (306, 16588), (309, 16594), (360, 16708), (400, 16765), (417, 16804), (420, 16810), (430, 16834), (456, 16888), (461, 16900), (463, 16909), (490, 16969), (509, 17014), (515, 17026), (526, 17047), (541, 17086), (554, 17119), (556, 17131), (573, 17185), (584, 17209), (594, 17233), (605, 17263), (610, 17275), (682, 17377), (689, 17389), (692, 17398), (695, 17407), (734, 17515), (755, 17599), (787, 17698), (813, 17755), (838, 17854),

Gene: BigPaolini_28 Start: 21730, Stop: 23532, Start Num: 109

Candidate Starts for BigPaolini_28:

(Start: 109 @21730 has 207 MA's), (Start: 124 @21751 has 4 MA's), (Start: 146 @21793 has 1 MA's), (171, 21838), (264, 22054), (283, 22099), (289, 22108), (301, 22147), (321, 22198), (322, 22201), (413, 22396), (449, 22465), (549, 22666), (551, 22669), (556, 22690), (596, 22786), (597, 22789), (599, 22795), (623, 22864), (628, 22882), (630, 22891), (639, 22921), (681, 23017), (693, 23050), (698, 23065), (745, 23206), (760, 23263), (794, 23374), (840, 23527),

Gene: BigPhil_17 Start: 14635, Stop: 16344, Start Num: 87

Candidate Starts for BigPhil_17:

(Start: 87 @14635 has 207 MA's), (150, 14722), (Start: 175 @14767 has 47 MA's), (182, 14791), (230, 14896), (233, 14902), (242, 14920), (257, 14950), (300, 15055), (323, 15115), (338, 15136), (342, 15145), (352, 15169), (396, 15244), (398, 15247), (420, 15295), (427, 15310), (429, 15316), (445, 15352), (448, 15355), (455, 15367), (456, 15373), (474, 15421), (480, 15433), (484, 15439), (515, 15499), (522, 15511), (538, 15547), (541, 15559), (571, 15634), (573, 15643), (581, 15661), (584, 15667), (596, 15697), (667, 15802), (671, 15811), (673, 15814), (687, 15850), (716, 15928), (744, 16027), (751, 16048), (759, 16081), (768, 16111), (776, 16141), (779, 16150), (781, 16156), (792, 16171), (793, 16174), (800, 16198), (813, 16228), (817, 16240), (822, 16270), (833, 16312),

Gene: Bigfoot_26 Start: 20939, Stop: 22741, Start Num: 109

Candidate Starts for Bigfoot_26:

(Start: 109 @20939 has 207 MA's), (Start: 124 @20960 has 4 MA's), (Start: 146 @21002 has 1 MA's), (171, 21047), (264, 21263), (283, 21308), (289, 21317), (321, 21407), (322, 21410), (365, 21503), (413, 21605), (449, 21674), (545, 21863), (549, 21875), (551, 21878), (556, 21899), (596, 21995), (597, 21998), (599, 22004), (623, 22073), (628, 22091), (630, 22100), (639, 22130), (681, 22226), (693, 22259), (698, 22274), (713, 22304), (745, 22415), (760, 22472), (794, 22583),

Gene: Biglebops_19 Start: 16697, Stop: 18463, Start Num: 79

Candidate Starts for Biglebops_19:

(Start: 79 @16697 has 139 MA's), (Start: 81 @16703 has 15 MA's), (101, 16727), (Start: 175 @16853 has 47 MA's), (179, 16868), (184, 16886), (210, 16949), (266, 17084), (Start: 268 @17090 has 11 MA's), (310, 17198), (315, 17207), (363, 17312), (395, 17381), (399, 17387), (410, 17423), (418, 17435), (447, 17498), (515, 17600), (525, 17618), (541, 17660), (542, 17663), (586, 17768), (612, 17840), (647, 17948), (649, 17954), (681, 17999), (701, 18053), (718, 18074), (745, 18149), (759, 18200), (795, 18299), (802, 18314), (815, 18350), (824, 18395), (834, 18434), (835, 18437), (843, 18455),

Gene: BilboSwaggins_24 Start: 19830, Stop: 21425, Start Num: 147

Candidate Starts for BilboSwaggins_24:

(Start: 94 @19746 has 79 MA's), (Start: 147 @19830 has 45 MA's), (Start: 183 @19908 has 1 MA's), (227, 19995), (233, 20010), (257, 20058), (271, 20097), (306, 20184), (321, 20217), (342, 20253), (354, 20283), (356, 20289), (400, 20358), (424, 20388), (428, 20400), (429, 20403), (456, 20460), (517, 20592), (520, 20598), (547, 20664), (549, 20670), (556, 20694), (573, 20742), (584, 20766), (589, 20775), (616, 20850), (671, 20901), (678, 20916), (736, 21078), (742, 21105), (751, 21135), (780, 21240), (815, 21318), (822, 21354), (824, 21363), (833, 21396), (838, 21411),

Gene: BillKnuckles_28 Start: 21817, Stop: 23619, Start Num: 109

Candidate Starts for BillKnuckles_28:

(Start: 109 @21817 has 207 MA's), (Start: 124 @21838 has 4 MA's), (Start: 146 @21880 has 1 MA's), (171, 21925), (264, 22141), (283, 22186), (289, 22195), (301, 22234), (321, 22285), (341, 22318), (413, 22483), (449, 22552), (549, 22753), (551, 22756), (556, 22777), (596, 22873), (597, 22876), (599, 22882), (623, 22951), (628, 22969), (630, 22978), (639, 23008), (681, 23104), (693, 23137), (698, 23152), (745, 23293), (760, 23350), (794, 23461),

Gene: Bipolar_16 Start: 14807, Stop: 16516, Start Num: 87

Candidate Starts for Bipolar_16:

(Start: 87 @14807 has 207 MA's), (150, 14894), (Start: 175 @14939 has 47 MA's), (182, 14963), (230, 15068), (233, 15074), (242, 15092), (257, 15122), (300, 15227), (323, 15287), (338, 15308), (342, 15317), (352, 15341), (396, 15416), (398, 15419), (420, 15467), (427, 15482), (429, 15488), (445, 15524), (448, 15527), (455, 15539), (456, 15545), (474, 15593), (480, 15605), (484, 15611), (515, 15671), (522, 15683), (538, 15719), (541, 15731), (542, 15734), (571, 15806), (573, 15815), (581, 15833), (584, 15839), (596, 15869), (667, 15974), (671, 15983), (673, 15986), (687, 16022), (716, 16100), (744, 16199), (751, 16220), (759, 16253), (776, 16313), (779, 16322), (781, 16328), (792, 16343), (793, 16346), (800, 16370), (813, 16400), (817, 16412), (822, 16442), (833, 16484),

Gene: Bipper_24 Start: 19740, Stop: 21590, Start Num: 51

Candidate Starts for Bipper_24:

(Start: 51 @19740 has 4 MA's), (63, 19785), (135, 19884), (154, 19920), (171, 19950), (179, 19974), (Start: 196 @20025 has 7 MA's), (Start: 197 @20028 has 1 MA's), (239, 20127), (240, 20130), (299, 20268), (305, 20289), (318, 20319), (321, 20325), (343, 20364), (369, 20430), (394, 20472), (399, 20487), (412, 20529), (431, 20565), (434, 20574), (442, 20592), (477, 20652), (480, 20658), (482, 20661), (501, 20691), (513, 20724), (515, 20727), (529, 20754), (554, 20820), (645, 21069), (727, 21216), (749, 21288), (760, 21333), (771, 21357), (772, 21363), (813, 21471), (834, 21561), (835, 21564),

Gene: Bircsak_27 Start: 21589, Stop: 23391, Start Num: 109

Candidate Starts for Bircsak_27:

(Start: 109 @21589 has 207 MA's), (Start: 124 @21610 has 4 MA's), (Start: 146 @21652 has 1 MA's), (171, 21697), (264, 21913), (283, 21958), (289, 21967), (321, 22057), (322, 22060), (338, 22084), (413, 22255), (449, 22324), (549, 22525), (551, 22528), (556, 22549), (596, 22645), (597, 22648), (599, 22654), (623, 22723), (628, 22741), (630, 22750), (639, 22780), (681, 22876), (693, 22909), (698, 22924), (745, 23065), (760, 23122), (794, 23233),

Gene: Birdsong_19 Start: 16293, Stop: 18002, Start Num: 108

Candidate Starts for Birdsong_19:

(Start: 108 @16293 has 545 MA's), (118, 16305), (Start: 120 @16308 has 4 MA's), (Start: 175 @16410 has 47 MA's), (185, 16446), (211, 16512), (Start: 268 @16656 has 11 MA's), (272, 16665), (281, 16683), (299, 16725), (301, 16731), (309, 16755), (318, 16779), (347, 16830), (350, 16836), (359, 16866), (390, 16908), (397, 16929), (401, 16935), (407, 16959), (430, 17010), (431, 17013), (444, 17043), (545, 17193), (556, 17229), (605, 17355), (628, 17421), (630, 17430), (633, 17442), (636, 17451), (687, 17544), (694, 17565), (698, 17577), (701, 17583), (703, 17589), (707, 17595), (737, 17649), (745, 17679), (763, 17748), (792, 17835), (794, 17841), (812, 17892), (833, 17979), (840, 17997),

Gene: Bjaner7_17 Start: 14751, Stop: 16460, Start Num: 195

Candidate Starts for Bjaner7_17:

(140, 14616), (Start: 195 @14751 has 39 MA's), (269, 14940), (270, 14943), (301, 15018), (328, 15072), (359, 15141), (363, 15153), (405, 15231), (406, 15234), (462, 15366), (487, 15420), (503,

15471), (516, 15501), (541, 15561), (546, 15573), (564, 15609), (604, 15726), (610, 15744), (625, 15783), (655, 15879), (701, 15987), (785, 16263), (787, 16266), (797, 16314), (810, 16344),

Gene: Blackmoor_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Blackmoor_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: BlessJoy_31 Start: 19971, Stop: 21743, Start Num: 108

Candidate Starts for BlessJoy_31:

(65, 19905), (Start: 90 @19947 has 8 MA's), (Start: 108 @19971 has 545 MA's), (233, 20208), (262, 20280), (264, 20283), (Start: 268 @20298 has 11 MA's), (289, 20337), (292, 20343), (338, 20454), (341, 20460), (356, 20499), (373, 20541), (399, 20580), (412, 20622), (413, 20625), (495, 20781), (557, 20922), (563, 20937), (639, 21150), (689, 21249), (698, 21276), (720, 21327), (724, 21336), (735, 21375), (738, 21390), (760, 21474), (792, 21579), (794, 21585), (833, 21720),

Gene: Blessica_57 Start: 33788, Stop: 35524, Start Num: 74

Candidate Starts for Blessica_57:

(Start: 69 @33779 has 2 MA's), (Start: 74 @33788 has 26 MA's), (134, 33878), (187, 33995), (203, 34031), (214, 34052), (230, 34079), (233, 34085), (249, 34115), (261, 34139), (281, 34190), (342, 34328), (344, 34334), (363, 34385), (365, 34388), (374, 34406), (420, 34457), (429, 34478), (430, 34481), (455, 34529), (456, 34535), (474, 34583), (477, 34589), (480, 34595), (504, 34655), (515, 34679), (517, 34682), (538, 34727), (542, 34742), (546, 34751), (549, 34760), (564, 34805), (573, 34823), (589, 34856), (673, 34994), (680, 35015), (706, 35081), (717, 35111), (734, 35165), (744, 35207), (751, 35228), (755, 35249), (759, 35261), (765, 35282), (781, 35336), (815, 35414), (822, 35450), (827, 35471), (834, 35498),

Gene: Blexus_16 Start: 14994, Stop: 16703, Start Num: 87

Candidate Starts for Blexus_16:

(Start: 87 @14994 has 207 MA's), (150, 15081), (Start: 175 @15126 has 47 MA's), (182, 15150), (203, 15207), (230, 15255), (233, 15261), (242, 15279), (257, 15309), (300, 15414), (323, 15474), (338, 15495), (342, 15504), (352, 15528), (420, 15654), (427, 15669), (429, 15675), (445, 15711), (448, 15714), (455, 15726), (456, 15732), (474, 15780), (480, 15792), (484, 15798), (515, 15858), (522, 15870), (538, 15906), (541, 15918), (571, 15993), (573, 16002), (581, 16020), (584, 16026), (596, 16056), (667, 16161), (673, 16173), (687, 16209), (716, 16287), (744, 16386), (751, 16407), (759, 16440), (768, 16470), (776, 16500), (779, 16509), (781, 16515), (792, 16530), (793, 16533), (798, 16554), (800, 16557), (817, 16599), (822, 16629), (833, 16671),

Gene: BlingBling_19 Start: 16650, Stop: 18296, Start Num: 175

Candidate Starts for BlingBling_19:

(156, 16614), (Start: 175 @16650 has 47 MA's), (213, 16752), (253, 16830), (254, 16833), (294, 16929), (304, 16968), (345, 17049), (364, 17103), (370, 17118), (456, 17289), (466, 17319), (549, 17502), (556, 17526), (557, 17529), (571, 17577), (604, 17670), (608, 17682), (626, 17727), (661, 17742), (712, 17874), (713, 17877), (742, 17976), (747, 17994), (760, 18045), (780, 18111), (808, 18174), (813, 18186),

Gene: Blinn1_31 Start: 20042, Stop: 21814, Start Num: 108

Candidate Starts for Blinn1_31:

(65, 19976), (Start: 90 @20018 has 8 MA's), (Start: 108 @20042 has 545 MA's), (184, 20180), (208, 20240), (232, 20276), (233, 20279), (262, 20351), (264, 20354), (289, 20408), (292, 20414), (306, 20465), (338, 20525), (341, 20531), (356, 20570), (373, 20612), (399, 20651), (412, 20693), (413, 20696), (441, 20756), (557, 20993), (563, 21008), (597, 21089), (627, 21176), (639, 21221), (698, 21347), (724, 21407), (735, 21446), (736, 21449), (738, 21461), (760, 21545), (792, 21650), (794, 21656), (833, 21791),

Gene: Blino_19 Start: 16618, Stop: 18264, Start Num: 175

Candidate Starts for Blino_19:

(156, 16582), (Start: 175 @16618 has 47 MA's), (213, 16720), (253, 16798), (254, 16801), (294, 16897), (304, 16936), (345, 17017), (364, 17071), (370, 17086), (456, 17257), (466, 17287), (549, 17470), (556, 17494), (571, 17545), (604, 17638), (608, 17650), (626, 17695), (661, 17710), (712, 17842), (713, 17845), (742, 17944), (747, 17962), (760, 18013), (778, 18073), (780, 18079), (808, 18142), (813, 18154),

Gene: Blizzard_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Blizzard_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: BluSpix_27 Start: 21113, Stop: 22915, Start Num: 109

Candidate Starts for BluSpix_27:

(Start: 109 @21113 has 207 MA's), (Start: 124 @21134 has 4 MA's), (Start: 146 @21176 has 1 MA's), (171, 21221), (264, 21437), (283, 21482), (289, 21491), (321, 21581), (322, 21584), (365, 21677), (413, 21779), (449, 21848), (549, 22049), (551, 22052), (556, 22073), (596, 22169), (597, 22172), (599, 22178), (623, 22247), (628, 22265), (630, 22274), (639, 22304), (681, 22400), (693, 22433), (698, 22448), (745, 22589), (760, 22646), (794, 22757),

Gene: Blue_27 Start: 21585, Stop: 23387, Start Num: 109

Candidate Starts for Blue_27:

(Start: 109 @21585 has 207 MA's), (Start: 124 @21606 has 4 MA's), (Start: 146 @21648 has 1 MA's), (171, 21693), (264, 21909), (283, 21954), (289, 21963), (321, 22053), (322, 22056), (365, 22149), (413, 22251), (449, 22320), (549, 22521), (551, 22524), (556, 22545), (596, 22641), (597, 22644), (599, 22650), (623, 22719), (628, 22737), (630, 22746), (639, 22776), (681, 22872), (693, 22905), (698, 22920), (745, 23061), (760, 23118), (794, 23229),

Gene: Blue7_31 Start: 19963, Stop: 21735, Start Num: 108

Candidate Starts for Blue7_31:

(65, 19897), (Start: 90 @19939 has 8 MA's), (Start: 108 @19963 has 545 MA's), (233, 20200), (262, 20272), (264, 20275), (Start: 268 @20290 has 11 MA's), (289, 20329), (292, 20335), (338, 20446), (341, 20452), (356, 20491), (373, 20533), (399, 20572), (412, 20614), (413, 20617), (495, 20773), (557, 20914), (563, 20929), (639, 21142), (689, 21241), (698, 21268), (720, 21319), (724, 21328), (735, 21367), (738, 21382), (760, 21466), (792, 21571), (794, 21577), (833, 21712),

Gene: BlueBird_28 Start: 19904, Stop: 21700, Start Num: 108

Candidate Starts for BlueBird_28:

(Start: 108 @19904 has 545 MA's), (Start: 146 @19961 has 1 MA's), (179, 20030), (227, 20132), (232, 20144), (233, 20147), (264, 20222), (Start: 268 @20237 has 11 MA's), (289, 20276), (347, 20411), (373, 20480), (430, 20594), (495, 20720), (549, 20834), (556, 20858), (563, 20876), (597, 20957),

(623, 21032), (628, 21050), (630, 21059), (637, 21083), (639, 21089), (645, 21104), (662, 21137), (680, 21182), (681, 21185), (689, 21206), (693, 21218), (695, 21224), (719, 21281), (760, 21431), (768, 21455), (792, 21536), (794, 21542), (833, 21677),

Gene: BlueCrab_16 Start: 14976, Stop: 16685, Start Num: 87

Candidate Starts for BlueCrab_16:

(Start: 87 @14976 has 207 MA's), (150, 15063), (Start: 175 @15108 has 47 MA's), (182, 15132), (230, 15237), (233, 15243), (242, 15261), (257, 15291), (300, 15396), (323, 15456), (338, 15477), (342, 15486), (352, 15510), (420, 15636), (427, 15651), (429, 15657), (445, 15693), (448, 15696), (455, 15708), (456, 15714), (474, 15762), (480, 15774), (484, 15780), (515, 15840), (522, 15852), (538, 15888), (541, 15900), (571, 15975), (573, 15984), (581, 16002), (584, 16008), (596, 16038), (667, 16143), (671, 16152), (673, 16155), (687, 16191), (716, 16269), (744, 16368), (751, 16389), (759, 16422), (768, 16452), (776, 16482), (779, 16491), (781, 16497), (792, 16512), (793, 16515), (798, 16536), (800, 16539), (817, 16581), (822, 16611), (833, 16653),

Gene: BlueNGold_100 Start: 60020, Stop: 61648, Start Num: 116

Candidate Starts for BlueNGold_100:

(Start: 116 @60020 has 4 MA's), (127, 60035), (131, 60038), (144, 60065), (Start: 175 @60122 has 47 MA's), (185, 60158), (199, 60191), (214, 60221), (215, 60224), (251, 60293), (255, 60299), (318, 60464), (342, 60506), (347, 60515), (351, 60524), (353, 60536), (443, 60656), (515, 60809), (541, 60869), (599, 61016), (605, 61037), (610, 61052), (676, 61130), (678, 61136), (722, 61253), (727, 61268), (742, 61325), (751, 61355), (759, 61388), (802, 61508), (838, 61637),

Gene: Blueberry_21 Start: 16962, Stop: 18611, Start Num: 175

Candidate Starts for Blueberry_21:

(156, 16926), (Start: 175 @16962 has 47 MA's), (178, 16971), (213, 17067), (253, 17145), (280, 17217), (294, 17244), (304, 17283), (345, 17364), (364, 17418), (456, 17604), (466, 17634), (514, 17733), (549, 17817), (556, 17841), (571, 17892), (604, 17985), (608, 17997), (626, 18042), (661, 18057), (712, 18189), (713, 18192), (742, 18291), (747, 18309), (760, 18360), (778, 18420), (780, 18426), (813, 18501),

Gene: Bluefalcon_23 Start: 19814, Stop: 21613, Start Num: 108

Candidate Starts for Bluefalcon_23:

(Start: 108 @19814 has 545 MA's), (184, 19952), (233, 20051), (264, 20126), (288, 20177), (310, 20249), (318, 20264), (338, 20297), (341, 20303), (389, 20396), (430, 20498), (441, 20528), (446, 20534), (495, 20624), (513, 20654), (545, 20726), (549, 20738), (551, 20741), (563, 20780), (569, 20798), (596, 20858), (597, 20861), (613, 20912), (628, 20954), (680, 21095), (695, 21137), (794, 21455), (833, 21590),

Gene: Bob3_26 Start: 20673, Stop: 22475, Start Num: 109

Candidate Starts for Bob3_26:

(Start: 109 @20673 has 207 MA's), (Start: 124 @20694 has 4 MA's), (Start: 146 @20736 has 1 MA's), (171, 20781), (264, 20997), (283, 21042), (289, 21051), (301, 21090), (321, 21141), (322, 21144), (413, 21339), (449, 21408), (549, 21609), (551, 21612), (556, 21633), (596, 21729), (597, 21732), (599, 21738), (623, 21807), (628, 21825), (630, 21834), (639, 21864), (681, 21960), (693, 21993), (698, 22008), (745, 22149), (760, 22206), (794, 22317),

Gene: BobSwaget_31 Start: 21794, Stop: 23590, Start Num: 90

Candidate Starts for BobSwaget_31:

(Start: 90 @21794 has 8 MA's), (Start: 108 @21818 has 545 MA's), (202, 22001), (232, 22052), (233, 22055), (262, 22127), (264, 22130), (289, 22184), (301, 22223), (338, 22301), (373, 22388), (412, 22469), (413, 22472), (434, 22514), (513, 22658), (540, 22721), (551, 22745), (563, 22784), (597, 22865), (639, 22997), (693, 23108), (698, 23123), (701, 23129), (724, 23183), (735, 23222), (738,

23237), (747, 23270), (760, 23321), (784, 23399), (792, 23426), (794, 23432), (813, 23486),

Gene: BobaPhett_16 Start: 14804, Stop: 16513, Start Num: 87

Candidate Starts for BobaPhett_16:

(Start: 87 @14804 has 207 MA's), (150, 14891), (Start: 175 @14936 has 47 MA's), (182, 14960), (203, 15017), (230, 15065), (233, 15071), (242, 15089), (257, 15119), (300, 15224), (320, 15278), (323, 15284), (329, 15293), (342, 15314), (352, 15338), (365, 15374), (368, 15380), (396, 15413), (398, 15416), (402, 15425), (408, 15440), (410, 15446), (420, 15464), (427, 15479), (429, 15485), (435, 15503), (436, 15506), (445, 15521), (455, 15536), (456, 15542), (474, 15590), (480, 15602), (484, 15608), (515, 15668), (522, 15680), (538, 15716), (541, 15728), (571, 15803), (573, 15812), (581, 15830), (584, 15836), (596, 15866), (667, 15971), (673, 15983), (687, 16019), (716, 16097), (751, 16217), (759, 16250), (768, 16280), (771, 16292), (776, 16310), (778, 16316), (779, 16319), (781, 16325), (792, 16340), (793, 16343), (798, 16364), (800, 16367), (817, 16409), (822, 16439), (833, 16481), (834, 16487),

Gene: Bobby_38 Start: 28176, Stop: 30174, Start Num: 89

Candidate Starts for Bobby_38:

(Start: 89 @28176 has 30 MA's), (Start: 147 @28266 has 45 MA's), (172, 28314), (182, 28344), (193, 28371), (244, 28473), (259, 28503), (275, 28554), (298, 28602), (309, 28638), (310, 28644), (321, 28665), (356, 28737), (359, 28746), (368, 28767), (429, 28875), (430, 28878), (435, 28893), (456, 28932), (474, 28980), (480, 28992), (484, 28998), (503, 29046), (507, 29055), (517, 29076), (526, 29094), (545, 29142), (581, 29244), (610, 29316), (627, 29361), (629, 29373), (656, 29508), (657, 29514), (658, 29538), (659, 29610), (665, 29637), (752, 29886),

Gene: Bobi_18 Start: 15396, Stop: 17105, Start Num: 87

Candidate Starts for Bobi_18:

(Start: 87 @15396 has 207 MA's), (150, 15483), (Start: 175 @15528 has 47 MA's), (182, 15552), (230, 15657), (233, 15663), (242, 15681), (257, 15711), (300, 15816), (323, 15876), (338, 15897), (342, 15906), (352, 15930), (420, 16056), (427, 16071), (429, 16077), (445, 16113), (448, 16116), (455, 16128), (456, 16134), (474, 16182), (480, 16194), (484, 16200), (515, 16260), (522, 16272), (538, 16308), (541, 16320), (571, 16395), (573, 16404), (581, 16422), (584, 16428), (596, 16458), (667, 16563), (671, 16572), (673, 16575), (687, 16611), (716, 16689), (744, 16788), (751, 16809), (759, 16842), (768, 16872), (776, 16902), (779, 16911), (781, 16917), (792, 16932), (793, 16935), (800, 16959), (813, 16989), (817, 17001), (822, 17031), (833, 17073),

Gene: Bock_22 Start: 17353, Stop: 19059, Start Num: 126

Candidate Starts for Bock_22:

(Start: 69 @17278 has 2 MA's), (Start: 126 @17353 has 16 MA's), (Start: 175 @17446 has 47 MA's), (179, 17461), (181, 17467), (Start: 209 @17542 has 1 MA's), (235, 17614), (286, 17725), (301, 17770), (306, 17788), (310, 17800), (368, 17920), (395, 17971), (401, 17980), (403, 17986), (412, 18019), (442, 18082), (466, 18133), (500, 18157), (513, 18181), (546, 18256), (558, 18295), (610, 18427), (647, 18541), (693, 18628), (744, 18742), (747, 18751), (780, 18856), (814, 18943), (843, 19051),

Gene: BodEinwohner17_16 Start: 14976, Stop: 16685, Start Num: 87

Candidate Starts for BodEinwohner17_16:

(Start: 87 @14976 has 207 MA's), (150, 15063), (Start: 175 @15108 has 47 MA's), (182, 15132), (230, 15237), (233, 15243), (242, 15261), (257, 15291), (300, 15396), (323, 15456), (338, 15477), (342, 15486), (352, 15510), (420, 15636), (427, 15651), (429, 15657), (445, 15693), (448, 15696), (455, 15708), (456, 15714), (474, 15762), (480, 15774), (484, 15780), (515, 15840), (522, 15852), (538, 15888), (541, 15900), (571, 15975), (573, 15984), (581, 16002), (584, 16008), (596, 16038), (667, 16143), (673, 16155), (687, 16191), (716, 16269), (744, 16368), (751, 16389), (759, 16422), (768, 16452), (776, 16482), (779, 16491), (781, 16497), (792, 16512), (793, 16515), (798, 16536), (800, 16539), (817, 16581), (822, 16611), (833, 16653),

Gene: Bogie_18 Start: 16084, Stop: 17844, Start Num: 71

Candidate Starts for Bogie_18:

(Start: 71 @16084 has 2 MA's), (Start: 82 @16108 has 44 MA's), (128, 16168), (136, 16189), (138, 16192), (Start: 195 @16312 has 39 MA's), (213, 16351), (232, 16384), (244, 16408), (296, 16528), (306, 16567), (309, 16573), (351, 16657), (352, 16663), (356, 16675), (365, 16699), (379, 16726), (400, 16744), (417, 16783), (420, 16789), (430, 16813), (456, 16867), (461, 16879), (463, 16888), (490, 16948), (526, 17026), (541, 17065), (554, 17098), (573, 17164), (578, 17179), (584, 17188), (594, 17212), (605, 17242), (610, 17254), (682, 17356), (689, 17368), (691, 17371), (692, 17377), (695, 17386), (734, 17494), (755, 17578), (787, 17677), (824, 17785), (838, 17833),

Gene: BogosyJay_29 Start: 21309, Stop: 23099, Start Num: 108

Candidate Starts for BogosyJay_29:

(Start: 90 @21285 has 8 MA's), (Start: 108 @21309 has 545 MA's), (232, 21543), (233, 21546), (262, 21618), (264, 21621), (Start: 268 @21636 has 11 MA's), (289, 21675), (292, 21681), (318, 21759), (338, 21792), (373, 21879), (412, 21960), (413, 21963), (472, 22089), (540, 22212), (546, 22224), (551, 22236), (553, 22242), (563, 22275), (597, 22356), (637, 22482), (662, 22536), (664, 22542), (681, 22584), (683, 22593), (693, 22617), (698, 22632), (710, 22656), (724, 22692), (735, 22731), (738, 22746), (760, 22830), (792, 22935), (794, 22941), (809, 22986), (824, 23043),

Gene: Boiiii_23 Start: 17190, Stop: 18956, Start Num: 79

Candidate Starts for Boiiii_23:

(Start: 79 @17190 has 139 MA's), (101, 17220), (184, 17379), (Start: 196 @17412 has 7 MA's), (210, 17442), (221, 17475), (227, 17487), (266, 17577), (288, 17619), (310, 17691), (315, 17700), (338, 17739), (356, 17784), (363, 17805), (365, 17808), (393, 17862), (399, 17880), (412, 17922), (418, 17928), (430, 17955), (515, 18093), (525, 18111), (541, 18153), (548, 18171), (558, 18201), (573, 18228), (612, 18333), (681, 18492), (694, 18528), (706, 18558), (718, 18567), (745, 18642), (759, 18693), (824, 18888), (834, 18927), (835, 18930), (843, 18948),

Gene: Boilgate_20 Start: 17568, Stop: 19349, Start Num: 79

Candidate Starts for Boilgate_20:

(Start: 75 @17559 has 25 MA's), (Start: 78 @17565 has 41 MA's), (Start: 79 @17568 has 139 MA's), (135, 17631), (154, 17667), (179, 17721), (Start: 196 @17772 has 7 MA's), (210, 17802), (265, 17931), (266, 17937), (Start: 268 @17943 has 11 MA's), (283, 17973), (306, 18039), (310, 18051), (393, 18222), (399, 18240), (418, 18288), (430, 18315), (434, 18327), (447, 18351), (515, 18453), (517, 18456), (541, 18513), (549, 18534), (555, 18549), (567, 18588), (593, 18657), (612, 18717), (647, 18825), (668, 18861), (681, 18885), (706, 18951), (718, 18960), (742, 19023), (745, 19035), (760, 19092), (776, 19134), (792, 19170), (822, 19272), (834, 19320), (843, 19341),

Gene: Bombitas_33 Start: 26624, Stop: 28357, Start Num: 89

Candidate Starts for Bombitas_33:

(Start: 89 @26624 has 30 MA's), (Start: 147 @26714 has 45 MA's), (172, 26762), (182, 26792), (193, 26819), (244, 26921), (259, 26951), (298, 27050), (309, 27086), (310, 27092), (321, 27113), (356, 27185), (359, 27194), (368, 27215), (410, 27284), (429, 27323), (430, 27326), (435, 27341), (456, 27380), (474, 27428), (480, 27440), (484, 27446), (503, 27494), (507, 27503), (517, 27524), (526, 27542), (545, 27590), (581, 27692), (605, 27752), (610, 27764), (678, 27848), (681, 27860), (682, 27866), (689, 27878), (691, 27881), (704, 27920), (713, 27938), (726, 27974), (727, 27980), (751, 28067), (775, 28157), (795, 28199), (803, 28217), (814, 28247), (823, 28289), (838, 28343),

Gene: Bombshell_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Bombshell_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233,

20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Bonamassa_24 Start: 19658, Stop: 21454, Start Num: 108

Candidate Starts for Bonamassa_24:

(Start: 108 @19658 has 545 MA's), (Start: 175 @19763 has 47 MA's), (184, 19796), (233, 19895), (264, 19970), (Start: 268 @19985 has 11 MA's), (288, 20021), (310, 20093), (318, 20108), (341, 20147), (352, 20174), (359, 20195), (381, 20234), (441, 20372), (446, 20378), (522, 20513), (545, 20570), (546, 20573), (549, 20582), (563, 20624), (569, 20642), (596, 20702), (597, 20705), (628, 20798), (630, 20807), (637, 20831), (680, 20939), (693, 20975), (760, 21185), (791, 21287), (794, 21296), (827, 21410), (833, 21431), (835, 21440),

Gene: Bonanza_23 Start: 16308, Stop: 17948, Start Num: 120

Candidate Starts for Bonanza_23:

(Start: 120 @16308 has 4 MA's), (Start: 130 @16323 has 32 MA's), (169, 16392), (181, 16428), (264, 16614), (313, 16743), (338, 16785), (351, 16812), (358, 16836), (365, 16854), (392, 16884), (395, 16899), (413, 16950), (456, 17034), (540, 17151), (551, 17175), (596, 17289), (611, 17337), (623, 17367), (633, 17406), (637, 17418), (669, 17448), (698, 17526), (757, 17673), (763, 17697), (774, 17733), (788, 17772), (838, 17940),

Gene: Bones_27 Start: 21039, Stop: 22841, Start Num: 109

Candidate Starts for Bones_27:

(Start: 109 @21039 has 207 MA's), (Start: 124 @21060 has 4 MA's), (Start: 146 @21102 has 1 MA's), (171, 21147), (264, 21363), (283, 21408), (289, 21417), (321, 21507), (322, 21510), (413, 21705), (449, 21774), (545, 21963), (549, 21975), (551, 21978), (556, 21999), (596, 22095), (597, 22098), (599, 22104), (623, 22173), (628, 22191), (630, 22200), (639, 22230), (681, 22326), (693, 22359), (698, 22374), (745, 22515), (760, 22572), (794, 22683), (840, 22836),

Gene: Bonum_44 Start: 30146, Stop: 31762, Start Num: 194

Candidate Starts for Bonum_44:

(Start: 194 @30146 has 87 MA's), (243, 30260), (274, 30344), (359, 30527), (401, 30593), (405, 30608), (419, 30632), (457, 30719), (469, 30749), (470, 30752), (499, 30809), (532, 30881), (570, 30986), (604, 31073), (622, 31121), (669, 31247), (683, 31283), (730, 31394), (751, 31469), (813, 31646), (822, 31688), (838, 31745),

Gene: Boohoo_30 Start: 19096, Stop: 20883, Start Num: 108

Candidate Starts for Boohoo_30:

(65, 19030), (Start: 90 @19072 has 8 MA's), (Start: 108 @19096 has 545 MA's), (184, 19234), (207, 19291), (233, 19333), (247, 19369), (264, 19408), (295, 19477), (301, 19501), (322, 19555), (399, 19705), (413, 19750), (430, 19780), (446, 19816), (468, 19867), (493, 19903), (522, 19951), (546, 20011), (596, 20140), (623, 20218), (698, 20419), (701, 20425), (736, 20521), (782, 20686), (815, 20785),

Gene: Boomer_17 Start: 14621, Stop: 16330, Start Num: 87

Candidate Starts for Boomer_17:

(Start: 87 @14621 has 207 MA's), (150, 14708), (Start: 175 @14753 has 47 MA's), (182, 14777), (203, 14834), (230, 14882), (233, 14888), (242, 14906), (257, 14936), (300, 15041), (320, 15095), (323, 15101), (329, 15110), (338, 15122), (342, 15131), (352, 15155), (365, 15191), (368, 15197), (374, 15209), (396, 15230), (398, 15233), (402, 15242), (408, 15257), (410, 15263), (420, 15281), (427, 15296), (429, 15302), (435, 15320), (436, 15323), (445, 15338), (455, 15353), (456, 15359), (466,

15389), (474, 15407), (480, 15419), (484, 15425), (515, 15485), (522, 15497), (538, 15533), (541, 15545), (549, 15566), (571, 15620), (573, 15629), (584, 15653), (596, 15683), (667, 15788), (673, 15800), (687, 15836), (701, 15875), (716, 15914), (744, 16013), (751, 16034), (759, 16067), (768, 16097), (776, 16127), (779, 16136), (781, 16142), (792, 16157), (793, 16160), (798, 16181), (800, 16184), (817, 16226), (822, 16256), (833, 16298),

Gene: Boopy_101 Start: 60032, Stop: 61660, Start Num: 116

Candidate Starts for Boopy_101:

(Start: 116 @60032 has 4 MA's), (127, 60047), (131, 60050), (144, 60077), (Start: 175 @60134 has 47 MA's), (185, 60170), (199, 60203), (214, 60233), (215, 60236), (251, 60305), (255, 60311), (318, 60476), (342, 60518), (347, 60527), (351, 60536), (353, 60548), (443, 60668), (515, 60821), (541, 60881), (599, 61028), (605, 61049), (610, 61064), (676, 61142), (678, 61148), (722, 61265), (727, 61280), (742, 61337), (751, 61367), (759, 61400), (802, 61520), (838, 61649),

Gene: BoostSeason_19 Start: 15039, Stop: 16808, Start Num: 78

Candidate Starts for BoostSeason_19:

(Start: 62 @15003 has 1 MA's), (Start: 75 @15033 has 25 MA's), (Start: 78 @15039 has 41 MA's), (Start: 97 @15054 has 44 MA's), (129, 15096), (154, 15144), (Start: 175 @15183 has 47 MA's), (179, 15198), (Start: 196 @15249 has 7 MA's), (210, 15279), (221, 15312), (227, 15324), (234, 15342), (266, 15414), (Start: 268 @15420 has 11 MA's), (306, 15516), (310, 15528), (357, 15624), (399, 15717), (412, 15759), (418, 15765), (434, 15804), (447, 15828), (454, 15840), (515, 15930), (520, 15939), (542, 15993), (554, 16023), (596, 16134), (612, 16185), (647, 16293), (706, 16407), (718, 16416), (745, 16491), (759, 16542), (760, 16548), (795, 16644), (816, 16698), (834, 16779), (843, 16800),

Gene: Bora_54 Start: 33145, Stop: 34881, Start Num: 74

Candidate Starts for Bora_54:

(Start: 69 @33136 has 2 MA's), (Start: 74 @33145 has 26 MA's), (134, 33235), (187, 33352), (203, 33388), (214, 33409), (230, 33436), (233, 33442), (249, 33472), (261, 33496), (281, 33547), (342, 33685), (344, 33691), (363, 33742), (365, 33745), (374, 33763), (420, 33814), (429, 33835), (430, 33838), (455, 33886), (456, 33892), (474, 33940), (477, 33946), (480, 33952), (504, 34012), (515, 34036), (517, 34039), (538, 34084), (542, 34099), (546, 34108), (549, 34117), (564, 34162), (573, 34180), (589, 34213), (673, 34351), (680, 34372), (706, 34438), (717, 34468), (734, 34522), (744, 34564), (751, 34585), (755, 34606), (759, 34618), (765, 34639), (781, 34693), (815, 34771), (822, 34807), (827, 34828), (834, 34855),

Gene: Bosection6_18 Start: 14989, Stop: 16698, Start Num: 91

Candidate Starts for Bosection6_18:

(Start: 91 @14989 has 42 MA's), (115, 15016), (Start: 175 @15121 has 47 MA's), (178, 15133), (190, 15169), (213, 15220), (230, 15250), (233, 15256), (247, 15283), (251, 15289), (300, 15409), (320, 15463), (323, 15469), (337, 15487), (342, 15499), (343, 15502), (352, 15523), (368, 15565), (396, 15598), (420, 15649), (427, 15664), (445, 15706), (455, 15721), (456, 15727), (474, 15775), (486, 15799), (497, 15829), (515, 15853), (541, 15913), (546, 15925), (564, 15979), (571, 15988), (595, 16048), (596, 16051), (667, 16156), (671, 16165), (687, 16204), (735, 16342), (775, 16492), (776, 16495), (779, 16504), (792, 16525), (800, 16552), (815, 16588), (838, 16681),

Gene: Bosnia_19 Start: 17764, Stop: 19362, Start Num: 194

Candidate Starts for Bosnia_19:

(Start: 194 @17764 has 87 MA's), (310, 18022), (319, 18040), (321, 18043), (351, 18097), (381, 18172), (413, 18241), (423, 18250), (427, 18262), (451, 18313), (459, 18340), (462, 18349), (463, 18352), (518, 18385), (541, 18442), (564, 18508), (602, 18619), (610, 18643), (623, 18679), (655, 18781), (682, 18838), (716, 18928), (787, 19168), (810, 19246),

Gene: Bowtie_28 Start: 20755, Stop: 22554, Start Num: 108

Candidate Starts for Bowtie_28:

(65, 20689), (Start: 90 @20731 has 8 MA's), (Start: 108 @20755 has 545 MA's), (141, 20797), (184, 20893), (189, 20908), (232, 20989), (233, 20992), (264, 21067), (Start: 268 @21082 has 11 MA's), (289, 21121), (292, 21127), (338, 21238), (341, 21244), (373, 21325), (413, 21409), (472, 21535), (485, 21553), (507, 21580), (563, 21721), (592, 21787), (596, 21799), (597, 21802), (636, 21925), (662, 21991), (674, 22018), (683, 22048), (685, 22051), (693, 22072), (698, 22087), (710, 22111), (735, 22186), (738, 22201), (760, 22285), (792, 22390), (794, 22396), (813, 22450), (840, 22549),

Gene: BoyNamedSue_19 Start: 17776, Stop: 19374, Start Num: 194

Candidate Starts for BoyNamedSue_19:

(Start: 194 @17776 has 87 MA's), (310, 18034), (319, 18052), (321, 18055), (351, 18109), (381, 18184), (413, 18253), (423, 18262), (427, 18274), (431, 18286), (451, 18325), (459, 18352), (462, 18361), (463, 18364), (518, 18397), (541, 18454), (564, 18520), (602, 18631), (623, 18691), (655, 18793), (682, 18850), (716, 18940), (787, 19180), (810, 19258),

Gene: Bradman_27 Start: 19074, Stop: 20864, Start Num: 108

Candidate Starts for Bradman_27:

(65, 19008), (Start: 90 @19050 has 8 MA's), (Start: 108 @19074 has 545 MA's), (184, 19212), (189, 19227), (232, 19308), (233, 19311), (262, 19383), (264, 19386), (289, 19440), (292, 19446), (297, 19464), (318, 19524), (338, 19557), (341, 19563), (356, 19602), (373, 19644), (412, 19725), (413, 19728), (441, 19788), (513, 19914), (549, 19998), (563, 20040), (583, 20091), (597, 20121), (637, 20247), (665, 20310), (693, 20382), (698, 20397), (710, 20421), (735, 20496), (738, 20511), (760, 20595), (792, 20700), (794, 20706), (798, 20724), (809, 20751), (813, 20760),

Gene: Bradshaw_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for Bradshaw_23:

(Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (208, 16526), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (389, 16904), (392, 16910), (395, 16925), (397, 16928), (413, 16976), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: Bran_17 Start: 16323, Stop: 18020, Start Num: 83

Candidate Starts for Bran_17:

(Start: 83 @16323 has 8 MA's), (Start: 99 @16344 has 4 MA's), (153, 16428), (169, 16455), (171, 16461), (229, 16593), (251, 16644), (264, 16677), (272, 16701), (321, 16821), (341, 16854), (350, 16872), (369, 16926), (399, 16971), (423, 17028), (428, 17040), (444, 17079), (507, 17139), (517, 17160), (522, 17169), (545, 17226), (576, 17316), (619, 17424), (634, 17478), (637, 17484), (647, 17502), (703, 17598), (720, 17619), (737, 17664), (782, 17823), (789, 17838), (793, 17853), (795, 17865), (838, 18009),

Gene: Braxoaddie_45 Start: 31342, Stop: 32916, Start Num: 196

Candidate Starts for Braxoaddie_45:

(Start: 196 @31342 has 7 MA's), (199, 31351), (227, 31405), (237, 31429), (243, 31432), (360, 31702), (401, 31765), (405, 31780), (464, 31897), (470, 31912), (499, 31969), (502, 31978), (521, 32020), (532, 32041), (541, 32071), (566, 32128), (596, 32203), (628, 32299), (669, 32404), (670, 32407), (681, 32434), (717, 32512), (730, 32551), (772, 32707), (801, 32773),

Gene: BreSam8_29 Start: 20372, Stop: 22168, Start Num: 108

Candidate Starts for BreSam8_29:

(Start: 108 @20372 has 545 MA's), (Start: 146 @20429 has 1 MA's), (154, 20444), (179, 20498), (Start: 183 @20513 has 1 MA's), (227, 20600), (232, 20612), (233, 20615), (264, 20690), (Start: 268 @20705 has 11 MA's), (288, 20741), (373, 20948), (449, 21101), (495, 21188), (549, 21302), (556,

21326), (563, 21344), (597, 21425), (623, 21500), (628, 21518), (637, 21551), (639, 21557), (653, 21596), (680, 21650), (681, 21653), (689, 21674), (713, 21731), (760, 21899), (792, 22004), (794, 22010), (833, 22145),

Gene: Briton15_29 Start: 21386, Stop: 23188, Start Num: 109

Candidate Starts for Briton15_29:

(Start: 109 @21386 has 207 MA's), (Start: 124 @21407 has 4 MA's), (Start: 146 @21449 has 1 MA's), (171, 21494), (264, 21710), (283, 21755), (289, 21764), (301, 21803), (321, 21854), (322, 21857), (365, 21950), (413, 22052), (449, 22121), (545, 22310), (549, 22322), (551, 22325), (556, 22346), (596, 22442), (597, 22445), (599, 22451), (623, 22520), (628, 22538), (630, 22547), (639, 22577), (681, 22673), (693, 22706), (698, 22721), (745, 22862), (760, 22919), (794, 23030),

Gene: Brocalys_16 Start: 14792, Stop: 16501, Start Num: 87

Candidate Starts for Brocalys_16:

(Start: 87 @14792 has 207 MA's), (150, 14879), (Start: 175 @14924 has 47 MA's), (182, 14948), (230, 15053), (233, 15059), (242, 15077), (257, 15107), (300, 15212), (323, 15272), (338, 15293), (342, 15302), (352, 15326), (420, 15452), (427, 15467), (429, 15473), (445, 15509), (448, 15512), (455, 15524), (456, 15530), (474, 15578), (480, 15590), (484, 15596), (515, 15656), (522, 15668), (538, 15704), (541, 15716), (571, 15791), (573, 15800), (581, 15818), (584, 15824), (596, 15854), (667, 15959), (671, 15968), (673, 15971), (687, 16007), (716, 16085), (744, 16184), (751, 16205), (759, 16238), (768, 16268), (776, 16298), (779, 16307), (781, 16313), (792, 16328), (793, 16331), (800, 16355), (813, 16385), (817, 16397), (822, 16427), (833, 16469),

Gene: Broseidon_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Broseidon_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: BruceB_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for BruceB_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Bruin_24 Start: 19853, Stop: 21448, Start Num: 147

Candidate Starts for Bruin_24:

(Start: 94 @19769 has 79 MA's), (Start: 147 @19853 has 45 MA's), (Start: 183 @19931 has 1 MA's), (227, 20018), (233, 20033), (257, 20081), (271, 20120), (306, 20207), (321, 20240), (342, 20276), (354, 20306), (356, 20312), (400, 20381), (424, 20411), (428, 20423), (429, 20426), (456, 20483), (517, 20615), (520, 20621), (547, 20687), (549, 20693), (556, 20717), (573, 20765), (584, 20789), (589, 20798), (616, 20873), (671, 20924), (678, 20939), (736, 21101), (742, 21128), (751, 21158), (780, 21263), (815, 21341), (822, 21377), (824, 21386), (833, 21419), (838, 21434),

Gene: Bruiser_26 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Bruiser_26:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Brujita_19 Start: 16495, Stop: 18228, Start Num: 96

Candidate Starts for Brujita_19:

(Start: 96 @16495 has 6 MA's), (159, 16594), (165, 16603), (190, 16669), (199, 16693), (232, 16753), (233, 16756), (247, 16783), (320, 16963), (337, 16987), (342, 16999), (352, 17023), (420, 17149), (427, 17164), (430, 17173), (448, 17209), (456, 17227), (480, 17287), (541, 17413), (564, 17479), (571, 17488), (573, 17497), (584, 17521), (671, 17665), (689, 17710), (727, 17812), (729, 17821), (734, 17839), (735, 17842), (776, 18001), (782, 18019), (792, 18055), (795, 18070), (815, 18118), (831, 18187),

Gene: Bruns_26 Start: 21014, Stop: 22816, Start Num: 109

Candidate Starts for Bruns_26:

(Start: 109 @21014 has 207 MA's), (Start: 124 @21035 has 4 MA's), (Start: 146 @21077 has 1 MA's), (171, 21122), (264, 21338), (283, 21383), (289, 21392), (321, 21482), (322, 21485), (338, 21509), (365, 21578), (413, 21680), (449, 21749), (545, 21938), (549, 21950), (551, 21953), (556, 21974), (596, 22070), (597, 22073), (599, 22079), (623, 22148), (628, 22166), (630, 22175), (639, 22205), (681, 22301), (693, 22334), (698, 22349), (745, 22490), (760, 22547), (794, 22658),

Gene: Brusacoram_19 Start: 16385, Stop: 18121, Start Num: 82

Candidate Starts for Brusacoram_19:

(Start: 71 @16361 has 2 MA's), (Start: 82 @16385 has 44 MA's), (128, 16445), (136, 16466), (138, 16469), (Start: 195 @16589 has 39 MA's), (213, 16628), (232, 16661), (244, 16685), (296, 16805), (306, 16844), (309, 16850), (351, 16934), (352, 16940), (356, 16952), (365, 16976), (379, 17003), (400, 17021), (417, 17060), (420, 17066), (430, 17090), (456, 17144), (461, 17156), (463, 17165), (490, 17225), (526, 17303), (541, 17342), (554, 17375), (573, 17441), (578, 17456), (584, 17465), (594, 17489), (605, 17519), (610, 17531), (682, 17633), (689, 17645), (691, 17648), (692, 17654), (695, 17663), (734, 17771), (755, 17855), (787, 17954), (824, 18062), (838, 18110),

Gene: Brushbloom_18 Start: 14687, Stop: 16396, Start Num: 87

Candidate Starts for Brushbloom_18:

(Start: 87 @14687 has 207 MA's), (150, 14774), (Start: 175 @14819 has 47 MA's), (182, 14843), (230, 14948), (233, 14954), (242, 14972), (257, 15002), (300, 15107), (323, 15167), (338, 15188), (342, 15197), (352, 15221), (420, 15347), (427, 15362), (429, 15368), (445, 15404), (448, 15407), (455, 15419), (456, 15425), (474, 15473), (480, 15485), (484, 15491), (515, 15551), (522, 15563), (538, 15599), (541, 15611), (571, 15686), (573, 15695), (581, 15713), (584, 15719), (596, 15749), (667, 15854), (671, 15863), (673, 15866), (687, 15902), (716, 15980), (744, 16079), (751, 16100), (759, 16133), (768, 16163), (776, 16193), (779, 16202), (781, 16208), (792, 16223), (793, 16226), (800, 16250), (813, 16280), (817, 16292), (822, 16322), (833, 16364),

Gene: BrutonGaster_36 Start: 25954, Stop: 27642, Start Num: 110

Candidate Starts for BrutonGaster_36:

(Start: 110 @25954 has 14 MA's), (144, 26014), (150, 26023), (159, 26047), (207, 26164), (Start: 209 @26170 has 1 MA's), (243, 26236), (264, 26284), (299, 26371), (301, 26377), (319, 26425), (321, 26428), (344, 26470), (427, 26575), (456, 26638), (458, 26644), (466, 26668), (541, 26830), (572, 26920), (610, 27028), (616, 27046), (667, 27088), (685, 27133), (688, 27139), (713, 27199), (742, 27298), (745, 27310), (748, 27319), (815, 27511), (823, 27550), (832, 27586), (844, 27634),

Gene: Bryce_23 Start: 16323, Stop: 17948, Start Num: 130

Candidate Starts for Bryce_23:

(Start: 120 @16308 has 4 MA's), (Start: 130 @16323 has 32 MA's), (153, 16365), (169, 16392), (181, 16428), (264, 16614), (313, 16743), (338, 16785), (351, 16812), (358, 16836), (365, 16854), (392, 16884), (395, 16899), (413, 16950), (456, 17034), (540, 17151), (551, 17175), (596, 17289), (611, 17337), (623, 17367), (633, 17406), (637, 17418), (669, 17448), (698, 17526), (757, 17673), (763, 17697), (774, 17733), (788, 17772), (838, 17940),

Gene: Bryler_22 Start: 16350, Stop: 18116, Start Num: 79

Candidate Starts for Bryler_22:

(Start: 75 @16341 has 25 MA's), (Start: 79 @16350 has 139 MA's), (101, 16380), (Start: 175 @16506 has 47 MA's), (179, 16521), (184, 16539), (Start: 196 @16572 has 7 MA's), (210, 16602), (227, 16647), (266, 16737), (283, 16773), (310, 16851), (315, 16860), (356, 16944), (359, 16953), (363, 16965), (365, 16968), (373, 16986), (384, 17007), (393, 17022), (395, 17034), (399, 17040), (412, 17082), (418, 17088), (525, 17271), (548, 17331), (583, 17415), (593, 17433), (612, 17493), (636, 17568), (645, 17592), (681, 17652), (693, 17685), (694, 17688), (701, 17706), (718, 17727), (745, 17802), (759, 17853), (760, 17859), (769, 17880), (795, 17952), (815, 18003), (834, 18087), (835, 18090), (843, 18108),

Gene: Brylie_22 Start: 17344, Stop: 19050, Start Num: 126

Candidate Starts for Brylie_22:

(Start: 69 @17269 has 2 MA's), (Start: 126 @17344 has 16 MA's), (Start: 175 @17437 has 47 MA's), (179, 17452), (181, 17458), (Start: 209 @17533 has 1 MA's), (235, 17605), (286, 17716), (301, 17761), (306, 17779), (310, 17791), (395, 17962), (401, 17971), (403, 17977), (412, 18010), (442, 18073), (466, 18124), (500, 18148), (513, 18172), (546, 18247), (558, 18286), (610, 18418), (647, 18532), (693, 18619), (744, 18733), (747, 18742), (780, 18847), (814, 18934), (843, 19042),

Gene: BubbleTrouble_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for BubbleTrouble_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Bubbles123_17 Start: 15521, Stop: 17230, Start Num: 87

Candidate Starts for Bubbles123_17:

(Start: 87 @15521 has 207 MA's), (150, 15608), (Start: 175 @15653 has 47 MA's), (182, 15677), (230, 15782), (233, 15788), (242, 15806), (257, 15836), (300, 15941), (323, 16001), (338, 16022), (342, 16031), (352, 16055), (420, 16181), (427, 16196), (429, 16202), (445, 16238), (448, 16241), (455, 16253), (456, 16259), (474, 16307), (480, 16319), (484, 16325), (515, 16385), (522, 16397), (538, 16433), (541, 16445), (571, 16520), (573, 16529), (581, 16547), (584, 16553), (596, 16583), (667, 16688), (671, 16697), (673, 16700), (687, 16736), (716, 16814), (744, 16913), (751, 16934), (759, 16967), (768, 16997), (776, 17027), (779, 17036), (781, 17042), (792, 17057), (793, 17060), (800, 17084), (813, 17114), (817, 17126), (822, 17156), (833, 17198),

Gene: Buck_23 Start: 19702, Stop: 21381, Start Num: 94

Candidate Starts for Buck_23:

(Start: 94 @19702 has 79 MA's), (Start: 147 @19786 has 45 MA's), (Start: 183 @19864 has 1 MA's), (227, 19951), (233, 19966), (257, 20014), (271, 20053), (306, 20140), (321, 20173), (342, 20209),

(354, 20239), (356, 20245), (400, 20314), (424, 20344), (428, 20356), (429, 20359), (456, 20416), (517, 20548), (520, 20554), (547, 20620), (549, 20626), (556, 20650), (573, 20698), (584, 20722), (589, 20731), (616, 20806), (671, 20857), (678, 20872), (736, 21034), (742, 21061), (751, 21091), (780, 21196), (815, 21274), (822, 21310), (824, 21319), (833, 21352), (838, 21367),

Gene: Bud_28 Start: 20761, Stop: 22560, Start Num: 108

Candidate Starts for Bud_28:

(65, 20695), (Start: 90 @20737 has 8 MA's), (Start: 108 @20761 has 545 MA's), (141, 20803), (184, 20899), (189, 20914), (232, 20995), (233, 20998), (264, 21073), (Start: 268 @21088 has 11 MA's), (289, 21127), (292, 21133), (306, 21184), (338, 21244), (341, 21250), (373, 21331), (413, 21415), (472, 21541), (485, 21559), (507, 21586), (563, 21727), (592, 21793), (596, 21805), (597, 21808), (662, 21997), (674, 22024), (678, 22033), (683, 22054), (685, 22057), (693, 22078), (698, 22093), (710, 22117), (735, 22192), (738, 22207), (760, 22291), (792, 22396), (794, 22402), (813, 22456), (840, 22555),

Gene: Bugatti_27 Start: 19904, Stop: 21700, Start Num: 108

Candidate Starts for Bugatti_27:

(Start: 108 @19904 has 545 MA's), (Start: 146 @19961 has 1 MA's), (179, 20030), (227, 20132), (232, 20144), (233, 20147), (264, 20222), (Start: 268 @20237 has 11 MA's), (289, 20276), (347, 20411), (373, 20480), (430, 20594), (495, 20720), (549, 20834), (556, 20858), (563, 20876), (597, 20957), (623, 21032), (628, 21050), (630, 21059), (637, 21083), (639, 21089), (645, 21104), (662, 21137), (680, 21182), (681, 21185), (689, 21206), (693, 21218), (695, 21224), (719, 21281), (760, 21431), (768, 21455), (792, 21536), (794, 21542), (833, 21677),

Gene: Buggaboo_42 Start: 30625, Stop: 32241, Start Num: 194

Candidate Starts for Buggaboo_42:

(Start: 194 @30625 has 87 MA's), (Start: 198 @30637 has 1 MA's), (243, 30739), (274, 30823), (359, 31006), (401, 31072), (405, 31087), (419, 31111), (457, 31198), (469, 31228), (470, 31231), (499, 31288), (532, 31360), (570, 31465), (604, 31552), (622, 31600), (669, 31726), (683, 31762), (730, 31873), (751, 31948), (813, 32125), (822, 32167), (838, 32224),

Gene: BugsBunny_22 Start: 19419, Stop: 21014, Start Num: 147

Candidate Starts for BugsBunny_22:

(Start: 94 @19335 has 79 MA's), (Start: 147 @19419 has 45 MA's), (Start: 183 @19497 has 1 MA's), (227, 19584), (233, 19599), (257, 19647), (271, 19686), (306, 19773), (321, 19806), (342, 19842), (354, 19872), (356, 19878), (400, 19947), (424, 19977), (428, 19989), (429, 19992), (456, 20049), (517, 20181), (520, 20187), (547, 20253), (549, 20259), (556, 20283), (573, 20331), (584, 20355), (589, 20364), (616, 20439), (671, 20490), (678, 20505), (736, 20667), (742, 20694), (751, 20724), (780, 20829), (815, 20907), (822, 20943), (824, 20952), (833, 20985), (838, 21000),

Gene: Buggy_30 Start: 20696, Stop: 22468, Start Num: 108

Candidate Starts for Buggy_30:

(Start: 90 @20672 has 8 MA's), (Start: 108 @20696 has 545 MA's), (173, 20795), (202, 20879), (232, 20930), (233, 20933), (262, 21005), (264, 21008), (289, 21062), (301, 21101), (338, 21179), (373, 21266), (412, 21347), (413, 21350), (513, 21536), (551, 21623), (592, 21728), (597, 21743), (637, 21869), (639, 21875), (669, 21923), (698, 22001), (701, 22007), (724, 22061), (735, 22100), (738, 22115), (760, 22199), (794, 22310),

Gene: Bumblebee11_27 Start: 19826, Stop: 21625, Start Num: 108

Candidate Starts for Bumblebee11_27:

(Start: 90 @19802 has 8 MA's), (Start: 108 @19826 has 545 MA's), (Start: 146 @19886 has 1 MA's), (179, 19955), (208, 20033), (227, 20057), (233, 20072), (247, 20108), (264, 20147), (Start: 268 @20162 has 11 MA's), (289, 20201), (322, 20294), (338, 20318), (373, 20405), (430, 20519), (449,

20558), (495, 20645), (522, 20690), (549, 20759), (556, 20783), (559, 20795), (597, 20882), (623, 20957), (628, 20975), (630, 20984), (637, 21008), (639, 21014), (645, 21029), (662, 21062), (680, 21107), (681, 21110), (689, 21131), (760, 21356), (784, 21434), (792, 21461), (794, 21467), (833, 21602),

Gene: Bunnies_19 Start: 16407, Stop: 18143, Start Num: 82

Candidate Starts for Bunnies_19:

(Start: 71 @16383 has 2 MA's), (Start: 82 @16407 has 44 MA's), (128, 16467), (136, 16488), (138, 16491), (Start: 195 @16611 has 39 MA's), (213, 16650), (232, 16683), (244, 16707), (296, 16827), (306, 16866), (309, 16872), (351, 16956), (352, 16962), (356, 16974), (365, 16998), (379, 17025), (400, 17043), (417, 17082), (420, 17088), (430, 17112), (456, 17166), (461, 17178), (463, 17187), (490, 17247), (526, 17325), (541, 17364), (554, 17397), (573, 17463), (578, 17478), (584, 17487), (594, 17511), (605, 17541), (610, 17553), (682, 17655), (689, 17667), (691, 17670), (692, 17676), (695, 17685), (734, 17793), (755, 17877), (787, 17976), (824, 18084), (838, 18132),

Gene: Bunnybear_18 Start: 17781, Stop: 19379, Start Num: 194

Candidate Starts for Bunnybear_18:

(Start: 84 @17559 has 1 MA's), (100, 17580), (119, 17610), (149, 17664), (Start: 194 @17781 has 87 MA's), (310, 18039), (319, 18057), (321, 18060), (351, 18114), (363, 18153), (381, 18189), (413, 18258), (423, 18267), (451, 18330), (459, 18357), (462, 18366), (463, 18369), (518, 18402), (541, 18459), (543, 18465), (564, 18525), (591, 18603), (600, 18627), (602, 18636), (610, 18660), (623, 18696), (655, 18798), (682, 18855), (696, 18894), (698, 18900), (701, 18906), (716, 18945), (751, 19062), (787, 19185), (810, 19263),

Gene: Burger_26 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Burger_26:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Burton_28 Start: 21234, Stop: 23036, Start Num: 109

Candidate Starts for Burton_28:

(Start: 109 @21234 has 207 MA's), (Start: 124 @21255 has 4 MA's), (Start: 146 @21297 has 1 MA's), (171, 21342), (264, 21558), (283, 21603), (289, 21612), (301, 21651), (321, 21702), (322, 21705), (365, 21798), (413, 21900), (449, 21969), (549, 22170), (551, 22173), (556, 22194), (596, 22290), (597, 22293), (599, 22299), (623, 22368), (628, 22386), (630, 22395), (639, 22425), (681, 22521), (693, 22554), (698, 22569), (745, 22710), (760, 22767), (794, 22878),

Gene: Burwell21_16 Start: 14811, Stop: 16520, Start Num: 87

Candidate Starts for Burwell21_16:

(Start: 87 @14811 has 207 MA's), (150, 14898), (Start: 175 @14943 has 47 MA's), (182, 14967), (230, 15072), (233, 15078), (242, 15096), (257, 15126), (300, 15231), (320, 15285), (323, 15291), (329, 15300), (342, 15321), (352, 15345), (365, 15381), (368, 15387), (396, 15420), (398, 15423), (402, 15432), (408, 15447), (410, 15453), (420, 15471), (427, 15486), (429, 15492), (435, 15510), (436, 15513), (445, 15528), (455, 15543), (456, 15549), (474, 15597), (480, 15609), (484, 15615), (515, 15675), (522, 15687), (538, 15723), (541, 15735), (571, 15810), (573, 15819), (581, 15837), (584, 15843), (596, 15873), (667, 15978), (673, 15990), (687, 16026), (716, 16104), (751, 16224), (759, 16257), (768, 16287), (771, 16299), (776, 16317), (778, 16323), (779, 16326), (781, 16332), (792, 16347), (793, 16350), (798, 16371), (800, 16374), (817, 16416), (822, 16446), (833, 16488), (834,

16494),

Gene: Butters_18 Start: 14956, Stop: 16665, Start Num: 91

Candidate Starts for Butters_18:

(Start: 91 @14956 has 42 MA's), (115, 14983), (Start: 175 @15088 has 47 MA's), (178, 15100), (190, 15136), (213, 15187), (227, 15208), (230, 15217), (233, 15223), (244, 15244), (251, 15256), (320, 15430), (323, 15436), (337, 15454), (342, 15466), (343, 15469), (352, 15490), (396, 15565), (408, 15592), (420, 15616), (422, 15619), (427, 15631), (445, 15673), (455, 15688), (456, 15694), (459, 15703), (474, 15742), (497, 15796), (515, 15820), (541, 15880), (564, 15946), (571, 15955), (573, 15964), (595, 16015), (596, 16018), (667, 16123), (687, 16171), (713, 16237), (735, 16309), (776, 16462), (779, 16471), (792, 16492), (795, 16507), (800, 16519), (815, 16555), (817, 16561),

Gene: Buttons_29 Start: 22075, Stop: 23877, Start Num: 109

Candidate Starts for Buttons_29:

(Start: 109 @22075 has 207 MA's), (Start: 124 @22096 has 4 MA's), (Start: 146 @22138 has 1 MA's), (171, 22183), (264, 22399), (283, 22444), (289, 22453), (301, 22492), (321, 22543), (322, 22546), (365, 22639), (413, 22741), (449, 22810), (477, 22870), (549, 23011), (551, 23014), (556, 23035), (596, 23131), (597, 23134), (599, 23140), (623, 23209), (628, 23227), (630, 23236), (639, 23266), (681, 23362), (693, 23395), (698, 23410), (745, 23551), (760, 23608), (794, 23719),

Gene: BuzzBuzz_28 Start: 20463, Stop: 22259, Start Num: 108

Candidate Starts for BuzzBuzz_28:

(Start: 108 @20463 has 545 MA's), (Start: 146 @20520 has 1 MA's), (154, 20535), (173, 20568), (179, 20589), (Start: 183 @20604 has 1 MA's), (227, 20691), (232, 20703), (233, 20706), (264, 20781), (Start: 268 @20796 has 11 MA's), (288, 20832), (373, 21039), (430, 21153), (449, 21192), (495, 21279), (549, 21393), (556, 21417), (563, 21435), (597, 21516), (623, 21591), (628, 21609), (637, 21642), (639, 21648), (653, 21687), (680, 21741), (681, 21744), (689, 21765), (713, 21822), (760, 21990), (792, 22095), (794, 22101), (833, 22236),

Gene: BuzzLyseyear_18 Start: 15198, Stop: 16907, Start Num: 87

Candidate Starts for BuzzLyseyear_18:

(Start: 87 @15198 has 207 MA's), (150, 15285), (Start: 175 @15330 has 47 MA's), (182, 15354), (230, 15459), (233, 15465), (242, 15483), (257, 15513), (300, 15618), (323, 15678), (338, 15699), (342, 15708), (352, 15732), (420, 15858), (427, 15873), (429, 15879), (435, 15897), (436, 15900), (445, 15915), (455, 15930), (456, 15936), (474, 15984), (480, 15996), (484, 16002), (515, 16062), (522, 16074), (538, 16110), (541, 16122), (571, 16197), (573, 16206), (581, 16224), (584, 16230), (596, 16260), (667, 16365), (673, 16377), (687, 16413), (716, 16491), (751, 16611), (759, 16644), (768, 16674), (771, 16686), (776, 16704), (778, 16710), (779, 16713), (781, 16719), (792, 16734), (793, 16737), (798, 16758), (800, 16761), (817, 16803), (822, 16833), (833, 16875), (834, 16881),

Gene: Bxb1_25 Start: 21185, Stop: 22987, Start Num: 109

Candidate Starts for Bxb1_25:

(Start: 109 @21185 has 207 MA's), (Start: 124 @21206 has 4 MA's), (Start: 146 @21248 has 1 MA's), (171, 21293), (264, 21509), (283, 21554), (289, 21563), (301, 21602), (321, 21653), (322, 21656), (413, 21851), (449, 21920), (549, 22121), (551, 22124), (556, 22145), (596, 22241), (597, 22244), (599, 22250), (623, 22319), (628, 22337), (630, 22346), (639, 22376), (681, 22472), (693, 22505), (698, 22520), (745, 22661), (760, 22718), (794, 22829),

Gene: Bxz2_28 Start: 20473, Stop: 22269, Start Num: 108

Candidate Starts for Bxz2_28:

(Start: 108 @20473 has 545 MA's), (Start: 146 @20530 has 1 MA's), (154, 20545), (173, 20578), (179, 20599), (Start: 183 @20614 has 1 MA's), (227, 20701), (232, 20713), (233, 20716), (264, 20791), (Start: 268 @20806 has 11 MA's), (288, 20842), (373, 21049), (430, 21163), (449, 21202), (495,

21289), (549, 21403), (556, 21427), (563, 21445), (597, 21526), (623, 21601), (628, 21619), (637, 21652), (639, 21658), (653, 21697), (680, 21751), (681, 21754), (689, 21775), (713, 21832), (760, 22000), (792, 22105), (794, 22111), (833, 22246),

Gene: ByChance_16 Start: 14817, Stop: 16526, Start Num: 87

Candidate Starts for ByChance_16:

(Start: 87 @14817 has 207 MA's), (150, 14904), (Start: 175 @14949 has 47 MA's), (182, 14973), (230, 15078), (233, 15084), (242, 15102), (257, 15132), (300, 15237), (323, 15297), (338, 15318), (342, 15327), (352, 15351), (396, 15426), (398, 15429), (420, 15477), (427, 15492), (429, 15498), (445, 15534), (455, 15549), (456, 15555), (474, 15603), (480, 15615), (484, 15621), (515, 15681), (522, 15693), (538, 15729), (541, 15741), (571, 15816), (573, 15825), (581, 15843), (584, 15849), (596, 15879), (667, 15984), (673, 15996), (687, 16032), (716, 16110), (751, 16230), (759, 16263), (768, 16293), (776, 16323), (779, 16332), (781, 16338), (792, 16353), (793, 16356), (800, 16380), (813, 16410), (817, 16422), (822, 16452), (833, 16494),

Gene: Byougenkin_16 Start: 14826, Stop: 16535, Start Num: 87

Candidate Starts for Byougenkin_16:

(Start: 87 @14826 has 207 MA's), (150, 14913), (Start: 175 @14958 has 47 MA's), (182, 14982), (230, 15087), (233, 15093), (242, 15111), (257, 15141), (300, 15246), (323, 15306), (338, 15327), (342, 15336), (351, 15354), (352, 15360), (420, 15486), (427, 15501), (429, 15507), (445, 15543), (448, 15546), (455, 15558), (456, 15564), (474, 15612), (480, 15624), (484, 15630), (515, 15690), (522, 15702), (538, 15738), (541, 15750), (571, 15825), (573, 15834), (581, 15852), (584, 15858), (596, 15888), (667, 15993), (671, 16002), (673, 16005), (687, 16041), (713, 16107), (716, 16119), (744, 16218), (751, 16239), (759, 16272), (768, 16302), (776, 16332), (779, 16341), (781, 16347), (792, 16362), (793, 16365), (800, 16389), (817, 16431), (822, 16461), (833, 16503), (834, 16509),

Gene: C3_26 Start: 20192, Stop: 21982, Start Num: 108

Candidate Starts for C3_26:

(65, 20126), (Start: 90 @20168 has 8 MA's), (Start: 108 @20192 has 545 MA's), (232, 20426), (233, 20429), (262, 20501), (264, 20504), (Start: 268 @20519 has 11 MA's), (289, 20558), (292, 20564), (338, 20675), (347, 20693), (352, 20708), (373, 20762), (412, 20843), (413, 20846), (495, 21002), (513, 21032), (553, 21125), (597, 21239), (637, 21365), (693, 21500), (698, 21515), (710, 21539), (735, 21614), (736, 21617), (738, 21629), (760, 21713), (784, 21791), (792, 21818), (794, 21824), (809, 21869), (813, 21878), (833, 21959),

Gene: C3PO_31 Start: 28482, Stop: 30080, Start Num: 195

Candidate Starts for C3PO_31:

(Start: 195 @28482 has 39 MA's), (246, 28581), (272, 28650), (292, 28689), (350, 28824), (371, 28884), (460, 29037), (464, 29049), (467, 29058), (469, 29061), (493, 29106), (499, 29121), (502, 29130), (505, 29139), (532, 29193), (538, 29211), (563, 29265), (635, 29481), (677, 29574), (724, 29682), (738, 29736), (758, 29811), (801, 29940), (837, 30066),

Gene: CLED96_18 Start: 16640, Stop: 18403, Start Num: 75

Candidate Starts for CLED96_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: CRB1_28 Start: 20183, Stop: 21955, Start Num: 108

Candidate Starts for CRB1_28:

(Start: 90 @20159 has 8 MA's), (Start: 108 @20183 has 545 MA's), (173, 20282), (232, 20417), (233, 20420), (262, 20492), (264, 20495), (289, 20549), (292, 20555), (301, 20588), (338, 20666), (373, 20753), (412, 20834), (413, 20837), (513, 21023), (551, 21110), (592, 21215), (597, 21230), (637, 21356), (639, 21362), (669, 21410), (693, 21473), (698, 21488), (701, 21494), (714, 21524), (724, 21548), (735, 21587), (738, 21602), (760, 21686),

Gene: CREW_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for CREW_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: Cabrinians_16 Start: 14807, Stop: 16516, Start Num: 87

Candidate Starts for Cabrinians_16:

(Start: 87 @14807 has 207 MA's), (150, 14894), (Start: 175 @14939 has 47 MA's), (182, 14963), (230, 15068), (233, 15074), (242, 15092), (257, 15122), (300, 15227), (323, 15287), (338, 15308), (342, 15317), (352, 15341), (396, 15416), (398, 15419), (420, 15467), (427, 15482), (429, 15488), (445, 15524), (448, 15527), (455, 15539), (456, 15545), (474, 15593), (480, 15605), (484, 15611), (515, 15671), (522, 15683), (538, 15719), (541, 15731), (571, 15806), (573, 15815), (581, 15833), (584, 15839), (596, 15869), (667, 15974), (673, 15986), (687, 16022), (716, 16100), (751, 16220), (759, 16253), (768, 16283), (776, 16313), (779, 16322), (781, 16328), (792, 16343), (793, 16346), (800, 16370), (813, 16400), (817, 16412), (822, 16442), (833, 16484),

Gene: Cactus_25 Start: 18958, Stop: 20637, Start Num: 94

Candidate Starts for Cactus_25:

(Start: 94 @18958 has 79 MA's), (Start: 147 @19042 has 45 MA's), (Start: 183 @19120 has 1 MA's), (227, 19207), (233, 19222), (257, 19270), (271, 19309), (306, 19396), (321, 19429), (342, 19465), (354, 19495), (356, 19501), (400, 19570), (424, 19600), (428, 19612), (429, 19615), (456, 19672), (517, 19804), (520, 19810), (547, 19876), (549, 19882), (556, 19906), (573, 19954), (584, 19978), (589, 19987), (616, 20062), (671, 20113), (678, 20128), (736, 20290), (742, 20317), (751, 20347), (780, 20452), (815, 20530), (822, 20566), (824, 20575), (833, 20608), (838, 20623),

Gene: CactusJack_19 Start: 16273, Stop: 18009, Start Num: 82

Candidate Starts for CactusJack_19:

(Start: 71 @16249 has 2 MA's), (Start: 82 @16273 has 44 MA's), (128, 16333), (136, 16354), (138, 16357), (Start: 195 @16477 has 39 MA's), (213, 16516), (232, 16549), (244, 16573), (296, 16693), (306, 16732), (309, 16738), (351, 16822), (352, 16828), (356, 16840), (365, 16864), (379, 16891), (400, 16909), (417, 16948), (420, 16954), (430, 16978), (456, 17032), (461, 17044), (463, 17053), (490, 17113), (526, 17191), (541, 17230), (554, 17263), (573, 17329), (584, 17353), (594, 17377), (605, 17407), (682, 17521), (689, 17533), (692, 17542), (695, 17551), (734, 17659), (755, 17743), (787, 17842), (824, 17950), (838, 17998),

Gene: CactusRose_26 Start: 21034, Stop: 22836, Start Num: 109

Candidate Starts for CactusRose_26:

(Start: 109 @21034 has 207 MA's), (Start: 124 @21055 has 4 MA's), (Start: 146 @21097 has 1 MA's), (171, 21142), (264, 21358), (283, 21403), (289, 21412), (321, 21502), (365, 21598), (413, 21700), (449, 21769), (549, 21970), (551, 21973), (556, 21994), (596, 22090), (597, 22093), (599, 22099), (623, 22168), (628, 22186), (630, 22195), (639, 22225), (681, 22321), (693, 22354), (698, 22369), (713, 22399), (745, 22510), (760, 22567), (794, 22678),

Gene: Caelakin_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Caelakin_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Cain_22 Start: 16338, Stop: 18104, Start Num: 79

Candidate Starts for Cain_22:

(Start: 75 @16329 has 25 MA's), (Start: 79 @16338 has 139 MA's), (101, 16368), (Start: 175 @16494 has 47 MA's), (179, 16509), (184, 16527), (Start: 196 @16560 has 7 MA's), (210, 16590), (227, 16635), (266, 16725), (283, 16761), (310, 16839), (315, 16848), (356, 16932), (359, 16941), (363, 16953), (365, 16956), (373, 16974), (384, 16995), (393, 17010), (395, 17022), (399, 17028), (412, 17070), (418, 17076), (525, 17259), (548, 17319), (583, 17403), (593, 17421), (612, 17481), (636, 17556), (645, 17580), (681, 17640), (693, 17673), (694, 17676), (701, 17694), (718, 17715), (745, 17790), (759, 17841), (760, 17847), (769, 17868), (795, 17940), (815, 17991), (834, 18075), (835, 18078), (843, 18096),

Gene: CallaLilly_24 Start: 17111, Stop: 18877, Start Num: 79

Candidate Starts for CallaLilly_24:

(Start: 79 @17111 has 139 MA's), (101, 17141), (184, 17300), (Start: 196 @17333 has 7 MA's), (210, 17363), (221, 17396), (227, 17408), (266, 17498), (288, 17540), (310, 17612), (315, 17621), (338, 17660), (356, 17705), (363, 17726), (365, 17729), (393, 17783), (399, 17801), (412, 17843), (418, 17849), (430, 17876), (515, 18014), (525, 18032), (541, 18074), (548, 18092), (558, 18122), (573, 18149), (612, 18254), (681, 18413), (694, 18449), (706, 18479), (718, 18488), (745, 18563), (759, 18614), (824, 18809), (834, 18848), (835, 18851), (843, 18869),

Gene: Calvinny_30 Start: 20460, Stop: 22256, Start Num: 108

Candidate Starts for Calvinny_30:

(Start: 108 @20460 has 545 MA's), (Start: 146 @20517 has 1 MA's), (154, 20532), (179, 20586), (Start: 183 @20601 has 1 MA's), (227, 20688), (232, 20700), (233, 20703), (264, 20778), (Start: 268 @20793 has 11 MA's), (373, 21036), (449, 21189), (495, 21276), (540, 21369), (549, 21390), (556, 21414), (559, 21426), (563, 21432), (597, 21513), (623, 21588), (628, 21606), (630, 21615), (637, 21639), (639, 21645), (645, 21660), (653, 21684), (680, 21738), (681, 21741), (689, 21762), (792, 22092), (794, 22098), (833, 22233),

Gene: Cambiare_19 Start: 17379, Stop: 19118, Start Num: 97

Candidate Starts for Cambiare_19:

(Start: 75 @17370 has 25 MA's), (Start: 97 @17379 has 44 MA's), (Start: 120 @17409 has 4 MA's), (154, 17472), (155, 17475), (167, 17493), (179, 17526), (Start: 195 @17574 has 39 MA's), (Start: 196 @17577 has 7 MA's), (264, 17733), (Start: 268 @17748 has 11 MA's), (304, 17838), (322, 17880), (359, 17958), (399, 18054), (405, 18072), (412, 18096), (418, 18102), (434, 18141), (454, 18177), (479, 18222), (515, 18267), (555, 18363), (556, 18372), (583, 18429), (612, 18507), (623, 18534), (632, 18570), (665, 18624), (693, 18687), (704, 18717), (751, 18822), (756, 18846), (771, 18885), (791, 18936), (835, 19092), (836, 19095),

Gene: Camperdownii_26 Start: 19446, Stop: 21227, Start Num: 108

Candidate Starts for Camperdownii_26:

(Start: 90 @19422 has 8 MA's), (Start: 108 @19446 has 545 MA's), (Start: 112 @19452 has 3 MA's), (Start: 146 @19506 has 1 MA's), (154, 19521), (179, 19575), (184, 19593), (227, 19677), (232, 19689),

(233, 19692), (264, 19767), (Start: 268 @19782 has 11 MA's), (289, 19821), (338, 19938), (373, 20025), (412, 20106), (435, 20154), (449, 20178), (495, 20265), (522, 20310), (551, 20382), (556, 20403), (563, 20421), (597, 20502), (628, 20595), (630, 20604), (637, 20628), (639, 20634), (647, 20658), (681, 20712), (689, 20733), (710, 20784), (719, 20808), (736, 20862), (760, 20958), (792, 21063), (795, 21078), (828, 21186), (833, 21204),

Gene: Camri_18 Start: 16640, Stop: 18403, Start Num: 75

Candidate Starts for Camri_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Camster_19 Start: 16386, Stop: 18122, Start Num: 82

Candidate Starts for Camster_19:

(Start: 71 @16362 has 2 MA's), (Start: 82 @16386 has 44 MA's), (128, 16446), (136, 16467), (138, 16470), (Start: 195 @16590 has 39 MA's), (213, 16629), (232, 16662), (244, 16686), (296, 16806), (306, 16845), (309, 16851), (351, 16935), (352, 16941), (356, 16953), (365, 16977), (379, 17004), (400, 17022), (417, 17061), (420, 17067), (430, 17091), (456, 17145), (461, 17157), (463, 17166), (490, 17226), (526, 17304), (541, 17343), (554, 17376), (573, 17442), (578, 17457), (584, 17466), (594, 17490), (605, 17520), (610, 17532), (682, 17634), (689, 17646), (691, 17649), (692, 17655), (695, 17664), (734, 17772), (755, 17856), (787, 17955), (824, 18063), (838, 18111),

Gene: Candra_31 Start: 20012, Stop: 21784, Start Num: 108

Candidate Starts for Candra_31:

(65, 19946), (Start: 90 @19988 has 8 MA's), (Start: 108 @20012 has 545 MA's), (233, 20249), (262, 20321), (264, 20324), (Start: 268 @20339 has 11 MA's), (289, 20378), (292, 20384), (338, 20495), (341, 20501), (356, 20540), (373, 20582), (399, 20621), (412, 20663), (413, 20666), (495, 20822), (557, 20963), (563, 20978), (597, 21059), (639, 21191), (698, 21317), (720, 21368), (724, 21377), (735, 21416), (736, 21419), (738, 21431), (760, 21515), (792, 21620), (794, 21626), (833, 21761),

Gene: Capricorn_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Capricorn_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: CaptainKirk2_19 Start: 16674, Stop: 18320, Start Num: 175

Candidate Starts for CaptainKirk2_19:

(156, 16638), (Start: 175 @16674 has 47 MA's), (213, 16776), (250, 16848), (253, 16854), (254, 16857), (294, 16953), (304, 16992), (345, 17073), (364, 17127), (370, 17142), (422, 17238), (456, 17313), (466, 17343), (549, 17526), (556, 17550), (604, 17694), (608, 17706), (661, 17766), (712, 17898), (713, 17901), (742, 18000), (747, 18018), (760, 18069), (780, 18135), (808, 18198), (813, 18210),

Gene: CaptainTrips_17 Start: 15501, Stop: 17210, Start Num: 87

Candidate Starts for CaptainTrips_17:

(Start: 87 @15501 has 207 MA's), (150, 15588), (Start: 175 @15633 has 47 MA's), (182, 15657), (187, 15678), (230, 15762), (233, 15768), (242, 15786), (257, 15816), (300, 15921), (323, 15981), (338, 16002), (342, 16011), (351, 16029), (352, 16035), (420, 16161), (427, 16176), (429, 16182), (445, 16218), (448, 16221), (455, 16233), (456, 16239), (474, 16287), (480, 16299), (484, 16305), (515, 16365), (522, 16377), (538, 16413), (541, 16425), (571, 16500), (573, 16509), (581, 16527), (584, 16533), (596, 16563), (667, 16668), (671, 16677), (673, 16680), (687, 16716), (716, 16794), (744, 16893), (751, 16914), (759, 16947), (768, 16977), (776, 17007), (779, 17016), (781, 17022), (792, 17037), (793, 17040), (800, 17064), (813, 17094), (817, 17106), (822, 17136), (833, 17178),

Gene: Caraxes_27 Start: 18835, Stop: 20625, Start Num: 108

Candidate Starts for Caraxes_27:

(65, 18769), (Start: 90 @18811 has 8 MA's), (Start: 108 @18835 has 545 MA's), (Start: 124 @18844 has 4 MA's), (189, 18988), (232, 19069), (233, 19072), (262, 19144), (264, 19147), (Start: 268 @19162 has 11 MA's), (289, 19201), (292, 19207), (338, 19318), (341, 19324), (352, 19351), (373, 19405), (412, 19486), (413, 19489), (495, 19645), (513, 19675), (549, 19759), (563, 19801), (583, 19852), (597, 19882), (637, 20008), (660, 20062), (674, 20089), (678, 20098), (681, 20110), (693, 20143), (698, 20158), (710, 20182), (735, 20257), (736, 20260), (738, 20272), (760, 20356), (792, 20461), (809, 20512), (813, 20521), (833, 20602),

Gene: Carcharodon_18 Start: 14989, Stop: 16698, Start Num: 91

Candidate Starts for Carcharodon_18:

(Start: 91 @14989 has 42 MA's), (115, 15016), (Start: 175 @15121 has 47 MA's), (178, 15133), (190, 15169), (213, 15220), (230, 15250), (233, 15256), (247, 15283), (251, 15289), (300, 15409), (320, 15463), (323, 15469), (337, 15487), (342, 15499), (343, 15502), (352, 15523), (368, 15565), (396, 15598), (420, 15649), (427, 15664), (445, 15706), (455, 15721), (456, 15727), (474, 15775), (486, 15799), (497, 15829), (515, 15853), (541, 15913), (546, 15925), (564, 15979), (571, 15988), (595, 16048), (596, 16051), (667, 16156), (671, 16165), (687, 16204), (735, 16342), (775, 16492), (776, 16495), (779, 16504), (792, 16525), (800, 16552), (815, 16588), (838, 16681),

Gene: Cardigan_47 Start: 30787, Stop: 32481, Start Num: 106

Candidate Starts for Cardigan_47:

(Start: 106 @30787 has 2 MA's), (144, 30853), (Start: 147 @30859 has 45 MA's), (176, 30916), (244, 31075), (251, 31087), (301, 31213), (319, 31261), (427, 31411), (453, 31462), (456, 31474), (458, 31480), (522, 31621), (529, 31636), (625, 31903), (711, 32032), (713, 32038), (715, 32047), (736, 32110), (745, 32149), (748, 32158), (760, 32206), (783, 32281), (812, 32341), (823, 32389), (830, 32416), (832, 32425), (833, 32428),

Gene: Carlyle_29 Start: 21914, Stop: 23716, Start Num: 109

Candidate Starts for Carlyle_29:

(Start: 109 @21914 has 207 MA's), (Start: 124 @21935 has 4 MA's), (Start: 146 @21977 has 1 MA's), (171, 22022), (264, 22238), (283, 22283), (289, 22292), (301, 22331), (321, 22382), (322, 22385), (413, 22580), (449, 22649), (549, 22850), (551, 22853), (556, 22874), (596, 22970), (597, 22973), (599, 22979), (623, 23048), (628, 23066), (639, 23105), (681, 23201), (693, 23234), (698, 23249), (745, 23390), (760, 23447), (794, 23558), (840, 23711),

Gene: CarolAnn_19 Start: 16617, Stop: 18263, Start Num: 175

Candidate Starts for CarolAnn_19:

(156, 16581), (Start: 175 @16617 has 47 MA's), (213, 16719), (253, 16797), (254, 16800), (294, 16896), (304, 16935), (345, 17016), (364, 17070), (370, 17085), (456, 17256), (466, 17286), (549, 17469), (556, 17493), (571, 17544), (604, 17637), (608, 17649), (626, 17694), (661, 17709), (712, 17841), (713, 17844), (742, 17943), (747, 17961), (760, 18012), (778, 18072), (780, 18078), (808, 18141), (813, 18153),

Gene: CaseJules_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for CaseJules_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: CassieYates_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for CassieYates_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Catdawg_56 Start: 33524, Stop: 35260, Start Num: 74

Candidate Starts for Catdawg_56:

(Start: 69 @33515 has 2 MA's), (Start: 74 @33524 has 26 MA's), (134, 33614), (187, 33731), (203, 33767), (214, 33788), (230, 33815), (233, 33821), (261, 33875), (281, 33926), (342, 34064), (344, 34070), (363, 34121), (365, 34124), (374, 34142), (420, 34193), (429, 34214), (430, 34217), (455, 34265), (456, 34271), (474, 34319), (477, 34325), (480, 34331), (504, 34391), (515, 34415), (517, 34418), (538, 34463), (542, 34478), (546, 34487), (549, 34496), (564, 34541), (573, 34559), (589, 34592), (673, 34730), (680, 34751), (706, 34817), (717, 34847), (734, 34901), (744, 34943), (751, 34964), (755, 34985), (759, 34997), (765, 35018), (781, 35072), (815, 35150), (822, 35186), (827, 35207), (834, 35234),

Gene: Catfish_22 Start: 18471, Stop: 19802, Start Num: 268

Candidate Starts for Catfish_22:

(Start: 268 @18471 has 11 MA's), (330, 18603), (346, 18633), (367, 18690), (392, 18723), (419, 18792), (427, 18810), (462, 18891), (523, 18930), (549, 18996), (553, 19005), (560, 19014), (586, 19071), (604, 19116), (610, 19134), (623, 19170), (648, 19251), (666, 19287), (751, 19506), (767, 19566), (796, 19647), (801, 19662), (813, 19692), (816, 19701),

Gene: Caviar_28 Start: 20455, Stop: 22254, Start Num: 108

Candidate Starts for Caviar_28:

(Start: 108 @20455 has 545 MA's), (Start: 146 @20515 has 1 MA's), (179, 20584), (227, 20686), (232, 20698), (233, 20701), (264, 20776), (Start: 268 @20791 has 11 MA's), (289, 20830), (347, 20965), (373, 21034), (430, 21148), (495, 21274), (549, 21388), (556, 21412), (559, 21424), (563, 21430), (597, 21511), (623, 21586), (628, 21604), (630, 21613), (637, 21637), (639, 21643), (645, 21658), (662, 21691), (680, 21736), (681, 21739), (689, 21760), (736, 21889), (760, 21985), (792, 22090), (794, 22096), (833, 22231),

Gene: Cedasite_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Cedasite_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Centaur_30 Start: 20653, Stop: 22425, Start Num: 108

Candidate Starts for Centaur_30:

(Start: 90 @20629 has 8 MA's), (Start: 108 @20653 has 545 MA's), (Start: 183 @20788 has 1 MA's), (232, 20887), (233, 20890), (262, 20962), (264, 20965), (289, 21019), (292, 21025), (310, 21088), (338, 21136), (352, 21169), (373, 21223), (412, 21304), (413, 21307), (430, 21337), (513, 21493), (551, 21580), (597, 21700), (636, 21823), (637, 21826), (639, 21832), (669, 21880), (693, 21943), (698, 21958), (701, 21964), (724, 22018), (735, 22057), (738, 22072), (747, 22105), (759, 22150), (792, 22261), (794, 22267), (813, 22321),

Gene: CentreCat_27 Start: 19828, Stop: 21606, Start Num: 108

Candidate Starts for CentreCat_27:

(Start: 90 @19804 has 8 MA's), (Start: 108 @19828 has 545 MA's), (Start: 146 @19885 has 1 MA's), (Start: 175 @19939 has 47 MA's), (179, 19954), (184, 19972), (227, 20056), (232, 20068), (233, 20071), (264, 20146), (Start: 268 @20161 has 11 MA's), (289, 20200), (338, 20317), (373, 20404), (412, 20485), (435, 20533), (449, 20557), (495, 20644), (522, 20689), (551, 20761), (556, 20782), (563, 20800), (597, 20881), (628, 20974), (630, 20983), (637, 21007), (639, 21013), (647, 21037), (681, 21091), (689, 21112), (710, 21163), (719, 21187), (736, 21241), (760, 21337), (792, 21442), (795, 21457), (828, 21565), (833, 21583),

Gene: Cerasum_17 Start: 14635, Stop: 16344, Start Num: 87

Candidate Starts for Cerasum_17:

(Start: 87 @14635 has 207 MA's), (150, 14722), (Start: 175 @14767 has 47 MA's), (182, 14791), (230, 14896), (233, 14902), (242, 14920), (257, 14950), (300, 15055), (323, 15115), (338, 15136), (342, 15145), (352, 15169), (396, 15244), (398, 15247), (420, 15295), (427, 15310), (429, 15316), (445, 15352), (448, 15355), (455, 15367), (456, 15373), (474, 15421), (480, 15433), (484, 15439), (515, 15499), (522, 15511), (538, 15547), (541, 15559), (571, 15634), (573, 15643), (581, 15661), (584, 15667), (596, 15697), (667, 15802), (671, 15811), (673, 15814), (687, 15850), (716, 15928), (744, 16027), (751, 16048), (759, 16081), (768, 16111), (776, 16141), (779, 16150), (781, 16156), (792, 16171), (793, 16174), (800, 16198), (813, 16228), (817, 16240), (822, 16270), (833, 16312),

Gene: Cerulean_28 Start: 20139, Stop: 21920, Start Num: 108

Candidate Starts for Cerulean_28:

(Start: 90 @20115 has 8 MA's), (Start: 108 @20139 has 545 MA's), (Start: 112 @20145 has 3 MA's), (Start: 146 @20199 has 1 MA's), (154, 20214), (179, 20268), (184, 20286), (227, 20370), (232, 20382), (233, 20385), (264, 20460), (Start: 268 @20475 has 11 MA's), (289, 20514), (338, 20631), (373, 20718), (412, 20799), (435, 20847), (449, 20871), (495, 20958), (522, 21003), (551, 21075), (556, 21096), (563, 21114), (597, 21195), (623, 21270), (628, 21288), (630, 21297), (637, 21321), (639, 21327), (647, 21351), (678, 21393), (681, 21405), (689, 21426), (710, 21477), (719, 21501), (736, 21555), (760, 21651), (792, 21756), (795, 21771), (828, 21879), (833, 21897),

Gene: Chadwick_25 Start: 18946, Stop: 20745, Start Num: 108

Candidate Starts for Chadwick_25:

(Start: 108 @18946 has 545 MA's), (233, 19183), (264, 19258), (Start: 268 @19273 has 11 MA's), (288, 19309), (310, 19381), (318, 19396), (338, 19429), (341, 19435), (430, 19630), (441, 19660), (446, 19666), (495, 19756), (522, 19801), (549, 19870), (563, 19912), (569, 19930), (596, 19990), (597, 19993), (628, 20086), (680, 20227), (693, 20263), (791, 20578), (794, 20587), (833, 20722),

Gene: ChampagnePapi_28 Start: 20138, Stop: 21919, Start Num: 108

Candidate Starts for ChampagnePapi_28:

(Start: 90 @20114 has 8 MA's), (Start: 108 @20138 has 545 MA's), (Start: 112 @20144 has 3 MA's), (Start: 146 @20198 has 1 MA's), (154, 20213), (179, 20267), (184, 20285), (227, 20369), (232, 20381), (233, 20384), (264, 20459), (Start: 268 @20474 has 11 MA's), (289, 20513), (338, 20630), (373,

20717), (412, 20798), (435, 20846), (449, 20870), (495, 20957), (522, 21002), (551, 21074), (556, 21095), (563, 21113), (597, 21194), (623, 21269), (628, 21287), (630, 21296), (637, 21320), (639, 21326), (647, 21350), (678, 21392), (681, 21404), (689, 21425), (710, 21476), (719, 21500), (736, 21554), (760, 21650), (792, 21755), (795, 21770), (828, 21878), (833, 21896),

Gene: Chanagan_26 Start: 20699, Stop: 22501, Start Num: 109

Candidate Starts for Chanagan_26:

(Start: 109 @20699 has 207 MA's), (Start: 124 @20720 has 4 MA's), (Start: 146 @20762 has 1 MA's), (171, 20807), (264, 21023), (283, 21068), (289, 21077), (301, 21116), (321, 21167), (322, 21170), (365, 21263), (413, 21365), (449, 21434), (549, 21635), (551, 21638), (556, 21659), (596, 21755), (597, 21758), (599, 21764), (623, 21833), (628, 21851), (630, 21860), (639, 21890), (681, 21986), (693, 22019), (698, 22034), (745, 22175), (760, 22232), (794, 22343),

Gene: Chance64_18 Start: 16640, Stop: 18403, Start Num: 75

Candidate Starts for Chance64_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Chancellor_24 Start: 18633, Stop: 20420, Start Num: 79

Candidate Starts for Chancellor_24:

(Start: 62 @18594 has 1 MA's), (Start: 75 @18624 has 25 MA's), (Start: 78 @18630 has 41 MA's), (Start: 79 @18633 has 139 MA's), (129, 18690), (154, 18738), (Start: 175 @18777 has 47 MA's), (179, 18792), (184, 18810), (Start: 196 @18843 has 7 MA's), (210, 18873), (227, 18918), (234, 18936), (266, 19008), (Start: 268 @19014 has 11 MA's), (283, 19044), (306, 19110), (310, 19122), (373, 19257), (395, 19305), (399, 19311), (405, 19329), (418, 19359), (434, 19398), (515, 19524), (541, 19584), (542, 19587), (549, 19605), (555, 19620), (612, 19788), (630, 19842), (645, 19887), (668, 19932), (681, 19956), (693, 19989), (706, 20022), (742, 20094), (745, 20106), (759, 20157), (760, 20163), (798, 20265), (834, 20391), (843, 20412),

Gene: Changeling_30 Start: 22020, Stop: 23792, Start Num: 108

Candidate Starts for Changeling_30:

(Start: 90 @21996 has 8 MA's), (Start: 108 @22020 has 545 MA's), (232, 22254), (233, 22257), (262, 22329), (264, 22332), (289, 22386), (301, 22425), (338, 22503), (373, 22590), (412, 22671), (413, 22674), (513, 22860), (549, 22944), (551, 22947), (563, 22986), (583, 23037), (592, 23052), (597, 23067), (639, 23199), (669, 23247), (689, 23298), (693, 23310), (698, 23325), (701, 23331), (724, 23385), (738, 23439), (760, 23523), (780, 23589), (784, 23601), (792, 23628), (794, 23634),

Gene: Chaph_27 Start: 19836, Stop: 21614, Start Num: 108

Candidate Starts for Chaph_27:

(Start: 90 @19812 has 8 MA's), (Start: 108 @19836 has 545 MA's), (Start: 146 @19893 has 1 MA's), (Start: 175 @19947 has 47 MA's), (179, 19962), (184, 19980), (227, 20064), (232, 20076), (233, 20079), (264, 20154), (Start: 268 @20169 has 11 MA's), (289, 20208), (338, 20325), (373, 20412), (412, 20493), (435, 20541), (449, 20565), (495, 20652), (522, 20697), (551, 20769), (556, 20790), (563, 20808), (597, 20889), (628, 20982), (630, 20991), (637, 21015), (639, 21021), (647, 21045), (681, 21099), (689, 21120), (710, 21171), (719, 21195), (736, 21249), (760, 21345), (792, 21450), (795, 21465), (828, 21573), (833, 21591),

Gene: Chargerpower_29 Start: 19510, Stop: 21282, Start Num: 108

Candidate Starts for Chargerpower_29:

(Start: 105 @19507 has 8 MA's), (Start: 108 @19510 has 545 MA's), (171, 19606), (192, 19666), (205, 19699), (233, 19747), (251, 19789), (262, 19819), (264, 19822), (289, 19876), (292, 19882), (338, 19993), (356, 20038), (359, 20047), (373, 20080), (413, 20164), (441, 20224), (540, 20413), (563, 20476), (637, 20683), (669, 20737), (681, 20767), (683, 20776), (698, 20815), (710, 20839), (735, 20914), (736, 20917), (738, 20929), (792, 21118), (794, 21124), (809, 21169), (833, 21259),

Gene: Charlie_18 Start: 14989, Stop: 16698, Start Num: 91

Candidate Starts for Charlie_18:

(Start: 91 @14989 has 42 MA's), (115, 15016), (Start: 175 @15121 has 47 MA's), (178, 15133), (190, 15169), (213, 15220), (230, 15250), (233, 15256), (247, 15283), (251, 15289), (300, 15409), (320, 15463), (323, 15469), (337, 15487), (342, 15499), (343, 15502), (352, 15523), (368, 15565), (396, 15598), (420, 15649), (427, 15664), (445, 15706), (455, 15721), (456, 15727), (474, 15775), (486, 15799), (497, 15829), (515, 15853), (541, 15913), (546, 15925), (564, 15979), (571, 15988), (595, 16048), (596, 16051), (667, 16156), (671, 16165), (687, 16204), (735, 16342), (775, 16492), (776, 16495), (779, 16504), (792, 16525), (800, 16552), (815, 16588), (838, 16681),

Gene: Charm_28 Start: 19700, Stop: 21490, Start Num: 108

Candidate Starts for Charm_28:

(65, 19634), (Start: 90 @19676 has 8 MA's), (Start: 108 @19700 has 545 MA's), (232, 19934), (233, 19937), (262, 20009), (264, 20012), (269, 20030), (289, 20066), (292, 20072), (306, 20123), (318, 20150), (321, 20156), (338, 20183), (341, 20189), (373, 20270), (412, 20351), (413, 20354), (441, 20414), (540, 20603), (563, 20666), (583, 20717), (597, 20747), (637, 20873), (681, 20975), (683, 20984), (693, 21008), (698, 21023), (710, 21047), (735, 21122), (738, 21137), (760, 21221), (792, 21326), (794, 21332), (813, 21386), (824, 21434),

Gene: Chartreuse_31 Start: 19923, Stop: 21695, Start Num: 108

Candidate Starts for Chartreuse_31:

(65, 19857), (Start: 90 @19899 has 8 MA's), (Start: 108 @19923 has 545 MA's), (208, 20121), (233, 20160), (262, 20232), (264, 20235), (269, 20253), (289, 20289), (292, 20295), (338, 20406), (341, 20412), (356, 20451), (373, 20493), (399, 20532), (412, 20574), (413, 20577), (441, 20637), (557, 20874), (563, 20889), (597, 20970), (639, 21102), (698, 21228), (720, 21279), (724, 21288), (735, 21327), (736, 21330), (738, 21342), (760, 21426), (792, 21531), (794, 21537), (833, 21672),

Gene: Che12_30 Start: 19088, Stop: 20878, Start Num: 108

Candidate Starts for Che12_30:

(Start: 90 @19064 has 8 MA's), (Start: 108 @19088 has 545 MA's), (189, 19241), (232, 19322), (233, 19325), (264, 19400), (Start: 268 @19415 has 11 MA's), (289, 19454), (292, 19460), (338, 19571), (341, 19577), (352, 19604), (373, 19658), (412, 19739), (413, 19742), (495, 19898), (513, 19928), (563, 20054), (583, 20105), (592, 20120), (597, 20135), (637, 20261), (674, 20342), (678, 20351), (693, 20396), (698, 20411), (710, 20435), (735, 20510), (736, 20513), (738, 20525), (760, 20609), (792, 20714), (813, 20774), (833, 20855),

Gene: Che8_16 Start: 14833, Stop: 16542, Start Num: 87

Candidate Starts for Che8_16:

(Start: 87 @14833 has 207 MA's), (150, 14920), (161, 14941), (Start: 175 @14965 has 47 MA's), (182, 14989), (187, 15010), (230, 15094), (233, 15100), (242, 15118), (257, 15148), (300, 15253), (323, 15313), (338, 15334), (342, 15343), (351, 15361), (352, 15367), (396, 15442), (420, 15493), (427, 15508), (429, 15514), (445, 15550), (448, 15553), (455, 15565), (456, 15571), (474, 15619), (480, 15631), (484, 15637), (515, 15697), (522, 15709), (538, 15745), (541, 15757), (571, 15832), (573, 15841), (581, 15859), (584, 15865), (596, 15895), (667, 16000), (671, 16009), (673, 16012), (687, 16048), (700, 16084), (701, 16087), (716, 16126), (744, 16225), (751, 16246), (759, 16279), (768, 16309), (775, 16336), (776, 16339), (779, 16348), (781, 16354), (792, 16369), (793, 16372), (798, 16393), (800, 16396), (817, 16438), (822, 16468), (833, 16510),

Gene: CheetoDust_23 Start: 17165, Stop: 18931, Start Num: 79

Candidate Starts for CheetoDust_23:

(Start: 79 @17165 has 139 MA's), (101, 17195), (184, 17354), (Start: 196 @17387 has 7 MA's), (210, 17417), (221, 17450), (227, 17462), (266, 17552), (288, 17594), (310, 17666), (315, 17675), (338, 17714), (356, 17759), (363, 17780), (365, 17783), (393, 17837), (399, 17855), (412, 17897), (418, 17903), (430, 17930), (515, 18068), (525, 18086), (541, 18128), (548, 18146), (558, 18176), (573, 18203), (612, 18308), (681, 18467), (694, 18503), (706, 18533), (718, 18542), (745, 18617), (759, 18668), (824, 18863), (834, 18902), (835, 18905), (843, 18923),

Gene: Cheetobro_24 Start: 18630, Stop: 20417, Start Num: 79

Candidate Starts for Cheetobro_24:

(Start: 62 @18591 has 1 MA's), (Start: 75 @18621 has 25 MA's), (Start: 78 @18627 has 41 MA's), (Start: 79 @18630 has 139 MA's), (129, 18687), (154, 18735), (Start: 175 @18774 has 47 MA's), (179, 18789), (184, 18807), (Start: 196 @18840 has 7 MA's), (210, 18870), (227, 18915), (234, 18933), (266, 19005), (Start: 268 @19011 has 11 MA's), (283, 19041), (306, 19107), (310, 19119), (373, 19254), (395, 19302), (399, 19308), (405, 19326), (418, 19356), (434, 19395), (515, 19521), (541, 19581), (542, 19584), (549, 19602), (555, 19617), (612, 19785), (630, 19839), (645, 19884), (668, 19929), (681, 19953), (693, 19986), (706, 20019), (742, 20091), (745, 20103), (759, 20154), (760, 20160), (798, 20262), (834, 20388), (843, 20409),

Gene: Cherrybomb426_18 Start: 16640, Stop: 18403, Start Num: 75

Candidate Starts for Cherrybomb426_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Chevrolet_16 Start: 14845, Stop: 16554, Start Num: 87

Candidate Starts for Chevrolet_16:

(Start: 87 @14845 has 207 MA's), (150, 14932), (Start: 175 @14977 has 47 MA's), (182, 15001), (230, 15106), (233, 15112), (242, 15130), (257, 15160), (300, 15265), (323, 15325), (338, 15346), (342, 15355), (351, 15373), (352, 15379), (396, 15454), (402, 15466), (408, 15481), (410, 15487), (420, 15505), (427, 15520), (429, 15526), (436, 15547), (445, 15562), (448, 15565), (455, 15577), (456, 15583), (474, 15631), (480, 15643), (484, 15649), (515, 15709), (522, 15721), (538, 15757), (541, 15769), (542, 15772), (549, 15790), (571, 15844), (573, 15853), (581, 15871), (584, 15877), (667, 16012), (671, 16021), (673, 16024), (687, 16060), (701, 16099), (716, 16138), (744, 16237), (751, 16258), (759, 16291), (768, 16321), (776, 16351), (778, 16357), (779, 16360), (781, 16366), (792, 16381), (793, 16384), (800, 16408), (817, 16450), (833, 16522), (834, 16528),

Gene: Chewbacca_18 Start: 14989, Stop: 16698, Start Num: 91

Candidate Starts for Chewbacca_18:

(Start: 91 @14989 has 42 MA's), (115, 15016), (Start: 175 @15121 has 47 MA's), (178, 15133), (190, 15169), (213, 15220), (230, 15250), (233, 15256), (247, 15283), (251, 15289), (300, 15409), (320, 15463), (323, 15469), (337, 15487), (342, 15499), (343, 15502), (352, 15523), (368, 15565), (396, 15598), (420, 15649), (427, 15664), (445, 15706), (455, 15721), (456, 15727), (474, 15775), (486, 15799), (497, 15829), (515, 15853), (541, 15913), (546, 15925), (564, 15979), (571, 15988), (595, 16048), (596, 16051), (667, 16156), (671, 16165), (687, 16204), (735, 16342), (775, 16492), (776, 16495), (779, 16504), (792, 16525), (800, 16552), (815, 16588), (838, 16681),

Gene: ChewyVIII_56 Start: 38189, Stop: 39760, Start Num: 197

Candidate Starts for ChewyVIII_56:

(Start: 175 @38114 has 47 MA's), (Start: 197 @38189 has 1 MA's), (252, 38300), (263, 38333), (291, 38396), (350, 38519), (359, 38549), (369, 38573), (395, 38606), (405, 38630), (440, 38702), (470, 38753), (499, 38810), (523, 38864), (542, 38915), (607, 39083), (623, 39125), (662, 39227), (713, 39338), (728, 39386), (751, 39467), (760, 39506), (791, 39581), (796, 39599), (799, 39611), (822, 39686), (825, 39698), (830, 39716),

Gene: Chickadee_32 Start: 27527, Stop: 29146, Start Num: 125

Candidate Starts for Chickadee_32:

(Start: 125 @27527 has 11 MA's), (136, 27548), (173, 27611), (227, 27734), (232, 27746), (257, 27803), (292, 27881), (343, 28004), (430, 28118), (443, 28148), (462, 28190), (490, 28253), (515, 28301), (520, 28310), (541, 28361), (558, 28409), (622, 28574), (667, 28604), (706, 28703), (711, 28712), (712, 28715), (727, 28760), (740, 28817), (742, 28823), (743, 28829), (756, 28877), (759, 28886), (760, 28892), (761, 28895), (776, 28946), (795, 28991), (818, 29060), (830, 29108), (833, 29120),

Gene: ChickenDinner_17 Start: 14677, Stop: 16386, Start Num: 87

Candidate Starts for ChickenDinner_17:

(Start: 87 @14677 has 207 MA's), (150, 14764), (Start: 175 @14809 has 47 MA's), (182, 14833), (230, 14938), (233, 14944), (242, 14962), (247, 14971), (257, 14992), (300, 15097), (323, 15157), (329, 15166), (338, 15178), (342, 15187), (352, 15211), (365, 15247), (368, 15253), (374, 15265), (396, 15286), (398, 15289), (402, 15298), (408, 15313), (410, 15319), (420, 15337), (427, 15352), (429, 15358), (435, 15376), (436, 15379), (445, 15394), (455, 15409), (456, 15415), (474, 15463), (480, 15475), (484, 15481), (515, 15541), (522, 15553), (526, 15562), (538, 15589), (541, 15601), (571, 15676), (573, 15685), (581, 15703), (584, 15709), (596, 15739), (667, 15844), (671, 15853), (673, 15856), (687, 15892), (716, 15970), (744, 16069), (751, 16090), (759, 16123), (768, 16153), (776, 16183), (778, 16189), (779, 16192), (781, 16198), (792, 16213), (793, 16216), (798, 16237), (800, 16240), (817, 16282), (833, 16354), (834, 16360),

Gene: ChipMunk_30 Start: 20600, Stop: 22372, Start Num: 108

Candidate Starts for ChipMunk_30:

(Start: 90 @20576 has 8 MA's), (Start: 108 @20600 has 545 MA's), (173, 20699), (202, 20783), (232, 20834), (233, 20837), (262, 20909), (264, 20912), (289, 20966), (301, 21005), (338, 21083), (373, 21170), (412, 21251), (413, 21254), (551, 21527), (592, 21632), (597, 21647), (637, 21773), (639, 21779), (669, 21827), (674, 21836), (681, 21857), (693, 21890), (698, 21905), (701, 21911), (724, 21965), (735, 22004), (738, 22019), (760, 22103), (794, 22214),

Gene: Chiqui_26 Start: 20176, Stop: 21975, Start Num: 108

Candidate Starts for Chiqui_26:

(Start: 108 @20176 has 545 MA's), (Start: 146 @20236 has 1 MA's), (179, 20305), (227, 20407), (232, 20419), (233, 20422), (264, 20497), (Start: 268 @20512 has 11 MA's), (269, 20515), (289, 20551), (347, 20686), (373, 20755), (430, 20869), (495, 20995), (549, 21109), (551, 21112), (556, 21133), (563, 21151), (597, 21232), (623, 21307), (628, 21325), (630, 21334), (637, 21358), (639, 21364), (645, 21379), (662, 21412), (680, 21457), (681, 21460), (689, 21481), (693, 21493), (760, 21706), (768, 21730), (792, 21811), (794, 21817), (826, 21928), (833, 21952),

Gene: Chop_22 Start: 17878, Stop: 19584, Start Num: 126

Candidate Starts for Chop_22:

(Start: 69 @17803 has 2 MA's), (Start: 126 @17878 has 16 MA's), (Start: 175 @17971 has 47 MA's), (179, 17986), (181, 17992), (Start: 209 @18067 has 1 MA's), (235, 18139), (286, 18250), (301, 18295), (306, 18313), (310, 18325), (395, 18496), (401, 18505), (403, 18511), (442, 18607), (466, 18658), (546, 18781), (558, 18820), (610, 18952), (647, 19066), (693, 19153), (744, 19267), (747, 19276), (780, 19381), (814, 19468), (843, 19576),

Gene: ChosenOne_23 Start: 18953, Stop: 20632, Start Num: 94

Candidate Starts for ChosenOne_23:

(Start: 94 @18953 has 79 MA's), (Start: 147 @19037 has 45 MA's), (Start: 183 @19115 has 1 MA's), (227, 19202), (233, 19217), (257, 19265), (271, 19304), (306, 19391), (321, 19424), (342, 19460), (354, 19490), (356, 19496), (400, 19565), (424, 19595), (428, 19607), (429, 19610), (456, 19667), (517, 19799), (520, 19805), (547, 19871), (549, 19877), (556, 19901), (573, 19949), (584, 19973), (589, 19982), (616, 20057), (671, 20108), (678, 20123), (736, 20285), (742, 20312), (751, 20342), (780, 20447), (815, 20525), (822, 20561), (824, 20570), (833, 20603), (838, 20618),

Gene: ChotaBhai_24 Start: 19079, Stop: 20674, Start Num: 147

Candidate Starts for ChotaBhai_24:

(Start: 94 @18995 has 79 MA's), (Start: 147 @19079 has 45 MA's), (Start: 183 @19157 has 1 MA's), (227, 19244), (233, 19259), (257, 19307), (271, 19346), (306, 19433), (321, 19466), (342, 19502), (354, 19532), (356, 19538), (400, 19607), (424, 19637), (428, 19649), (429, 19652), (456, 19709), (517, 19841), (520, 19847), (547, 19913), (549, 19919), (556, 19943), (573, 19991), (584, 20015), (589, 20024), (616, 20099), (671, 20150), (678, 20165), (736, 20327), (742, 20354), (751, 20384), (780, 20489), (815, 20567), (822, 20603), (824, 20612), (833, 20645), (838, 20660),

Gene: Chris_22 Start: 16379, Stop: 18145, Start Num: 79

Candidate Starts for Chris_22:

(Start: 62 @16340 has 1 MA's), (Start: 75 @16370 has 25 MA's), (Start: 79 @16379 has 139 MA's), (101, 16409), (Start: 175 @16535 has 47 MA's), (179, 16550), (Start: 196 @16601 has 7 MA's), (221, 16664), (Start: 268 @16772 has 11 MA's), (283, 16802), (310, 16880), (315, 16889), (338, 16928), (357, 16976), (363, 16994), (383, 17033), (384, 17036), (393, 17051), (395, 17063), (399, 17069), (405, 17087), (412, 17111), (418, 17117), (430, 17144), (447, 17180), (515, 17282), (525, 17300), (548, 17360), (593, 17462), (597, 17474), (612, 17522), (622, 17546), (636, 17597), (649, 17636), (681, 17681), (693, 17714), (695, 17720), (706, 17747), (742, 17819), (745, 17831), (759, 17882), (760, 17888), (795, 17981), (815, 18032), (824, 18077), (843, 18137),

Gene: Chuckly_16 Start: 14978, Stop: 16687, Start Num: 87

Candidate Starts for Chuckly_16:

(Start: 87 @14978 has 207 MA's), (150, 15065), (Start: 175 @15110 has 47 MA's), (182, 15134), (230, 15239), (233, 15245), (242, 15263), (257, 15293), (300, 15398), (323, 15458), (338, 15479), (342, 15488), (352, 15512), (396, 15587), (420, 15638), (427, 15653), (429, 15659), (445, 15695), (448, 15698), (455, 15710), (456, 15716), (474, 15764), (480, 15776), (484, 15782), (515, 15842), (522, 15854), (538, 15890), (541, 15902), (571, 15977), (573, 15986), (581, 16004), (584, 16010), (596, 16040), (667, 16145), (671, 16154), (673, 16157), (687, 16193), (716, 16271), (744, 16370), (751, 16391), (759, 16424), (768, 16454), (776, 16484), (779, 16493), (781, 16499), (792, 16514), (793, 16517), (800, 16541), (813, 16571), (817, 16583), (822, 16613), (833, 16655),

Gene: Chupacabra_27 Start: 19785, Stop: 21563, Start Num: 108

Candidate Starts for Chupacabra_27:

(Start: 90 @19761 has 8 MA's), (Start: 108 @19785 has 545 MA's), (Start: 146 @19842 has 1 MA's), (154, 19857), (179, 19911), (227, 20013), (232, 20025), (233, 20028), (264, 20103), (Start: 268 @20118 has 11 MA's), (289, 20157), (338, 20274), (347, 20292), (373, 20361), (410, 20436), (430, 20475), (449, 20514), (495, 20601), (513, 20631), (522, 20646), (540, 20694), (556, 20739), (559, 20751), (563, 20757), (596, 20835), (597, 20838), (628, 20931), (630, 20940), (637, 20964), (639, 20970), (645, 20985), (669, 21018), (689, 21069), (695, 21087), (713, 21126), (714, 21132), (745, 21237), (760, 21294), (768, 21318), (770, 21324), (792, 21399), (794, 21405), (795, 21414), (833, 21540),

Gene: Ciao_27 Start: 21042, Stop: 22844, Start Num: 109

Candidate Starts for Ciao_27:

(Start: 109 @21042 has 207 MA's), (Start: 124 @21063 has 4 MA's), (Start: 146 @21105 has 1 MA's), (171, 21150), (264, 21366), (283, 21411), (289, 21420), (301, 21459), (321, 21510), (322, 21513), (413, 21708), (449, 21777), (549, 21978), (551, 21981), (556, 22002), (596, 22098), (597, 22101), (599, 22107), (623, 22176), (628, 22194), (630, 22203), (639, 22233), (681, 22329), (693, 22362), (698, 22377), (745, 22518), (760, 22575), (794, 22686),

Gene: Cici_27 Start: 19820, Stop: 21619, Start Num: 108

Candidate Starts for Cici_27:

(Start: 90 @19796 has 8 MA's), (Start: 108 @19820 has 545 MA's), (Start: 112 @19826 has 3 MA's), (Start: 146 @19880 has 1 MA's), (179, 19949), (208, 20027), (227, 20051), (233, 20066), (247, 20102), (264, 20141), (Start: 268 @20156 has 11 MA's), (289, 20195), (322, 20288), (338, 20312), (373, 20399), (430, 20513), (449, 20552), (495, 20639), (522, 20684), (549, 20753), (556, 20777), (559, 20789), (597, 20876), (623, 20951), (628, 20969), (630, 20978), (637, 21002), (639, 21008), (645, 21023), (662, 21056), (680, 21101), (681, 21104), (689, 21125), (760, 21350), (784, 21428), (792, 21455), (794, 21461), (833, 21596),

Gene: Cindaradix_26 Start: 19557, Stop: 21350, Start Num: 112

Candidate Starts for Cindaradix_26:

(Start: 90 @19527 has 8 MA's), (Start: 108 @19551 has 545 MA's), (Start: 112 @19557 has 3 MA's), (Start: 146 @19611 has 1 MA's), (179, 19680), (208, 19758), (227, 19782), (233, 19797), (247, 19833), (264, 19872), (Start: 268 @19887 has 11 MA's), (289, 19926), (322, 20019), (338, 20043), (373, 20130), (430, 20244), (449, 20283), (495, 20370), (522, 20415), (549, 20484), (556, 20508), (559, 20520), (597, 20607), (623, 20682), (628, 20700), (630, 20709), (637, 20733), (639, 20739), (645, 20754), (662, 20787), (680, 20832), (681, 20835), (689, 20856), (760, 21081), (792, 21186), (794, 21192), (833, 21327),

Gene: Cintron_27 Start: 19875, Stop: 21653, Start Num: 108

Candidate Starts for Cintron_27:

(Start: 90 @19851 has 8 MA's), (Start: 108 @19875 has 545 MA's), (Start: 146 @19932 has 1 MA's), (Start: 175 @19986 has 47 MA's), (179, 20001), (184, 20019), (227, 20103), (232, 20115), (233, 20118), (264, 20193), (Start: 268 @20208 has 11 MA's), (289, 20247), (338, 20364), (373, 20451), (412, 20532), (435, 20580), (449, 20604), (495, 20691), (522, 20736), (551, 20808), (556, 20829), (563, 20847), (597, 20928), (628, 21021), (630, 21030), (637, 21054), (639, 21060), (647, 21084), (681, 21138), (689, 21159), (710, 21210), (719, 21234), (736, 21288), (760, 21384), (792, 21489), (795, 21504), (828, 21612), (833, 21630),

Gene: Citius_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Citius_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Cjw1_24 Start: 20668, Stop: 22185, Start Num: 183

Candidate Starts for Cjw1_24:

(Start: 94 @20506 has 79 MA's), (Start: 147 @20590 has 45 MA's), (Start: 183 @20668 has 1 MA's), (227, 20755), (233, 20770), (257, 20818), (271, 20857), (306, 20944), (321, 20977), (342, 21013), (354, 21043), (356, 21049), (400, 21118), (424, 21148), (428, 21160), (429, 21163), (456, 21220), (517, 21352), (520, 21358), (547, 21424), (549, 21430), (556, 21454), (573, 21502), (584, 21526),

(589, 21535), (616, 21610), (671, 21661), (678, 21676), (736, 21838), (742, 21865), (751, 21895), (780, 22000), (815, 22078), (822, 22114), (824, 22123), (833, 22156), (838, 22171),

Gene: Clap_17 Start: 14758, Stop: 16467, Start Num: 195

Candidate Starts for Clap_17:

(Start: 195 @14758 has 39 MA's), (244, 14875), (301, 15025), (319, 15064), (328, 15079), (359, 15148), (363, 15160), (405, 15238), (406, 15241), (462, 15373), (487, 15427), (516, 15508), (541, 15568), (543, 15574), (546, 15580), (576, 15661), (592, 15697), (604, 15733), (610, 15751), (625, 15790), (647, 15862), (655, 15886), (742, 16120), (746, 16135), (757, 16177), (785, 16270), (787, 16273), (797, 16321), (810, 16351),

Gene: Clarenza_27 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for Clarenza_27:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (736, 21237), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: Clark_20 Start: 17346, Stop: 18926, Start Num: 194

Candidate Starts for Clark_20:

(149, 17229), (Start: 194 @17346 has 87 MA's), (310, 17604), (321, 17625), (351, 17679), (363, 17718), (397, 17775), (405, 17796), (518, 17967), (527, 17985), (537, 18009), (543, 18030), (564, 18072), (592, 18153), (623, 18243), (635, 18288), (655, 18345), (662, 18348), (682, 18402), (716, 18492), (796, 18771), (797, 18780), (810, 18810),

Gene: Clifton_16 Start: 14762, Stop: 16471, Start Num: 87

Candidate Starts for Clifton_16:

(Start: 87 @14762 has 207 MA's), (150, 14849), (Start: 175 @14894 has 47 MA's), (182, 14918), (230, 15023), (233, 15029), (242, 15047), (257, 15077), (300, 15182), (323, 15242), (338, 15263), (342, 15272), (352, 15296), (420, 15422), (427, 15437), (429, 15443), (445, 15479), (448, 15482), (455, 15494), (456, 15500), (474, 15548), (480, 15560), (484, 15566), (515, 15626), (522, 15638), (538, 15674), (541, 15686), (571, 15761), (573, 15770), (581, 15788), (584, 15794), (596, 15824), (667, 15929), (671, 15938), (673, 15941), (687, 15977), (716, 16055), (744, 16154), (751, 16175), (759, 16208), (768, 16238), (776, 16268), (779, 16277), (781, 16283), (792, 16298), (793, 16301), (800, 16325), (813, 16355), (817, 16367), (822, 16397), (833, 16439),

Gene: Clipper_25 Start: 17165, Stop: 18931, Start Num: 79

Candidate Starts for Clipper_25:

(Start: 79 @17165 has 139 MA's), (101, 17195), (184, 17354), (Start: 196 @17387 has 7 MA's), (210, 17417), (221, 17450), (227, 17462), (266, 17552), (288, 17594), (310, 17666), (315, 17675), (338, 17714), (356, 17759), (357, 17762), (363, 17780), (365, 17783), (393, 17837), (399, 17855), (412, 17897), (418, 17903), (430, 17930), (515, 18068), (525, 18086), (541, 18128), (548, 18146), (558, 18176), (573, 18203), (612, 18308), (681, 18467), (694, 18503), (706, 18533), (718, 18542), (745, 18617), (759, 18668), (824, 18863), (834, 18902), (835, 18905), (843, 18923),

Gene: CloudWang3_31 Start: 19949, Stop: 21745, Start Num: 90

Candidate Starts for CloudWang3_31:

(65, 19907), (Start: 90 @19949 has 8 MA's), (Start: 108 @19973 has 545 MA's), (233, 20210), (262, 20282), (264, 20285), (Start: 268 @20300 has 11 MA's), (289, 20339), (292, 20345), (338, 20456), (341, 20462), (356, 20501), (373, 20543), (399, 20582), (412, 20624), (413, 20627), (495, 20783),

(557, 20924), (563, 20939), (639, 21152), (689, 21251), (698, 21278), (720, 21329), (724, 21338), (735, 21377), (738, 21392), (760, 21476), (792, 21581), (794, 21587), (833, 21722),

Gene: ClubL_48 Start: 29531, Stop: 31222, Start Num: 110

Candidate Starts for ClubL_48:

(Start: 110 @29531 has 14 MA's), (144, 29591), (159, 29624), (176, 29657), (230, 29783), (244, 29816), (249, 29825), (301, 29954), (319, 30002), (456, 30215), (458, 30221), (466, 30245), (529, 30374), (538, 30395), (549, 30428), (616, 30626), (713, 30779), (742, 30878), (745, 30890), (748, 30899), (771, 30983), (823, 31130), (832, 31166), (835, 31178),

Gene: Coco12_18 Start: 15204, Stop: 16913, Start Num: 87

Candidate Starts for Coco12_18:

(Start: 87 @15204 has 207 MA's), (150, 15291), (Start: 175 @15336 has 47 MA's), (182, 15360), (230, 15465), (233, 15471), (242, 15489), (257, 15519), (300, 15624), (323, 15684), (338, 15705), (342, 15714), (352, 15738), (396, 15813), (398, 15816), (420, 15864), (427, 15879), (429, 15885), (445, 15921), (448, 15924), (455, 15936), (456, 15942), (474, 15990), (480, 16002), (484, 16008), (515, 16068), (522, 16080), (538, 16116), (541, 16128), (571, 16203), (573, 16212), (581, 16230), (584, 16236), (596, 16266), (667, 16371), (671, 16380), (673, 16383), (687, 16419), (716, 16497), (744, 16596), (751, 16617), (759, 16650), (768, 16680), (776, 16710), (779, 16719), (781, 16725), (792, 16740), (793, 16743), (813, 16797), (817, 16809), (822, 16839), (833, 16881),

Gene: Cocoaberry_27 Start: 19831, Stop: 21609, Start Num: 108

Candidate Starts for Cocoaberry_27:

(Start: 90 @19807 has 8 MA's), (Start: 108 @19831 has 545 MA's), (Start: 146 @19888 has 1 MA's), (Start: 175 @19942 has 47 MA's), (179, 19957), (184, 19975), (227, 20059), (232, 20071), (233, 20074), (264, 20149), (Start: 268 @20164 has 11 MA's), (289, 20203), (338, 20320), (373, 20407), (412, 20488), (435, 20536), (449, 20560), (495, 20647), (522, 20692), (551, 20764), (556, 20785), (563, 20803), (597, 20884), (628, 20977), (630, 20986), (637, 21010), (639, 21016), (647, 21040), (681, 21094), (689, 21115), (710, 21166), (719, 21190), (736, 21244), (760, 21340), (792, 21445), (795, 21460), (828, 21568), (833, 21586),

Gene: CoffeeBean_45 Start: 31300, Stop: 32874, Start Num: 196

Candidate Starts for CoffeeBean_45:

(Start: 196 @31300 has 7 MA's), (199, 31309), (227, 31363), (237, 31387), (243, 31390), (360, 31660), (401, 31723), (405, 31738), (464, 31855), (470, 31870), (499, 31927), (502, 31936), (521, 31978), (532, 31999), (541, 32029), (566, 32086), (596, 32161), (628, 32257), (669, 32362), (670, 32365), (681, 32392), (717, 32470), (730, 32509), (772, 32665), (801, 32731),

Gene: Colbster_29 Start: 20379, Stop: 22175, Start Num: 108

Candidate Starts for Colbster_29:

(Start: 108 @20379 has 545 MA's), (Start: 146 @20436 has 1 MA's), (154, 20451), (173, 20484), (179, 20505), (Start: 183 @20520 has 1 MA's), (227, 20607), (232, 20619), (233, 20622), (264, 20697), (Start: 268 @20712 has 11 MA's), (288, 20748), (373, 20955), (430, 21069), (449, 21108), (495, 21195), (549, 21309), (556, 21333), (563, 21351), (597, 21432), (623, 21507), (628, 21525), (637, 21558), (639, 21564), (653, 21603), (680, 21657), (681, 21660), (689, 21681), (713, 21738), (760, 21906), (792, 22011), (794, 22017), (833, 22152),

Gene: Coleslaw_18 Start: 16640, Stop: 18394, Start Num: 97

Candidate Starts for Coleslaw_18:

(Start: 75 @16631 has 25 MA's), (Start: 97 @16640 has 44 MA's), (101, 16646), (Start: 105 @16652 has 8 MA's), (179, 16784), (Start: 196 @16835 has 7 MA's), (210, 16865), (219, 16889), (264, 16991), (279, 17030), (283, 17036), (292, 17051), (304, 17096), (359, 17216), (385, 17273), (399, 17312), (418, 17360), (430, 17387), (434, 17399), (479, 17480), (515, 17525), (597, 17723), (606, 17753),

(612, 17771), (623, 17798), (648, 17882), (665, 17900), (677, 17915), (693, 17963), (698, 17978), (733, 18041), (751, 18098), (760, 18137), (776, 18179), (795, 18230), (824, 18326), (843, 18386),

Gene: Colin_32 Start: 21871, Stop: 23667, Start Num: 90

Candidate Starts for Colin_32:

(Start: 90 @21871 has 8 MA's), (Start: 108 @21895 has 545 MA's), (232, 22129), (233, 22132), (262, 22204), (264, 22207), (289, 22261), (292, 22267), (301, 22300), (338, 22378), (373, 22465), (412, 22546), (413, 22549), (430, 22579), (551, 22822), (563, 22861), (583, 22912), (592, 22927), (597, 22942), (639, 23074), (669, 23122), (681, 23152), (685, 23164), (698, 23200), (701, 23206), (724, 23260), (738, 23314), (760, 23398), (780, 23464), (792, 23503), (794, 23509),

Gene: Collard_21 Start: 17552, Stop: 19324, Start Num: 81

Candidate Starts for Collard_21:

(Start: 81 @17552 has 15 MA's), (86, 17558), (103, 17582), (129, 17615), (154, 17663), (179, 17717), (Start: 196 @17768 has 7 MA's), (221, 17831), (Start: 268 @17939 has 11 MA's), (310, 18047), (363, 18161), (365, 18164), (384, 18203), (393, 18218), (395, 18230), (399, 18236), (410, 18272), (412, 18278), (418, 18284), (434, 18323), (447, 18347), (515, 18449), (542, 18512), (612, 18692), (645, 18791), (683, 18869), (693, 18893), (695, 18899), (709, 18932), (745, 19010), (747, 19016), (798, 19169), (829, 19274), (830, 19277), (834, 19295),

Gene: Command613_25 Start: 20014, Stop: 21693, Start Num: 94

Candidate Starts for Command613_25:

(Start: 94 @20014 has 79 MA's), (Start: 147 @20098 has 45 MA's), (Start: 183 @20176 has 1 MA's), (227, 20263), (233, 20278), (257, 20326), (271, 20365), (306, 20452), (321, 20485), (342, 20521), (354, 20551), (356, 20557), (400, 20626), (424, 20656), (428, 20668), (429, 20671), (456, 20728), (517, 20860), (520, 20866), (547, 20932), (549, 20938), (556, 20962), (573, 21010), (584, 21034), (589, 21043), (616, 21118), (671, 21169), (678, 21184), (736, 21346), (742, 21373), (751, 21403), (780, 21508), (815, 21586), (822, 21622), (824, 21631), (833, 21664), (838, 21679),

Gene: Commandaria_43 Start: 31143, Stop: 32756, Start Num: 194

Candidate Starts for Commandaria_43:

(Start: 194 @31143 has 87 MA's), (Start: 209 @31179 has 1 MA's), (216, 31197), (231, 31230), (243, 31257), (331, 31458), (359, 31524), (401, 31590), (405, 31605), (457, 31716), (469, 31746), (470, 31749), (495, 31794), (499, 31806), (519, 31854), (521, 31857), (570, 31983), (592, 32028), (593, 32031), (604, 32070), (622, 32118), (669, 32244), (683, 32280), (744, 32445), (751, 32466), (770, 32535), (794, 32589), (801, 32613), (822, 32685), (838, 32742),

Gene: Commander_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Commander_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: ConceptII_29 Start: 22056, Stop: 23858, Start Num: 109

Candidate Starts for ConceptII_29:

(Start: 109 @22056 has 207 MA's), (Start: 124 @22077 has 4 MA's), (Start: 146 @22119 has 1 MA's), (171, 22164), (264, 22380), (283, 22425), (289, 22434), (301, 22473), (321, 22524), (322, 22527), (365, 22620), (413, 22722), (449, 22791), (549, 22992), (551, 22995), (556, 23016), (596, 23112), (597, 23115), (599, 23121), (623, 23190), (628, 23208), (630, 23217), (639, 23247), (681, 23343),

(693, 23376), (698, 23391), (745, 23532), (760, 23589), (794, 23700),

Gene: Connomayer_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Connomayer_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Conquerage_30 Start: 21779, Stop: 23569, Start Num: 108

Candidate Starts for Conquerage_30:

(Start: 105 @21776 has 8 MA's), (Start: 108 @21779 has 545 MA's), (232, 22013), (233, 22016), (262, 22088), (264, 22091), (Start: 268 @22106 has 11 MA's), (289, 22145), (292, 22151), (338, 22262), (373, 22349), (412, 22430), (413, 22433), (441, 22493), (513, 22619), (540, 22682), (551, 22706), (553, 22712), (563, 22745), (597, 22826), (637, 22952), (651, 22994), (681, 23054), (693, 23087), (698, 23102), (735, 23201), (736, 23204), (738, 23216), (760, 23300), (780, 23366), (792, 23405), (794, 23411), (809, 23456), (824, 23513), (825, 23516),

Gene: Conspiracy_24 Start: 19564, Stop: 21363, Start Num: 108

Candidate Starts for Conspiracy_24:

(Start: 108 @19564 has 545 MA's), (184, 19702), (233, 19801), (264, 19876), (288, 19927), (310, 19999), (318, 20014), (338, 20047), (341, 20053), (389, 20146), (430, 20248), (441, 20278), (446, 20284), (495, 20374), (513, 20404), (545, 20476), (549, 20488), (551, 20491), (563, 20530), (569, 20548), (596, 20608), (597, 20611), (613, 20662), (628, 20704), (680, 20845), (695, 20887), (794, 21205), (833, 21340),

Gene: Constella_31 Start: 26122, Stop: 28120, Start Num: 89

Candidate Starts for Constella_31:

(Start: 89 @26122 has 30 MA's), (Start: 147 @26212 has 45 MA's), (172, 26260), (182, 26290), (193, 26317), (244, 26419), (259, 26449), (298, 26548), (309, 26584), (310, 26590), (321, 26611), (356, 26683), (359, 26692), (368, 26713), (410, 26782), (429, 26821), (430, 26824), (435, 26839), (456, 26878), (474, 26926), (480, 26938), (484, 26944), (503, 26992), (507, 27001), (517, 27022), (526, 27040), (545, 27088), (581, 27190), (605, 27250), (610, 27262), (627, 27307), (629, 27319), (656, 27454), (657, 27460), (658, 27484), (659, 27556), (665, 27583), (752, 27832),

Gene: Contagion_23 Start: 19253, Stop: 20932, Start Num: 94

Candidate Starts for Contagion_23:

(Start: 94 @19253 has 79 MA's), (Start: 147 @19337 has 45 MA's), (Start: 183 @19415 has 1 MA's), (227, 19502), (233, 19517), (257, 19565), (271, 19604), (306, 19691), (321, 19724), (342, 19760), (354, 19790), (356, 19796), (400, 19865), (424, 19895), (428, 19907), (429, 19910), (456, 19967), (517, 20099), (520, 20105), (547, 20171), (549, 20177), (556, 20201), (573, 20249), (584, 20273), (589, 20282), (616, 20357), (671, 20408), (678, 20423), (736, 20585), (742, 20612), (751, 20642), (780, 20747), (815, 20825), (822, 20861), (824, 20870), (833, 20903), (838, 20918),

Gene: Coog_24 Start: 19707, Stop: 21503, Start Num: 108

Candidate Starts for Coog_24:

(Start: 99 @19695 has 4 MA's), (Start: 108 @19707 has 545 MA's), (Start: 175 @19812 has 47 MA's), (184, 19845), (233, 19944), (264, 20019), (Start: 268 @20034 has 11 MA's), (288, 20070), (310, 20142), (318, 20157), (341, 20196), (441, 20421), (446, 20427), (522, 20562), (545, 20619), (546, 20622), (549, 20631), (563, 20673), (569, 20691), (596, 20751), (597, 20754), (628, 20847), (630,

20856), (637, 20880), (680, 20988), (693, 21024), (760, 21234), (791, 21336), (794, 21345), (833, 21480), (835, 21489),

Gene: Cookie dough_31 Start: 19969, Stop: 21741, Start Num: 108

Candidate Starts for Cookie dough_31:

(65, 19903), (Start: 90 @19945 has 8 MA's), (Start: 108 @19969 has 545 MA's), (208, 20167), (233, 20206), (262, 20278), (264, 20281), (269, 20299), (289, 20335), (292, 20341), (338, 20452), (341, 20458), (356, 20497), (373, 20539), (399, 20578), (412, 20620), (413, 20623), (441, 20683), (557, 20920), (563, 20935), (597, 21016), (639, 21148), (698, 21274), (720, 21325), (724, 21334), (735, 21373), (736, 21376), (738, 21388), (760, 21472), (792, 21577), (794, 21583), (833, 21718),

Gene: Cookies_24 Start: 19615, Stop: 21294, Start Num: 94

Candidate Starts for Cookies_24:

(Start: 94 @19615 has 79 MA's), (Start: 147 @19699 has 45 MA's), (Start: 183 @19777 has 1 MA's), (227, 19864), (233, 19879), (257, 19927), (271, 19966), (306, 20053), (321, 20086), (342, 20122), (354, 20152), (356, 20158), (400, 20227), (424, 20257), (428, 20269), (429, 20272), (456, 20329), (517, 20461), (520, 20467), (547, 20533), (549, 20539), (556, 20563), (573, 20611), (584, 20635), (589, 20644), (616, 20719), (671, 20770), (678, 20785), (736, 20947), (742, 20974), (751, 21004), (780, 21109), (815, 21187), (822, 21223), (824, 21232), (833, 21265), (838, 21280),

Gene: Corndog_59 Start: 34518, Stop: 36254, Start Num: 74

Candidate Starts for Corndog_59:

(Start: 69 @34509 has 2 MA's), (Start: 74 @34518 has 26 MA's), (134, 34608), (187, 34725), (203, 34761), (214, 34782), (230, 34809), (233, 34815), (249, 34845), (261, 34869), (281, 34920), (342, 35058), (344, 35064), (363, 35115), (365, 35118), (374, 35136), (420, 35187), (429, 35208), (430, 35211), (455, 35259), (456, 35265), (474, 35313), (477, 35319), (480, 35325), (504, 35385), (515, 35409), (517, 35412), (538, 35457), (542, 35472), (546, 35481), (549, 35490), (564, 35535), (573, 35553), (589, 35586), (673, 35724), (680, 35745), (706, 35811), (717, 35841), (734, 35895), (744, 35937), (751, 35958), (755, 35979), (759, 35991), (765, 36012), (781, 36066), (815, 36144), (822, 36180), (827, 36201), (834, 36228),

Gene: Cornucopia_17 Start: 14844, Stop: 16553, Start Num: 87

Candidate Starts for Cornucopia_17:

(Start: 87 @14844 has 207 MA's), (150, 14931), (Start: 175 @14976 has 47 MA's), (182, 15000), (230, 15105), (233, 15111), (242, 15129), (257, 15159), (300, 15264), (323, 15324), (338, 15345), (342, 15354), (352, 15378), (396, 15453), (420, 15504), (427, 15519), (429, 15525), (445, 15561), (448, 15564), (455, 15576), (456, 15582), (474, 15630), (480, 15642), (484, 15648), (515, 15708), (522, 15720), (538, 15756), (541, 15768), (571, 15843), (573, 15852), (581, 15870), (584, 15876), (596, 15906), (667, 16011), (673, 16023), (687, 16059), (716, 16137), (744, 16236), (751, 16257), (759, 16290), (768, 16320), (776, 16350), (779, 16359), (781, 16365), (792, 16380), (793, 16383), (800, 16407), (817, 16449), (833, 16521),

Gene: Corvo_28 Start: 22053, Stop: 23855, Start Num: 109

Candidate Starts for Corvo_28:

(Start: 109 @22053 has 207 MA's), (Start: 124 @22074 has 4 MA's), (Start: 146 @22116 has 1 MA's), (171, 22161), (264, 22377), (283, 22422), (289, 22431), (321, 22521), (322, 22524), (365, 22617), (413, 22719), (449, 22788), (545, 22977), (549, 22989), (551, 22992), (556, 23013), (596, 23109), (597, 23112), (599, 23118), (623, 23187), (628, 23205), (630, 23214), (639, 23244), (681, 23340), (693, 23373), (698, 23388), (745, 23529), (760, 23586), (794, 23697),

Gene: CosmicSans_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for CosmicSans_23:

(Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (208, 16526), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (389, 16904), (392, 16910), (395, 16925), (397, 16928), (413, 16976), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: Courthouse_34 Start: 25078, Stop: 26811, Start Num: 89

Candidate Starts for Courthouse_34:

(Start: 89 @25078 has 30 MA's), (Start: 147 @25168 has 45 MA's), (150, 25171), (182, 25246), (193, 25273), (227, 25339), (244, 25375), (259, 25405), (264, 25420), (298, 25504), (309, 25540), (321, 25567), (343, 25606), (356, 25639), (359, 25648), (398, 25705), (413, 25747), (453, 25822), (456, 25834), (480, 25894), (503, 25948), (517, 25978), (526, 25996), (531, 26005), (542, 26038), (547, 26050), (549, 26056), (561, 26095), (584, 26152), (678, 26302), (682, 26320), (700, 26362), (711, 26386), (712, 26389), (716, 26404), (727, 26434), (736, 26464), (751, 26521), (803, 26671), (835, 26791), (838, 26797),

Gene: Cracklewink_24 Start: 19740, Stop: 21590, Start Num: 51

Candidate Starts for Cracklewink_24:

(Start: 51 @19740 has 4 MA's), (63, 19785), (135, 19884), (154, 19920), (171, 19950), (179, 19974), (Start: 196 @20025 has 7 MA's), (Start: 197 @20028 has 1 MA's), (239, 20127), (240, 20130), (299, 20268), (305, 20289), (318, 20319), (321, 20325), (343, 20364), (369, 20430), (394, 20472), (399, 20487), (412, 20529), (431, 20565), (434, 20574), (442, 20592), (477, 20652), (480, 20658), (482, 20661), (501, 20691), (513, 20724), (515, 20727), (529, 20754), (554, 20820), (645, 21069), (727, 21216), (749, 21288), (760, 21333), (771, 21357), (772, 21363), (813, 21471), (834, 21561), (835, 21564),

Gene: Crespo_18 Start: 16650, Stop: 18404, Start Num: 97

Candidate Starts for Crespo_18:

(Start: 75 @16641 has 25 MA's), (Start: 97 @16650 has 44 MA's), (101, 16656), (Start: 105 @16662 has 8 MA's), (179, 16794), (Start: 196 @16845 has 7 MA's), (210, 16875), (219, 16899), (264, 17001), (279, 17040), (283, 17046), (292, 17061), (304, 17106), (359, 17226), (385, 17283), (399, 17322), (418, 17370), (430, 17397), (434, 17409), (479, 17490), (515, 17535), (597, 17733), (606, 17763), (612, 17781), (623, 17808), (648, 17892), (665, 17910), (677, 17925), (693, 17973), (698, 17988), (733, 18051), (751, 18108), (760, 18147), (776, 18189), (795, 18240), (824, 18336), (843, 18396),

Gene: CrimD_23 Start: 17126, Stop: 18892, Start Num: 79

Candidate Starts for CrimD_23:

(Start: 79 @17126 has 139 MA's), (101, 17156), (184, 17315), (Start: 196 @17348 has 7 MA's), (210, 17378), (221, 17411), (227, 17423), (266, 17513), (288, 17555), (307, 17618), (310, 17627), (315, 17636), (338, 17675), (356, 17720), (363, 17741), (365, 17744), (399, 17816), (412, 17858), (418, 17864), (430, 17891), (515, 18029), (525, 18047), (541, 18089), (548, 18107), (558, 18137), (573, 18164), (612, 18269), (681, 18428), (694, 18464), (706, 18494), (718, 18503), (745, 18578), (759, 18629), (824, 18824), (834, 18863), (835, 18866), (843, 18884),

Gene: Crispicous1_26 Start: 20570, Stop: 22372, Start Num: 109

Candidate Starts for Crispicous1_26:

(Start: 109 @20570 has 207 MA's), (Start: 124 @20591 has 4 MA's), (Start: 146 @20633 has 1 MA's), (171, 20678), (264, 20894), (283, 20939), (289, 20948), (301, 20987), (321, 21038), (341, 21071), (413, 21236), (449, 21305), (549, 21506), (551, 21509), (556, 21530), (596, 21626), (597, 21629), (599, 21635), (623, 21704), (628, 21722), (630, 21731), (639, 21761), (681, 21857), (693, 21890), (698, 21905), (745, 22046), (760, 22103), (794, 22214),

Gene: Crucio_28 Start: 20118, Stop: 21890, Start Num: 108

Candidate Starts for Crucio_28:

(65, 20052), (Start: 90 @20094 has 8 MA's), (Start: 108 @20118 has 545 MA's), (173, 20217), (202, 20301), (232, 20352), (233, 20355), (262, 20427), (264, 20430), (289, 20484), (301, 20523), (318, 20568), (338, 20601), (373, 20688), (412, 20769), (413, 20772), (551, 21045), (597, 21165), (669, 21345), (693, 21408), (698, 21423), (701, 21429), (724, 21483), (735, 21522), (738, 21537), (760, 21621), (794, 21732), (833, 21867),

Gene: Cruella_31 Start: 28482, Stop: 30080, Start Num: 195

Candidate Starts for Cruella_31:

(Start: 195 @28482 has 39 MA's), (246, 28581), (272, 28650), (292, 28689), (350, 28824), (371, 28884), (460, 29037), (464, 29049), (467, 29058), (469, 29061), (493, 29106), (499, 29121), (502, 29130), (505, 29139), (532, 29193), (538, 29211), (563, 29265), (635, 29481), (677, 29574), (724, 29682), (738, 29736), (758, 29811), (801, 29940), (837, 30066),

Gene: Crumble_16 Start: 14809, Stop: 16518, Start Num: 87

Candidate Starts for Crumble_16:

(Start: 87 @14809 has 207 MA's), (150, 14896), (Start: 175 @14941 has 47 MA's), (182, 14965), (230, 15070), (233, 15076), (242, 15094), (257, 15124), (300, 15229), (323, 15289), (338, 15310), (342, 15319), (352, 15343), (396, 15418), (398, 15421), (420, 15469), (427, 15484), (429, 15490), (445, 15526), (448, 15529), (455, 15541), (456, 15547), (474, 15595), (480, 15607), (484, 15613), (515, 15673), (522, 15685), (538, 15721), (541, 15733), (571, 15808), (573, 15817), (581, 15835), (584, 15841), (596, 15871), (667, 15976), (671, 15985), (673, 15988), (687, 16024), (716, 16102), (744, 16201), (751, 16222), (759, 16255), (768, 16285), (776, 16315), (779, 16324), (781, 16330), (792, 16345), (793, 16348), (800, 16372), (813, 16402), (817, 16414), (822, 16444), (833, 16486),

Gene: CrystalP_24 Start: 19746, Stop: 21425, Start Num: 94

Candidate Starts for CrystalP_24:

(Start: 94 @19746 has 79 MA's), (Start: 147 @19830 has 45 MA's), (Start: 183 @19908 has 1 MA's), (227, 19995), (233, 20010), (257, 20058), (271, 20097), (306, 20184), (321, 20217), (342, 20253), (354, 20283), (356, 20289), (400, 20358), (424, 20388), (428, 20400), (429, 20403), (456, 20460), (517, 20592), (520, 20598), (547, 20664), (549, 20670), (556, 20694), (573, 20742), (584, 20766), (589, 20775), (616, 20850), (671, 20901), (678, 20916), (736, 21078), (742, 21105), (751, 21135), (780, 21240), (815, 21318), (822, 21354), (824, 21363), (833, 21396), (838, 21411),

Gene: Cuco_24 Start: 19657, Stop: 21453, Start Num: 108

Candidate Starts for Cuco_24:

(Start: 108 @19657 has 545 MA's), (Start: 175 @19762 has 47 MA's), (184, 19795), (233, 19894), (264, 19969), (Start: 268 @19984 has 11 MA's), (288, 20020), (310, 20092), (318, 20107), (341, 20146), (352, 20173), (359, 20194), (381, 20233), (441, 20371), (446, 20377), (522, 20512), (545, 20569), (546, 20572), (549, 20581), (563, 20623), (569, 20641), (596, 20701), (597, 20704), (628, 20797), (630, 20806), (637, 20830), (680, 20938), (693, 20974), (760, 21184), (791, 21286), (794, 21295), (833, 21430), (835, 21439),

Gene: Cucurbita_50 Start: 30901, Stop: 32592, Start Num: 110

Candidate Starts for Cucurbita_50:

(Start: 110 @30901 has 14 MA's), (144, 30961), (159, 30994), (176, 31027), (230, 31153), (244, 31186), (249, 31195), (301, 31324), (319, 31372), (456, 31585), (458, 31591), (466, 31615), (529, 31744), (538, 31765), (549, 31798), (616, 31996), (713, 32149), (742, 32248), (745, 32260), (748, 32269), (771, 32353), (823, 32500), (832, 32536), (835, 32548),

Gene: Cueylyss_27 Start: 21272, Stop: 23074, Start Num: 109

Candidate Starts for Cueylyss_27:

(Start: 109 @21272 has 207 MA's), (Start: 124 @21293 has 4 MA's), (Start: 146 @21335 has 1 MA's), (171, 21380), (264, 21596), (283, 21641), (289, 21650), (321, 21740), (322, 21743), (365, 21836), (413, 21938), (449, 22007), (545, 22196), (549, 22208), (551, 22211), (556, 22232), (596, 22328), (597, 22331), (599, 22337), (623, 22406), (628, 22424), (630, 22433), (639, 22463), (681, 22559), (693, 22592), (698, 22607), (745, 22748), (760, 22805), (784, 22883),

Gene: Cullens_29 Start: 20378, Stop: 22174, Start Num: 108

Candidate Starts for Cullens_29:

(Start: 108 @20378 has 545 MA's), (Start: 146 @20435 has 1 MA's), (154, 20450), (173, 20483), (179, 20504), (Start: 183 @20519 has 1 MA's), (227, 20606), (232, 20618), (233, 20621), (264, 20696), (Start: 268 @20711 has 11 MA's), (288, 20747), (373, 20954), (430, 21068), (449, 21107), (495, 21194), (549, 21308), (556, 21332), (563, 21350), (597, 21431), (623, 21506), (628, 21524), (637, 21557), (639, 21563), (653, 21602), (680, 21656), (681, 21659), (689, 21680), (713, 21737), (760, 21905), (792, 22010), (794, 22016), (833, 22151),

Gene: Culver_48 Start: 29340, Stop: 31031, Start Num: 110

Candidate Starts for Culver_48:

(Start: 110 @29340 has 14 MA's), (144, 29400), (159, 29433), (174, 29463), (176, 29466), (244, 29625), (249, 29634), (301, 29763), (319, 29811), (456, 30024), (458, 30030), (466, 30054), (529, 30183), (538, 30204), (549, 30237), (616, 30435), (713, 30588), (742, 30687), (745, 30699), (748, 30708), (771, 30792), (823, 30939), (832, 30975),

Gene: Curiosium_24 Start: 16874, Stop: 18640, Start Num: 79

Candidate Starts for Curiosium_24:

(Start: 79 @16874 has 139 MA's), (101, 16904), (184, 17063), (Start: 196 @17096 has 7 MA's), (210, 17126), (221, 17159), (227, 17171), (283, 17297), (288, 17303), (300, 17342), (310, 17375), (315, 17384), (338, 17423), (363, 17489), (365, 17492), (399, 17564), (412, 17606), (418, 17612), (430, 17639), (447, 17675), (515, 17777), (525, 17795), (541, 17837), (548, 17855), (558, 17885), (573, 17912), (612, 18017), (641, 18107), (694, 18212), (706, 18242), (745, 18326), (759, 18377), (771, 18407), (795, 18476), (815, 18527), (834, 18611), (835, 18614), (843, 18632),

Gene: Cynthia_17 Start: 14758, Stop: 16467, Start Num: 195

Candidate Starts for Cynthia_17:

(Start: 195 @14758 has 39 MA's), (244, 14875), (301, 15025), (319, 15064), (328, 15079), (359, 15148), (363, 15160), (405, 15238), (406, 15241), (462, 15373), (487, 15427), (516, 15508), (541, 15568), (543, 15574), (546, 15580), (576, 15661), (592, 15697), (604, 15733), (610, 15751), (625, 15790), (647, 15862), (655, 15886), (742, 16120), (746, 16135), (757, 16177), (785, 16270), (787, 16273), (797, 16321), (810, 16351),

Gene: Czyszczo1_25 Start: 19491, Stop: 21170, Start Num: 94

Candidate Starts for Czyszczo1_25:

(Start: 94 @19491 has 79 MA's), (Start: 147 @19575 has 45 MA's), (Start: 183 @19653 has 1 MA's), (227, 19740), (233, 19755), (257, 19803), (271, 19842), (306, 19929), (321, 19962), (342, 19998), (354, 20028), (356, 20034), (400, 20103), (424, 20133), (428, 20145), (429, 20148), (456, 20205), (517, 20337), (520, 20343), (547, 20409), (549, 20415), (556, 20439), (573, 20487), (584, 20511), (589, 20520), (616, 20595), (671, 20646), (678, 20661), (736, 20823), (742, 20850), (751, 20880), (780, 20985), (815, 21063), (822, 21099), (824, 21108), (833, 21141), (838, 21156),

Gene: D29_28 Start: 20049, Stop: 21839, Start Num: 108

Candidate Starts for D29_28:

(65, 19983), (Start: 90 @20025 has 8 MA's), (Start: 108 @20049 has 545 MA's), (232, 20283), (233, 20286), (262, 20358), (264, 20361), (Start: 268 @20376 has 11 MA's), (289, 20415), (292, 20421), (338, 20532), (347, 20550), (373, 20619), (412, 20700), (413, 20703), (495, 20859), (513, 20889),

(597, 21096), (637, 21222), (654, 21273), (681, 21324), (693, 21357), (698, 21372), (710, 21396), (735, 21471), (736, 21474), (738, 21486), (760, 21570), (784, 21648), (792, 21675), (794, 21681), (809, 21726), (813, 21735), (833, 21816),

Gene: D32_31 Start: 20049, Stop: 21839, Start Num: 108

Candidate Starts for D32_31:

(65, 19983), (Start: 90 @20025 has 8 MA's), (Start: 108 @20049 has 545 MA's), (232, 20283), (233, 20286), (262, 20358), (264, 20361), (Start: 268 @20376 has 11 MA's), (289, 20415), (292, 20421), (338, 20532), (347, 20550), (373, 20619), (412, 20700), (413, 20703), (495, 20859), (513, 20889), (597, 21096), (637, 21222), (654, 21273), (681, 21324), (693, 21357), (698, 21372), (710, 21396), (735, 21471), (736, 21474), (738, 21486), (760, 21570), (784, 21648), (792, 21675), (794, 21681), (809, 21726), (813, 21735), (833, 21816),

Gene: DBQu4n_31 Start: 20049, Stop: 21839, Start Num: 108

Candidate Starts for DBQu4n_31:

(65, 19983), (Start: 90 @20025 has 8 MA's), (Start: 108 @20049 has 545 MA's), (189, 20202), (232, 20283), (233, 20286), (262, 20358), (264, 20361), (Start: 268 @20376 has 11 MA's), (289, 20415), (292, 20421), (338, 20532), (347, 20550), (351, 20559), (373, 20619), (412, 20700), (413, 20703), (495, 20859), (513, 20889), (597, 21096), (637, 21222), (681, 21324), (693, 21357), (698, 21372), (710, 21396), (735, 21471), (736, 21474), (738, 21486), (760, 21570), (784, 21648), (792, 21675), (794, 21681), (809, 21726), (813, 21735), (833, 21816),

Gene: DD5_28 Start: 21820, Stop: 23622, Start Num: 109

Candidate Starts for DD5_28:

(Start: 109 @21820 has 207 MA's), (Start: 124 @21841 has 4 MA's), (Start: 146 @21883 has 1 MA's), (171, 21928), (264, 22144), (283, 22189), (289, 22198), (321, 22288), (322, 22291), (413, 22486), (449, 22555), (477, 22615), (545, 22744), (549, 22756), (551, 22759), (556, 22780), (596, 22876), (597, 22879), (599, 22885), (623, 22954), (628, 22972), (630, 22981), (639, 23011), (681, 23107), (693, 23140), (698, 23155), (745, 23296), (760, 23353), (794, 23464),

Gene: DLane_16 Start: 14795, Stop: 16504, Start Num: 87

Candidate Starts for DLane_16:

(Start: 87 @14795 has 207 MA's), (150, 14882), (Start: 175 @14927 has 47 MA's), (182, 14951), (230, 15056), (233, 15062), (242, 15080), (257, 15110), (300, 15215), (323, 15275), (338, 15296), (342, 15305), (352, 15329), (420, 15455), (427, 15470), (429, 15476), (445, 15512), (448, 15515), (455, 15527), (456, 15533), (474, 15581), (480, 15593), (484, 15599), (515, 15659), (522, 15671), (538, 15707), (541, 15719), (571, 15794), (573, 15803), (581, 15821), (584, 15827), (596, 15857), (667, 15962), (671, 15971), (673, 15974), (687, 16010), (716, 16088), (744, 16187), (751, 16208), (759, 16241), (768, 16271), (776, 16301), (779, 16310), (781, 16316), (792, 16331), (793, 16334), (800, 16358), (813, 16388), (817, 16400), (822, 16430), (833, 16472),

Gene: DMoney_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for DMoney_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: DNAlll_0018 Start: 16649, Stop: 18412, Start Num: 75

Candidate Starts for DNAlll_0018:

(Start: 75 @16649 has 25 MA's), (Start: 97 @16658 has 44 MA's), (101, 16664), (Start: 105 @16670 has 8 MA's), (179, 16802), (Start: 196 @16853 has 7 MA's), (210, 16883), (219, 16907), (264, 17009), (279, 17048), (283, 17054), (292, 17069), (304, 17114), (359, 17234), (385, 17291), (399, 17330), (418, 17378), (430, 17405), (434, 17417), (479, 17498), (515, 17543), (597, 17741), (606, 17771), (612, 17789), (623, 17816), (648, 17900), (665, 17918), (677, 17933), (693, 17981), (698, 17996), (733, 18059), (751, 18116), (760, 18155), (776, 18197), (795, 18248), (824, 18344), (843, 18404),

Gene: DRBy19_16 Start: 14836, Stop: 16545, Start Num: 87

Candidate Starts for DRBy19_16:

(Start: 87 @14836 has 207 MA's), (150, 14923), (Start: 175 @14968 has 47 MA's), (182, 14992), (203, 15049), (230, 15097), (233, 15103), (242, 15121), (257, 15151), (300, 15256), (320, 15310), (323, 15316), (329, 15325), (342, 15346), (352, 15370), (365, 15406), (368, 15412), (396, 15445), (398, 15448), (402, 15457), (408, 15472), (410, 15478), (420, 15496), (427, 15511), (429, 15517), (435, 15535), (436, 15538), (445, 15553), (455, 15568), (456, 15574), (474, 15622), (480, 15634), (484, 15640), (515, 15700), (522, 15712), (538, 15748), (541, 15760), (571, 15835), (573, 15844), (581, 15862), (584, 15868), (596, 15898), (667, 16003), (673, 16015), (687, 16051), (716, 16129), (751, 16249), (759, 16282), (768, 16312), (771, 16324), (776, 16342), (778, 16348), (779, 16351), (781, 16357), (792, 16372), (793, 16375), (798, 16396), (800, 16399), (817, 16441), (822, 16471), (833, 16513), (834, 16519),

Gene: DaHudson_29 Start: 20371, Stop: 22167, Start Num: 108

Candidate Starts for DaHudson_29:

(Start: 108 @20371 has 545 MA's), (Start: 146 @20428 has 1 MA's), (154, 20443), (173, 20476), (179, 20497), (Start: 183 @20512 has 1 MA's), (227, 20599), (232, 20611), (233, 20614), (264, 20689), (Start: 268 @20704 has 11 MA's), (288, 20740), (373, 20947), (430, 21061), (449, 21100), (495, 21187), (549, 21301), (556, 21325), (563, 21343), (597, 21424), (623, 21499), (628, 21517), (637, 21550), (639, 21556), (653, 21595), (680, 21649), (681, 21652), (689, 21673), (713, 21730), (760, 21898), (792, 22003), (794, 22009), (833, 22144),

Gene: DaVinci_31 Start: 19977, Stop: 21749, Start Num: 108

Candidate Starts for DaVinci_31:

(65, 19911), (Start: 90 @19953 has 8 MA's), (Start: 108 @19977 has 545 MA's), (208, 20175), (233, 20214), (262, 20286), (264, 20289), (269, 20307), (289, 20343), (292, 20349), (338, 20460), (341, 20466), (356, 20505), (373, 20547), (399, 20586), (412, 20628), (413, 20631), (441, 20691), (557, 20928), (563, 20943), (597, 21024), (639, 21156), (698, 21282), (720, 21333), (724, 21342), (735, 21381), (736, 21384), (738, 21396), (760, 21480), (792, 21585), (794, 21591), (833, 21726),

Gene: DaWorst_18 Start: 15337, Stop: 17046, Start Num: 87

Candidate Starts for DaWorst_18:

(Start: 87 @15337 has 207 MA's), (150, 15424), (Start: 175 @15469 has 47 MA's), (182, 15493), (203, 15550), (230, 15598), (233, 15604), (242, 15622), (257, 15652), (300, 15757), (320, 15811), (323, 15817), (329, 15826), (342, 15847), (352, 15871), (365, 15907), (368, 15913), (396, 15946), (398, 15949), (402, 15958), (408, 15973), (410, 15979), (420, 15997), (427, 16012), (429, 16018), (435, 16036), (436, 16039), (445, 16054), (455, 16069), (456, 16075), (474, 16123), (480, 16135), (484, 16141), (515, 16201), (522, 16213), (538, 16249), (541, 16261), (571, 16336), (573, 16345), (581, 16363), (584, 16369), (596, 16399), (667, 16504), (673, 16516), (687, 16552), (716, 16630), (751, 16750), (759, 16783), (768, 16813), (771, 16825), (776, 16843), (778, 16849), (779, 16852), (781, 16858), (792, 16873), (793, 16876), (798, 16897), (800, 16900), (817, 16942), (822, 16972), (833, 17014), (834, 17020),

Gene: DaddyRickover_16 Start: 14976, Stop: 16685, Start Num: 87

Candidate Starts for DaddyRickover_16:

(Start: 87 @14976 has 207 MA's), (150, 15063), (Start: 175 @15108 has 47 MA's), (182, 15132), (230, 15237), (233, 15243), (242, 15261), (257, 15291), (300, 15396), (323, 15456), (338, 15477), (342, 15486), (352, 15510), (420, 15636), (427, 15651), (429, 15657), (445, 15693), (448, 15696), (455, 15708), (456, 15714), (474, 15762), (480, 15774), (484, 15780), (515, 15840), (522, 15852), (538, 15888), (541, 15900), (571, 15975), (573, 15984), (581, 16002), (584, 16008), (596, 16038), (667, 16143), (671, 16152), (673, 16155), (687, 16191), (716, 16269), (744, 16368), (751, 16389), (759, 16422), (768, 16452), (776, 16482), (779, 16491), (781, 16497), (792, 16512), (793, 16515), (798, 16536), (800, 16539), (817, 16581), (822, 16611), (833, 16653),

Gene: Daegal_23 Start: 17697, Stop: 19439, Start Num: 78

Candidate Starts for Daegal_23:

(Start: 78 @17697 has 41 MA's), (Start: 81 @17706 has 15 MA's), (114, 17748), (145, 17799), (158, 17823), (166, 17835), (Start: 175 @17856 has 47 MA's), (179, 17871), (184, 17889), (Start: 197 @17922 has 1 MA's), (208, 17949), (234, 18021), (272, 18111), (305, 18195), (309, 18204), (318, 18225), (352, 18291), (362, 18318), (381, 18351), (393, 18369), (401, 18390), (405, 18405), (406, 18408), (434, 18474), (435, 18477), (466, 18543), (483, 18555), (500, 18564), (504, 18567), (542, 18654), (559, 18708), (582, 18753), (585, 18759), (611, 18831), (623, 18861), (630, 18888), (641, 18924), (645, 18933), (693, 19011), (753, 19155), (757, 19173), (760, 19185), (767, 19200), (769, 19203), (776, 19224), (780, 19236), (798, 19284), (812, 19317), (830, 19392), (834, 19410), (843, 19431),

Gene: Daenerys_16 Start: 14808, Stop: 16517, Start Num: 87

Candidate Starts for Daenerys_16:

(Start: 87 @14808 has 207 MA's), (150, 14895), (Start: 175 @14940 has 47 MA's), (182, 14964), (230, 15069), (233, 15075), (242, 15093), (257, 15123), (300, 15228), (323, 15288), (338, 15309), (342, 15318), (352, 15342), (420, 15468), (427, 15483), (429, 15489), (445, 15525), (448, 15528), (455, 15540), (456, 15546), (474, 15594), (480, 15606), (484, 15612), (515, 15672), (522, 15684), (538, 15720), (541, 15732), (571, 15807), (573, 15816), (581, 15834), (584, 15840), (596, 15870), (667, 15975), (671, 15984), (673, 15987), (687, 16023), (716, 16101), (744, 16200), (751, 16221), (759, 16254), (768, 16284), (776, 16314), (779, 16323), (781, 16329), (792, 16344), (793, 16347), (798, 16368), (800, 16371), (817, 16413), (822, 16443), (833, 16485),

Gene: Daikon_22 Start: 19567, Stop: 21162, Start Num: 147

Candidate Starts for Daikon_22:

(Start: 94 @19483 has 79 MA's), (Start: 147 @19567 has 45 MA's), (Start: 183 @19645 has 1 MA's), (227, 19732), (233, 19747), (257, 19795), (271, 19834), (306, 19921), (321, 19954), (342, 19990), (354, 20020), (356, 20026), (400, 20095), (424, 20125), (428, 20137), (429, 20140), (456, 20197), (517, 20329), (520, 20335), (547, 20401), (549, 20407), (556, 20431), (573, 20479), (584, 20503), (589, 20512), (616, 20587), (671, 20638), (678, 20653), (736, 20815), (742, 20842), (751, 20872), (780, 20977), (815, 21055), (822, 21091), (824, 21100), (833, 21133), (838, 21148),

Gene: Daishi_28 Start: 19304, Stop: 21100, Start Num: 108

Candidate Starts for Daishi_28:

(Start: 108 @19304 has 545 MA's), (Start: 146 @19361 has 1 MA's), (154, 19376), (173, 19409), (179, 19430), (Start: 183 @19445 has 1 MA's), (227, 19532), (232, 19544), (233, 19547), (264, 19622), (Start: 268 @19637 has 11 MA's), (288, 19673), (373, 19880), (430, 19994), (449, 20033), (495, 20120), (549, 20234), (556, 20258), (563, 20276), (597, 20357), (623, 20432), (628, 20450), (637, 20483), (639, 20489), (653, 20528), (680, 20582), (681, 20585), (689, 20606), (713, 20663), (760, 20831), (792, 20936), (794, 20942), (833, 21077),

Gene: Dalilpop_46 Start: 32122, Stop: 33741, Start Num: 194

Candidate Starts for Dalilpop_46:

(Start: 194 @32122 has 87 MA's), (199, 32137), (Start: 209 @32158 has 1 MA's), (243, 32236), (298, 32374), (359, 32503), (371, 32533), (395, 32560), (401, 32569), (405, 32584), (457, 32695), (469, 32725), (470, 32728), (499, 32785), (593, 33010), (604, 33049), (622, 33097), (669, 33223), (683, 33259), (713, 33316), (730, 33370), (751, 33445), (796, 33577), (820, 33652), (822, 33664), (825, 33676), (827, 33685), (838, 33721),

Gene: Dalmatian_28 Start: 20265, Stop: 22037, Start Num: 108

Candidate Starts for Dalmatian_28:

(Start: 90 @20241 has 8 MA's), (Start: 108 @20265 has 545 MA's), (232, 20499), (233, 20502), (262, 20574), (264, 20577), (289, 20631), (301, 20670), (318, 20715), (338, 20748), (373, 20835), (412, 20916), (413, 20919), (551, 21192), (597, 21312), (637, 21438), (669, 21492), (693, 21555), (698, 21570), (701, 21576), (724, 21630), (735, 21669), (738, 21684), (760, 21768), (794, 21879),

Gene: Dalmuri_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Dalmuri_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: Danforth_23 Start: 18634, Stop: 20424, Start Num: 108

Candidate Starts for Danforth_23:

(Start: 90 @18610 has 8 MA's), (Start: 108 @18634 has 545 MA's), (170, 18727), (184, 18772), (233, 18871), (247, 18907), (264, 18946), (Start: 268 @18961 has 11 MA's), (288, 18997), (338, 19117), (341, 19123), (399, 19243), (456, 19372), (495, 19444), (549, 19558), (628, 19774), (637, 19807), (681, 19909), (693, 19942), (698, 19957), (713, 19987), (791, 20257), (794, 20266), (795, 20275), (830, 20389),

Gene: Dante_16 Start: 14825, Stop: 16534, Start Num: 87

Candidate Starts for Dante_16:

(Start: 87 @14825 has 207 MA's), (150, 14912), (Start: 175 @14957 has 47 MA's), (182, 14981), (230, 15086), (233, 15092), (242, 15110), (257, 15140), (300, 15245), (323, 15305), (338, 15326), (342, 15335), (352, 15359), (420, 15485), (427, 15500), (429, 15506), (445, 15542), (448, 15545), (455, 15557), (456, 15563), (474, 15611), (480, 15623), (484, 15629), (515, 15689), (522, 15701), (538, 15737), (541, 15749), (571, 15824), (573, 15833), (581, 15851), (584, 15857), (596, 15887), (667, 15992), (671, 16001), (673, 16004), (687, 16040), (716, 16118), (744, 16217), (751, 16238), (759, 16271), (768, 16301), (776, 16331), (779, 16340), (781, 16346), (792, 16361), (793, 16364), (800, 16388), (813, 16418), (817, 16430), (822, 16460), (833, 16502),

Gene: Dardanus_24 Start: 16682, Stop: 18013, Start Num: 268

Candidate Starts for Dardanus_24:

(Start: 268 @16682 has 11 MA's), (276, 16703), (348, 16847), (361, 16889), (392, 16934), (395, 16949), (423, 17009), (426, 17018), (462, 17102), (553, 17216), (560, 17225), (578, 17270), (610, 17345), (619, 17372), (635, 17426), (666, 17498), (711, 17591), (713, 17597), (725, 17630), (751, 17717), (790, 17828), (801, 17873), (810, 17897), (815, 17909), (816, 17912), (822, 17945),

Gene: Daredevil_29 Start: 25466, Stop: 27352, Start Num: 113

Candidate Starts for Daredevil_29:

(Start: 57 @25364 has 1 MA's), (Start: 113 @25466 has 4 MA's), (172, 25577), (190, 25628), (Start: 209 @25676 has 1 MA's), (Start: 268 @25808 has 11 MA's), (301, 25883), (319, 25931), (358, 26015), (386, 26153), (414, 26252), (453, 26345), (456, 26357), (458, 26363), (466, 26387), (484, 26423),

(486, 26429), (541, 26549), (554, 26582), (556, 26594), (581, 26654), (616, 26756), (667, 26798), (678, 26822), (726, 26945), (745, 27020), (751, 27038), (783, 27152), (844, 27344),

Gene: Darionha_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Darionha_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Darrell_30 Start: 21743, Stop: 23533, Start Num: 108

Candidate Starts for Darrell_30:

(Start: 90 @21719 has 8 MA's), (Start: 108 @21743 has 545 MA's), (232, 21977), (233, 21980), (262, 22052), (264, 22055), (Start: 268 @22070 has 11 MA's), (289, 22109), (292, 22115), (297, 22133), (338, 22226), (352, 22259), (373, 22313), (412, 22394), (413, 22397), (472, 22523), (513, 22583), (540, 22646), (551, 22670), (553, 22676), (563, 22709), (637, 22916), (644, 22934), (651, 22958), (662, 22970), (681, 23018), (693, 23051), (698, 23066), (701, 23072), (735, 23165), (736, 23168), (738, 23180), (760, 23264), (780, 23330), (792, 23369), (794, 23375), (809, 23420), (824, 23477), (825, 23480),

Gene: DarthP_22 Start: 17578, Stop: 19344, Start Num: 79

Candidate Starts for DarthP_22:

(Start: 62 @17539 has 1 MA's), (Start: 75 @17569 has 25 MA's), (Start: 79 @17578 has 139 MA's), (101, 17608), (Start: 175 @17734 has 47 MA's), (179, 17749), (184, 17767), (Start: 196 @17800 has 7 MA's), (221, 17863), (227, 17875), (234, 17893), (266, 17965), (283, 18001), (288, 18007), (315, 18088), (363, 18193), (365, 18196), (383, 18232), (399, 18268), (412, 18310), (418, 18316), (430, 18343), (447, 18379), (525, 18499), (558, 18589), (573, 18616), (593, 18661), (612, 18721), (636, 18796), (645, 18820), (681, 18880), (694, 18916), (706, 18946), (745, 19030), (759, 19081), (798, 19189), (834, 19315), (835, 19318), (843, 19336),

Gene: DarthPhader_29 Start: 21735, Stop: 23507, Start Num: 108

Candidate Starts for DarthPhader_29:

(65, 21669), (Start: 90 @21711 has 8 MA's), (Start: 108 @21735 has 545 MA's), (189, 21888), (232, 21969), (233, 21972), (262, 22044), (264, 22047), (289, 22101), (292, 22107), (306, 22158), (338, 22218), (356, 22263), (373, 22305), (412, 22386), (563, 22701), (597, 22782), (601, 22797), (639, 22914), (693, 23025), (698, 23040), (710, 23064), (735, 23139), (738, 23154), (747, 23187), (760, 23238), (792, 23343), (833, 23484),

Gene: Dartin_23 Start: 16514, Stop: 18280, Start Num: 79

Candidate Starts for Dartin_23:

(Start: 75 @16505 has 25 MA's), (Start: 79 @16514 has 139 MA's), (Start: 81 @16520 has 15 MA's), (101, 16544), (129, 16583), (Start: 175 @16670 has 47 MA's), (179, 16685), (184, 16703), (Start: 196 @16736 has 7 MA's), (266, 16901), (283, 16937), (310, 17015), (315, 17024), (363, 17129), (365, 17132), (384, 17171), (395, 17198), (399, 17204), (412, 17246), (418, 17252), (430, 17279), (515, 17417), (525, 17435), (558, 17525), (573, 17552), (586, 17585), (612, 17657), (630, 17711), (641, 17747), (649, 17771), (681, 17816), (693, 17849), (698, 17864), (706, 17882), (718, 17891), (745, 17966), (759, 18017), (760, 18023), (798, 18125), (834, 18251), (835, 18254), (843, 18272),

Gene: Darwin_34 Start: 28167, Stop: 29765, Start Num: 195

Candidate Starts for Darwin_34:

(Start: 195 @28167 has 39 MA's), (246, 28266), (272, 28335), (292, 28374), (350, 28509), (371, 28569), (439, 28695), (460, 28722), (464, 28734), (467, 28743), (469, 28746), (493, 28791), (499, 28806), (502, 28815), (505, 28824), (532, 28878), (538, 28896), (563, 28950), (635, 29166), (677, 29259), (724, 29367), (738, 29421), (758, 29496), (801, 29625), (837, 29751),

Gene: DatBoi_31 Start: 27896, Stop: 29605, Start Num: 113

Candidate Starts for DatBoi_31:

(Start: 113 @27896 has 4 MA's), (168, 27998), (247, 28181), (301, 28313), (310, 28343), (319, 28361), (372, 28484), (456, 28610), (458, 28616), (479, 28667), (486, 28682), (541, 28802), (554, 28835), (616, 29009), (678, 29075), (742, 29261), (745, 29273), (766, 29351), (783, 29405), (841, 29573), (844, 29597),

Gene: Datway_27 Start: 19835, Stop: 21634, Start Num: 108

Candidate Starts for Datway_27:

(Start: 90 @19811 has 8 MA's), (Start: 108 @19835 has 545 MA's), (Start: 112 @19841 has 3 MA's), (Start: 146 @19895 has 1 MA's), (179, 19964), (208, 20042), (227, 20066), (233, 20081), (247, 20117), (264, 20156), (Start: 268 @20171 has 11 MA's), (289, 20210), (322, 20303), (338, 20327), (373, 20414), (430, 20528), (449, 20567), (495, 20654), (522, 20699), (549, 20768), (556, 20792), (559, 20804), (597, 20891), (623, 20966), (628, 20984), (630, 20993), (637, 21017), (639, 21023), (645, 21038), (662, 21071), (680, 21116), (681, 21119), (689, 21140), (760, 21365), (784, 21443), (792, 21470), (794, 21476), (833, 21611),

Gene: DeadP_16 Start: 14839, Stop: 16548, Start Num: 87

Candidate Starts for DeadP_16:

(Start: 87 @14839 has 207 MA's), (150, 14926), (Start: 175 @14971 has 47 MA's), (182, 14995), (230, 15100), (233, 15106), (242, 15124), (257, 15154), (300, 15259), (323, 15319), (337, 15337), (338, 15340), (342, 15349), (352, 15373), (420, 15499), (427, 15514), (429, 15520), (445, 15556), (448, 15559), (455, 15571), (456, 15577), (474, 15625), (480, 15637), (484, 15643), (515, 15703), (522, 15715), (538, 15751), (541, 15763), (571, 15838), (573, 15847), (581, 15865), (584, 15871), (596, 15901), (667, 16006), (671, 16015), (673, 16018), (687, 16054), (716, 16132), (744, 16231), (751, 16252), (759, 16285), (768, 16315), (776, 16345), (779, 16354), (781, 16360), (792, 16375), (793, 16378), (800, 16402), (813, 16432), (817, 16444), (822, 16474), (833, 16516),

Gene: Deano_27 Start: 19835, Stop: 21613, Start Num: 108

Candidate Starts for Deano_27:

(Start: 90 @19811 has 8 MA's), (Start: 108 @19835 has 545 MA's), (Start: 146 @19892 has 1 MA's), (Start: 175 @19946 has 47 MA's), (179, 19961), (184, 19979), (227, 20063), (232, 20075), (233, 20078), (264, 20153), (Start: 268 @20168 has 11 MA's), (289, 20207), (338, 20324), (373, 20411), (412, 20492), (435, 20540), (449, 20564), (495, 20651), (522, 20696), (551, 20768), (556, 20789), (563, 20807), (597, 20888), (628, 20981), (630, 20990), (637, 21014), (639, 21020), (647, 21044), (681, 21098), (689, 21119), (710, 21170), (719, 21194), (736, 21248), (760, 21344), (792, 21449), (795, 21464), (828, 21572), (833, 21590),

Gene: Deb65_16 Start: 14805, Stop: 16514, Start Num: 87

Candidate Starts for Deb65_16:

(Start: 87 @14805 has 207 MA's), (150, 14892), (Start: 175 @14937 has 47 MA's), (182, 14961), (230, 15066), (233, 15072), (242, 15090), (257, 15120), (300, 15225), (323, 15285), (338, 15306), (342, 15315), (352, 15339), (420, 15465), (427, 15480), (429, 15486), (445, 15522), (448, 15525), (455, 15537), (456, 15543), (474, 15591), (480, 15603), (484, 15609), (515, 15669), (522, 15681), (538, 15717), (541, 15729), (571, 15804), (573, 15813), (581, 15831), (584, 15837), (596, 15867), (667, 15972), (673, 15984), (687, 16020), (716, 16098), (744, 16197), (751, 16218), (759, 16251), (768, 16281), (776, 16311), (779, 16320), (781, 16326), (792, 16341), (793, 16344), (798, 16365), (800, 16368), (817, 16410), (822, 16440), (833, 16482),

Gene: Deby_23 Start: 17122, Stop: 18888, Start Num: 79

Candidate Starts for Deby_23:

(Start: 79 @17122 has 139 MA's), (101, 17152), (184, 17311), (Start: 196 @17344 has 7 MA's), (210, 17374), (221, 17407), (227, 17419), (266, 17509), (288, 17551), (310, 17623), (315, 17632), (338, 17671), (356, 17716), (363, 17737), (365, 17740), (393, 17794), (399, 17812), (412, 17854), (418, 17860), (430, 17887), (515, 18025), (525, 18043), (541, 18085), (548, 18103), (558, 18133), (573, 18160), (612, 18265), (681, 18424), (694, 18460), (706, 18490), (718, 18499), (745, 18574), (759, 18625), (824, 18820), (834, 18859), (835, 18862), (843, 18880),

Gene: DeepSoil15_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for DeepSoil15_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197 @17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406, 18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: DekHockey33_30 Start: 19191, Stop: 21002, Start Num: 90

Candidate Starts for DekHockey33_30:

(65, 19149), (Start: 90 @19191 has 8 MA's), (Start: 108 @19215 has 545 MA's), (184, 19353), (207, 19410), (233, 19452), (247, 19488), (264, 19527), (295, 19596), (301, 19620), (322, 19674), (399, 19824), (413, 19869), (430, 19899), (446, 19935), (468, 19986), (493, 20022), (522, 20070), (546, 20130), (596, 20259), (623, 20337), (698, 20538), (701, 20544), (736, 20640), (782, 20805), (815, 20904),

Gene: DelRio_23 Start: 18352, Stop: 20058, Start Num: 126

Candidate Starts for DelRio_23:

(Start: 69 @18277 has 2 MA's), (Start: 126 @18352 has 16 MA's), (Start: 175 @18445 has 47 MA's), (179, 18460), (181, 18466), (Start: 209 @18541 has 1 MA's), (235, 18613), (286, 18724), (301, 18769), (306, 18787), (310, 18799), (395, 18970), (401, 18979), (403, 18985), (412, 19018), (442, 19081), (466, 19132), (500, 19156), (513, 19180), (546, 19255), (558, 19294), (610, 19426), (647, 19540), (693, 19627), (744, 19741), (747, 19750), (780, 19855), (814, 19942), (843, 20050),

Gene: Delian_19 Start: 16674, Stop: 18320, Start Num: 175

Candidate Starts for Delian_19:

(156, 16638), (Start: 175 @16674 has 47 MA's), (213, 16776), (250, 16848), (253, 16854), (254, 16857), (294, 16953), (304, 16992), (345, 17073), (364, 17127), (370, 17142), (422, 17238), (456, 17313), (466, 17343), (549, 17526), (556, 17550), (604, 17694), (608, 17706), (661, 17766), (712, 17898), (713, 17901), (742, 18000), (747, 18018), (760, 18069), (780, 18135), (808, 18198), (813, 18210),

Gene: Deloris_29 Start: 20620, Stop: 22392, Start Num: 108

Candidate Starts for Deloris_29:

(Start: 90 @20596 has 8 MA's), (Start: 108 @20620 has 545 MA's), (173, 20719), (232, 20854), (233, 20857), (262, 20929), (264, 20932), (289, 20986), (292, 20992), (301, 21025), (318, 21070), (338, 21103), (373, 21190), (412, 21271), (413, 21274), (434, 21316), (513, 21460), (551, 21547), (592, 21652), (597, 21667), (637, 21793), (639, 21799), (669, 21847), (698, 21925), (701, 21931), (724, 21985), (735, 22024), (738, 22039), (760, 22123), (794, 22234),

Gene: Delrey21_34 Start: 30944, Stop: 32566, Start Num: 123

Candidate Starts for Delrey21_34:

(Start: 84 @30887 has 1 MA's), (Start: 123 @30944 has 17 MA's), (136, 30965), (173, 31028), (Start: 195 @31091 has 39 MA's), (227, 31151), (232, 31163), (266, 31250), (292, 31301), (300, 31331), (338, 31412), (351, 31439), (430, 31538), (443, 31568), (451, 31577), (463, 31613), (490, 31673), (515, 31721), (520, 31730), (558, 31829), (575, 31868), (581, 31880), (673, 32036), (678, 32048), (688, 32075), (711, 32132), (725, 32171), (727, 32180), (740, 32237), (743, 32249), (756, 32297), (759, 32306), (760, 32312), (766, 32333), (795, 32411), (835, 32549),

Gene: Denise_17 Start: 14794, Stop: 16503, Start Num: 195

Candidate Starts for Denise_17:

(Start: 195 @14794 has 39 MA's), (244, 14911), (269, 14983), (270, 14986), (301, 15061), (319, 15100), (328, 15115), (351, 15157), (359, 15184), (405, 15274), (406, 15277), (462, 15409), (487, 15463), (516, 15544), (541, 15604), (543, 15610), (576, 15697), (604, 15769), (610, 15787), (625, 15826), (647, 15898), (648, 15901), (655, 15922), (742, 16156), (746, 16171), (751, 16186), (757, 16213), (785, 16306), (787, 16309), (797, 16357), (810, 16387), (815, 16399), (824, 16444),

Gene: Devera_23 Start: 17169, Stop: 18935, Start Num: 79

Candidate Starts for Devera_23:

(Start: 79 @17169 has 139 MA's), (101, 17199), (184, 17358), (Start: 196 @17391 has 7 MA's), (210, 17421), (221, 17454), (227, 17466), (266, 17556), (283, 17592), (288, 17598), (310, 17670), (315, 17679), (338, 17718), (356, 17763), (357, 17766), (363, 17784), (365, 17787), (399, 17859), (412, 17901), (418, 17907), (430, 17934), (447, 17970), (479, 18027), (515, 18072), (525, 18090), (548, 18150), (558, 18180), (573, 18207), (612, 18312), (641, 18402), (681, 18471), (694, 18507), (706, 18537), (718, 18546), (745, 18621), (759, 18672), (795, 18771), (815, 18822), (834, 18906), (835, 18909), (843, 18927),

Gene: Dewey_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for Dewey_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197 @17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406, 18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: Dextert_33 Start: 27970, Stop: 29589, Start Num: 125

Candidate Starts for Dextert_33:

(Start: 125 @27970 has 11 MA's), (136, 27991), (173, 28054), (227, 28177), (232, 28189), (257, 28246), (292, 28324), (343, 28447), (430, 28561), (443, 28591), (462, 28633), (490, 28696), (515, 28744), (520, 28753), (541, 28804), (558, 28852), (622, 29017), (667, 29047), (711, 29155), (712, 29158), (727, 29203), (740, 29260), (742, 29266), (743, 29272), (756, 29320), (759, 29329), (760, 29335), (761, 29338), (776, 29389), (795, 29434), (818, 29503), (830, 29551), (833, 29563),

Gene: Dexes_28 Start: 21780, Stop: 23582, Start Num: 109

Candidate Starts for Dexes_28:

(Start: 109 @21780 has 207 MA's), (Start: 124 @21801 has 4 MA's), (Start: 146 @21843 has 1 MA's), (171, 21888), (264, 22104), (283, 22149), (289, 22158), (301, 22197), (321, 22248), (322, 22251), (413, 22446), (549, 22716), (551, 22719), (556, 22740), (596, 22836), (597, 22839), (599, 22845),

(623, 22914), (628, 22932), (630, 22941), (639, 22971), (681, 23067), (693, 23100), (698, 23115), (745, 23256), (760, 23313), (794, 23424),

Gene: Dhanush_27 Start: 19830, Stop: 21608, Start Num: 108

Candidate Starts for Dhanush_27:

(Start: 90 @19806 has 8 MA's), (Start: 108 @19830 has 545 MA's), (Start: 146 @19887 has 1 MA's), (Start: 175 @19941 has 47 MA's), (179, 19956), (184, 19974), (227, 20058), (232, 20070), (233, 20073), (264, 20148), (Start: 268 @20163 has 11 MA's), (289, 20202), (338, 20319), (373, 20406), (412, 20487), (435, 20535), (449, 20559), (495, 20646), (522, 20691), (551, 20763), (556, 20784), (563, 20802), (597, 20883), (628, 20976), (630, 20985), (637, 21009), (639, 21015), (647, 21039), (681, 21093), (689, 21114), (710, 21165), (719, 21189), (736, 21243), (760, 21339), (792, 21444), (795, 21459), (828, 21567), (833, 21585),

Gene: Dieselweasel_29 Start: 20380, Stop: 22176, Start Num: 108

Candidate Starts for Dieselweasel_29:

(Start: 108 @20380 has 545 MA's), (Start: 146 @20437 has 1 MA's), (154, 20452), (173, 20485), (179, 20506), (Start: 183 @20521 has 1 MA's), (227, 20608), (232, 20620), (233, 20623), (264, 20698), (Start: 268 @20713 has 11 MA's), (288, 20749), (373, 20956), (430, 21070), (449, 21109), (495, 21196), (549, 21310), (556, 21334), (563, 21352), (576, 21391), (597, 21433), (623, 21508), (628, 21526), (637, 21559), (639, 21565), (653, 21604), (680, 21658), (681, 21661), (689, 21682), (713, 21739), (760, 21907), (792, 22012), (794, 22018), (833, 22153),

Gene: Dignity_30 Start: 20641, Stop: 22413, Start Num: 108

Candidate Starts for Dignity_30:

(Start: 90 @20617 has 8 MA's), (Start: 108 @20641 has 545 MA's), (173, 20740), (202, 20824), (232, 20875), (233, 20878), (262, 20950), (264, 20953), (289, 21007), (301, 21046), (338, 21124), (373, 21211), (412, 21292), (413, 21295), (513, 21481), (551, 21568), (592, 21673), (597, 21688), (637, 21814), (639, 21820), (669, 21868), (698, 21946), (701, 21952), (724, 22006), (735, 22045), (738, 22060), (760, 22144), (794, 22255),

Gene: DillTech15_16 Start: 14841, Stop: 16550, Start Num: 87

Candidate Starts for DillTech15_16:

(Start: 87 @14841 has 207 MA's), (150, 14928), (Start: 175 @14973 has 47 MA's), (182, 14997), (230, 15102), (233, 15108), (242, 15126), (257, 15156), (300, 15261), (320, 15315), (323, 15321), (329, 15330), (342, 15351), (352, 15375), (365, 15411), (368, 15417), (396, 15450), (398, 15453), (402, 15462), (408, 15477), (410, 15483), (420, 15501), (427, 15516), (429, 15522), (435, 15540), (436, 15543), (445, 15558), (455, 15573), (456, 15579), (474, 15627), (480, 15639), (484, 15645), (515, 15705), (522, 15717), (538, 15753), (541, 15765), (571, 15840), (573, 15849), (581, 15867), (584, 15873), (667, 16008), (673, 16020), (687, 16056), (751, 16254), (759, 16287), (768, 16317), (776, 16347), (779, 16356), (781, 16362), (792, 16377), (793, 16380), (798, 16401), (800, 16404), (817, 16446), (822, 16476), (833, 16518), (834, 16524),

Gene: Dina_17 Start: 16286, Stop: 17983, Start Num: 83

Candidate Starts for Dina_17:

(Start: 83 @16286 has 8 MA's), (Start: 99 @16307 has 4 MA's), (153, 16391), (169, 16418), (171, 16424), (229, 16556), (251, 16607), (264, 16640), (266, 16649), (321, 16784), (341, 16817), (350, 16835), (369, 16889), (399, 16934), (423, 16991), (428, 17003), (444, 17042), (500, 17093), (507, 17102), (517, 17123), (545, 17189), (576, 17279), (619, 17387), (634, 17441), (637, 17447), (647, 17465), (703, 17561), (720, 17582), (737, 17627), (782, 17786), (789, 17801), (793, 17816), (795, 17828), (838, 17972),

Gene: Dinger_23 Start: 16304, Stop: 17944, Start Num: 120

Candidate Starts for Dinger_23:

(Start: 120 @16304 has 4 MA's), (Start: 130 @16319 has 32 MA's), (169, 16388), (181, 16424), (264, 16610), (313, 16739), (338, 16781), (347, 16799), (351, 16808), (358, 16832), (365, 16850), (392, 16880), (395, 16895), (397, 16898), (410, 16937), (413, 16946), (456, 17030), (540, 17147), (551, 17171), (596, 17285), (623, 17363), (633, 17402), (637, 17414), (640, 17423), (669, 17444), (698, 17522), (757, 17669), (788, 17768), (792, 17783), (838, 17936),

Gene: DinoDaryn_24 Start: 16702, Stop: 18030, Start Num: 268

Candidate Starts for DinoDaryn_24:

(Start: 268 @16702 has 11 MA's), (275, 16717), (330, 16831), (346, 16861), (361, 16906), (392, 16951), (410, 17008), (423, 17026), (426, 17035), (434, 17059), (436, 17065), (437, 17068), (462, 17119), (466, 17131), (532, 17173), (549, 17224), (553, 17233), (560, 17242), (578, 17287), (623, 17398), (635, 17443), (665, 17512), (679, 17533), (713, 17614), (725, 17647), (751, 17734), (760, 17770), (764, 17785), (767, 17794), (787, 17836), (816, 17929), (819, 17947), (833, 18004), (835, 18013),

Gene: DirtMcgirt_17 Start: 14762, Stop: 16339, Start Num: 175

Candidate Starts for DirtMcgirt_17:

(Start: 87 @14630 has 207 MA's), (150, 14717), (Start: 175 @14762 has 47 MA's), (182, 14786), (203, 14843), (230, 14891), (233, 14897), (242, 14915), (257, 14945), (300, 15050), (320, 15104), (323, 15110), (329, 15119), (338, 15131), (342, 15140), (352, 15164), (365, 15200), (368, 15206), (374, 15218), (396, 15239), (398, 15242), (402, 15251), (408, 15266), (410, 15272), (420, 15290), (427, 15305), (429, 15311), (435, 15329), (436, 15332), (445, 15347), (455, 15362), (456, 15368), (466, 15398), (474, 15416), (480, 15428), (484, 15434), (515, 15494), (522, 15506), (538, 15542), (541, 15554), (549, 15575), (571, 15629), (573, 15638), (584, 15662), (596, 15692), (667, 15797), (673, 15809), (687, 15845), (701, 15884), (716, 15923), (744, 16022), (751, 16043), (759, 16076), (768, 16106), (776, 16136), (779, 16145), (781, 16151), (792, 16166), (793, 16169), (798, 16190), (800, 16193), (817, 16235), (822, 16265), (833, 16307), (834, 16313),

Gene: DirtyDunning_27 Start: 19823, Stop: 21601, Start Num: 108

Candidate Starts for DirtyDunning_27:

(Start: 90 @19799 has 8 MA's), (Start: 108 @19823 has 545 MA's), (Start: 146 @19880 has 1 MA's), (Start: 175 @19934 has 47 MA's), (179, 19949), (184, 19967), (227, 20051), (232, 20063), (233, 20066), (264, 20141), (Start: 268 @20156 has 11 MA's), (289, 20195), (338, 20312), (373, 20399), (412, 20480), (435, 20528), (449, 20552), (495, 20639), (522, 20684), (551, 20756), (556, 20777), (563, 20795), (597, 20876), (628, 20969), (630, 20978), (637, 21002), (639, 21008), (647, 21032), (681, 21086), (689, 21107), (710, 21158), (719, 21182), (760, 21332), (792, 21437), (795, 21452), (828, 21560), (833, 21578),

Gene: Discoknowium_24 Start: 19773, Stop: 21572, Start Num: 108

Candidate Starts for Discoknowium_24:

(Start: 108 @19773 has 545 MA's), (Start: 175 @19878 has 47 MA's), (184, 19911), (233, 20010), (264, 20085), (Start: 268 @20100 has 11 MA's), (288, 20136), (310, 20208), (318, 20223), (338, 20256), (341, 20262), (441, 20487), (446, 20493), (495, 20583), (546, 20688), (549, 20697), (563, 20739), (569, 20757), (596, 20817), (597, 20820), (623, 20895), (628, 20913), (680, 21054), (693, 21090), (760, 21303), (791, 21405), (794, 21414), (827, 21528), (833, 21549), (835, 21558),

Gene: DismalFunk_19 Start: 15013, Stop: 16782, Start Num: 78

Candidate Starts for DismalFunk_19:

(Start: 62 @14977 has 1 MA's), (Start: 75 @15007 has 25 MA's), (Start: 78 @15013 has 41 MA's), (Start: 97 @15028 has 44 MA's), (129, 15070), (154, 15118), (Start: 175 @15157 has 47 MA's), (179, 15172), (Start: 196 @15223 has 7 MA's), (210, 15253), (221, 15286), (227, 15298), (234, 15316), (266, 15388), (Start: 268 @15394 has 11 MA's), (306, 15490), (310, 15502), (359, 15604), (365, 15619), (383, 15655), (399, 15691), (418, 15739), (434, 15778), (447, 15802), (454, 15814), (515, 15904),

(520, 15913), (612, 16159), (630, 16213), (647, 16267), (706, 16381), (718, 16390), (745, 16465), (759, 16516), (760, 16522), (792, 16603), (795, 16618), (816, 16672), (834, 16753), (843, 16774),

Gene: DismalStressor_19 Start: 15013, Stop: 16782, Start Num: 78

Candidate Starts for DismalStressor_19:

(Start: 62 @14977 has 1 MA's), (Start: 75 @15007 has 25 MA's), (Start: 78 @15013 has 41 MA's), (Start: 97 @15028 has 44 MA's), (129, 15070), (154, 15118), (Start: 175 @15157 has 47 MA's), (179, 15172), (Start: 196 @15223 has 7 MA's), (210, 15253), (221, 15286), (227, 15298), (234, 15316), (266, 15388), (Start: 268 @15394 has 11 MA's), (306, 15490), (310, 15502), (359, 15604), (365, 15619), (383, 15655), (399, 15691), (418, 15739), (434, 15778), (447, 15802), (454, 15814), (515, 15904), (520, 15913), (612, 16159), (630, 16213), (647, 16267), (706, 16381), (718, 16390), (745, 16465), (759, 16516), (760, 16522), (792, 16603), (795, 16618), (816, 16672), (834, 16753), (843, 16774),

Gene: Dixon_24 Start: 18653, Stop: 20443, Start Num: 108

Candidate Starts for Dixon_24:

(Start: 90 @18629 has 8 MA's), (Start: 108 @18653 has 545 MA's), (170, 18746), (184, 18791), (233, 18890), (247, 18926), (264, 18965), (Start: 268 @18980 has 11 MA's), (288, 19016), (338, 19136), (341, 19142), (399, 19262), (456, 19391), (495, 19463), (549, 19577), (628, 19793), (637, 19826), (681, 19928), (693, 19961), (698, 19976), (713, 20006), (791, 20276), (794, 20285), (795, 20294), (830, 20408),

Gene: DmpstrDiver_35 Start: 27492, Stop: 29490, Start Num: 89

Candidate Starts for DmpstrDiver_35:

(Start: 89 @27492 has 30 MA's), (Start: 147 @27582 has 45 MA's), (172, 27630), (182, 27660), (193, 27687), (244, 27789), (259, 27819), (275, 27870), (298, 27918), (309, 27954), (310, 27960), (321, 27981), (356, 28053), (359, 28062), (368, 28083), (429, 28191), (430, 28194), (435, 28209), (456, 28248), (474, 28296), (480, 28308), (484, 28314), (503, 28362), (507, 28371), (517, 28392), (526, 28410), (545, 28458), (581, 28560), (610, 28632), (627, 28677), (629, 28689), (656, 28824), (657, 28830), (658, 28854), (659, 28926), (665, 28953), (752, 29202),

Gene: DoRead_16 Start: 14774, Stop: 16483, Start Num: 87

Candidate Starts for DoRead_16:

(Start: 87 @14774 has 207 MA's), (150, 14861), (Start: 175 @14906 has 47 MA's), (182, 14930), (230, 15035), (233, 15041), (242, 15059), (257, 15089), (300, 15194), (323, 15254), (329, 15263), (337, 15272), (338, 15275), (342, 15284), (351, 15302), (352, 15308), (396, 15383), (420, 15434), (427, 15449), (429, 15455), (445, 15491), (448, 15494), (455, 15506), (456, 15512), (474, 15560), (480, 15572), (484, 15578), (515, 15638), (522, 15650), (538, 15686), (541, 15698), (571, 15773), (573, 15782), (581, 15800), (584, 15806), (596, 15836), (667, 15941), (671, 15950), (673, 15953), (687, 15989), (716, 16067), (744, 16166), (751, 16187), (759, 16220), (768, 16250), (776, 16280), (779, 16289), (781, 16295), (792, 16310), (793, 16313), (800, 16337), (813, 16367), (817, 16379), (822, 16409), (833, 16451),

Gene: DobbysSock_19 Start: 16820, Stop: 18400, Start Num: 194

Candidate Starts for DobbysSock_19:

(149, 16703), (Start: 194 @16820 has 87 MA's), (310, 17078), (321, 17099), (351, 17153), (363, 17192), (397, 17249), (405, 17270), (518, 17441), (527, 17459), (537, 17483), (543, 17504), (564, 17546), (592, 17627), (623, 17717), (655, 17819), (662, 17822), (682, 17876), (767, 18146), (796, 18245), (797, 18254), (810, 18284),

Gene: DocMcStuffins_17 Start: 14677, Stop: 16386, Start Num: 87

Candidate Starts for DocMcStuffins_17:

(Start: 87 @14677 has 207 MA's), (150, 14764), (Start: 175 @14809 has 47 MA's), (182, 14833), (230, 14938), (233, 14944), (242, 14962), (247, 14971), (257, 14992), (300, 15097), (323, 15157), (329,

15166), (338, 15178), (342, 15187), (352, 15211), (365, 15247), (368, 15253), (374, 15265), (396, 15286), (398, 15289), (402, 15298), (408, 15313), (410, 15319), (420, 15337), (427, 15352), (429, 15358), (435, 15376), (436, 15379), (445, 15394), (455, 15409), (456, 15415), (474, 15463), (480, 15475), (484, 15481), (515, 15541), (522, 15553), (526, 15562), (538, 15589), (541, 15601), (571, 15676), (573, 15685), (581, 15703), (584, 15709), (596, 15739), (667, 15844), (671, 15853), (673, 15856), (687, 15892), (716, 15970), (744, 16069), (751, 16090), (759, 16123), (768, 16153), (776, 16183), (778, 16189), (779, 16192), (781, 16198), (792, 16213), (793, 16216), (798, 16237), (800, 16240), (817, 16282), (833, 16354), (834, 16360),

Gene: DoctorDiddles_24 Start: 18992, Stop: 20587, Start Num: 147

Candidate Starts for DoctorDiddles_24:

(Start: 94 @18908 has 79 MA's), (Start: 147 @18992 has 45 MA's), (Start: 183 @19070 has 1 MA's), (227, 19157), (233, 19172), (257, 19220), (271, 19259), (306, 19346), (321, 19379), (342, 19415), (354, 19445), (356, 19451), (400, 19520), (424, 19550), (428, 19562), (429, 19565), (456, 19622), (517, 19754), (520, 19760), (547, 19826), (549, 19832), (556, 19856), (573, 19904), (584, 19928), (589, 19937), (616, 20012), (671, 20063), (678, 20078), (736, 20240), (742, 20267), (751, 20297), (780, 20402), (815, 20480), (822, 20516), (824, 20525), (833, 20558), (838, 20573),

Gene: DoctorFroggo_34 Start: 30944, Stop: 32566, Start Num: 123

Candidate Starts for DoctorFroggo_34:

(Start: 84 @30887 has 1 MA's), (Start: 123 @30944 has 17 MA's), (136, 30965), (173, 31028), (Start: 195 @31091 has 39 MA's), (227, 31151), (232, 31163), (266, 31250), (292, 31301), (300, 31331), (338, 31412), (351, 31439), (430, 31538), (443, 31568), (451, 31577), (463, 31613), (490, 31673), (515, 31721), (520, 31730), (558, 31829), (575, 31868), (581, 31880), (673, 32036), (678, 32048), (688, 32075), (711, 32132), (725, 32171), (727, 32180), (740, 32237), (743, 32249), (756, 32297), (759, 32306), (760, 32312), (766, 32333), (795, 32411), (835, 32549),

Gene: Dogfish_21 Start: 18185, Stop: 19831, Start Num: 157

Candidate Starts for Dogfish_21:

(Start: 157 @18185 has 3 MA's), (188, 18275), (Start: 198 @18299 has 1 MA's), (200, 18305), (242, 18383), (267, 18449), (269, 18455), (312, 18566), (316, 18575), (333, 18602), (338, 18611), (349, 18632), (428, 18803), (429, 18806), (458, 18872), (463, 18887), (488, 18941), (498, 18971), (508, 18980), (529, 19022), (538, 19043), (555, 19091), (557, 19103), (566, 19130), (594, 19199), (620, 19268), (667, 19301), (691, 19358), (712, 19409), (733, 19478), (756, 19565), (760, 19580), (777, 19637), (780, 19646), (814, 19724), (816, 19730),

Gene: Dole_23 Start: 17171, Stop: 18937, Start Num: 79

Candidate Starts for Dole_23:

(Start: 79 @17171 has 139 MA's), (101, 17201), (184, 17360), (Start: 196 @17393 has 7 MA's), (210, 17423), (221, 17456), (227, 17468), (266, 17558), (283, 17594), (288, 17600), (310, 17672), (315, 17681), (338, 17720), (356, 17765), (357, 17768), (363, 17786), (365, 17789), (399, 17861), (412, 17903), (418, 17909), (430, 17936), (447, 17972), (479, 18029), (515, 18074), (525, 18092), (548, 18152), (558, 18182), (573, 18209), (612, 18314), (641, 18404), (681, 18473), (694, 18509), (706, 18539), (718, 18548), (745, 18623), (759, 18674), (795, 18773), (815, 18824), (834, 18908), (835, 18911), (843, 18929),

Gene: Dolores_20 Start: 17322, Stop: 18902, Start Num: 194

Candidate Starts for Dolores_20:

(149, 17205), (Start: 194 @17322 has 87 MA's), (310, 17580), (321, 17601), (351, 17655), (363, 17694), (397, 17751), (405, 17772), (518, 17943), (527, 17961), (537, 17985), (543, 18006), (564, 18048), (592, 18129), (623, 18219), (635, 18264), (655, 18321), (662, 18324), (682, 18378), (716, 18468), (796, 18747), (797, 18756), (810, 18786),

Gene: DonkeyMan_18 Start: 14949, Stop: 16565, Start Num: 117

Candidate Starts for DonkeyMan_18:

(Start: 117 @14949 has 11 MA's), (173, 15048), (180, 15072), (232, 15183), (233, 15186), (241, 15204), (244, 15213), (270, 15279), (277, 15294), (284, 15303), (287, 15309), (310, 15381), (319, 15399), (350, 15453), (352, 15462), (373, 15516), (429, 15552), (430, 15555), (477, 15663), (512, 15735), (515, 15741), (520, 15750), (529, 15768), (561, 15858), (610, 15972), (615, 15990), (622, 16002), (681, 16068), (700, 16116), (704, 16128), (711, 16140), (717, 16161), (722, 16173), (727, 16188), (736, 16218), (744, 16254), (809, 16443), (825, 16506), (831, 16527), (838, 16551),

Gene: Donkeykong_16 Start: 14982, Stop: 16691, Start Num: 87

Candidate Starts for Donkeykong_16:

(Start: 87 @14982 has 207 MA's), (150, 15069), (Start: 175 @15114 has 47 MA's), (182, 15138), (203, 15195), (230, 15243), (233, 15249), (242, 15267), (257, 15297), (300, 15402), (323, 15462), (329, 15471), (342, 15492), (352, 15516), (368, 15558), (396, 15591), (402, 15603), (408, 15618), (410, 15624), (420, 15642), (427, 15657), (429, 15663), (445, 15699), (455, 15714), (456, 15720), (474, 15768), (480, 15780), (484, 15786), (515, 15846), (522, 15858), (538, 15894), (541, 15906), (571, 15981), (573, 15990), (581, 16008), (584, 16014), (596, 16044), (667, 16149), (671, 16158), (673, 16161), (687, 16197), (716, 16275), (744, 16374), (751, 16395), (759, 16428), (768, 16458), (776, 16488), (779, 16497), (781, 16503), (792, 16518), (793, 16521), (800, 16545), (813, 16575), (817, 16587), (822, 16617), (833, 16659),

Gene: Donovan_19 Start: 16374, Stop: 18110, Start Num: 82

Candidate Starts for Donovan_19:

(Start: 71 @16350 has 2 MA's), (Start: 82 @16374 has 44 MA's), (128, 16434), (136, 16455), (138, 16458), (Start: 195 @16578 has 39 MA's), (213, 16617), (232, 16650), (244, 16674), (296, 16794), (306, 16833), (309, 16839), (351, 16923), (352, 16929), (356, 16941), (365, 16965), (379, 16992), (400, 17010), (417, 17049), (420, 17055), (430, 17079), (456, 17133), (461, 17145), (463, 17154), (490, 17214), (526, 17292), (541, 17331), (554, 17364), (573, 17430), (578, 17445), (584, 17454), (594, 17478), (605, 17508), (610, 17520), (682, 17622), (689, 17634), (691, 17637), (692, 17643), (695, 17652), (734, 17760), (755, 17844), (787, 17943), (824, 18051), (838, 18099),

Gene: DontArgue_26 Start: 18145, Stop: 19923, Start Num: 108

Candidate Starts for DontArgue_26:

(Start: 90 @18121 has 8 MA's), (Start: 108 @18145 has 545 MA's), (Start: 146 @18202 has 1 MA's), (154, 18217), (171, 18247), (179, 18271), (232, 18385), (233, 18388), (264, 18463), (338, 18634), (373, 18721), (410, 18796), (430, 18835), (495, 18961), (522, 19006), (556, 19099), (559, 19111), (628, 19291), (630, 19300), (637, 19324), (639, 19330), (645, 19345), (669, 19378), (689, 19429), (760, 19654), (792, 19759), (794, 19765), (795, 19774), (833, 19900),

Gene: Doom_28 Start: 21888, Stop: 23690, Start Num: 109

Candidate Starts for Doom_28:

(Start: 109 @21888 has 207 MA's), (Start: 124 @21909 has 4 MA's), (Start: 146 @21951 has 1 MA's), (171, 21996), (264, 22212), (283, 22257), (289, 22266), (301, 22305), (321, 22356), (322, 22359), (413, 22554), (449, 22623), (549, 22824), (551, 22827), (556, 22848), (596, 22944), (597, 22947), (599, 22953), (623, 23022), (628, 23040), (630, 23049), (639, 23079), (681, 23175), (693, 23208), (698, 23223), (745, 23364), (760, 23421), (794, 23532), (840, 23685),

Gene: Doomphist_16 Start: 14940, Stop: 16649, Start Num: 87

Candidate Starts for Doomphist_16:

(Start: 87 @14940 has 207 MA's), (150, 15027), (Start: 175 @15072 has 47 MA's), (182, 15096), (230, 15201), (233, 15207), (242, 15225), (257, 15255), (300, 15360), (323, 15420), (338, 15441), (342, 15450), (352, 15474), (396, 15549), (420, 15600), (427, 15615), (429, 15621), (445, 15657), (448, 15660), (455, 15672), (456, 15678), (474, 15726), (480, 15738), (484, 15744), (515, 15804), (522,

15816), (538, 15852), (541, 15864), (571, 15939), (573, 15948), (581, 15966), (584, 15972), (596, 16002), (667, 16107), (673, 16119), (687, 16155), (716, 16233), (744, 16332), (751, 16353), (759, 16386), (768, 16416), (776, 16446), (778, 16452), (779, 16455), (781, 16461), (792, 16476), (793, 16479), (798, 16500), (800, 16503), (817, 16545), (833, 16617), (834, 16623),

Gene: Dorito_19 Start: 16822, Stop: 18402, Start Num: 194

Candidate Starts for Dorito_19:

(18, 16045), (25, 16201), (34, 16396), (36, 16432), (37, 16435), (52, 16519), (54, 16525), (119, 16651), (149, 16705), (Start: 194 @16822 has 87 MA's), (274, 16993), (310, 17080), (319, 17098), (321, 17101), (351, 17155), (363, 17194), (397, 17251), (405, 17272), (518, 17443), (527, 17461), (537, 17485), (543, 17506), (564, 17548), (592, 17629), (623, 17719), (655, 17821), (682, 17878), (716, 17968), (796, 18247), (797, 18256), (810, 18286),

Gene: Dorothea_31 Start: 19977, Stop: 21749, Start Num: 108

Candidate Starts for Dorothea_31:

(65, 19911), (Start: 90 @19953 has 8 MA's), (Start: 108 @19977 has 545 MA's), (208, 20175), (233, 20214), (262, 20286), (264, 20289), (269, 20307), (289, 20343), (292, 20349), (338, 20460), (341, 20466), (373, 20547), (399, 20586), (412, 20628), (413, 20631), (441, 20691), (557, 20928), (563, 20943), (597, 21024), (627, 21111), (639, 21156), (698, 21282), (720, 21333), (724, 21342), (735, 21381), (736, 21384), (738, 21396), (760, 21480), (792, 21585), (794, 21591), (833, 21726),

Gene: Dorothy_16 Start: 14766, Stop: 16475, Start Num: 87

Candidate Starts for Dorothy_16:

(Start: 87 @14766 has 207 MA's), (150, 14853), (Start: 175 @14898 has 47 MA's), (182, 14922), (230, 15027), (233, 15033), (242, 15051), (257, 15081), (300, 15186), (323, 15246), (338, 15267), (342, 15276), (352, 15300), (420, 15426), (427, 15441), (429, 15447), (445, 15483), (448, 15486), (455, 15498), (456, 15504), (474, 15552), (480, 15564), (484, 15570), (515, 15630), (522, 15642), (538, 15678), (541, 15690), (571, 15765), (573, 15774), (581, 15792), (584, 15798), (596, 15828), (667, 15933), (671, 15942), (673, 15945), (687, 15981), (716, 16059), (744, 16158), (751, 16179), (759, 16212), (768, 16242), (776, 16272), (779, 16281), (781, 16287), (792, 16302), (793, 16305), (798, 16326), (800, 16329), (817, 16371), (822, 16401), (833, 16443),

Gene: DosHalletts_17 Start: 14741, Stop: 16450, Start Num: 87

Candidate Starts for DosHalletts_17:

(Start: 87 @14741 has 207 MA's), (150, 14828), (Start: 175 @14873 has 47 MA's), (182, 14897), (214, 14975), (230, 15002), (233, 15008), (242, 15026), (257, 15056), (300, 15161), (323, 15221), (338, 15242), (342, 15251), (352, 15275), (368, 15317), (396, 15350), (402, 15362), (408, 15377), (420, 15401), (427, 15416), (429, 15422), (445, 15458), (455, 15473), (456, 15479), (474, 15527), (480, 15539), (484, 15545), (515, 15605), (522, 15617), (538, 15653), (541, 15665), (571, 15740), (573, 15749), (581, 15767), (584, 15773), (596, 15803), (667, 15908), (671, 15917), (673, 15920), (687, 15956), (716, 16034), (744, 16133), (751, 16154), (759, 16187), (768, 16217), (775, 16244), (776, 16247), (779, 16256), (781, 16262), (792, 16277), (793, 16280), (798, 16301), (800, 16304), (805, 16313), (817, 16346), (822, 16376), (833, 16418),

Gene: DotProduct_16 Start: 14816, Stop: 16525, Start Num: 87

Candidate Starts for DotProduct_16:

(Start: 87 @14816 has 207 MA's), (150, 14903), (Start: 175 @14948 has 47 MA's), (182, 14972), (187, 14993), (230, 15077), (233, 15083), (242, 15101), (257, 15131), (300, 15236), (323, 15296), (329, 15305), (338, 15317), (342, 15326), (352, 15350), (396, 15425), (398, 15428), (408, 15452), (410, 15458), (420, 15476), (427, 15491), (429, 15497), (435, 15515), (436, 15518), (445, 15533), (448, 15536), (455, 15548), (456, 15554), (466, 15584), (474, 15602), (480, 15614), (484, 15620), (515, 15680), (522, 15692), (538, 15728), (541, 15740), (549, 15761), (571, 15815), (573, 15824), (584, 15848), (596, 15878), (667, 15983), (671, 15992), (673, 15995), (687, 16031), (701, 16070), (716,

16109), (744, 16208), (751, 16229), (759, 16262), (768, 16292), (776, 16322), (779, 16331), (781, 16337), (792, 16352), (793, 16355), (798, 16376), (800, 16379), (817, 16421), (822, 16451), (833, 16493), (834, 16499),

Gene: Doug_17 Start: 15357, Stop: 17066, Start Num: 87

Candidate Starts for Doug_17:

(Start: 87 @15357 has 207 MA's), (150, 15444), (Start: 175 @15489 has 47 MA's), (182, 15513), (230, 15618), (233, 15624), (242, 15642), (257, 15672), (300, 15777), (323, 15837), (338, 15858), (342, 15867), (352, 15891), (420, 16017), (427, 16032), (429, 16038), (445, 16074), (448, 16077), (455, 16089), (456, 16095), (474, 16143), (480, 16155), (484, 16161), (515, 16221), (522, 16233), (538, 16269), (541, 16281), (549, 16302), (571, 16356), (573, 16365), (581, 16383), (584, 16389), (667, 16524), (673, 16536), (687, 16572), (716, 16650), (744, 16749), (751, 16770), (759, 16803), (768, 16833), (776, 16863), (778, 16869), (779, 16872), (781, 16878), (792, 16893), (793, 16896), (798, 16917), (800, 16920), (817, 16962), (833, 17034),

Gene: Dove_34 Start: 26623, Stop: 28356, Start Num: 89

Candidate Starts for Dove_34:

(Start: 89 @26623 has 30 MA's), (Start: 147 @26713 has 45 MA's), (172, 26761), (182, 26791), (193, 26818), (244, 26920), (259, 26950), (298, 27049), (309, 27085), (310, 27091), (321, 27112), (356, 27184), (359, 27193), (368, 27214), (410, 27283), (429, 27322), (430, 27325), (435, 27340), (456, 27379), (474, 27427), (480, 27439), (484, 27445), (503, 27493), (507, 27502), (517, 27523), (526, 27541), (545, 27589), (581, 27691), (605, 27751), (610, 27763), (678, 27847), (681, 27859), (682, 27865), (689, 27877), (691, 27880), (704, 27919), (713, 27937), (726, 27973), (727, 27979), (751, 28066), (775, 28156), (795, 28198), (803, 28216), (814, 28246), (823, 28288), (838, 28342),

Gene: DrDrey_25 Start: 20238, Stop: 21917, Start Num: 94

Candidate Starts for DrDrey_25:

(Start: 94 @20238 has 79 MA's), (Start: 147 @20322 has 45 MA's), (Start: 183 @20400 has 1 MA's), (227, 20487), (233, 20502), (257, 20550), (271, 20589), (306, 20676), (321, 20709), (342, 20745), (354, 20775), (356, 20781), (400, 20850), (424, 20880), (428, 20892), (429, 20895), (456, 20952), (517, 21084), (520, 21090), (547, 21156), (549, 21162), (556, 21186), (573, 21234), (584, 21258), (589, 21267), (616, 21342), (671, 21393), (678, 21408), (736, 21570), (742, 21597), (751, 21627), (780, 21732), (815, 21810), (822, 21846), (824, 21855), (833, 21888), (838, 21903),

Gene: DrFeelGood_26 Start: 21434, Stop: 23236, Start Num: 109

Candidate Starts for DrFeelGood_26:

(Start: 109 @21434 has 207 MA's), (Start: 124 @21455 has 4 MA's), (Start: 146 @21497 has 1 MA's), (171, 21542), (264, 21758), (283, 21803), (289, 21812), (301, 21851), (321, 21902), (322, 21905), (413, 22100), (449, 22169), (549, 22370), (551, 22373), (556, 22394), (596, 22490), (597, 22493), (599, 22499), (623, 22568), (628, 22586), (630, 22595), (639, 22625), (681, 22721), (693, 22754), (698, 22769), (745, 22910), (760, 22967), (794, 23078), (840, 23231),

Gene: DrHayes_23 Start: 17102, Stop: 18868, Start Num: 79

Candidate Starts for DrHayes_23:

(Start: 79 @17102 has 139 MA's), (101, 17132), (184, 17291), (Start: 196 @17324 has 7 MA's), (210, 17354), (221, 17387), (227, 17399), (266, 17489), (288, 17531), (310, 17603), (315, 17612), (338, 17651), (356, 17696), (365, 17720), (399, 17792), (412, 17834), (418, 17840), (430, 17867), (515, 18005), (525, 18023), (541, 18065), (558, 18113), (573, 18140), (612, 18245), (641, 18335), (694, 18440), (706, 18470), (718, 18479), (745, 18554), (759, 18605), (824, 18800), (834, 18839), (835, 18842), (843, 18860),

Gene: Drago_17 Start: 14628, Stop: 16337, Start Num: 87

Candidate Starts for Drago_17:

(Start: 87 @14628 has 207 MA's), (150, 14715), (Start: 175 @14760 has 47 MA's), (182, 14784), (203, 14841), (230, 14889), (233, 14895), (242, 14913), (257, 14943), (300, 15048), (320, 15102), (323, 15108), (329, 15117), (338, 15129), (342, 15138), (352, 15162), (365, 15198), (368, 15204), (374, 15216), (396, 15237), (398, 15240), (402, 15249), (408, 15264), (410, 15270), (420, 15288), (427, 15303), (429, 15309), (435, 15327), (436, 15330), (445, 15345), (455, 15360), (456, 15366), (466, 15396), (474, 15414), (480, 15426), (484, 15432), (515, 15492), (522, 15504), (538, 15540), (541, 15552), (549, 15573), (571, 15627), (573, 15636), (584, 15660), (596, 15690), (667, 15795), (673, 15807), (687, 15843), (701, 15882), (716, 15921), (744, 16020), (751, 16041), (759, 16074), (768, 16104), (776, 16134), (779, 16143), (781, 16149), (792, 16164), (793, 16167), (798, 16188), (800, 16191), (817, 16233), (822, 16263), (833, 16305), (834, 16311),

Gene: Drake55_30 Start: 20670, Stop: 22442, Start Num: 108

Candidate Starts for Drake55_30:

(Start: 90 @20646 has 8 MA's), (Start: 108 @20670 has 545 MA's), (Start: 183 @20805 has 1 MA's), (232, 20904), (233, 20907), (262, 20979), (264, 20982), (289, 21036), (292, 21042), (310, 21105), (338, 21153), (352, 21186), (356, 21198), (373, 21240), (412, 21321), (413, 21324), (430, 21354), (513, 21510), (551, 21597), (592, 21702), (597, 21717), (636, 21840), (637, 21843), (639, 21849), (669, 21897), (693, 21960), (698, 21975), (701, 21981), (724, 22035), (735, 22074), (738, 22089), (747, 22122), (759, 22167), (792, 22278), (794, 22284), (813, 22338),

Gene: Drake94_26 Start: 17881, Stop: 19659, Start Num: 108

Candidate Starts for Drake94_26:

(Start: 90 @17857 has 8 MA's), (Start: 108 @17881 has 545 MA's), (Start: 146 @17938 has 1 MA's), (154, 17953), (179, 18007), (232, 18121), (233, 18124), (264, 18199), (279, 18238), (338, 18370), (373, 18457), (410, 18532), (430, 18571), (449, 18610), (495, 18697), (522, 18742), (549, 18811), (556, 18835), (559, 18847), (563, 18853), (628, 19027), (630, 19036), (637, 19060), (639, 19066), (645, 19081), (669, 19114), (689, 19165), (713, 19222), (714, 19228), (760, 19390), (792, 19495), (794, 19501), (795, 19510), (833, 19636),

Gene: DreamCatcher_30 Start: 22505, Stop: 24307, Start Num: 109

Candidate Starts for DreamCatcher_30:

(Start: 109 @22505 has 207 MA's), (Start: 124 @22526 has 4 MA's), (Start: 146 @22568 has 1 MA's), (171, 22613), (264, 22829), (283, 22874), (289, 22883), (301, 22922), (321, 22973), (322, 22976), (413, 23171), (449, 23240), (549, 23441), (551, 23444), (556, 23465), (596, 23561), (597, 23564), (599, 23570), (623, 23639), (628, 23657), (630, 23666), (639, 23696), (681, 23792), (693, 23825), (698, 23840), (745, 23981), (760, 24038), (794, 24149), (840, 24302),

Gene: DreamTeam1_28 Start: 19699, Stop: 21489, Start Num: 108

Candidate Starts for DreamTeam1_28:

(65, 19633), (Start: 90 @19675 has 8 MA's), (Start: 108 @19699 has 545 MA's), (232, 19933), (233, 19936), (262, 20008), (264, 20011), (Start: 268 @20026 has 11 MA's), (269, 20029), (289, 20065), (292, 20071), (306, 20122), (318, 20149), (321, 20155), (338, 20182), (341, 20188), (352, 20215), (373, 20269), (412, 20350), (413, 20353), (441, 20413), (540, 20602), (563, 20665), (583, 20716), (597, 20746), (637, 20872), (681, 20974), (683, 20983), (693, 21007), (698, 21022), (710, 21046), (735, 21121), (738, 21136), (760, 21220), (792, 21325), (794, 21331), (813, 21385), (824, 21433),

Gene: Dreamboat_28 Start: 21057, Stop: 22859, Start Num: 109

Candidate Starts for Dreamboat_28:

(Start: 109 @21057 has 207 MA's), (Start: 124 @21078 has 4 MA's), (Start: 146 @21120 has 1 MA's), (171, 21165), (264, 21381), (283, 21426), (289, 21435), (321, 21525), (322, 21528), (413, 21723), (449, 21792), (549, 21993), (551, 21996), (556, 22017), (596, 22113), (597, 22116), (599, 22122), (623, 22191), (628, 22209), (630, 22218), (639, 22248), (681, 22344), (693, 22377), (698, 22392), (745, 22533), (760, 22590), (794, 22701),

Gene: DroogsArmy_28 Start: 22621, Stop: 24423, Start Num: 108

Candidate Starts for DroogsArmy_28:

(Start: 99 @22609 has 4 MA's), (Start: 108 @22621 has 545 MA's), (145, 22666), (155, 22687), (232, 22852), (233, 22855), (264, 22930), (Start: 268 @22945 has 11 MA's), (341, 23107), (343, 23113), (373, 23188), (441, 23332), (515, 23458), (522, 23470), (549, 23539), (563, 23581), (596, 23677), (597, 23680), (601, 23695), (623, 23755), (628, 23773), (630, 23782), (637, 23806), (639, 23812), (680, 23905), (681, 23908), (693, 23941), (698, 23956), (714, 23992), (716, 23998), (742, 24085), (744, 24094), (785, 24235), (794, 24265), (795, 24274), (825, 24370), (838, 24415),

Gene: DropBear_27 Start: 19967, Stop: 21766, Start Num: 108

Candidate Starts for DropBear_27:

(Start: 108 @19967 has 545 MA's), (Start: 146 @20027 has 1 MA's), (179, 20096), (227, 20198), (232, 20210), (233, 20213), (264, 20288), (Start: 268 @20303 has 11 MA's), (269, 20306), (289, 20342), (347, 20477), (373, 20546), (430, 20660), (495, 20786), (549, 20900), (556, 20924), (559, 20936), (563, 20942), (597, 21023), (623, 21098), (628, 21116), (630, 21125), (637, 21149), (639, 21155), (645, 21170), (665, 21212), (678, 21239), (680, 21248), (681, 21251), (689, 21272), (693, 21284), (760, 21497), (792, 21602), (794, 21608), (833, 21743),

Gene: Druantia_27 Start: 19828, Stop: 21606, Start Num: 108

Candidate Starts for Druantia_27:

(Start: 90 @19804 has 8 MA's), (Start: 108 @19828 has 545 MA's), (Start: 146 @19885 has 1 MA's), (Start: 175 @19939 has 47 MA's), (179, 19954), (184, 19972), (227, 20056), (232, 20068), (233, 20071), (264, 20146), (Start: 268 @20161 has 11 MA's), (289, 20200), (338, 20317), (373, 20404), (412, 20485), (435, 20533), (449, 20557), (495, 20644), (522, 20689), (551, 20761), (556, 20782), (563, 20800), (597, 20881), (628, 20974), (630, 20983), (637, 21007), (639, 21013), (647, 21037), (681, 21091), (689, 21112), (710, 21163), (719, 21187), (736, 21241), (760, 21337), (792, 21442), (795, 21457), (828, 21565), (833, 21583),

Gene: Dublin_23 Start: 19626, Stop: 21422, Start Num: 108

Candidate Starts for Dublin_23:

(Start: 108 @19626 has 545 MA's), (Start: 175 @19731 has 47 MA's), (184, 19764), (233, 19863), (264, 19938), (Start: 268 @19953 has 11 MA's), (288, 19989), (310, 20061), (318, 20076), (341, 20115), (381, 20202), (430, 20310), (441, 20340), (446, 20346), (522, 20481), (545, 20538), (546, 20541), (549, 20550), (563, 20592), (569, 20610), (596, 20670), (597, 20673), (628, 20766), (630, 20775), (637, 20799), (680, 20907), (693, 20943), (760, 21153), (776, 21207), (791, 21255), (794, 21264), (827, 21378), (833, 21399), (835, 21408),

Gene: DudeLittle_28 Start: 20267, Stop: 22039, Start Num: 108

Candidate Starts for DudeLittle_28:

(Start: 90 @20243 has 8 MA's), (Start: 108 @20267 has 545 MA's), (232, 20501), (233, 20504), (262, 20576), (264, 20579), (289, 20633), (301, 20672), (318, 20717), (338, 20750), (373, 20837), (412, 20918), (413, 20921), (551, 21194), (597, 21314), (637, 21440), (669, 21494), (674, 21503), (681, 21524), (693, 21557), (698, 21572), (701, 21578), (724, 21632), (735, 21671), (738, 21686), (760, 21770), (794, 21881),

Gene: Dulcie_26 Start: 20754, Stop: 22556, Start Num: 109

Candidate Starts for Dulcie_26:

(Start: 109 @20754 has 207 MA's), (Start: 124 @20775 has 4 MA's), (Start: 146 @20817 has 1 MA's), (171, 20862), (264, 21078), (283, 21123), (289, 21132), (301, 21171), (321, 21222), (322, 21225), (413, 21420), (449, 21489), (549, 21690), (551, 21693), (556, 21714), (596, 21810), (597, 21813), (599, 21819), (623, 21888), (628, 21906), (630, 21915), (639, 21945), (681, 22041), (693, 22074), (698, 22089), (745, 22230), (760, 22287), (794, 22398),

Gene: Dumbo_24 Start: 19297, Stop: 20892, Start Num: 147

Candidate Starts for Dumbo_24:

(Start: 94 @19213 has 79 MA's), (Start: 147 @19297 has 45 MA's), (Start: 183 @19375 has 1 MA's), (227, 19462), (233, 19477), (257, 19525), (271, 19564), (306, 19651), (321, 19684), (342, 19720), (354, 19750), (356, 19756), (400, 19825), (424, 19855), (428, 19867), (429, 19870), (456, 19927), (517, 20059), (520, 20065), (547, 20131), (549, 20137), (556, 20161), (573, 20209), (584, 20233), (589, 20242), (616, 20317), (671, 20368), (678, 20383), (736, 20545), (742, 20572), (751, 20602), (780, 20707), (815, 20785), (822, 20821), (824, 20830), (833, 20863), (838, 20878),

Gene: DumpsterDude_19 Start: 16204, Stop: 17910, Start Num: 126

Candidate Starts for DumpsterDude_19:

(107, 16180), (Start: 126 @16204 has 16 MA's), (Start: 132 @16216 has 1 MA's), (158, 16264), (Start: 209 @16393 has 1 MA's), (213, 16399), (235, 16465), (288, 16579), (309, 16645), (310, 16651), (401, 16831), (403, 16837), (435, 16918), (513, 17032), (558, 17146), (573, 17179), (585, 17209), (586, 17212), (609, 17275), (610, 17278), (623, 17311), (693, 17479), (695, 17485), (742, 17584), (791, 17728), (843, 17902),

Gene: Duplicity_18 Start: 14989, Stop: 16698, Start Num: 91

Candidate Starts for Duplicity_18:

(Start: 91 @14989 has 42 MA's), (115, 15016), (Start: 175 @15121 has 47 MA's), (178, 15133), (190, 15169), (213, 15220), (230, 15250), (233, 15256), (247, 15283), (251, 15289), (300, 15409), (320, 15463), (323, 15469), (337, 15487), (342, 15499), (343, 15502), (352, 15523), (368, 15565), (396, 15598), (420, 15649), (427, 15664), (445, 15706), (455, 15721), (456, 15727), (474, 15775), (486, 15799), (497, 15829), (515, 15853), (541, 15913), (546, 15925), (564, 15979), (571, 15988), (595, 16048), (596, 16051), (667, 16156), (671, 16165), (687, 16204), (735, 16342), (775, 16492), (776, 16495), (779, 16504), (792, 16525), (800, 16552), (815, 16588), (838, 16681),

Gene: Duplo_31 Start: 20087, Stop: 21877, Start Num: 108

Candidate Starts for Duplo_31:

(65, 20021), (Start: 90 @20063 has 8 MA's), (Start: 108 @20087 has 545 MA's), (189, 20240), (232, 20321), (233, 20324), (262, 20396), (264, 20399), (Start: 268 @20414 has 11 MA's), (289, 20453), (292, 20459), (338, 20570), (347, 20588), (351, 20597), (373, 20657), (412, 20738), (413, 20741), (495, 20897), (513, 20927), (597, 21134), (637, 21260), (681, 21362), (693, 21395), (698, 21410), (710, 21434), (735, 21509), (736, 21512), (738, 21524), (760, 21608), (784, 21686), (792, 21713), (794, 21719), (809, 21764), (813, 21773), (833, 21854),

Gene: Durfee_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Durfee_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: Dusk_23 Start: 19405, Stop: 21084, Start Num: 94

Candidate Starts for Dusk_23:

(Start: 94 @19405 has 79 MA's), (Start: 147 @19489 has 45 MA's), (Start: 183 @19567 has 1 MA's), (227, 19654), (233, 19669), (257, 19717), (271, 19756), (306, 19843), (321, 19876), (342, 19912), (354, 19942), (356, 19948), (400, 20017), (424, 20047), (428, 20059), (429, 20062), (456, 20119), (517, 20251), (520, 20257), (547, 20323), (549, 20329), (556, 20353), (573, 20401), (584, 20425), (589, 20434), (616, 20509), (671, 20560), (678, 20575), (736, 20737), (742, 20764), (751, 20794),

(780, 20899), (815, 20977), (822, 21013), (824, 21022), (833, 21055), (838, 21070),

Gene: Dussy_28 Start: 21319, Stop: 23121, Start Num: 109

Candidate Starts for Dussy_28:

(Start: 109 @21319 has 207 MA's), (Start: 124 @21340 has 4 MA's), (Start: 146 @21382 has 1 MA's), (171, 21427), (264, 21643), (283, 21688), (289, 21697), (301, 21736), (321, 21787), (322, 21790), (413, 21985), (449, 22054), (549, 22255), (551, 22258), (556, 22279), (596, 22375), (597, 22378), (599, 22384), (623, 22453), (628, 22471), (630, 22480), (639, 22510), (681, 22606), (693, 22639), (698, 22654), (745, 22795), (760, 22852), (794, 22963),

Gene: DustyMartin_31 Start: 19855, Stop: 21633, Start Num: 108

Candidate Starts for DustyMartin_31:

(Start: 108 @19855 has 545 MA's), (Start: 146 @19912 has 1 MA's), (154, 19927), (173, 19960), (179, 19981), (227, 20083), (232, 20095), (233, 20098), (264, 20173), (Start: 268 @20188 has 11 MA's), (289, 20227), (338, 20344), (347, 20362), (373, 20431), (404, 20485), (410, 20506), (430, 20545), (449, 20584), (495, 20671), (522, 20716), (540, 20764), (549, 20785), (556, 20809), (559, 20821), (563, 20827), (597, 20908), (628, 21001), (630, 21010), (637, 21034), (639, 21040), (645, 21055), (669, 21088), (689, 21139), (695, 21157), (714, 21202), (760, 21364), (768, 21388), (770, 21394), (792, 21469), (794, 21475), (795, 21484), (815, 21535), (833, 21610),

Gene: Dusty_46 Start: 29340, Stop: 31031, Start Num: 110

Candidate Starts for Dusty_46:

(Start: 110 @29340 has 14 MA's), (144, 29400), (159, 29433), (174, 29463), (176, 29466), (244, 29625), (249, 29634), (301, 29763), (319, 29811), (456, 30024), (458, 30030), (466, 30054), (529, 30183), (538, 30204), (549, 30237), (616, 30435), (713, 30588), (742, 30687), (745, 30699), (748, 30708), (771, 30792), (823, 30939), (832, 30975),

Gene: Dylan_56 Start: 33569, Stop: 35305, Start Num: 74

Candidate Starts for Dylan_56:

(Start: 69 @33560 has 2 MA's), (Start: 74 @33569 has 26 MA's), (134, 33659), (187, 33776), (203, 33812), (214, 33833), (230, 33860), (233, 33866), (249, 33896), (261, 33920), (281, 33971), (342, 34109), (344, 34115), (363, 34166), (365, 34169), (374, 34187), (420, 34238), (429, 34259), (430, 34262), (445, 34295), (455, 34310), (456, 34316), (474, 34364), (477, 34370), (480, 34376), (504, 34436), (515, 34460), (517, 34463), (538, 34508), (542, 34523), (546, 34532), (549, 34541), (564, 34586), (573, 34604), (589, 34637), (673, 34775), (680, 34796), (706, 34862), (717, 34892), (734, 34946), (744, 34988), (751, 35009), (755, 35030), (759, 35042), (765, 35063), (781, 35117), (815, 35195), (822, 35231), (827, 35252), (834, 35279),

Gene: Dynamix_28 Start: 21136, Stop: 22938, Start Num: 109

Candidate Starts for Dynamix_28:

(Start: 109 @21136 has 207 MA's), (Start: 124 @21157 has 4 MA's), (Start: 146 @21199 has 1 MA's), (171, 21244), (264, 21460), (283, 21505), (289, 21514), (321, 21604), (322, 21607), (365, 21700), (413, 21802), (449, 21871), (549, 22072), (551, 22075), (556, 22096), (596, 22192), (597, 22195), (599, 22201), (623, 22270), (628, 22288), (630, 22297), (639, 22327), (681, 22423), (693, 22456), (698, 22471), (745, 22612), (760, 22669), (794, 22780), (840, 22933),

Gene: Dynamo_19 Start: 16394, Stop: 18130, Start Num: 82

Candidate Starts for Dynamo_19:

(Start: 71 @16370 has 2 MA's), (Start: 82 @16394 has 44 MA's), (128, 16454), (136, 16475), (138, 16478), (Start: 195 @16598 has 39 MA's), (213, 16637), (232, 16670), (244, 16694), (296, 16814), (306, 16853), (309, 16859), (351, 16943), (352, 16949), (356, 16961), (365, 16985), (379, 17012), (400, 17030), (417, 17069), (420, 17075), (430, 17099), (456, 17153), (461, 17165), (463, 17174), (490, 17234), (526, 17312), (541, 17351), (554, 17384), (573, 17450), (578, 17465), (584, 17474),

(594, 17498), (605, 17528), (610, 17540), (682, 17642), (689, 17654), (691, 17657), (692, 17663), (695, 17672), (734, 17780), (755, 17864), (787, 17963), (824, 18071), (838, 18119),

Gene: ECartman_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for ECartman_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: EGUunicorn_19 Start: 14989, Stop: 16698, Start Num: 91

Candidate Starts for EGUunicorn_19:

(Start: 91 @14989 has 42 MA's), (115, 15016), (Start: 175 @15121 has 47 MA's), (178, 15133), (190, 15169), (213, 15220), (230, 15250), (233, 15256), (247, 15283), (251, 15289), (300, 15409), (320, 15463), (323, 15469), (337, 15487), (342, 15499), (343, 15502), (352, 15523), (368, 15565), (396, 15598), (420, 15649), (427, 15664), (445, 15706), (455, 15721), (456, 15727), (474, 15775), (486, 15799), (497, 15829), (515, 15853), (541, 15913), (546, 15925), (564, 15979), (571, 15988), (595, 16048), (596, 16051), (667, 16156), (671, 16165), (687, 16204), (735, 16342), (775, 16492), (776, 16495), (779, 16504), (792, 16525), (800, 16552), (815, 16588), (838, 16681),

Gene: EMoore_31 Start: 29511, Stop: 31136, Start Num: 123

Candidate Starts for EMoore_31:

(Start: 84 @29454 has 1 MA's), (Start: 123 @29511 has 17 MA's), (131, 29523), (Start: 147 @29556 has 45 MA's), (Start: 175 @29607 has 47 MA's), (227, 29724), (232, 29736), (265, 29811), (287, 29862), (292, 29871), (300, 29901), (351, 30009), (430, 30108), (443, 30138), (451, 30147), (462, 30180), (463, 30183), (490, 30243), (515, 30291), (546, 30363), (557, 30396), (558, 30399), (575, 30438), (593, 30477), (622, 30564), (623, 30567), (667, 30594), (688, 30645), (712, 30705), (727, 30750), (747, 30831), (756, 30867), (759, 30876), (761, 30885), (795, 30981), (824, 31077), (833, 31110), (838, 31125),

Gene: EZMoney23_32 Start: 22145, Stop: 23917, Start Num: 108

Candidate Starts for EZMoney23_32:

(Start: 90 @22121 has 8 MA's), (Start: 108 @22145 has 545 MA's), (232, 22379), (233, 22382), (262, 22454), (264, 22457), (289, 22511), (301, 22550), (338, 22628), (373, 22715), (412, 22796), (413, 22799), (513, 22985), (540, 23048), (551, 23072), (563, 23111), (592, 23177), (597, 23192), (639, 23324), (681, 23402), (693, 23435), (698, 23450), (724, 23510), (735, 23549), (738, 23564), (747, 23597), (760, 23648), (792, 23753), (794, 23759),

Gene: Eagle_26 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Eagle_26:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: EagleEye_30 Start: 20938, Stop: 22728, Start Num: 108

Candidate Starts for EagleEye_30:

(Start: 90 @20914 has 8 MA's), (Start: 108 @20938 has 545 MA's), (189, 21091), (232, 21172), (233, 21175), (262, 21247), (264, 21250), (269, 21268), (279, 21289), (289, 21304), (292, 21310), (306, 21361), (338, 21421), (373, 21508), (412, 21589), (413, 21592), (513, 21778), (540, 21841), (551, 21865), (563, 21904), (597, 21985), (637, 22111), (665, 22174), (698, 22261), (735, 22360), (747, 22408), (760, 22459), (794, 22570), (813, 22624),

Gene: Eaglepride_28 Start: 19807, Stop: 21585, Start Num: 108

Candidate Starts for Eaglepride_28:

(Start: 90 @19783 has 8 MA's), (Start: 108 @19807 has 545 MA's), (Start: 146 @19864 has 1 MA's), (179, 19933), (227, 20035), (232, 20047), (233, 20050), (264, 20125), (Start: 268 @20140 has 11 MA's), (289, 20179), (338, 20296), (373, 20383), (410, 20458), (430, 20497), (495, 20623), (522, 20668), (549, 20737), (556, 20761), (559, 20773), (563, 20779), (628, 20953), (630, 20962), (637, 20986), (639, 20992), (669, 21040), (689, 21091), (695, 21109), (792, 21421), (794, 21427), (795, 21436), (833, 21562),

Gene: Eapen_27 Start: 19826, Stop: 21604, Start Num: 108

Candidate Starts for Eapen_27:

(Start: 90 @19802 has 8 MA's), (Start: 108 @19826 has 545 MA's), (Start: 146 @19883 has 1 MA's), (Start: 175 @19937 has 47 MA's), (179, 19952), (184, 19970), (227, 20054), (232, 20066), (233, 20069), (264, 20144), (Start: 268 @20159 has 11 MA's), (289, 20198), (338, 20315), (373, 20402), (412, 20483), (435, 20531), (449, 20555), (495, 20642), (522, 20687), (551, 20759), (556, 20780), (563, 20798), (597, 20879), (628, 20972), (630, 20981), (637, 21005), (639, 21011), (647, 21035), (681, 21089), (689, 21110), (710, 21161), (719, 21185), (736, 21239), (760, 21335), (792, 21440), (795, 21455), (828, 21563), (833, 21581),

Gene: Easley_20 Start: 17332, Stop: 18912, Start Num: 194

Candidate Starts for Easley_20:

(149, 17215), (Start: 194 @17332 has 87 MA's), (310, 17590), (321, 17611), (351, 17665), (363, 17704), (397, 17761), (405, 17782), (518, 17953), (527, 17971), (537, 17995), (543, 18016), (564, 18058), (592, 18139), (623, 18229), (655, 18331), (662, 18334), (682, 18388), (716, 18478), (796, 18757), (797, 18766), (810, 18796),

Gene: Easy2Say_26 Start: 21080, Stop: 22675, Start Num: 147

Candidate Starts for Easy2Say_26:

(Start: 94 @20996 has 79 MA's), (Start: 147 @21080 has 45 MA's), (Start: 183 @21158 has 1 MA's), (227, 21245), (233, 21260), (257, 21308), (271, 21347), (306, 21434), (321, 21467), (342, 21503), (354, 21533), (356, 21539), (400, 21608), (424, 21638), (428, 21650), (429, 21653), (456, 21710), (517, 21842), (520, 21848), (547, 21914), (549, 21920), (556, 21944), (573, 21992), (584, 22016), (589, 22025), (616, 22100), (671, 22151), (678, 22166), (736, 22328), (742, 22355), (751, 22385), (780, 22490), (815, 22568), (822, 22604), (824, 22613), (833, 22646), (838, 22661),

Gene: Ebert_17 Start: 14758, Stop: 16467, Start Num: 195

Candidate Starts for Ebert_17:

(Start: 195 @14758 has 39 MA's), (244, 14875), (301, 15025), (319, 15064), (328, 15079), (359, 15148), (363, 15160), (405, 15238), (406, 15241), (462, 15373), (487, 15427), (516, 15508), (541, 15568), (543, 15574), (546, 15580), (576, 15661), (592, 15697), (604, 15733), (610, 15751), (625, 15790), (647, 15862), (655, 15886), (742, 16120), (746, 16135), (757, 16177), (785, 16270), (787, 16273), (797, 16321), (810, 16351),

Gene: Ebony_28 Start: 20798, Stop: 22597, Start Num: 108

Candidate Starts for Ebony_28:

(65, 20732), (Start: 90 @20774 has 8 MA's), (Start: 108 @20798 has 545 MA's), (141, 20840), (184, 20936), (189, 20951), (232, 21032), (233, 21035), (264, 21110), (Start: 268 @21125 has 11 MA's),

(289, 21164), (292, 21170), (306, 21221), (338, 21281), (341, 21287), (373, 21368), (413, 21452), (472, 21578), (485, 21596), (507, 21623), (563, 21764), (592, 21830), (596, 21842), (597, 21845), (662, 22034), (674, 22061), (678, 22070), (683, 22091), (685, 22094), (693, 22115), (698, 22130), (710, 22154), (735, 22229), (738, 22244), (760, 22328), (792, 22433), (794, 22439), (813, 22493), (840, 22592),

Gene: Echild_28 Start: 20292, Stop: 22064, Start Num: 108

Candidate Starts for Echild_28:

(Start: 90 @20268 has 8 MA's), (Start: 108 @20292 has 545 MA's), (173, 20391), (202, 20475), (232, 20526), (233, 20529), (262, 20601), (264, 20604), (289, 20658), (301, 20697), (338, 20775), (373, 20862), (412, 20943), (413, 20946), (551, 21219), (597, 21339), (637, 21465), (639, 21471), (669, 21519), (693, 21582), (698, 21597), (701, 21603), (724, 21657), (735, 21696), (738, 21711), (760, 21795), (794, 21906),

Gene: Ecliptus_24 Start: 18429, Stop: 20138, Start Num: 108

Candidate Starts for Ecliptus_24:

(Start: 108 @18429 has 545 MA's), (118, 18441), (Start: 120 @18444 has 4 MA's), (Start: 175 @18546 has 47 MA's), (185, 18582), (211, 18648), (Start: 268 @18792 has 11 MA's), (272, 18801), (281, 18819), (299, 18861), (301, 18867), (309, 18891), (318, 18915), (347, 18966), (350, 18972), (359, 19002), (390, 19044), (397, 19065), (401, 19071), (407, 19095), (430, 19146), (431, 19149), (444, 19179), (545, 19329), (556, 19365), (605, 19491), (628, 19557), (630, 19566), (636, 19587), (687, 19680), (694, 19701), (698, 19713), (701, 19719), (705, 19728), (707, 19731), (737, 19785), (745, 19815), (763, 19884), (792, 19971), (794, 19977), (812, 20028), (833, 20115), (840, 20133),

Gene: Edison31_27 Start: 19822, Stop: 21600, Start Num: 108

Candidate Starts for Edison31_27:

(Start: 108 @19822 has 545 MA's), (Start: 146 @19879 has 1 MA's), (154, 19894), (173, 19927), (179, 19948), (227, 20050), (232, 20062), (233, 20065), (264, 20140), (Start: 268 @20155 has 11 MA's), (289, 20194), (338, 20311), (347, 20329), (373, 20398), (410, 20473), (430, 20512), (449, 20551), (495, 20638), (522, 20683), (549, 20752), (556, 20776), (559, 20788), (563, 20794), (597, 20875), (628, 20968), (630, 20977), (637, 21001), (639, 21007), (645, 21022), (669, 21055), (689, 21106), (695, 21124), (713, 21163), (742, 21262), (760, 21331), (768, 21355), (770, 21361), (792, 21436), (794, 21442), (795, 21451), (815, 21502), (833, 21577),

Gene: EdmundFerry_31 Start: 27556, Stop: 29175, Start Num: 125

Candidate Starts for EdmundFerry_31:

(Start: 125 @27556 has 11 MA's), (136, 27577), (173, 27640), (227, 27763), (232, 27775), (257, 27832), (292, 27910), (343, 28033), (430, 28147), (443, 28177), (462, 28219), (490, 28282), (515, 28330), (520, 28339), (541, 28390), (558, 28438), (622, 28603), (667, 28633), (711, 28741), (712, 28744), (727, 28789), (740, 28846), (742, 28852), (743, 28858), (756, 28906), (759, 28915), (760, 28921), (761, 28924), (776, 28975), (795, 29020), (818, 29089), (830, 29137), (833, 29149),

Gene: EdnaMode_17 Start: 14694, Stop: 16403, Start Num: 195

Candidate Starts for EdnaMode_17:

(Start: 195 @14694 has 39 MA's), (244, 14811), (269, 14883), (301, 14961), (359, 15084), (368, 15105), (405, 15174), (406, 15177), (431, 15234), (462, 15309), (487, 15363), (516, 15444), (541, 15504), (604, 15669), (610, 15687), (614, 15702), (625, 15726), (647, 15798), (648, 15801), (655, 15822), (742, 16056), (746, 16071), (757, 16113), (785, 16206), (787, 16209), (797, 16257), (810, 16287), (824, 16344),

Gene: EdogawaKiddo_28 Start: 21749, Stop: 23539, Start Num: 108

Candidate Starts for EdogawaKiddo_28:

(Start: 105 @21746 has 8 MA's), (Start: 108 @21749 has 545 MA's), (232, 21983), (233, 21986), (262, 22058), (264, 22061), (Start: 268 @22076 has 11 MA's), (289, 22115), (292, 22121), (338, 22232), (373, 22319), (412, 22400), (413, 22403), (513, 22589), (540, 22652), (551, 22676), (553, 22682), (563, 22715), (597, 22796), (637, 22922), (651, 22964), (681, 23024), (693, 23057), (698, 23072), (735, 23171), (736, 23174), (738, 23186), (760, 23270), (780, 23336), (792, 23375), (794, 23381), (809, 23426), (824, 23483), (825, 23486),

Gene: Edtherson_28 Start: 21883, Stop: 23685, Start Num: 109

Candidate Starts for Edtherson_28:

(Start: 109 @21883 has 207 MA's), (Start: 124 @21904 has 4 MA's), (Start: 146 @21946 has 1 MA's), (171, 21991), (264, 22207), (283, 22252), (289, 22261), (301, 22300), (321, 22351), (322, 22354), (365, 22447), (413, 22549), (449, 22618), (549, 22819), (551, 22822), (556, 22843), (596, 22939), (597, 22942), (599, 22948), (623, 23017), (628, 23035), (630, 23044), (639, 23074), (681, 23170), (693, 23203), (698, 23218), (745, 23359), (760, 23416), (794, 23527),

Gene: Efra2_23 Start: 16364, Stop: 18130, Start Num: 79

Candidate Starts for Efra2_23:

(Start: 79 @16364 has 139 MA's), (Start: 81 @16370 has 15 MA's), (101, 16394), (184, 16553), (Start: 196 @16586 has 7 MA's), (210, 16616), (221, 16649), (227, 16661), (266, 16751), (288, 16793), (310, 16865), (315, 16874), (338, 16913), (356, 16958), (363, 16979), (365, 16982), (399, 17054), (412, 17096), (418, 17102), (430, 17129), (515, 17267), (525, 17285), (541, 17327), (548, 17345), (558, 17375), (612, 17507), (641, 17597), (694, 17702), (706, 17732), (745, 17816), (759, 17867), (795, 17966), (824, 18062), (834, 18101), (835, 18104), (843, 18122),

Gene: Eidsmoe_30 Start: 21776, Stop: 23569, Start Num: 105

Candidate Starts for Eidsmoe_30:

(Start: 105 @21776 has 8 MA's), (Start: 108 @21779 has 545 MA's), (232, 22013), (233, 22016), (262, 22088), (264, 22091), (Start: 268 @22106 has 11 MA's), (289, 22145), (292, 22151), (338, 22262), (373, 22349), (412, 22430), (413, 22433), (441, 22493), (513, 22619), (540, 22682), (551, 22706), (553, 22712), (563, 22745), (597, 22826), (637, 22952), (651, 22994), (653, 22997), (681, 23054), (693, 23087), (698, 23102), (735, 23201), (736, 23204), (738, 23216), (760, 23300), (780, 23366), (792, 23405), (794, 23411), (809, 23456), (824, 23513), (825, 23516),

Gene: Ein37_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for Ein37_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197 @17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406, 18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: Eish_16 Start: 14946, Stop: 16655, Start Num: 87

Candidate Starts for Eish_16:

(Start: 87 @14946 has 207 MA's), (150, 15033), (Start: 175 @15078 has 47 MA's), (182, 15102), (230, 15207), (233, 15213), (242, 15231), (257, 15261), (300, 15366), (323, 15426), (329, 15435), (342, 15456), (352, 15480), (368, 15522), (396, 15555), (402, 15567), (420, 15606), (427, 15621), (429, 15627), (445, 15663), (455, 15678), (456, 15684), (466, 15714), (474, 15732), (480, 15744), (484, 15750), (515, 15810), (538, 15858), (541, 15870), (571, 15945), (573, 15954), (584, 15978), (596, 16008), (667, 16113), (673, 16125), (687, 16161), (716, 16239), (744, 16338), (751, 16359), (759,

16392), (768, 16422), (776, 16452), (779, 16461), (781, 16467), (792, 16482), (793, 16485), (798, 16506), (800, 16509), (817, 16551), (822, 16581), (833, 16623), (834, 16629),

Gene: Ejimix_37 Start: 28088, Stop: 30086, Start Num: 89

Candidate Starts for Ejimix_37:

(Start: 89 @28088 has 30 MA's), (Start: 147 @28178 has 45 MA's), (172, 28226), (182, 28256), (193, 28283), (244, 28385), (259, 28415), (275, 28466), (298, 28514), (309, 28550), (310, 28556), (321, 28577), (356, 28649), (359, 28658), (368, 28679), (429, 28787), (430, 28790), (435, 28805), (456, 28844), (474, 28892), (480, 28904), (484, 28910), (503, 28958), (507, 28967), (517, 28988), (526, 29006), (545, 29054), (581, 29156), (610, 29228), (627, 29273), (629, 29285), (656, 29420), (657, 29426), (658, 29450), (659, 29522), (665, 29549), (752, 29798),

Gene: Ekdilam_20 Start: 17331, Stop: 19106, Start Num: 75

Candidate Starts for Ekdilam_20:

(Start: 62 @17301 has 1 MA's), (Start: 75 @17331 has 25 MA's), (Start: 79 @17340 has 139 MA's), (101, 17370), (Start: 175 @17496 has 47 MA's), (179, 17511), (184, 17529), (Start: 196 @17562 has 7 MA's), (221, 17625), (227, 17637), (234, 17655), (266, 17727), (288, 17769), (315, 17850), (363, 17955), (365, 17958), (383, 17994), (399, 18030), (412, 18072), (418, 18078), (430, 18105), (525, 18261), (558, 18351), (573, 18378), (593, 18423), (612, 18483), (636, 18558), (645, 18582), (681, 18642), (694, 18678), (706, 18708), (745, 18792), (798, 18951), (834, 19077), (835, 19080), (843, 19098),

Gene: EITiger69_24 Start: 18976, Stop: 20775, Start Num: 108

Candidate Starts for EITiger69_24:

(Start: 108 @18976 has 545 MA's), (233, 19213), (247, 19249), (264, 19288), (Start: 268 @19303 has 11 MA's), (288, 19339), (310, 19411), (318, 19426), (338, 19459), (341, 19465), (430, 19660), (441, 19690), (446, 19696), (495, 19786), (522, 19831), (549, 19900), (563, 19942), (569, 19960), (596, 20020), (597, 20023), (628, 20116), (680, 20257), (693, 20293), (791, 20608), (794, 20617), (833, 20752),

Gene: EleanorGeorge_16 Start: 14974, Stop: 16683, Start Num: 87

Candidate Starts for EleanorGeorge_16:

(Start: 87 @14974 has 207 MA's), (150, 15061), (Start: 175 @15106 has 47 MA's), (182, 15130), (230, 15235), (233, 15241), (242, 15259), (257, 15289), (300, 15394), (323, 15454), (338, 15475), (342, 15484), (351, 15502), (352, 15508), (420, 15634), (427, 15649), (429, 15655), (445, 15691), (448, 15694), (455, 15706), (456, 15712), (474, 15760), (480, 15772), (484, 15778), (515, 15838), (522, 15850), (538, 15886), (541, 15898), (571, 15973), (573, 15982), (581, 16000), (584, 16006), (596, 16036), (667, 16141), (671, 16150), (673, 16153), (687, 16189), (716, 16267), (744, 16366), (751, 16387), (759, 16420), (768, 16450), (776, 16480), (779, 16489), (781, 16495), (792, 16510), (793, 16513), (800, 16537), (813, 16567), (817, 16579), (822, 16609), (833, 16651),

Gene: Elephantoon_29 Start: 21187, Stop: 22977, Start Num: 108

Candidate Starts for Elephantoon_29:

(Start: 90 @21163 has 8 MA's), (Start: 108 @21187 has 545 MA's), (232, 21421), (233, 21424), (262, 21496), (264, 21499), (269, 21517), (289, 21553), (292, 21559), (301, 21592), (306, 21610), (338, 21670), (352, 21703), (373, 21757), (412, 21838), (413, 21841), (472, 21967), (513, 22027), (540, 22090), (559, 22147), (597, 22234), (637, 22360), (644, 22378), (651, 22402), (681, 22462), (693, 22495), (698, 22510), (735, 22609), (736, 22612), (738, 22624), (760, 22708), (780, 22774), (792, 22813), (794, 22819), (809, 22864), (824, 22921), (825, 22924),

Gene: Elite2014_23 Start: 18953, Stop: 20632, Start Num: 94

Candidate Starts for Elite2014_23:

(Start: 94 @18953 has 79 MA's), (Start: 147 @19037 has 45 MA's), (Start: 183 @19115 has 1 MA's), (227, 19202), (233, 19217), (257, 19265), (271, 19304), (306, 19391), (321, 19424), (342, 19460), (354, 19490), (356, 19496), (400, 19565), (424, 19595), (428, 19607), (429, 19610), (456, 19667), (517, 19799), (520, 19805), (547, 19871), (549, 19877), (556, 19901), (573, 19949), (584, 19973), (589, 19982), (616, 20057), (671, 20108), (678, 20123), (736, 20285), (742, 20312), (751, 20342), (780, 20447), (815, 20525), (822, 20561), (824, 20570), (833, 20603), (838, 20618),

Gene: Ellie_20 Start: 17336, Stop: 19090, Start Num: 79

Candidate Starts for Ellie_20:

(Start: 62 @17297 has 1 MA's), (Start: 75 @17327 has 25 MA's), (Start: 78 @17333 has 41 MA's), (Start: 79 @17336 has 139 MA's), (Start: 97 @17348 has 44 MA's), (101, 17354), (Start: 175 @17480 has 47 MA's), (179, 17495), (Start: 196 @17546 has 7 MA's), (210, 17576), (221, 17609), (266, 17711), (283, 17747), (288, 17753), (315, 17834), (383, 17978), (384, 17981), (393, 17996), (395, 18008), (399, 18014), (405, 18032), (412, 18056), (418, 18062), (430, 18089), (525, 18245), (573, 18362), (586, 18395), (593, 18407), (597, 18419), (612, 18467), (693, 18659), (706, 18692), (718, 18701), (742, 18764), (745, 18776), (759, 18827), (760, 18833), (795, 18926), (815, 18977), (824, 19022), (834, 19061), (835, 19064), (843, 19082),

Gene: Elph10_25 Start: 19216, Stop: 20895, Start Num: 94

Candidate Starts for Elph10_25:

(Start: 94 @19216 has 79 MA's), (Start: 147 @19300 has 45 MA's), (Start: 183 @19378 has 1 MA's), (227, 19465), (233, 19480), (257, 19528), (271, 19567), (306, 19654), (321, 19687), (342, 19723), (354, 19753), (356, 19759), (400, 19828), (424, 19858), (428, 19870), (429, 19873), (456, 19930), (517, 20062), (520, 20068), (547, 20134), (549, 20140), (556, 20164), (573, 20212), (584, 20236), (589, 20245), (616, 20320), (671, 20371), (678, 20386), (736, 20548), (742, 20575), (751, 20605), (780, 20710), (815, 20788), (822, 20824), (824, 20833), (833, 20866), (838, 20881),

Gene: Emerson_23 Start: 17148, Stop: 18914, Start Num: 79

Candidate Starts for Emerson_23:

(Start: 79 @17148 has 139 MA's), (101, 17178), (184, 17337), (Start: 196 @17370 has 7 MA's), (210, 17400), (221, 17433), (227, 17445), (266, 17535), (288, 17577), (310, 17649), (315, 17658), (338, 17697), (356, 17742), (363, 17763), (365, 17766), (393, 17820), (399, 17838), (412, 17880), (418, 17886), (430, 17913), (515, 18051), (525, 18069), (541, 18111), (548, 18129), (558, 18159), (573, 18186), (612, 18291), (681, 18450), (694, 18486), (706, 18516), (718, 18525), (745, 18600), (759, 18651), (824, 18846), (834, 18885), (835, 18888), (843, 18906),

Gene: Emianna_41 Start: 30825, Stop: 32438, Start Num: 194

Candidate Starts for Emianna_41:

(Start: 194 @30825 has 87 MA's), (Start: 209 @30861 has 1 MA's), (216, 30879), (243, 30939), (351, 31179), (353, 31191), (359, 31206), (401, 31272), (405, 31287), (419, 31311), (421, 31314), (457, 31398), (469, 31428), (470, 31431), (499, 31488), (519, 31536), (521, 31539), (532, 31560), (570, 31665), (592, 31710), (604, 31752), (669, 31926), (681, 31956), (683, 31962), (729, 32070), (730, 32073), (751, 32148), (822, 32367), (838, 32424),

Gene: Emma_16 Start: 14857, Stop: 16566, Start Num: 87

Candidate Starts for Emma_16:

(Start: 87 @14857 has 207 MA's), (150, 14944), (Start: 175 @14989 has 47 MA's), (182, 15013), (230, 15118), (233, 15124), (242, 15142), (257, 15172), (300, 15277), (323, 15337), (338, 15358), (342, 15367), (352, 15391), (420, 15517), (427, 15532), (429, 15538), (445, 15574), (448, 15577), (455, 15589), (456, 15595), (474, 15643), (480, 15655), (484, 15661), (515, 15721), (522, 15733), (538, 15769), (541, 15781), (571, 15856), (573, 15865), (581, 15883), (584, 15889), (596, 15919), (667, 16024), (671, 16033), (673, 16036), (687, 16072), (716, 16150), (744, 16249), (751, 16270), (759, 16303), (768, 16333), (776, 16363), (779, 16372), (781, 16378), (792, 16393), (793, 16396), (800,

16420), (813, 16450), (817, 16462), (822, 16492), (833, 16534),

Gene: Emmina_25 Start: 19661, Stop: 21256, Start Num: 147

Candidate Starts for Emmina_25:

(Start: 94 @19577 has 79 MA's), (Start: 147 @19661 has 45 MA's), (Start: 183 @19739 has 1 MA's), (227, 19826), (233, 19841), (257, 19889), (271, 19928), (306, 20015), (321, 20048), (342, 20084), (354, 20114), (356, 20120), (400, 20189), (424, 20219), (428, 20231), (429, 20234), (456, 20291), (517, 20423), (520, 20429), (547, 20495), (549, 20501), (556, 20525), (573, 20573), (584, 20597), (589, 20606), (616, 20681), (671, 20732), (678, 20747), (736, 20909), (742, 20936), (751, 20966), (780, 21071), (815, 21149), (822, 21185), (824, 21194), (833, 21227), (838, 21242),

Gene: Empress_17 Start: 16157, Stop: 17866, Start Num: 87

Candidate Starts for Empress_17:

(Start: 87 @16157 has 207 MA's), (150, 16244), (Start: 175 @16289 has 47 MA's), (182, 16313), (230, 16418), (233, 16424), (242, 16442), (257, 16472), (300, 16577), (323, 16637), (338, 16658), (342, 16667), (352, 16691), (420, 16817), (427, 16832), (429, 16838), (445, 16874), (448, 16877), (455, 16889), (456, 16895), (474, 16943), (480, 16955), (484, 16961), (515, 17021), (522, 17033), (538, 17069), (541, 17081), (571, 17156), (573, 17165), (581, 17183), (584, 17189), (596, 17219), (667, 17324), (671, 17333), (673, 17336), (687, 17372), (716, 17450), (744, 17549), (751, 17570), (759, 17603), (768, 17633), (776, 17663), (779, 17672), (781, 17678), (792, 17693), (793, 17696), (798, 17717), (800, 17720), (817, 17762), (822, 17792), (833, 17834),

Gene: EmyBug_30 Start: 21779, Stop: 23569, Start Num: 108

Candidate Starts for EmyBug_30:

(Start: 105 @21776 has 8 MA's), (Start: 108 @21779 has 545 MA's), (232, 22013), (233, 22016), (262, 22088), (264, 22091), (Start: 268 @22106 has 11 MA's), (289, 22145), (292, 22151), (338, 22262), (373, 22349), (412, 22430), (413, 22433), (441, 22493), (513, 22619), (540, 22682), (551, 22706), (553, 22712), (563, 22745), (597, 22826), (637, 22952), (651, 22994), (653, 22997), (681, 23054), (693, 23087), (698, 23102), (735, 23201), (736, 23204), (738, 23216), (760, 23300), (780, 23366), (792, 23405), (794, 23411), (809, 23456), (824, 23513), (825, 23516),

Gene: Enby_17 Start: 14628, Stop: 16337, Start Num: 87

Candidate Starts for Enby_17:

(Start: 87 @14628 has 207 MA's), (150, 14715), (Start: 175 @14760 has 47 MA's), (182, 14784), (203, 14841), (230, 14889), (233, 14895), (242, 14913), (257, 14943), (300, 15048), (320, 15102), (323, 15108), (329, 15117), (338, 15129), (342, 15138), (352, 15162), (365, 15198), (368, 15204), (374, 15216), (396, 15237), (398, 15240), (402, 15249), (408, 15264), (410, 15270), (420, 15288), (427, 15303), (429, 15309), (435, 15327), (436, 15330), (445, 15345), (455, 15360), (456, 15366), (466, 15396), (474, 15414), (480, 15426), (484, 15432), (515, 15492), (522, 15504), (538, 15540), (541, 15552), (549, 15573), (571, 15627), (573, 15636), (584, 15660), (596, 15690), (667, 15795), (673, 15807), (687, 15843), (701, 15882), (716, 15921), (744, 16020), (751, 16041), (759, 16074), (768, 16104), (776, 16134), (779, 16143), (781, 16149), (792, 16164), (793, 16167), (798, 16188), (800, 16191), (817, 16233), (822, 16263), (833, 16305), (834, 16311),

Gene: Engineer_49 Start: 29557, Stop: 31248, Start Num: 110

Candidate Starts for Engineer_49:

(Start: 110 @29557 has 14 MA's), (144, 29617), (159, 29650), (174, 29680), (176, 29683), (244, 29842), (249, 29851), (301, 29980), (319, 30028), (456, 30241), (458, 30247), (466, 30271), (529, 30400), (538, 30421), (549, 30454), (616, 30652), (713, 30805), (742, 30904), (745, 30916), (748, 30925), (771, 31009), (823, 31156), (832, 31192),

Gene: Enkosi_19 Start: 16697, Stop: 18463, Start Num: 79

Candidate Starts for Enkosi_19:

(Start: 79 @16697 has 139 MA's), (Start: 81 @16703 has 15 MA's), (101, 16727), (Start: 175 @16853 has 47 MA's), (179, 16868), (184, 16886), (210, 16949), (266, 17084), (Start: 268 @17090 has 11 MA's), (310, 17198), (315, 17207), (363, 17312), (395, 17381), (399, 17387), (410, 17423), (418, 17435), (447, 17498), (515, 17600), (525, 17618), (541, 17660), (542, 17663), (586, 17768), (612, 17840), (647, 17948), (649, 17954), (681, 17999), (701, 18053), (718, 18074), (745, 18149), (759, 18200), (795, 18299), (802, 18314), (815, 18350), (824, 18395), (834, 18434), (835, 18437), (843, 18455),

Gene: Ennea_47 Start: 31470, Stop: 33092, Start Num: 194

Candidate Starts for Ennea_47:

(Start: 194 @31470 has 87 MA's), (243, 31587), (351, 31827), (353, 31839), (359, 31854), (401, 31920), (405, 31935), (457, 32046), (469, 32076), (470, 32079), (499, 32136), (532, 32208), (570, 32313), (604, 32400), (622, 32448), (669, 32574), (670, 32577), (683, 32610), (713, 32667), (751, 32796), (760, 32835), (799, 32940), (820, 33003), (822, 33015), (825, 33027), (827, 33036), (838, 33072),

Gene: EpicPhail_29 Start: 20379, Stop: 22175, Start Num: 108

Candidate Starts for EpicPhail_29:

(Start: 108 @20379 has 545 MA's), (Start: 146 @20436 has 1 MA's), (154, 20451), (173, 20484), (179, 20505), (Start: 183 @20520 has 1 MA's), (227, 20607), (232, 20619), (233, 20622), (264, 20697), (Start: 268 @20712 has 11 MA's), (288, 20748), (373, 20955), (430, 21069), (449, 21108), (495, 21195), (549, 21309), (556, 21333), (563, 21351), (597, 21432), (623, 21507), (628, 21525), (637, 21558), (639, 21564), (653, 21603), (680, 21657), (681, 21660), (689, 21681), (713, 21738), (760, 21906), (792, 22011), (794, 22017), (833, 22152),

Gene: Eponine_24 Start: 18523, Stop: 20310, Start Num: 79

Candidate Starts for Eponine_24:

(Start: 62 @18484 has 1 MA's), (Start: 75 @18514 has 25 MA's), (Start: 78 @18520 has 41 MA's), (Start: 79 @18523 has 139 MA's), (Start: 99 @18538 has 4 MA's), (129, 18580), (154, 18628), (Start: 175 @18667 has 47 MA's), (179, 18682), (184, 18700), (Start: 196 @18733 has 7 MA's), (210, 18763), (227, 18808), (234, 18826), (266, 18898), (Start: 268 @18904 has 11 MA's), (283, 18934), (286, 18937), (306, 19000), (310, 19012), (373, 19147), (383, 19165), (395, 19195), (399, 19201), (405, 19219), (418, 19249), (434, 19288), (515, 19414), (542, 19477), (612, 19678), (630, 19732), (645, 19777), (668, 19822), (681, 19846), (693, 19879), (706, 19912), (742, 19984), (745, 19996), (759, 20047), (760, 20053), (798, 20155), (834, 20281), (843, 20302),

Gene: Epsocamisio_30 Start: 19093, Stop: 20880, Start Num: 108

Candidate Starts for Epsocamisio_30:

(65, 19027), (Start: 90 @19069 has 8 MA's), (Start: 108 @19093 has 545 MA's), (184, 19231), (207, 19288), (233, 19330), (247, 19366), (264, 19405), (295, 19474), (301, 19498), (322, 19552), (399, 19702), (413, 19747), (430, 19777), (446, 19813), (468, 19864), (493, 19900), (522, 19948), (546, 20008), (596, 20137), (623, 20215), (698, 20416), (701, 20422), (736, 20518), (782, 20683), (815, 20782),

Gene: Equemioh13_30 Start: 20656, Stop: 22428, Start Num: 108

Candidate Starts for Equemioh13_30:

(Start: 90 @20632 has 8 MA's), (Start: 108 @20656 has 545 MA's), (Start: 183 @20791 has 1 MA's), (232, 20890), (233, 20893), (262, 20965), (264, 20968), (289, 21022), (292, 21028), (310, 21091), (338, 21139), (352, 21172), (373, 21226), (412, 21307), (413, 21310), (430, 21340), (513, 21496), (551, 21583), (597, 21703), (636, 21826), (637, 21829), (639, 21835), (669, 21883), (693, 21946), (698, 21961), (701, 21967), (724, 22021), (735, 22060), (738, 22075), (747, 22108), (759, 22153), (792, 22264), (794, 22270), (813, 22324),

Gene: Eradicator_16 Start: 14770, Stop: 16479, Start Num: 87

Candidate Starts for Eradicator_16:

(Start: 87 @14770 has 207 MA's), (150, 14857), (Start: 175 @14902 has 47 MA's), (182, 14926), (203, 14983), (230, 15031), (233, 15037), (242, 15055), (257, 15085), (300, 15190), (320, 15244), (323, 15250), (329, 15259), (342, 15280), (352, 15304), (365, 15340), (368, 15346), (396, 15379), (398, 15382), (402, 15391), (408, 15406), (410, 15412), (420, 15430), (427, 15445), (429, 15451), (435, 15469), (436, 15472), (445, 15487), (455, 15502), (456, 15508), (474, 15556), (480, 15568), (484, 15574), (515, 15634), (522, 15646), (538, 15682), (541, 15694), (571, 15769), (573, 15778), (581, 15796), (584, 15802), (596, 15832), (667, 15937), (673, 15949), (687, 15985), (716, 16063), (751, 16183), (759, 16216), (768, 16246), (771, 16258), (776, 16276), (778, 16282), (779, 16285), (781, 16291), (792, 16306), (793, 16309), (798, 16330), (800, 16333), (817, 16375), (822, 16405), (833, 16447), (834, 16453),

Gene: EricB_31 Start: 19969, Stop: 21741, Start Num: 108

Candidate Starts for EricB_31:

(65, 19903), (Start: 90 @19945 has 8 MA's), (Start: 108 @19969 has 545 MA's), (208, 20167), (233, 20206), (262, 20278), (264, 20281), (269, 20299), (289, 20335), (292, 20341), (338, 20452), (341, 20458), (356, 20497), (373, 20539), (399, 20578), (412, 20620), (413, 20623), (441, 20683), (557, 20920), (563, 20935), (597, 21016), (639, 21148), (698, 21274), (720, 21325), (724, 21334), (735, 21373), (736, 21376), (738, 21388), (760, 21472), (792, 21577), (794, 21583), (833, 21718),

Gene: Erik_23 Start: 16348, Stop: 17973, Start Num: 130

Candidate Starts for Erik_23:

(Start: 130 @16348 has 32 MA's), (169, 16417), (181, 16453), (208, 16525), (264, 16639), (313, 16768), (338, 16810), (347, 16828), (351, 16837), (358, 16861), (365, 16879), (389, 16903), (392, 16909), (395, 16924), (397, 16927), (413, 16975), (540, 17176), (551, 17200), (596, 17314), (623, 17392), (633, 17431), (637, 17443), (669, 17473), (698, 17551), (757, 17698), (788, 17797), (792, 17812), (838, 17965),

Gene: Eris_26 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Eris_26:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Eros_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Eros_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Espica_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for Espica_23:

(Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (208, 16526), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (389, 16904), (392,

16910), (395, 16925), (397, 16928), (413, 16976), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: Espresso_27 Start: 21202, Stop: 23004, Start Num: 109

Candidate Starts for Espresso_27:

(Start: 109 @21202 has 207 MA's), (Start: 124 @21223 has 4 MA's), (Start: 146 @21265 has 1 MA's), (171, 21310), (264, 21526), (283, 21571), (289, 21580), (301, 21619), (321, 21670), (322, 21673), (413, 21868), (449, 21937), (549, 22138), (551, 22141), (556, 22162), (596, 22258), (597, 22261), (599, 22267), (623, 22336), (628, 22354), (630, 22363), (639, 22393), (681, 22489), (693, 22522), (698, 22537), (745, 22678), (760, 22735), (794, 22846),

Gene: Estave1_16 Start: 14924, Stop: 16633, Start Num: 87

Candidate Starts for Estave1_16:

(Start: 87 @14924 has 207 MA's), (150, 15011), (Start: 175 @15056 has 47 MA's), (182, 15080), (203, 15137), (230, 15185), (233, 15191), (242, 15209), (247, 15218), (257, 15239), (300, 15344), (320, 15398), (323, 15404), (329, 15413), (342, 15434), (352, 15458), (365, 15494), (368, 15500), (374, 15512), (396, 15533), (410, 15566), (420, 15584), (427, 15599), (429, 15605), (436, 15626), (445, 15641), (455, 15656), (456, 15662), (459, 15671), (474, 15710), (480, 15722), (484, 15728), (515, 15788), (538, 15836), (541, 15848), (549, 15869), (571, 15923), (573, 15932), (584, 15956), (667, 16091), (673, 16103), (687, 16139), (716, 16217), (744, 16316), (751, 16337), (759, 16370), (768, 16400), (776, 16430), (779, 16439), (781, 16445), (792, 16460), (793, 16463), (798, 16484), (800, 16487), (817, 16529), (833, 16601),

Gene: Et2Brutus_27 Start: 20758, Stop: 22557, Start Num: 108

Candidate Starts for Et2Brutus_27:

(65, 20692), (Start: 90 @20734 has 8 MA's), (Start: 108 @20758 has 545 MA's), (141, 20800), (184, 20896), (189, 20911), (232, 20992), (233, 20995), (264, 21070), (Start: 268 @21085 has 11 MA's), (289, 21124), (292, 21130), (306, 21181), (338, 21241), (341, 21247), (373, 21328), (413, 21412), (472, 21538), (485, 21556), (507, 21583), (563, 21724), (592, 21790), (596, 21802), (597, 21805), (662, 21994), (674, 22021), (678, 22030), (683, 22051), (685, 22054), (693, 22075), (698, 22090), (710, 22114), (735, 22189), (738, 22204), (760, 22288), (792, 22393), (794, 22399), (813, 22453), (840, 22552),

Gene: Eudoria_19 Start: 17773, Stop: 19371, Start Num: 194

Candidate Starts for Eudoria_19:

(Start: 194 @17773 has 87 MA's), (307, 18022), (310, 18031), (319, 18049), (321, 18052), (351, 18106), (381, 18181), (413, 18250), (423, 18259), (427, 18271), (451, 18322), (459, 18349), (462, 18358), (463, 18361), (516, 18391), (518, 18394), (541, 18451), (564, 18517), (591, 18595), (602, 18628), (610, 18652), (623, 18688), (655, 18790), (682, 18847), (698, 18892), (701, 18898), (716, 18937), (787, 19177), (810, 19255),

Gene: Euphoria_27 Start: 21090, Stop: 22892, Start Num: 109

Candidate Starts for Euphoria_27:

(Start: 109 @21090 has 207 MA's), (Start: 124 @21111 has 4 MA's), (Start: 146 @21153 has 1 MA's), (171, 21198), (264, 21414), (283, 21459), (289, 21468), (321, 21558), (322, 21561), (413, 21756), (449, 21825), (549, 22026), (551, 22029), (556, 22050), (596, 22146), (597, 22149), (599, 22155), (623, 22224), (628, 22242), (630, 22251), (639, 22281), (681, 22377), (693, 22410), (698, 22425), (745, 22566), (760, 22623), (794, 22734), (840, 22887),

Gene: Eureka_24 Start: 19731, Stop: 21410, Start Num: 94

Candidate Starts for Eureka_24:

(Start: 94 @19731 has 79 MA's), (Start: 147 @19815 has 45 MA's), (Start: 183 @19893 has 1 MA's), (227, 19980), (233, 19995), (257, 20043), (271, 20082), (306, 20169), (321, 20202), (342, 20238), (354, 20268), (356, 20274), (400, 20343), (424, 20373), (428, 20385), (429, 20388), (456, 20445), (517, 20577), (520, 20583), (547, 20649), (549, 20655), (556, 20679), (573, 20727), (584, 20751), (589, 20760), (616, 20835), (671, 20886), (678, 20901), (736, 21063), (742, 21090), (751, 21120), (780, 21225), (815, 21303), (822, 21339), (824, 21348), (833, 21381), (838, 21396),

Gene: Eurydice_27 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for Eurydice_27:

(41, 19674), (55, 19719), (Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: Evanesce_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for Evanesce_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197 @17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406, 18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: Eviarto_19 Start: 17764, Stop: 19362, Start Num: 194

Candidate Starts for Eviarto_19:

(Start: 194 @17764 has 87 MA's), (310, 18022), (319, 18040), (321, 18043), (351, 18097), (381, 18172), (413, 18241), (423, 18250), (427, 18262), (451, 18313), (459, 18340), (462, 18349), (463, 18352), (518, 18385), (541, 18442), (564, 18508), (602, 18619), (610, 18643), (623, 18679), (655, 18781), (682, 18838), (716, 18928), (787, 19168), (810, 19246),

Gene: EvilGenius_30 Start: 20609, Stop: 22381, Start Num: 108

Candidate Starts for EvilGenius_30:

(Start: 90 @20585 has 8 MA's), (Start: 108 @20609 has 545 MA's), (173, 20708), (202, 20792), (232, 20843), (233, 20846), (262, 20918), (264, 20921), (289, 20975), (301, 21014), (338, 21092), (373, 21179), (412, 21260), (413, 21263), (513, 21449), (551, 21536), (592, 21641), (597, 21656), (637, 21782), (639, 21788), (669, 21836), (674, 21845), (681, 21866), (693, 21899), (698, 21914), (701, 21920), (724, 21974), (735, 22013), (738, 22028), (760, 22112), (794, 22223),

Gene: Ewald_22 Start: 18458, Stop: 20104, Start Num: 157

Candidate Starts for Ewald_22:

(53, 18257), (76, 18317), (133, 18410), (Start: 152 @18446 has 2 MA's), (Start: 157 @18458 has 3 MA's), (163, 18470), (Start: 198 @18572 has 1 MA's), (200, 18578), (228, 18626), (242, 18656), (267, 18722), (269, 18728), (312, 18839), (316, 18848), (333, 18875), (338, 18884), (349, 18905), (428, 19076), (429, 19079), (458, 19145), (463, 19160), (486, 19211), (498, 19244), (508, 19253), (529, 19295), (538, 19316), (555, 19364), (557, 19376), (566, 19403), (594, 19472), (620, 19541), (667, 19574), (691, 19631), (696, 19646), (712, 19682), (733, 19751), (756, 19838), (760, 19853), (777, 19910), (780, 19919), (798, 19958), (814, 19997), (816, 20003),

Gene: Expelliarmus_23 Start: 18620, Stop: 20410, Start Num: 108

Candidate Starts for Expelliarmus_23:

(Start: 90 @18596 has 8 MA's), (Start: 108 @18620 has 545 MA's), (170, 18713), (184, 18758), (233, 18857), (247, 18893), (264, 18932), (Start: 268 @18947 has 11 MA's), (288, 18983), (338, 19103), (341, 19109), (399, 19229), (456, 19358), (495, 19430), (549, 19544), (628, 19760), (637, 19793), (681, 19895), (693, 19928), (698, 19943), (713, 19973), (791, 20243), (794, 20252), (795, 20261), (830, 20375),

Gene: ExplosioNervosa_30 Start: 21782, Stop: 23572, Start Num: 108

Candidate Starts for ExplosioNervosa_30:

(Start: 105 @21779 has 8 MA's), (Start: 108 @21782 has 545 MA's), (232, 22016), (233, 22019), (262, 22091), (264, 22094), (Start: 268 @22109 has 11 MA's), (289, 22148), (292, 22154), (338, 22265), (373, 22352), (412, 22433), (413, 22436), (513, 22622), (540, 22685), (551, 22709), (553, 22715), (563, 22748), (597, 22829), (637, 22955), (651, 22997), (681, 23057), (693, 23090), (698, 23105), (735, 23204), (736, 23207), (738, 23219), (760, 23303), (780, 23369), (792, 23408), (794, 23414), (809, 23459), (824, 23516), (825, 23519),

Gene: Eyeball_27 Start: 20895, Stop: 22697, Start Num: 109

Candidate Starts for Eyeball_27:

(Start: 109 @20895 has 207 MA's), (Start: 124 @20916 has 4 MA's), (Start: 146 @20958 has 1 MA's), (171, 21003), (264, 21219), (283, 21264), (289, 21273), (301, 21312), (321, 21363), (322, 21366), (413, 21561), (449, 21630), (549, 21831), (551, 21834), (556, 21855), (596, 21951), (597, 21954), (599, 21960), (623, 22029), (628, 22047), (630, 22056), (639, 22086), (681, 22182), (693, 22215), (698, 22230), (745, 22371), (760, 22428), (794, 22539),

Gene: Eyre_17 Start: 15369, Stop: 17078, Start Num: 195

Candidate Starts for Eyre_17:

(Start: 195 @15369 has 39 MA's), (244, 15486), (301, 15636), (351, 15732), (359, 15759), (406, 15852), (409, 15864), (487, 16038), (534, 16155), (541, 16179), (604, 16344), (625, 16401), (634, 16440), (655, 16497), (662, 16500), (696, 16593), (711, 16626), (785, 16881), (787, 16884), (797, 16932), (810, 16962), (824, 17019),

Gene: FF47_21 Start: 15896, Stop: 17782, Start Num: 49

Candidate Starts for FF47_21:

(49, 15896), (Start: 59 @15932 has 4 MA's), (Start: 81 @15983 has 15 MA's), (101, 16010), (139, 16070), (Start: 175 @16136 has 47 MA's), (190, 16187), (Start: 197 @16205 has 1 MA's), (326, 16511), (354, 16568), (373, 16616), (375, 16619), (392, 16682), (399, 16703), (426, 16766), (429, 16775), (434, 16790), (520, 16925), (538, 16964), (545, 16985), (557, 17024), (577, 17066), (583, 17081), (586, 17087), (721, 17396), (727, 17405), (728, 17411), (732, 17423), (742, 17453), (749, 17477), (791, 17597), (810, 17654), (832, 17741), (834, 17750),

Gene: Fairfaxidum_19 Start: 16818, Stop: 18467, Start Num: 175

Candidate Starts for Fairfaxidum_19:

(26, 16287), (28, 16317), (29, 16323), (33, 16455), (38, 16512), (39, 16521), (98, 16680), (156, 16782), (Start: 175 @16818 has 47 MA's), (213, 16923), (253, 17001), (273, 17061), (280, 17073), (282, 17076), (294, 17100), (364, 17274), (370, 17289), (416, 17373), (422, 17385), (426, 17394), (427, 17397), (434, 17418), (456, 17460), (466, 17490), (549, 17673), (556, 17697), (571, 17748), (604, 17841), (608, 17853), (624, 17895), (661, 17913), (713, 18048), (742, 18147), (747, 18165), (760, 18216), (778, 18276), (780, 18282), (813, 18357),

Gene: FairyPath_24 Start: 20027, Stop: 21622, Start Num: 147

Candidate Starts for FairyPath_24:

(Start: 94 @19943 has 79 MA's), (Start: 147 @20027 has 45 MA's), (Start: 183 @20105 has 1 MA's), (227, 20192), (233, 20207), (257, 20255), (271, 20294), (306, 20381), (321, 20414), (342, 20450), (354, 20480), (356, 20486), (400, 20555), (424, 20585), (428, 20597), (429, 20600), (456, 20657), (517, 20789), (520, 20795), (547, 20861), (549, 20867), (556, 20891), (573, 20939), (584, 20963), (589, 20972), (616, 21047), (671, 21098), (678, 21113), (736, 21275), (742, 21302), (751, 21332), (780, 21437), (815, 21515), (822, 21551), (824, 21560), (833, 21593), (838, 21608),

Gene: Faith5x5_17 Start: 14654, Stop: 16363, Start Num: 195

Candidate Starts for Faith5x5_17:

(140, 14519), (Start: 195 @14654 has 39 MA's), (213, 14696), (244, 14771), (269, 14843), (270, 14846), (289, 14882), (301, 14921), (328, 14975), (359, 15044), (363, 15056), (405, 15134), (406, 15137), (487, 15323), (516, 15404), (541, 15464), (543, 15470), (564, 15512), (592, 15593), (604, 15629), (610, 15647), (614, 15662), (625, 15686), (648, 15761), (655, 15782), (662, 15785), (742, 16016), (746, 16031), (785, 16166), (787, 16169), (797, 16217), (810, 16247), (820, 16283),

Gene: Fajezeel_29 Start: 21405, Stop: 23207, Start Num: 109

Candidate Starts for Fajezeel_29:

(Start: 109 @21405 has 207 MA's), (Start: 124 @21426 has 4 MA's), (Start: 146 @21468 has 1 MA's), (171, 21513), (264, 21729), (283, 21774), (289, 21783), (321, 21873), (322, 21876), (413, 22071), (449, 22140), (549, 22341), (551, 22344), (556, 22365), (596, 22461), (597, 22464), (599, 22470), (623, 22539), (628, 22557), (630, 22566), (639, 22596), (681, 22692), (693, 22725), (698, 22740), (745, 22881), (760, 22938), (794, 23049),

Gene: Fameo_28 Start: 20236, Stop: 22008, Start Num: 108

Candidate Starts for Fameo_28:

(65, 20170), (Start: 90 @20212 has 8 MA's), (Start: 108 @20236 has 545 MA's), (232, 20470), (233, 20473), (262, 20545), (264, 20548), (289, 20602), (301, 20641), (318, 20686), (338, 20719), (373, 20806), (412, 20887), (413, 20890), (551, 21163), (597, 21283), (637, 21409), (669, 21463), (674, 21472), (681, 21493), (693, 21526), (698, 21541), (701, 21547), (724, 21601), (735, 21640), (738, 21655), (760, 21739), (794, 21850),

Gene: Familton_57 Start: 33481, Stop: 35217, Start Num: 74

Candidate Starts for Familton_57:

(Start: 69 @33472 has 2 MA's), (Start: 74 @33481 has 26 MA's), (134, 33571), (187, 33688), (203, 33724), (214, 33745), (230, 33772), (233, 33778), (249, 33808), (261, 33832), (281, 33883), (342, 34021), (344, 34027), (363, 34078), (365, 34081), (374, 34099), (420, 34150), (429, 34171), (430, 34174), (455, 34222), (456, 34228), (474, 34276), (477, 34282), (480, 34288), (504, 34348), (515, 34372), (517, 34375), (538, 34420), (542, 34435), (546, 34444), (549, 34453), (564, 34498), (573, 34516), (589, 34549), (673, 34687), (680, 34708), (706, 34774), (717, 34804), (734, 34858), (744, 34900), (751, 34921), (755, 34942), (759, 34954), (765, 34975), (781, 35029), (815, 35107), (822, 35143), (827, 35164), (834, 35191),

Gene: Fancypants_16 Start: 14817, Stop: 16526, Start Num: 87

Candidate Starts for Fancypants_16:

(Start: 87 @14817 has 207 MA's), (150, 14904), (161, 14925), (Start: 175 @14949 has 47 MA's), (182, 14973), (187, 14994), (230, 15078), (233, 15084), (242, 15102), (257, 15132), (300, 15237), (320, 15291), (323, 15297), (337, 15315), (338, 15318), (342, 15327), (352, 15351), (396, 15426), (402, 15438), (408, 15453), (410, 15459), (420, 15477), (427, 15492), (429, 15498), (436, 15519), (445, 15534), (455, 15549), (456, 15555), (474, 15603), (480, 15615), (484, 15621), (515, 15681), (522, 15693), (538, 15729), (541, 15741), (571, 15816), (573, 15825), (581, 15843), (584, 15849), (596, 15879), (667, 15984), (671, 15993), (673, 15996), (687, 16032), (716, 16110), (744, 16209), (751, 16230), (759, 16263), (768, 16293), (776, 16323), (779, 16332), (781, 16338), (792, 16353), (793, 16356), (800, 16380), (813, 16410), (817, 16422), (822, 16452), (833, 16494),

Gene: Farber_29 Start: 20372, Stop: 22168, Start Num: 108

Candidate Starts for Farber_29:

(Start: 108 @20372 has 545 MA's), (Start: 146 @20429 has 1 MA's), (154, 20444), (173, 20477), (179, 20498), (Start: 183 @20513 has 1 MA's), (227, 20600), (232, 20612), (233, 20615), (264, 20690), (Start: 268 @20705 has 11 MA's), (288, 20741), (373, 20948), (430, 21062), (449, 21101), (495, 21188), (549, 21302), (556, 21326), (563, 21344), (597, 21425), (623, 21500), (628, 21518), (637, 21551), (639, 21557), (653, 21596), (680, 21650), (681, 21653), (689, 21674), (713, 21731), (760, 21899), (792, 22004), (794, 22010), (833, 22145),

Gene: Fascinus_26 Start: 20958, Stop: 22760, Start Num: 109

Candidate Starts for Fascinus_26:

(Start: 109 @20958 has 207 MA's), (Start: 124 @20979 has 4 MA's), (Start: 146 @21021 has 1 MA's), (171, 21066), (264, 21282), (283, 21327), (289, 21336), (301, 21375), (321, 21426), (322, 21429), (413, 21624), (449, 21693), (549, 21894), (551, 21897), (556, 21918), (596, 22014), (597, 22017), (599, 22023), (623, 22092), (628, 22110), (630, 22119), (639, 22149), (681, 22245), (693, 22278), (698, 22293), (745, 22434), (760, 22491), (794, 22602),

Gene: Fastidio_16 Start: 14771, Stop: 16480, Start Num: 87

Candidate Starts for Fastidio_16:

(Start: 87 @14771 has 207 MA's), (150, 14858), (Start: 175 @14903 has 47 MA's), (182, 14927), (230, 15032), (233, 15038), (242, 15056), (257, 15086), (300, 15191), (320, 15245), (323, 15251), (338, 15272), (342, 15281), (352, 15305), (368, 15347), (420, 15431), (427, 15446), (429, 15452), (445, 15488), (448, 15491), (455, 15503), (456, 15509), (474, 15557), (480, 15569), (484, 15575), (515, 15635), (522, 15647), (538, 15683), (541, 15695), (571, 15770), (573, 15779), (581, 15797), (584, 15803), (596, 15833), (667, 15938), (671, 15947), (673, 15950), (687, 15986), (716, 16064), (744, 16163), (751, 16184), (759, 16217), (768, 16247), (776, 16277), (779, 16286), (781, 16292), (792, 16307), (793, 16310), (800, 16334), (813, 16364), (817, 16376), (822, 16406), (833, 16448),

Gene: Fayely_30 Start: 21782, Stop: 23572, Start Num: 108

Candidate Starts for Fayely_30:

(Start: 105 @21779 has 8 MA's), (Start: 108 @21782 has 545 MA's), (232, 22016), (233, 22019), (262, 22091), (264, 22094), (Start: 268 @22109 has 11 MA's), (289, 22148), (292, 22154), (338, 22265), (373, 22352), (412, 22433), (413, 22436), (513, 22622), (540, 22685), (551, 22709), (553, 22715), (563, 22748), (597, 22829), (637, 22955), (651, 22997), (681, 23057), (693, 23090), (698, 23105), (735, 23204), (736, 23207), (738, 23219), (760, 23303), (780, 23369), (792, 23408), (794, 23414), (809, 23459), (824, 23516), (825, 23519),

Gene: Fefferhead_22 Start: 17500, Stop: 19257, Start Num: 78

Candidate Starts for Fefferhead_22:

(Start: 62 @17464 has 1 MA's), (Start: 75 @17494 has 25 MA's), (Start: 78 @17500 has 41 MA's), (Start: 79 @17503 has 139 MA's), (Start: 97 @17515 has 44 MA's), (101, 17521), (Start: 175 @17647 has 47 MA's), (179, 17662), (Start: 196 @17713 has 7 MA's), (210, 17743), (221, 17776), (266, 17878), (288, 17920), (310, 17992), (315, 18001), (383, 18145), (384, 18148), (393, 18163), (395, 18175), (399, 18181), (405, 18199), (412, 18223), (418, 18229), (430, 18256), (525, 18412), (573, 18529), (586, 18562), (593, 18574), (597, 18586), (612, 18634), (693, 18826), (706, 18859), (742, 18931), (745, 18943), (759, 18994), (760, 19000), (795, 19093), (815, 19144), (824, 19189), (834, 19228), (835, 19231), (843, 19249),

Gene: Fenn_28 Start: 22770, Stop: 24572, Start Num: 109

Candidate Starts for Fenn_28:

(Start: 109 @22770 has 207 MA's), (Start: 124 @22791 has 4 MA's), (Start: 146 @22833 has 1 MA's), (171, 22878), (264, 23094), (283, 23139), (289, 23148), (301, 23187), (321, 23238), (322, 23241),

(413, 23436), (449, 23505), (477, 23565), (549, 23706), (551, 23709), (556, 23730), (596, 23826), (597, 23829), (599, 23835), (623, 23904), (628, 23922), (630, 23931), (639, 23961), (681, 24057), (693, 24090), (698, 24105), (745, 24246), (760, 24303), (794, 24414),

Gene: Fenry_18 Start: 16369, Stop: 18015, Start Num: 175

Candidate Starts for Fenry_18:

(156, 16333), (Start: 175 @16369 has 47 MA's), (213, 16471), (254, 16552), (294, 16648), (304, 16687), (325, 16732), (336, 16747), (345, 16768), (364, 16822), (370, 16837), (456, 17008), (466, 17038), (514, 17137), (549, 17221), (556, 17245), (571, 17296), (604, 17389), (608, 17401), (626, 17446), (661, 17461), (712, 17593), (713, 17596), (742, 17695), (747, 17713), (760, 17764), (778, 17824), (780, 17830), (808, 17893), (813, 17905),

Gene: Fernando_29 Start: 20378, Stop: 22174, Start Num: 108

Candidate Starts for Fernando_29:

(Start: 108 @20378 has 545 MA's), (Start: 146 @20435 has 1 MA's), (154, 20450), (173, 20483), (179, 20504), (Start: 183 @20519 has 1 MA's), (227, 20606), (232, 20618), (233, 20621), (264, 20696), (Start: 268 @20711 has 11 MA's), (288, 20747), (373, 20954), (430, 21068), (449, 21107), (495, 21194), (549, 21308), (556, 21332), (563, 21350), (597, 21431), (623, 21506), (628, 21524), (637, 21557), (639, 21563), (653, 21602), (680, 21656), (681, 21659), (689, 21680), (713, 21737), (760, 21905), (792, 22010), (794, 22016), (833, 22151),

Gene: Feyre_21 Start: 17413, Stop: 19185, Start Num: 81

Candidate Starts for Feyre_21:

(Start: 81 @17413 has 15 MA's), (86, 17419), (103, 17443), (129, 17476), (154, 17524), (179, 17578), (Start: 196 @17629 has 7 MA's), (221, 17692), (Start: 268 @17800 has 11 MA's), (310, 17908), (363, 18022), (365, 18025), (384, 18064), (393, 18079), (395, 18091), (399, 18097), (412, 18139), (418, 18145), (434, 18184), (447, 18208), (515, 18310), (542, 18373), (557, 18418), (612, 18553), (645, 18652), (683, 18730), (693, 18754), (695, 18760), (701, 18775), (745, 18871), (747, 18877), (798, 19030), (829, 19135), (830, 19138), (834, 19156),

Gene: Fibonacci_28 Start: 20752, Stop: 22551, Start Num: 108

Candidate Starts for Fibonacci_28:

(65, 20686), (Start: 90 @20728 has 8 MA's), (Start: 108 @20752 has 545 MA's), (141, 20794), (184, 20890), (189, 20905), (232, 20986), (233, 20989), (264, 21064), (Start: 268 @21079 has 11 MA's), (289, 21118), (292, 21124), (338, 21235), (341, 21241), (373, 21322), (413, 21406), (472, 21532), (485, 21550), (507, 21577), (563, 21718), (592, 21784), (596, 21796), (597, 21799), (662, 21988), (674, 22015), (678, 22024), (683, 22045), (685, 22048), (693, 22069), (698, 22084), (710, 22108), (735, 22183), (738, 22198), (760, 22282), (792, 22387), (794, 22393), (813, 22447), (840, 22546),

Gene: Filch_25 Start: 19504, Stop: 21183, Start Num: 94

Candidate Starts for Filch_25:

(Start: 94 @19504 has 79 MA's), (Start: 147 @19588 has 45 MA's), (Start: 183 @19666 has 1 MA's), (227, 19753), (233, 19768), (257, 19816), (271, 19855), (306, 19942), (321, 19975), (342, 20011), (354, 20041), (356, 20047), (400, 20116), (424, 20146), (428, 20158), (429, 20161), (456, 20218), (517, 20350), (520, 20356), (547, 20422), (549, 20428), (556, 20452), (573, 20500), (584, 20524), (589, 20533), (616, 20608), (671, 20659), (678, 20674), (736, 20836), (742, 20863), (751, 20893), (780, 20998), (815, 21076), (822, 21112), (824, 21121), (833, 21154), (838, 21169),

Gene: Filuzino_16 Start: 14799, Stop: 16508, Start Num: 87

Candidate Starts for Filuzino_16:

(Start: 87 @14799 has 207 MA's), (150, 14886), (Start: 175 @14931 has 47 MA's), (182, 14955), (230, 15060), (233, 15066), (242, 15084), (257, 15114), (300, 15219), (323, 15279), (329, 15288), (337, 15297), (338, 15300), (342, 15309), (352, 15333), (396, 15408), (420, 15459), (427, 15474), (429,

15480), (445, 15516), (448, 15519), (455, 15531), (456, 15537), (474, 15585), (480, 15597), (484, 15603), (515, 15663), (522, 15675), (538, 15711), (541, 15723), (571, 15798), (573, 15807), (581, 15825), (584, 15831), (596, 15861), (667, 15966), (671, 15975), (673, 15978), (687, 16014), (716, 16092), (744, 16191), (751, 16212), (759, 16245), (768, 16275), (776, 16305), (779, 16314), (781, 16320), (792, 16335), (793, 16338), (800, 16362), (813, 16392), (817, 16404), (822, 16434), (833, 16476),

Gene: Findley_19 Start: 15016, Stop: 16785, Start Num: 78

Candidate Starts for Findley_19:

(Start: 62 @14980 has 1 MA's), (Start: 75 @15010 has 25 MA's), (Start: 78 @15016 has 41 MA's), (Start: 97 @15031 has 44 MA's), (129, 15073), (154, 15121), (Start: 175 @15160 has 47 MA's), (179, 15175), (Start: 196 @15226 has 7 MA's), (210, 15256), (221, 15289), (227, 15301), (234, 15319), (266, 15391), (Start: 268 @15397 has 11 MA's), (306, 15493), (310, 15505), (359, 15607), (365, 15622), (383, 15658), (399, 15694), (418, 15742), (434, 15781), (447, 15805), (454, 15817), (515, 15907), (520, 15916), (596, 16111), (612, 16162), (630, 16216), (647, 16270), (706, 16384), (718, 16393), (745, 16468), (759, 16519), (760, 16525), (795, 16621), (816, 16675), (834, 16756), (843, 16777),

Gene: Finkle_19 Start: 16256, Stop: 17803, Start Num: 201

Candidate Starts for Finkle_19:

(111, 16073), (133, 16106), (191, 16241), (Start: 201 @16256 has 1 MA's), (204, 16262), (231, 16325), (285, 16439), (289, 16448), (291, 16451), (293, 16454), (299, 16475), (319, 16520), (321, 16523), (351, 16577), (405, 16688), (427, 16736), (463, 16823), (511, 16844), (513, 16847), (523, 16865), (564, 16967), (579, 17021), (597, 17066), (623, 17147), (666, 17261), (669, 17267), (686, 17297), (690, 17306), (716, 17372), (757, 17513), (760, 17525), (787, 17600), (796, 17645), (829, 17759), (833, 17774),

Gene: Fionnbharth_24 Start: 18623, Stop: 20410, Start Num: 79

Candidate Starts for Fionnbharth_24:

(Start: 62 @18584 has 1 MA's), (Start: 75 @18614 has 25 MA's), (Start: 78 @18620 has 41 MA's), (Start: 79 @18623 has 139 MA's), (Start: 99 @18638 has 4 MA's), (129, 18680), (154, 18728), (Start: 175 @18767 has 47 MA's), (179, 18782), (184, 18800), (Start: 196 @18833 has 7 MA's), (210, 18863), (227, 18908), (234, 18926), (266, 18998), (Start: 268 @19004 has 11 MA's), (283, 19034), (286, 19037), (306, 19100), (310, 19112), (373, 19247), (383, 19265), (395, 19295), (399, 19301), (405, 19319), (418, 19349), (434, 19388), (515, 19514), (542, 19577), (612, 19778), (630, 19832), (645, 19877), (668, 19922), (681, 19946), (693, 19979), (694, 19982), (706, 20012), (742, 20084), (745, 20096), (759, 20147), (760, 20153), (798, 20255), (834, 20381), (843, 20402),

Gene: FireRed_24 Start: 19858, Stop: 21453, Start Num: 147

Candidate Starts for FireRed_24:

(Start: 94 @19774 has 79 MA's), (Start: 147 @19858 has 45 MA's), (Start: 183 @19936 has 1 MA's), (227, 20023), (233, 20038), (257, 20086), (271, 20125), (306, 20212), (321, 20245), (342, 20281), (354, 20311), (356, 20317), (400, 20386), (424, 20416), (428, 20428), (429, 20431), (456, 20488), (517, 20620), (520, 20626), (547, 20692), (549, 20698), (556, 20722), (573, 20770), (584, 20794), (589, 20803), (616, 20878), (671, 20929), (678, 20944), (736, 21106), (742, 21133), (751, 21163), (780, 21268), (815, 21346), (822, 21382), (824, 21391), (833, 21424), (838, 21439),

Gene: Firecracker_57 Start: 33671, Stop: 35407, Start Num: 74

Candidate Starts for Firecracker_57:

(Start: 69 @33662 has 2 MA's), (Start: 74 @33671 has 26 MA's), (134, 33761), (187, 33878), (203, 33914), (214, 33935), (230, 33962), (233, 33968), (249, 33998), (261, 34022), (281, 34073), (342, 34211), (344, 34217), (363, 34268), (365, 34271), (374, 34289), (420, 34340), (429, 34361), (430, 34364), (455, 34412), (456, 34418), (474, 34466), (477, 34472), (480, 34478), (504, 34538), (515, 34562), (517, 34565), (538, 34610), (542, 34625), (546, 34634), (549, 34643), (564, 34688), (573,

34706), (589, 34739), (673, 34877), (680, 34898), (706, 34964), (717, 34994), (734, 35048), (744, 35090), (751, 35111), (755, 35132), (759, 35144), (765, 35165), (781, 35219), (815, 35297), (822, 35333), (827, 35354), (834, 35381),

Gene: Firehouse51_17 Start: 15366, Stop: 17075, Start Num: 87

Candidate Starts for Firehouse51_17:

(Start: 87 @15366 has 207 MA's), (150, 15453), (Start: 175 @15498 has 47 MA's), (182, 15522), (230, 15627), (233, 15633), (242, 15651), (257, 15681), (300, 15786), (323, 15846), (338, 15867), (342, 15876), (352, 15900), (365, 15936), (420, 16026), (427, 16041), (429, 16047), (445, 16083), (448, 16086), (455, 16098), (456, 16104), (474, 16152), (480, 16164), (484, 16170), (515, 16230), (522, 16242), (538, 16278), (541, 16290), (571, 16365), (573, 16374), (581, 16392), (584, 16398), (596, 16428), (667, 16533), (671, 16542), (673, 16545), (687, 16581), (716, 16659), (744, 16758), (751, 16779), (759, 16812), (768, 16842), (776, 16872), (779, 16881), (781, 16887), (792, 16902), (793, 16905), (800, 16929), (813, 16959), (817, 16971), (822, 17001), (833, 17043),

Gene: FiringLine_28 Start: 20118, Stop: 21890, Start Num: 108

Candidate Starts for FiringLine_28:

(65, 20052), (Start: 90 @20094 has 8 MA's), (Start: 108 @20118 has 545 MA's), (173, 20217), (202, 20301), (232, 20352), (233, 20355), (262, 20427), (264, 20430), (289, 20484), (301, 20523), (318, 20568), (338, 20601), (373, 20688), (412, 20769), (413, 20772), (551, 21045), (597, 21165), (637, 21291), (669, 21345), (693, 21408), (698, 21423), (701, 21429), (724, 21483), (735, 21522), (738, 21537), (742, 21552), (760, 21621), (794, 21732), (833, 21867),

Gene: First_0028 Start: 20226, Stop: 21998, Start Num: 108

Candidate Starts for First_0028:

(Start: 90 @20202 has 8 MA's), (Start: 108 @20226 has 545 MA's), (173, 20325), (232, 20460), (233, 20463), (262, 20535), (264, 20538), (289, 20592), (292, 20598), (301, 20631), (338, 20709), (373, 20796), (412, 20877), (413, 20880), (551, 21153), (592, 21258), (597, 21273), (637, 21399), (639, 21405), (669, 21453), (693, 21516), (698, 21531), (701, 21537), (714, 21567), (724, 21591), (735, 21630), (738, 21645), (760, 21729), (785, 21810),

Gene: FirstPlacePfu_19 Start: 16385, Stop: 18121, Start Num: 82

Candidate Starts for FirstPlacePfu_19:

(Start: 71 @16361 has 2 MA's), (Start: 82 @16385 has 44 MA's), (128, 16445), (136, 16466), (138, 16469), (Start: 195 @16589 has 39 MA's), (213, 16628), (232, 16661), (244, 16685), (296, 16805), (306, 16844), (309, 16850), (351, 16934), (352, 16940), (356, 16952), (365, 16976), (379, 17003), (400, 17021), (417, 17060), (420, 17066), (430, 17090), (456, 17144), (461, 17156), (463, 17165), (490, 17225), (526, 17303), (541, 17342), (554, 17375), (573, 17441), (578, 17456), (584, 17465), (594, 17489), (605, 17519), (610, 17531), (682, 17633), (689, 17645), (691, 17648), (692, 17654), (695, 17663), (734, 17771), (755, 17855), (787, 17954), (824, 18062), (838, 18110),

Gene: Fishburne_19 Start: 16385, Stop: 18121, Start Num: 82

Candidate Starts for Fishburne_19:

(Start: 71 @16361 has 2 MA's), (Start: 82 @16385 has 44 MA's), (128, 16445), (136, 16466), (138, 16469), (Start: 195 @16589 has 39 MA's), (213, 16628), (232, 16661), (244, 16685), (296, 16805), (306, 16844), (309, 16850), (351, 16934), (352, 16940), (356, 16952), (365, 16976), (379, 17003), (400, 17021), (417, 17060), (420, 17066), (430, 17090), (456, 17144), (461, 17156), (463, 17165), (490, 17225), (526, 17303), (541, 17342), (554, 17375), (573, 17441), (578, 17456), (584, 17465), (594, 17489), (605, 17519), (610, 17531), (682, 17633), (689, 17645), (691, 17648), (692, 17654), (695, 17663), (734, 17771), (755, 17855), (787, 17954), (824, 18062), (838, 18110),

Gene: FlagStaff_18 Start: 16851, Stop: 18575, Start Num: 99

Candidate Starts for FlagStaff_18:

(Start: 99 @16851 has 4 MA's), (154, 16923), (210, 17058), (240, 17133), (264, 17184), (Start: 268 @17199 has 11 MA's), (283, 17229), (288, 17235), (304, 17289), (359, 17409), (380, 17454), (399, 17505), (403, 17514), (418, 17553), (434, 17592), (454, 17628), (479, 17673), (515, 17718), (573, 17859), (597, 17916), (612, 17964), (623, 17991), (636, 18039), (665, 18081), (693, 18144), (741, 18246), (759, 18312), (820, 18486), (836, 18552),

Gene: Flapper_45 Start: 31189, Stop: 32808, Start Num: 194

Candidate Starts for Flapper_45:

(Start: 194 @31189 has 87 MA's), (199, 31204), (Start: 209 @31225 has 1 MA's), (243, 31303), (359, 31570), (371, 31600), (395, 31627), (401, 31636), (405, 31651), (457, 31762), (469, 31792), (470, 31795), (499, 31852), (593, 32077), (604, 32116), (622, 32164), (669, 32290), (683, 32326), (713, 32383), (730, 32437), (751, 32512), (796, 32644), (820, 32719), (822, 32731), (825, 32743), (827, 32752), (838, 32788),

Gene: Flare16_28 Start: 20214, Stop: 21986, Start Num: 108

Candidate Starts for Flare16_28:

(Start: 90 @20190 has 8 MA's), (Start: 108 @20214 has 545 MA's), (Start: 183 @20349 has 1 MA's), (232, 20448), (233, 20451), (262, 20523), (264, 20526), (289, 20580), (292, 20586), (310, 20649), (338, 20697), (352, 20730), (373, 20784), (412, 20865), (413, 20868), (430, 20898), (513, 21054), (551, 21141), (597, 21261), (636, 21384), (637, 21387), (639, 21393), (669, 21441), (693, 21504), (698, 21519), (701, 21525), (724, 21579), (735, 21618), (738, 21633), (747, 21666), (792, 21822), (794, 21828), (813, 21882),

Gene: Flathead_17 Start: 14674, Stop: 16383, Start Num: 87

Candidate Starts for Flathead_17:

(Start: 87 @14674 has 207 MA's), (150, 14761), (Start: 175 @14806 has 47 MA's), (182, 14830), (230, 14935), (233, 14941), (242, 14959), (257, 14989), (300, 15094), (323, 15154), (338, 15175), (342, 15184), (352, 15208), (420, 15334), (427, 15349), (429, 15355), (445, 15391), (448, 15394), (455, 15406), (456, 15412), (474, 15460), (480, 15472), (484, 15478), (515, 15538), (522, 15550), (538, 15586), (541, 15598), (571, 15673), (573, 15682), (581, 15700), (584, 15706), (596, 15736), (667, 15841), (671, 15850), (673, 15853), (687, 15889), (716, 15967), (744, 16066), (751, 16087), (759, 16120), (768, 16150), (776, 16180), (779, 16189), (781, 16195), (792, 16210), (793, 16213), (800, 16237), (813, 16267), (817, 16279), (822, 16309), (833, 16351),

Gene: Flaverint_28 Start: 20749, Stop: 22548, Start Num: 108

Candidate Starts for Flaverint_28:

(65, 20683), (Start: 90 @20725 has 8 MA's), (Start: 108 @20749 has 545 MA's), (141, 20791), (184, 20887), (189, 20902), (232, 20983), (233, 20986), (264, 21061), (Start: 268 @21076 has 11 MA's), (289, 21115), (292, 21121), (338, 21232), (341, 21238), (373, 21319), (413, 21403), (472, 21529), (485, 21547), (507, 21574), (563, 21715), (592, 21781), (596, 21793), (597, 21796), (662, 21985), (674, 22012), (678, 22021), (683, 22042), (685, 22045), (693, 22066), (698, 22081), (710, 22105), (735, 22180), (738, 22195), (760, 22279), (792, 22384), (794, 22390), (813, 22444), (840, 22543),

Gene: Float294_43 Start: 30912, Stop: 32534, Start Num: 194

Candidate Starts for Float294_43:

(Start: 194 @30912 has 87 MA's), (243, 31029), (272, 31107), (351, 31269), (353, 31281), (359, 31296), (401, 31362), (405, 31377), (457, 31488), (469, 31518), (470, 31521), (499, 31578), (532, 31650), (565, 31734), (570, 31755), (604, 31842), (622, 31890), (669, 32016), (670, 32019), (683, 32052), (713, 32109), (751, 32238), (760, 32277), (799, 32382), (820, 32445), (822, 32457), (825, 32469), (827, 32478), (838, 32514),

Gene: Florean_27 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for Florean_27:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (736, 21237), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: Florinda_16 Start: 14828, Stop: 16537, Start Num: 87

Candidate Starts for Florinda_16:

(Start: 87 @14828 has 207 MA's), (150, 14915), (Start: 175 @14960 has 47 MA's), (182, 14984), (230, 15089), (233, 15095), (242, 15113), (257, 15143), (300, 15248), (323, 15308), (338, 15329), (342, 15338), (352, 15362), (420, 15488), (427, 15503), (429, 15509), (435, 15527), (436, 15530), (445, 15545), (448, 15548), (455, 15560), (456, 15566), (459, 15575), (474, 15614), (480, 15626), (484, 15632), (515, 15692), (538, 15740), (541, 15752), (571, 15827), (573, 15836), (581, 15854), (584, 15860), (596, 15890), (667, 15995), (673, 16007), (687, 16043), (716, 16121), (744, 16220), (751, 16241), (759, 16274), (768, 16304), (776, 16334), (779, 16343), (781, 16349), (792, 16364), (793, 16367), (798, 16388), (800, 16391), (817, 16433), (822, 16463), (833, 16505),

Gene: Flux_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Flux_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: FlyCatcher_31 Start: 22924, Stop: 24726, Start Num: 108

Candidate Starts for FlyCatcher_31:

(Start: 99 @22912 has 4 MA's), (Start: 108 @22924 has 545 MA's), (Start: 146 @22972 has 1 MA's), (155, 22990), (232, 23155), (233, 23158), (264, 23233), (Start: 268 @23248 has 11 MA's), (289, 23287), (341, 23410), (343, 23416), (356, 23449), (373, 23491), (441, 23635), (515, 23761), (549, 23842), (563, 23884), (580, 23932), (596, 23980), (597, 23983), (623, 24058), (628, 24076), (630, 24085), (637, 24109), (639, 24115), (680, 24208), (681, 24211), (693, 24244), (698, 24259), (745, 24400), (785, 24538), (792, 24562), (794, 24568), (825, 24673),

Gene: Flypotenuse_22 Start: 19446, Stop: 21041, Start Num: 147

Candidate Starts for Flypotenuse_22:

(Start: 94 @19362 has 79 MA's), (Start: 147 @19446 has 45 MA's), (Start: 183 @19524 has 1 MA's), (227, 19611), (233, 19626), (257, 19674), (271, 19713), (306, 19800), (321, 19833), (342, 19869), (354, 19899), (356, 19905), (400, 19974), (424, 20004), (428, 20016), (429, 20019), (456, 20076), (517, 20208), (520, 20214), (547, 20280), (549, 20286), (556, 20310), (573, 20358), (584, 20382), (589, 20391), (616, 20466), (671, 20517), (678, 20532), (736, 20694), (742, 20721), (751, 20751), (780, 20856), (815, 20934), (822, 20970), (824, 20979), (833, 21012), (838, 21027),

Gene: ForGetIt_24 Start: 19589, Stop: 21388, Start Num: 108

Candidate Starts for ForGetIt_24:

(Start: 108 @19589 has 545 MA's), (184, 19727), (233, 19826), (264, 19901), (288, 19952), (310, 20024), (318, 20039), (338, 20072), (341, 20078), (389, 20171), (430, 20273), (441, 20303), (446, 20309), (495, 20399), (513, 20429), (545, 20501), (549, 20513), (551, 20516), (563, 20555), (569, 20573), (596, 20633), (597, 20636), (613, 20687), (628, 20729), (680, 20870), (695, 20912), (794,

21230), (833, 21365),

Gene: Forge_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for Forge_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197 @17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406, 18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: Forsytheast_26 Start: 21094, Stop: 22896, Start Num: 109

Candidate Starts for Forsytheast_26:

(Start: 109 @21094 has 207 MA's), (Start: 124 @21115 has 4 MA's), (Start: 146 @21157 has 1 MA's), (171, 21202), (264, 21418), (283, 21463), (289, 21472), (301, 21511), (321, 21562), (322, 21565), (413, 21760), (449, 21829), (549, 22030), (551, 22033), (556, 22054), (596, 22150), (597, 22153), (599, 22159), (623, 22228), (628, 22246), (630, 22255), (639, 22285), (681, 22381), (693, 22414), (698, 22429), (713, 22459), (745, 22570), (760, 22627), (794, 22738),

Gene: Forza_101 Start: 59948, Stop: 61576, Start Num: 116

Candidate Starts for Forza_101:

(Start: 116 @59948 has 4 MA's), (127, 59963), (131, 59966), (144, 59993), (Start: 175 @60050 has 47 MA's), (185, 60086), (199, 60119), (214, 60149), (215, 60152), (251, 60221), (255, 60227), (318, 60392), (342, 60434), (347, 60443), (351, 60452), (353, 60464), (443, 60584), (515, 60737), (541, 60797), (599, 60944), (605, 60965), (610, 60980), (676, 61058), (678, 61064), (722, 61181), (727, 61196), (742, 61253), (751, 61283), (759, 61316), (802, 61436), (838, 61565),

Gene: FoulBall_56 Start: 33475, Stop: 35211, Start Num: 74

Candidate Starts for FoulBall_56:

(Start: 69 @33466 has 2 MA's), (Start: 74 @33475 has 26 MA's), (134, 33565), (187, 33682), (203, 33718), (214, 33739), (230, 33766), (233, 33772), (249, 33802), (261, 33826), (281, 33877), (342, 34015), (344, 34021), (363, 34072), (365, 34075), (374, 34093), (420, 34144), (429, 34165), (430, 34168), (455, 34216), (456, 34222), (474, 34270), (477, 34276), (480, 34282), (504, 34342), (515, 34366), (517, 34369), (538, 34414), (542, 34429), (546, 34438), (549, 34447), (564, 34492), (573, 34510), (589, 34543), (673, 34681), (680, 34702), (706, 34768), (717, 34798), (734, 34852), (744, 34894), (751, 34915), (755, 34936), (759, 34948), (765, 34969), (781, 35023), (815, 35101), (822, 35137), (827, 35158), (834, 35185),

Gene: Foxboro_42 Start: 31331, Stop: 32944, Start Num: 194

Candidate Starts for Foxboro_42:

(Start: 194 @31331 has 87 MA's), (Start: 209 @31367 has 1 MA's), (216, 31385), (243, 31445), (351, 31685), (353, 31697), (359, 31712), (401, 31778), (405, 31793), (419, 31817), (421, 31820), (457, 31904), (469, 31934), (470, 31937), (499, 31994), (519, 32042), (521, 32045), (532, 32066), (570, 32171), (592, 32216), (604, 32258), (669, 32432), (681, 32462), (683, 32468), (729, 32576), (730, 32579), (751, 32654), (822, 32873), (838, 32930),

Gene: Francis47_27 Start: 21642, Stop: 23444, Start Num: 109

Candidate Starts for Francis47_27:

(Start: 109 @21642 has 207 MA's), (Start: 124 @21663 has 4 MA's), (Start: 146 @21705 has 1 MA's), (171, 21750), (264, 21966), (283, 22011), (289, 22020), (321, 22110), (322, 22113), (338, 22137),

(413, 22308), (449, 22377), (549, 22578), (551, 22581), (556, 22602), (596, 22698), (597, 22701), (599, 22707), (623, 22776), (628, 22794), (630, 22803), (639, 22833), (681, 22929), (693, 22962), (698, 22977), (745, 23118), (760, 23175), (794, 23286),

Gene: Francois_22 Start: 17367, Stop: 19073, Start Num: 126

Candidate Starts for Francois_22:

(Start: 69 @17292 has 2 MA's), (Start: 126 @17367 has 16 MA's), (Start: 175 @17460 has 47 MA's), (179, 17475), (Start: 209 @17556 has 1 MA's), (228, 17607), (235, 17628), (286, 17739), (301, 17784), (306, 17802), (310, 17814), (395, 17985), (401, 17994), (403, 18000), (434, 18078), (442, 18096), (466, 18147), (500, 18171), (517, 18201), (546, 18270), (558, 18309), (610, 18441), (630, 18501), (647, 18555), (693, 18642), (744, 18756), (747, 18765), (780, 18870), (814, 18957), (843, 19065),

Gene: Frankie_17 Start: 14912, Stop: 16621, Start Num: 87

Candidate Starts for Frankie_17:

(Start: 87 @14912 has 207 MA's), (150, 14999), (Start: 175 @15044 has 47 MA's), (182, 15068), (187, 15089), (230, 15173), (233, 15179), (242, 15197), (257, 15227), (300, 15332), (323, 15392), (329, 15401), (337, 15410), (338, 15413), (342, 15422), (352, 15446), (396, 15521), (420, 15572), (427, 15587), (429, 15593), (445, 15629), (455, 15644), (456, 15650), (474, 15698), (480, 15710), (484, 15716), (515, 15776), (522, 15788), (538, 15824), (541, 15836), (571, 15911), (573, 15920), (581, 15938), (584, 15944), (596, 15974), (667, 16079), (673, 16091), (687, 16127), (716, 16205), (751, 16325), (759, 16358), (768, 16388), (776, 16418), (779, 16427), (781, 16433), (792, 16448), (793, 16451), (800, 16475), (813, 16505), (817, 16517), (822, 16547), (833, 16589),

Gene: Fred313_27 Start: 19652, Stop: 21451, Start Num: 108

Candidate Starts for Fred313_27:

(Start: 108 @19652 has 545 MA's), (Start: 146 @19712 has 1 MA's), (179, 19781), (227, 19883), (232, 19895), (233, 19898), (264, 19973), (Start: 268 @19988 has 11 MA's), (269, 19991), (289, 20027), (347, 20162), (373, 20231), (430, 20345), (495, 20471), (549, 20585), (556, 20609), (559, 20621), (563, 20627), (597, 20708), (623, 20783), (628, 20801), (630, 20810), (637, 20834), (639, 20840), (645, 20855), (665, 20897), (678, 20924), (680, 20933), (681, 20936), (689, 20957), (693, 20969), (760, 21182), (792, 21287), (794, 21293), (833, 21428),

Gene: FreddyB_16 Start: 14816, Stop: 16525, Start Num: 87

Candidate Starts for FreddyB_16:

(Start: 87 @14816 has 207 MA's), (150, 14903), (Start: 175 @14948 has 47 MA's), (182, 14972), (230, 15077), (233, 15083), (242, 15101), (257, 15131), (300, 15236), (323, 15296), (338, 15317), (342, 15326), (352, 15350), (420, 15476), (427, 15491), (429, 15497), (445, 15533), (448, 15536), (455, 15548), (456, 15554), (474, 15602), (480, 15614), (484, 15620), (515, 15680), (522, 15692), (538, 15728), (541, 15740), (571, 15815), (573, 15824), (581, 15842), (584, 15848), (596, 15878), (667, 15983), (673, 15995), (687, 16031), (716, 16109), (751, 16229), (759, 16262), (768, 16292), (776, 16322), (779, 16331), (781, 16337), (792, 16352), (793, 16355), (800, 16379), (813, 16409), (817, 16421), (822, 16451), (833, 16493),

Gene: Frizzle_17 Start: 14350, Stop: 15954, Start Num: 175

Candidate Starts for Frizzle_17:

(38, 14044), (160, 14323), (Start: 175 @14350 has 47 MA's), (278, 14605), (280, 14608), (282, 14611), (294, 14635), (296, 14641), (308, 14683), (415, 14905), (426, 14929), (427, 14932), (428, 14935), (456, 14995), (498, 15106), (500, 15109), (533, 15166), (547, 15205), (549, 15211), (595, 15346), (608, 15391), (618, 15421), (747, 15652), (755, 15685), (772, 15745), (780, 15769), (835, 15937), (838, 15943),

Gene: FroggyToad_17 Start: 14704, Stop: 16413, Start Num: 195

Candidate Starts for FroggyToad_17:

(140, 14569), (Start: 195 @14704 has 39 MA's), (213, 14746), (244, 14821), (269, 14893), (270, 14896), (301, 14971), (328, 15025), (351, 15067), (359, 15094), (363, 15106), (377, 15136), (405, 15184), (406, 15187), (427, 15232), (487, 15373), (516, 15454), (541, 15514), (546, 15526), (564, 15562), (592, 15643), (604, 15679), (614, 15712), (625, 15736), (647, 15808), (655, 15832), (742, 16066), (746, 16081), (757, 16123), (785, 16216), (787, 16219), (797, 16267), (810, 16297), (820, 16333),

Gene: Froghopper_28 Start: 21057, Stop: 22859, Start Num: 109

Candidate Starts for Froghopper_28:

(Start: 109 @21057 has 207 MA's), (Start: 124 @21078 has 4 MA's), (Start: 146 @21120 has 1 MA's), (171, 21165), (264, 21381), (283, 21426), (289, 21435), (301, 21474), (321, 21525), (322, 21528), (365, 21621), (413, 21723), (449, 21792), (549, 21993), (551, 21996), (556, 22017), (596, 22113), (597, 22116), (599, 22122), (623, 22191), (628, 22209), (630, 22218), (639, 22248), (681, 22344), (693, 22377), (698, 22392), (745, 22533), (760, 22590), (794, 22701),

Gene: Frokostdame_19 Start: 16616, Stop: 18265, Start Num: 175

Candidate Starts for Frokostdame_19:

(156, 16580), (Start: 175 @16616 has 47 MA's), (178, 16625), (213, 16721), (253, 16799), (294, 16898), (304, 16937), (345, 17018), (364, 17072), (370, 17087), (416, 17171), (456, 17258), (466, 17288), (549, 17471), (556, 17495), (571, 17546), (604, 17639), (608, 17651), (626, 17696), (661, 17711), (673, 17738), (712, 17843), (713, 17846), (742, 17945), (747, 17963), (760, 18014), (778, 18074), (780, 18080), (813, 18155),

Gene: Frosty24_18 Start: 16640, Stop: 18403, Start Num: 75

Candidate Starts for Frosty24_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Fruitloop_16 Start: 14838, Stop: 16547, Start Num: 87

Candidate Starts for Fruitloop_16:

(Start: 87 @14838 has 207 MA's), (150, 14925), (Start: 175 @14970 has 47 MA's), (182, 14994), (230, 15099), (233, 15105), (242, 15123), (257, 15153), (300, 15258), (323, 15318), (338, 15339), (342, 15348), (351, 15366), (352, 15372), (420, 15498), (427, 15513), (429, 15519), (445, 15555), (448, 15558), (455, 15570), (456, 15576), (474, 15624), (480, 15636), (484, 15642), (515, 15702), (522, 15714), (538, 15750), (541, 15762), (571, 15837), (573, 15846), (581, 15864), (584, 15870), (596, 15900), (667, 16005), (671, 16014), (673, 16017), (687, 16053), (716, 16131), (744, 16230), (751, 16251), (759, 16284), (768, 16314), (776, 16344), (779, 16353), (781, 16359), (792, 16374), (793, 16377), (800, 16401), (813, 16431), (817, 16443), (822, 16473), (833, 16515),

Gene: Fulbright_18 Start: 14986, Stop: 16695, Start Num: 91

Candidate Starts for Fulbright_18:

(Start: 91 @14986 has 42 MA's), (115, 15013), (Start: 175 @15118 has 47 MA's), (178, 15130), (190, 15166), (213, 15217), (230, 15247), (233, 15253), (247, 15280), (251, 15286), (300, 15406), (320, 15460), (323, 15466), (337, 15484), (342, 15496), (343, 15499), (352, 15520), (368, 15562), (396, 15595), (420, 15646), (427, 15661), (445, 15703), (455, 15718), (456, 15724), (474, 15772), (486, 15796), (497, 15826), (515, 15850), (541, 15910), (546, 15922), (564, 15976), (571, 15985), (595, 16045), (596, 16048), (667, 16153), (671, 16162), (687, 16201), (735, 16339), (775, 16489), (776, 16492), (779, 16501), (792, 16522), (800, 16549), (815, 16585), (838, 16678),

Gene: Funston_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Funston_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Fury_50 Start: 30682, Stop: 32301, Start Num: 194

Candidate Starts for Fury_50:

(Start: 194 @30682 has 87 MA's), (199, 30697), (216, 30736), (243, 30796), (274, 30880), (359, 31063), (401, 31129), (405, 31144), (425, 31180), (457, 31255), (469, 31285), (470, 31288), (478, 31306), (499, 31345), (510, 31375), (596, 31579), (604, 31609), (622, 31657), (623, 31660), (669, 31783), (683, 31819), (751, 32005), (804, 32158), (820, 32212), (822, 32224), (825, 32236), (838, 32281),

Gene: Fushigi_28 Start: 21514, Stop: 23316, Start Num: 109

Candidate Starts for Fushigi_28:

(Start: 109 @21514 has 207 MA's), (Start: 124 @21535 has 4 MA's), (Start: 146 @21577 has 1 MA's), (171, 21622), (264, 21838), (283, 21883), (289, 21892), (301, 21931), (321, 21982), (322, 21985), (341, 22015), (413, 22180), (449, 22249), (549, 22450), (551, 22453), (556, 22474), (596, 22570), (597, 22573), (599, 22579), (623, 22648), (628, 22666), (630, 22675), (639, 22705), (681, 22801), (693, 22834), (698, 22849), (745, 22990), (760, 23047), (794, 23158),

Gene: GAL1_20 Start: 16985, Stop: 18748, Start Num: 118

Candidate Starts for GAL1_20:

(Start: 109 @16976 has 207 MA's), (118, 16985), (167, 17072), (180, 17108), (Start: 198 @17159 has 1 MA's), (208, 17183), (211, 17189), (225, 17249), (226, 17264), (247, 17339), (251, 17345), (275, 17414), (292, 17444), (299, 17471), (301, 17477), (310, 17507), (318, 17525), (335, 17552), (339, 17561), (343, 17570), (347, 17576), (350, 17582), (359, 17612), (390, 17654), (397, 17675), (401, 17681), (404, 17693), (431, 17759), (441, 17786), (444, 17789), (536, 17915), (556, 17975), (569, 18011), (596, 18071), (597, 18074), (603, 18092), (605, 18101), (628, 18167), (630, 18176), (687, 18290), (698, 18323), (705, 18338), (723, 18347), (737, 18395), (745, 18425), (760, 18482), (761, 18485), (763, 18494), (776, 18536), (792, 18581), (794, 18587), (802, 18611), (805, 18617), (812, 18638), (824, 18692), (831, 18716), (835, 18734), (840, 18743),

Gene: GMA1_19 Start: 15927, Stop: 17480, Start Num: 201

Candidate Starts for GMA1_19:

(133, 15795), (Start: 201 @15927 has 1 MA's), (237, 16008), (258, 16050), (285, 16116), (289, 16125), (291, 16128), (293, 16131), (310, 16179), (319, 16197), (321, 16200), (405, 16365), (423, 16401), (427, 16413), (431, 16425), (516, 16530), (523, 16542), (535, 16569), (588, 16719), (610, 16788), (623, 16824), (666, 16938), (669, 16944), (686, 16974), (690, 16983), (704, 17019), (711, 17031), (724, 17067), (727, 17079), (757, 17190), (760, 17202), (787, 17277), (794, 17310), (796, 17322), (812, 17364), (815, 17373), (829, 17436),

Gene: GMA2_30 Start: 31614, Stop: 33245, Start Num: 117

Candidate Starts for GMA2_30:

(Start: 117 @31614 has 11 MA's), (199, 31785), (227, 31833), (233, 31848), (255, 31893), (321, 32064), (342, 32100), (347, 32109), (350, 32115), (351, 32118), (353, 32130), (443, 32250), (494, 32367), (520, 32412), (599, 32613), (605, 32634), (610, 32649), (667, 32709), (697, 32787), (706, 32808), (711, 32817), (727, 32865), (821, 33171), (833, 33219),

Gene: GMA4_18 Start: 16957, Stop: 18117, Start Num: 166

Candidate Starts for GMA4_18:

(166, 16957), (167, 16960), (169, 16963), (173, 16972), (192, 17032), (193, 17035), (206, 17068), (238, 17125), (266, 17179), (270, 17191), (285, 17218), (300, 17263), (391, 17452), (408, 17506), (410, 17512), (445, 17602), (491, 17713), (538, 17815), (562, 17887), (621, 18070),

Gene: GMonster_26 Start: 20497, Stop: 22278, Start Num: 124

Candidate Starts for GMonster_26:

(Start: 109 @20476 has 207 MA's), (Start: 124 @20497 has 4 MA's), (Start: 146 @20539 has 1 MA's), (171, 20584), (264, 20800), (283, 20845), (289, 20854), (321, 20944), (322, 20947), (338, 20971), (365, 21040), (413, 21142), (449, 21211), (545, 21400), (549, 21412), (551, 21415), (556, 21436), (596, 21532), (597, 21535), (599, 21541), (623, 21610), (628, 21628), (630, 21637), (639, 21667), (681, 21763), (693, 21796), (698, 21811), (745, 21952), (760, 22009), (794, 22120),

Gene: GRU1_31 Start: 23089, Stop: 24708, Start Num: 194

Candidate Starts for GRU1_31:

(Start: 194 @23089 has 87 MA's), (199, 23104), (Start: 209 @23125 has 1 MA's), (243, 23203), (298, 23341), (359, 23470), (371, 23500), (395, 23527), (401, 23536), (405, 23551), (457, 23662), (469, 23692), (470, 23695), (499, 23752), (593, 23977), (604, 24016), (622, 24064), (669, 24190), (683, 24226), (713, 24283), (730, 24337), (751, 24412), (796, 24544), (820, 24619), (822, 24631), (825, 24643), (827, 24652), (838, 24688),

Gene: GTE5_32 Start: 24044, Stop: 25663, Start Num: 194

Candidate Starts for GTE5_32:

(Start: 194 @24044 has 87 MA's), (199, 24059), (Start: 209 @24080 has 1 MA's), (243, 24158), (359, 24425), (371, 24455), (395, 24482), (401, 24491), (405, 24506), (457, 24617), (469, 24647), (470, 24650), (499, 24707), (570, 24884), (593, 24932), (604, 24971), (607, 24980), (622, 25019), (669, 25145), (683, 25181), (713, 25238), (730, 25292), (751, 25367), (796, 25499), (820, 25574), (822, 25586), (825, 25598), (827, 25607), (838, 25643),

Gene: GTE6_32 Start: 28048, Stop: 29667, Start Num: 125

Candidate Starts for GTE6_32:

(Start: 125 @28048 has 11 MA's), (136, 28069), (173, 28132), (227, 28255), (232, 28267), (257, 28324), (292, 28402), (343, 28525), (430, 28639), (443, 28669), (462, 28711), (490, 28774), (515, 28822), (520, 28831), (541, 28882), (558, 28930), (622, 29095), (667, 29125), (706, 29224), (711, 29233), (712, 29236), (727, 29281), (740, 29338), (742, 29344), (743, 29350), (756, 29398), (759, 29407), (760, 29413), (761, 29416), (776, 29467), (795, 29512), (818, 29581), (830, 29629), (833, 29641),

Gene: GTE8_30 Start: 24084, Stop: 25697, Start Num: 194

Candidate Starts for GTE8_30:

(Start: 194 @24084 has 87 MA's), (Start: 209 @24120 has 1 MA's), (243, 24198), (351, 24438), (353, 24450), (359, 24465), (401, 24531), (405, 24546), (419, 24570), (457, 24657), (469, 24687), (470, 24690), (495, 24735), (499, 24747), (519, 24795), (521, 24798), (532, 24819), (592, 24969), (604, 25011), (669, 25185), (683, 25221), (729, 25329), (730, 25332), (751, 25407), (822, 25626), (838, 25683),

Gene: GUmbie_16 Start: 14805, Stop: 16514, Start Num: 87

Candidate Starts for GUmbie_16:

(Start: 87 @14805 has 207 MA's), (150, 14892), (Start: 175 @14937 has 47 MA's), (182, 14961), (230, 15066), (233, 15072), (242, 15090), (257, 15120), (300, 15225), (320, 15279), (323, 15285), (329, 15294), (338, 15306), (342, 15315), (352, 15339), (365, 15375), (368, 15381), (374, 15393), (396,

15414), (398, 15417), (402, 15426), (408, 15441), (410, 15447), (420, 15465), (427, 15480), (429, 15486), (435, 15504), (436, 15507), (445, 15522), (455, 15537), (456, 15543), (466, 15573), (474, 15591), (480, 15603), (484, 15609), (515, 15669), (522, 15681), (538, 15717), (541, 15729), (549, 15750), (571, 15804), (573, 15813), (584, 15837), (596, 15867), (667, 15972), (673, 15984), (687, 16020), (701, 16059), (716, 16098), (744, 16197), (751, 16218), (759, 16251), (768, 16281), (776, 16311), (779, 16320), (781, 16326), (792, 16341), (793, 16344), (798, 16365), (800, 16368), (817, 16410), (822, 16440), (833, 16482), (834, 16488),

Gene: Gadost_27 Start: 19831, Stop: 21609, Start Num: 108

Candidate Starts for Gadost_27:

(Start: 90 @19807 has 8 MA's), (Start: 108 @19831 has 545 MA's), (Start: 146 @19888 has 1 MA's), (Start: 175 @19942 has 47 MA's), (179, 19957), (184, 19975), (227, 20059), (232, 20071), (233, 20074), (264, 20149), (Start: 268 @20164 has 11 MA's), (289, 20203), (338, 20320), (373, 20407), (412, 20488), (435, 20536), (449, 20560), (495, 20647), (522, 20692), (551, 20764), (556, 20785), (563, 20803), (597, 20884), (628, 20977), (630, 20986), (637, 21010), (639, 21016), (647, 21040), (681, 21094), (689, 21115), (710, 21166), (719, 21190), (736, 21244), (760, 21340), (792, 21445), (795, 21460), (828, 21568), (833, 21586),

Gene: Gage_26 Start: 19820, Stop: 21415, Start Num: 147

Candidate Starts for Gage_26:

(Start: 94 @19736 has 79 MA's), (Start: 147 @19820 has 45 MA's), (Start: 183 @19898 has 1 MA's), (227, 19985), (233, 20000), (257, 20048), (271, 20087), (306, 20174), (321, 20207), (342, 20243), (354, 20273), (356, 20279), (400, 20348), (424, 20378), (428, 20390), (429, 20393), (456, 20450), (517, 20582), (520, 20588), (547, 20654), (549, 20660), (556, 20684), (573, 20732), (584, 20756), (589, 20765), (616, 20840), (671, 20891), (678, 20906), (736, 21068), (742, 21095), (751, 21125), (780, 21230), (815, 21308), (822, 21344), (824, 21353), (833, 21386), (838, 21401),

Gene: GageAP_29 Start: 21828, Stop: 23630, Start Num: 109

Candidate Starts for GageAP_29:

(Start: 109 @21828 has 207 MA's), (Start: 124 @21849 has 4 MA's), (Start: 146 @21891 has 1 MA's), (171, 21936), (264, 22152), (283, 22197), (289, 22206), (301, 22245), (321, 22296), (322, 22299), (413, 22494), (449, 22563), (549, 22764), (551, 22767), (556, 22788), (596, 22884), (597, 22887), (599, 22893), (623, 22962), (628, 22980), (630, 22989), (639, 23019), (681, 23115), (693, 23148), (698, 23163), (745, 23304), (760, 23361), (794, 23472), (840, 23625),

Gene: Gaia_16 Start: 15059, Stop: 16948, Start Num: 68

Candidate Starts for Gaia_16:

(Start: 68 @15059 has 2 MA's), (72, 15068), (Start: 82 @15089 has 44 MA's), (135, 15158), (145, 15176), (154, 15194), (179, 15248), (190, 15284), (Start: 196 @15299 has 7 MA's), (Start: 197 @15302 has 1 MA's), (221, 15362), (264, 15455), (283, 15500), (288, 15506), (291, 15512), (297, 15533), (300, 15545), (318, 15593), (341, 15632), (342, 15635), (343, 15638), (357, 15674), (363, 15692), (376, 15719), (382, 15728), (399, 15767), (405, 15785), (427, 15833), (444, 15875), (468, 15929), (471, 15935), (473, 15941), (489, 15971), (501, 16010), (503, 16019), (513, 16043), (517, 16049), (554, 16139), (557, 16154), (583, 16220), (597, 16250), (612, 16298), (622, 16322), (623, 16325), (630, 16352), (649, 16412), (663, 16433), (672, 16454), (691, 16502), (694, 16514), (721, 16559), (742, 16619), (771, 16715), (772, 16721), (780, 16745), (784, 16757), (791, 16766), (795, 16784), (815, 16835), (825, 16883), (827, 16892), (830, 16901), (832, 16910), (833, 16913), (843, 16940),

Gene: Gail_28 Start: 19405, Stop: 21204, Start Num: 108

Candidate Starts for Gail_28:

(Start: 105 @19402 has 8 MA's), (Start: 108 @19405 has 545 MA's), (Start: 183 @19540 has 1 MA's), (211, 19609), (233, 19642), (262, 19714), (264, 19717), (269, 19735), (292, 19777), (338, 19888),

(347, 19906), (356, 19933), (359, 19942), (373, 19975), (410, 20050), (412, 20056), (413, 20059), (441, 20119), (500, 20221), (515, 20248), (540, 20308), (551, 20332), (563, 20371), (597, 20452), (665, 20650), (698, 20737), (701, 20743), (735, 20836), (792, 21040), (794, 21046),

Gene: Galactic_16 Start: 14803, Stop: 16512, Start Num: 87

Candidate Starts for Galactic_16:

(Start: 87 @14803 has 207 MA's), (150, 14890), (Start: 175 @14935 has 47 MA's), (182, 14959), (230, 15064), (233, 15070), (242, 15088), (257, 15118), (300, 15223), (323, 15283), (338, 15304), (342, 15313), (352, 15337), (420, 15463), (427, 15478), (429, 15484), (445, 15520), (448, 15523), (455, 15535), (456, 15541), (474, 15589), (480, 15601), (484, 15607), (515, 15667), (522, 15679), (538, 15715), (541, 15727), (571, 15802), (573, 15811), (581, 15829), (584, 15835), (596, 15865), (667, 15970), (671, 15979), (673, 15982), (687, 16018), (716, 16096), (744, 16195), (751, 16216), (759, 16249), (768, 16279), (776, 16309), (779, 16318), (781, 16324), (792, 16339), (793, 16342), (800, 16366), (813, 16396), (817, 16408), (822, 16438), (833, 16480),

Gene: Gambino_21 Start: 16962, Stop: 18611, Start Num: 175

Candidate Starts for Gambino_21:

(156, 16926), (Start: 175 @16962 has 47 MA's), (178, 16971), (213, 17067), (253, 17145), (280, 17217), (294, 17244), (304, 17283), (345, 17364), (364, 17418), (456, 17604), (466, 17634), (514, 17733), (549, 17817), (556, 17841), (571, 17892), (604, 17985), (608, 17997), (626, 18042), (661, 18057), (712, 18189), (713, 18192), (742, 18291), (747, 18309), (760, 18360), (778, 18420), (780, 18426), (813, 18501),

Gene: Gancho_21 Start: 17127, Stop: 18869, Start Num: 78

Candidate Starts for Gancho_21:

(35, 16953), (Start: 78 @17127 has 41 MA's), (Start: 81 @17136 has 15 MA's), (137, 17217), (145, 17229), (158, 17253), (166, 17265), (Start: 175 @17286 has 47 MA's), (179, 17301), (208, 17379), (234, 17451), (272, 17541), (305, 17625), (309, 17634), (318, 17655), (352, 17721), (362, 17748), (381, 17781), (393, 17799), (399, 17817), (401, 17820), (405, 17835), (406, 17838), (434, 17904), (435, 17907), (466, 17973), (504, 17997), (542, 18084), (559, 18138), (582, 18183), (585, 18189), (597, 18216), (611, 18261), (641, 18354), (645, 18363), (693, 18441), (753, 18585), (757, 18603), (760, 18615), (767, 18630), (769, 18633), (776, 18654), (798, 18714), (812, 18747), (814, 18753), (815, 18756), (830, 18822), (843, 18861),

Gene: Gandalf20_28 Start: 21933, Stop: 23735, Start Num: 109

Candidate Starts for Gandalf20_28:

(Start: 109 @21933 has 207 MA's), (Start: 124 @21954 has 4 MA's), (Start: 146 @21996 has 1 MA's), (171, 22041), (264, 22257), (283, 22302), (289, 22311), (301, 22350), (321, 22401), (322, 22404), (413, 22599), (449, 22668), (549, 22869), (551, 22872), (556, 22893), (596, 22989), (597, 22992), (599, 22998), (623, 23067), (628, 23085), (630, 23094), (639, 23124), (681, 23220), (693, 23253), (698, 23268), (745, 23409), (760, 23466), (794, 23577),

Gene: Gandalph_16 Start: 14822, Stop: 16531, Start Num: 87

Candidate Starts for Gandalph_16:

(Start: 87 @14822 has 207 MA's), (150, 14909), (Start: 175 @14954 has 47 MA's), (182, 14978), (230, 15083), (233, 15089), (242, 15107), (257, 15137), (300, 15242), (320, 15296), (323, 15302), (329, 15311), (338, 15323), (342, 15332), (352, 15356), (365, 15392), (368, 15398), (374, 15410), (396, 15431), (398, 15434), (402, 15443), (408, 15458), (410, 15464), (420, 15482), (427, 15497), (429, 15503), (435, 15521), (436, 15524), (445, 15539), (448, 15542), (455, 15554), (456, 15560), (474, 15608), (480, 15620), (484, 15626), (515, 15686), (522, 15698), (538, 15734), (541, 15746), (549, 15767), (571, 15821), (573, 15830), (581, 15848), (584, 15854), (596, 15884), (667, 15989), (671, 15998), (673, 16001), (687, 16037), (701, 16076), (716, 16115), (744, 16214), (751, 16235), (759, 16268), (768, 16298), (776, 16328), (779, 16337), (781, 16343), (792, 16358), (793, 16361), (800,

16385), (813, 16415), (817, 16427), (822, 16457), (833, 16499),

Gene: Ganymede_24 Start: 17168, Stop: 18934, Start Num: 79

Candidate Starts for Ganymede_24:

(Start: 79 @17168 has 139 MA's), (101, 17198), (184, 17357), (Start: 196 @17390 has 7 MA's), (210, 17420), (221, 17453), (227, 17465), (266, 17555), (288, 17597), (310, 17669), (315, 17678), (338, 17717), (356, 17762), (363, 17783), (365, 17786), (393, 17840), (399, 17858), (412, 17900), (418, 17906), (430, 17933), (515, 18071), (525, 18089), (541, 18131), (548, 18149), (558, 18179), (573, 18206), (612, 18311), (681, 18470), (694, 18506), (718, 18545), (745, 18620), (759, 18671), (824, 18866), (834, 18905), (835, 18908), (843, 18926),

Gene: Garak_32 Start: 19977, Stop: 21749, Start Num: 108

Candidate Starts for Garak_32:

(65, 19911), (Start: 90 @19953 has 8 MA's), (Start: 108 @19977 has 545 MA's), (233, 20214), (262, 20286), (264, 20289), (Start: 268 @20304 has 11 MA's), (289, 20343), (292, 20349), (338, 20460), (341, 20466), (356, 20505), (373, 20547), (399, 20586), (412, 20628), (413, 20631), (495, 20787), (557, 20928), (563, 20943), (639, 21156), (689, 21255), (698, 21282), (720, 21333), (724, 21342), (735, 21381), (736, 21384), (792, 21585), (794, 21591), (833, 21726),

Gene: Gator_22 Start: 19361, Stop: 21040, Start Num: 94

Candidate Starts for Gator_22:

(Start: 94 @19361 has 79 MA's), (Start: 147 @19445 has 45 MA's), (Start: 183 @19523 has 1 MA's), (227, 19610), (233, 19625), (257, 19673), (271, 19712), (306, 19799), (321, 19832), (342, 19868), (354, 19898), (356, 19904), (400, 19973), (424, 20003), (428, 20015), (429, 20018), (456, 20075), (517, 20207), (520, 20213), (547, 20279), (549, 20285), (556, 20309), (573, 20357), (584, 20381), (589, 20390), (616, 20465), (671, 20516), (678, 20531), (736, 20693), (742, 20720), (751, 20750), (780, 20855), (815, 20933), (822, 20969), (824, 20978), (833, 21011), (838, 21026),

Gene: GaugeLDP_30 Start: 21466, Stop: 23238, Start Num: 108

Candidate Starts for GaugeLDP_30:

(Start: 90 @21442 has 8 MA's), (Start: 108 @21466 has 545 MA's), (Start: 183 @21601 has 1 MA's), (232, 21700), (233, 21703), (264, 21778), (269, 21796), (289, 21832), (292, 21838), (306, 21889), (338, 21949), (356, 21994), (373, 22036), (406, 22096), (412, 22117), (413, 22120), (495, 22276), (549, 22390), (551, 22393), (597, 22513), (637, 22639), (639, 22645), (685, 22735), (689, 22744), (698, 22771), (710, 22795), (735, 22870), (736, 22873), (738, 22885), (760, 22969), (785, 23050), (792, 23074), (794, 23080), (813, 23134), (833, 23215),

Gene: Gavriela_19 Start: 16273, Stop: 18009, Start Num: 82

Candidate Starts for Gavriela_19:

(Start: 71 @16249 has 2 MA's), (Start: 82 @16273 has 44 MA's), (128, 16333), (136, 16354), (138, 16357), (Start: 195 @16477 has 39 MA's), (213, 16516), (232, 16549), (244, 16573), (296, 16693), (306, 16732), (309, 16738), (351, 16822), (352, 16828), (356, 16840), (365, 16864), (379, 16891), (400, 16909), (417, 16948), (420, 16954), (430, 16978), (456, 17032), (461, 17044), (463, 17053), (490, 17113), (526, 17191), (541, 17230), (554, 17263), (573, 17329), (584, 17353), (594, 17377), (605, 17407), (682, 17521), (689, 17533), (692, 17542), (695, 17551), (734, 17659), (755, 17743), (787, 17842), (824, 17950), (838, 17998),

Gene: Geeche_47 Start: 29431, Stop: 31122, Start Num: 110

Candidate Starts for Geeche_47:

(Start: 110 @29431 has 14 MA's), (144, 29491), (159, 29524), (176, 29557), (230, 29683), (244, 29716), (249, 29725), (301, 29854), (319, 29902), (456, 30115), (458, 30121), (466, 30145), (529, 30274), (538, 30295), (549, 30328), (616, 30526), (713, 30679), (742, 30778), (745, 30790), (748, 30799), (771, 30883), (823, 31030), (832, 31066), (835, 31078),

Gene: GemG_17 Start: 14758, Stop: 16467, Start Num: 195

Candidate Starts for GemG_17:

(Start: 195 @14758 has 39 MA's), (244, 14875), (301, 15025), (319, 15064), (328, 15079), (359, 15148), (363, 15160), (405, 15238), (406, 15241), (462, 15373), (487, 15427), (516, 15508), (541, 15568), (543, 15574), (546, 15580), (576, 15661), (592, 15697), (604, 15733), (610, 15751), (625, 15790), (647, 15862), (655, 15886), (742, 16120), (746, 16135), (757, 16177), (785, 16270), (787, 16273), (797, 16321), (810, 16351),

Gene: Gemini_27 Start: 20253, Stop: 21932, Start Num: 94

Candidate Starts for Gemini_27:

(Start: 94 @20253 has 79 MA's), (Start: 147 @20337 has 45 MA's), (Start: 183 @20415 has 1 MA's), (227, 20502), (233, 20517), (257, 20565), (271, 20604), (306, 20691), (321, 20724), (342, 20760), (354, 20790), (356, 20796), (400, 20865), (424, 20895), (428, 20907), (429, 20910), (456, 20967), (517, 21099), (520, 21105), (547, 21171), (549, 21177), (556, 21201), (573, 21249), (584, 21273), (589, 21282), (616, 21357), (671, 21408), (678, 21423), (736, 21585), (742, 21612), (751, 21642), (780, 21747), (815, 21825), (822, 21861), (824, 21870), (833, 21903), (838, 21918),

Gene: Gemma_29 Start: 20456, Stop: 22252, Start Num: 108

Candidate Starts for Gemma_29:

(Start: 108 @20456 has 545 MA's), (Start: 146 @20513 has 1 MA's), (154, 20528), (179, 20582), (Start: 183 @20597 has 1 MA's), (227, 20684), (232, 20696), (233, 20699), (264, 20774), (Start: 268 @20789 has 11 MA's), (373, 21032), (449, 21185), (495, 21272), (540, 21365), (549, 21386), (556, 21410), (559, 21422), (563, 21428), (597, 21509), (623, 21584), (628, 21602), (630, 21611), (637, 21635), (639, 21641), (645, 21656), (653, 21680), (680, 21734), (681, 21737), (689, 21758), (792, 22088), (794, 22094), (833, 22229),

Gene: Gengar_21 Start: 17520, Stop: 19292, Start Num: 81

Candidate Starts for Gengar_21:

(Start: 81 @17520 has 15 MA's), (86, 17526), (103, 17550), (129, 17583), (154, 17631), (179, 17685), (Start: 196 @17736 has 7 MA's), (221, 17799), (Start: 268 @17907 has 11 MA's), (310, 18015), (363, 18129), (365, 18132), (384, 18171), (393, 18186), (395, 18198), (399, 18204), (412, 18246), (418, 18252), (434, 18291), (447, 18315), (515, 18417), (542, 18480), (557, 18525), (612, 18660), (645, 18759), (683, 18837), (693, 18861), (701, 18882), (745, 18978), (747, 18984), (798, 19137), (829, 19242), (830, 19245), (834, 19263),

Gene: George_23 Start: 19658, Stop: 21454, Start Num: 108

Candidate Starts for George_23:

(Start: 108 @19658 has 545 MA's), (Start: 175 @19763 has 47 MA's), (184, 19796), (233, 19895), (264, 19970), (Start: 268 @19985 has 11 MA's), (288, 20021), (310, 20093), (318, 20108), (341, 20147), (352, 20174), (359, 20195), (381, 20234), (430, 20342), (441, 20372), (446, 20378), (522, 20513), (545, 20570), (546, 20573), (549, 20582), (563, 20624), (569, 20642), (596, 20702), (597, 20705), (628, 20798), (630, 20807), (637, 20831), (680, 20939), (693, 20975), (760, 21185), (791, 21287), (794, 21296), (827, 21410), (833, 21431), (835, 21440),

Gene: Georgie2_29 Start: 20109, Stop: 21881, Start Num: 108

Candidate Starts for Georgie2_29:

(65, 20043), (Start: 90 @20085 has 8 MA's), (Start: 108 @20109 has 545 MA's), (173, 20208), (202, 20292), (232, 20343), (233, 20346), (262, 20418), (264, 20421), (289, 20475), (301, 20514), (318, 20559), (338, 20592), (373, 20679), (412, 20760), (413, 20763), (551, 21036), (597, 21156), (637, 21282), (669, 21336), (693, 21399), (698, 21414), (701, 21420), (724, 21474), (735, 21513), (738, 21528), (760, 21612), (794, 21723), (833, 21858),

Gene: Geraldini_23 Start: 17164, Stop: 18930, Start Num: 79

Candidate Starts for Geraldini_23:

(Start: 79 @17164 has 139 MA's), (101, 17194), (184, 17353), (Start: 196 @17386 has 7 MA's), (210, 17416), (221, 17449), (227, 17461), (266, 17551), (288, 17593), (310, 17665), (315, 17674), (338, 17713), (356, 17758), (363, 17779), (365, 17782), (393, 17836), (399, 17854), (412, 17896), (418, 17902), (430, 17929), (515, 18067), (525, 18085), (541, 18127), (548, 18145), (558, 18175), (573, 18202), (612, 18307), (681, 18466), (694, 18502), (718, 18541), (745, 18616), (759, 18667), (824, 18862), (834, 18901), (835, 18904), (843, 18922),

Gene: Geralt_16 Start: 14805, Stop: 16514, Start Num: 87

Candidate Starts for Geralt_16:

(Start: 87 @14805 has 207 MA's), (150, 14892), (Start: 175 @14937 has 47 MA's), (182, 14961), (230, 15066), (233, 15072), (242, 15090), (257, 15120), (300, 15225), (323, 15285), (338, 15306), (342, 15315), (352, 15339), (420, 15465), (427, 15480), (429, 15486), (445, 15522), (448, 15525), (455, 15537), (456, 15543), (474, 15591), (480, 15603), (484, 15609), (515, 15669), (522, 15681), (538, 15717), (541, 15729), (571, 15804), (573, 15813), (581, 15831), (584, 15837), (596, 15867), (667, 15972), (671, 15981), (673, 15984), (687, 16020), (716, 16098), (744, 16197), (751, 16218), (759, 16251), (768, 16281), (776, 16311), (779, 16320), (781, 16326), (792, 16341), (793, 16344), (800, 16368), (813, 16398), (817, 16410), (822, 16440), (833, 16482),

Gene: Gex_18 Start: 14985, Stop: 16694, Start Num: 91

Candidate Starts for Gex_18:

(Start: 91 @14985 has 42 MA's), (115, 15012), (Start: 175 @15117 has 47 MA's), (178, 15129), (190, 15165), (213, 15216), (230, 15246), (233, 15252), (247, 15279), (251, 15285), (300, 15405), (320, 15459), (323, 15465), (337, 15483), (342, 15495), (343, 15498), (352, 15519), (368, 15561), (396, 15594), (420, 15645), (427, 15660), (445, 15702), (455, 15717), (456, 15723), (474, 15771), (486, 15795), (497, 15825), (515, 15849), (541, 15909), (546, 15921), (564, 15975), (571, 15984), (595, 16044), (596, 16047), (667, 16152), (671, 16161), (687, 16200), (735, 16338), (775, 16488), (776, 16491), (779, 16500), (792, 16521), (800, 16548), (815, 16584), (838, 16677),

Gene: Ghobes_16 Start: 14348, Stop: 15952, Start Num: 175

Candidate Starts for Ghobes_16:

(38, 14042), (160, 14321), (Start: 175 @14348 has 47 MA's), (278, 14603), (280, 14606), (282, 14609), (294, 14633), (296, 14639), (308, 14681), (314, 14699), (373, 14825), (415, 14903), (426, 14927), (427, 14930), (428, 14933), (456, 14993), (498, 15104), (500, 15107), (533, 15164), (547, 15203), (549, 15209), (556, 15233), (608, 15389), (618, 15419), (747, 15650), (755, 15683), (772, 15743), (780, 15767), (835, 15935), (838, 15941),

Gene: Ghoulboy_24 Start: 19904, Stop: 21703, Start Num: 108

Candidate Starts for Ghoulboy_24:

(Start: 108 @19904 has 545 MA's), (184, 20042), (233, 20141), (264, 20216), (288, 20267), (310, 20339), (318, 20354), (338, 20387), (341, 20393), (389, 20486), (430, 20588), (441, 20618), (446, 20624), (495, 20714), (513, 20744), (549, 20828), (551, 20831), (563, 20870), (569, 20888), (596, 20948), (597, 20951), (628, 21044), (680, 21185), (695, 21227), (794, 21545), (833, 21680), (835, 21689),

Gene: Gideon_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Gideon_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987),

(733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: GigiOuiOui_16 Start: 14934, Stop: 16643, Start Num: 87

Candidate Starts for GigiOuiOui_16:

(Start: 87 @14934 has 207 MA's), (150, 15021), (161, 15042), (Start: 175 @15066 has 47 MA's), (182, 15090), (230, 15195), (233, 15201), (242, 15219), (257, 15249), (300, 15354), (320, 15408), (323, 15414), (329, 15423), (342, 15444), (352, 15468), (365, 15504), (368, 15510), (396, 15543), (398, 15546), (402, 15555), (408, 15570), (410, 15576), (420, 15594), (427, 15609), (429, 15615), (435, 15633), (436, 15636), (445, 15651), (455, 15666), (456, 15672), (474, 15720), (480, 15732), (484, 15738), (515, 15798), (522, 15810), (538, 15846), (541, 15858), (571, 15933), (573, 15942), (581, 15960), (584, 15966), (596, 15996), (667, 16101), (673, 16113), (687, 16149), (716, 16227), (751, 16347), (759, 16380), (768, 16410), (771, 16422), (776, 16440), (778, 16446), (779, 16449), (781, 16455), (792, 16470), (793, 16473), (798, 16494), (800, 16497), (817, 16539), (822, 16569), (833, 16611), (834, 16617),

Gene: Gilberta_28 Start: 20746, Stop: 22545, Start Num: 108

Candidate Starts for Gilberta_28:

(65, 20680), (Start: 90 @20722 has 8 MA's), (Start: 108 @20746 has 545 MA's), (141, 20788), (184, 20884), (189, 20899), (232, 20980), (233, 20983), (262, 21055), (264, 21058), (Start: 268 @21073 has 11 MA's), (289, 21112), (292, 21118), (338, 21229), (341, 21235), (373, 21316), (413, 21400), (472, 21526), (485, 21544), (507, 21571), (563, 21712), (592, 21778), (596, 21790), (597, 21793), (662, 21982), (674, 22009), (678, 22018), (683, 22039), (685, 22042), (693, 22063), (698, 22078), (710, 22102), (735, 22177), (738, 22192), (760, 22276), (792, 22381), (794, 22387), (813, 22441), (840, 22540),

Gene: Giles_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for Giles_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197 @17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406, 18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: GingkoMaracino_29 Start: 20265, Stop: 22061, Start Num: 108

Candidate Starts for GingkoMaracino_29:

(Start: 108 @20265 has 545 MA's), (Start: 146 @20322 has 1 MA's), (154, 20337), (173, 20370), (179, 20391), (Start: 183 @20406 has 1 MA's), (227, 20493), (232, 20505), (233, 20508), (264, 20583), (Start: 268 @20598 has 11 MA's), (288, 20634), (373, 20841), (430, 20955), (449, 20994), (495, 21081), (549, 21195), (556, 21219), (563, 21237), (597, 21318), (623, 21393), (628, 21411), (637, 21444), (639, 21450), (653, 21489), (680, 21543), (681, 21546), (689, 21567), (713, 21624), (760, 21792), (792, 21897), (794, 21903), (833, 22038),

Gene: Girafales_17 Start: 14636, Stop: 16345, Start Num: 87

Candidate Starts for Girafales_17:

(Start: 87 @14636 has 207 MA's), (150, 14723), (Start: 175 @14768 has 47 MA's), (182, 14792), (230, 14897), (233, 14903), (242, 14921), (257, 14951), (300, 15056), (323, 15116), (338, 15137), (342, 15146), (352, 15170), (420, 15296), (427, 15311), (429, 15317), (435, 15335), (436, 15338), (445, 15353), (448, 15356), (455, 15368), (456, 15374), (459, 15383), (474, 15422), (480, 15434), (484, 15440), (515, 15500), (538, 15548), (541, 15560), (571, 15635), (573, 15644), (581, 15662), (584,

15668), (596, 15698), (667, 15803), (673, 15815), (687, 15851), (716, 15929), (744, 16028), (751, 16049), (759, 16082), (768, 16112), (776, 16142), (779, 16151), (781, 16157), (792, 16172), (793, 16175), (798, 16196), (800, 16199), (817, 16241), (822, 16271), (833, 16313),

Gene: Giroux_27 Start: 19904, Stop: 21700, Start Num: 108

Candidate Starts for Giroux_27:

(Start: 108 @19904 has 545 MA's), (Start: 146 @19961 has 1 MA's), (179, 20030), (227, 20132), (232, 20144), (233, 20147), (264, 20222), (Start: 268 @20237 has 11 MA's), (289, 20276), (347, 20411), (373, 20480), (430, 20594), (495, 20720), (549, 20834), (556, 20858), (563, 20876), (597, 20957), (623, 21032), (628, 21050), (630, 21059), (637, 21083), (639, 21089), (645, 21104), (662, 21137), (680, 21182), (681, 21185), (689, 21206), (693, 21218), (695, 21224), (719, 21281), (760, 21431), (768, 21455), (792, 21536), (794, 21542), (833, 21677),

Gene: Girr_16 Start: 14774, Stop: 16483, Start Num: 87

Candidate Starts for Girr_16:

(Start: 87 @14774 has 207 MA's), (150, 14861), (Start: 175 @14906 has 47 MA's), (182, 14930), (230, 15035), (233, 15041), (242, 15059), (257, 15089), (300, 15194), (320, 15248), (323, 15254), (329, 15263), (338, 15275), (342, 15284), (352, 15308), (365, 15344), (368, 15350), (374, 15362), (396, 15383), (398, 15386), (402, 15395), (408, 15410), (410, 15416), (420, 15434), (427, 15449), (429, 15455), (435, 15473), (436, 15476), (445, 15491), (455, 15506), (456, 15512), (466, 15542), (474, 15560), (480, 15572), (484, 15578), (515, 15638), (522, 15650), (538, 15686), (541, 15698), (549, 15719), (571, 15773), (573, 15782), (584, 15806), (596, 15836), (667, 15941), (673, 15953), (687, 15989), (701, 16028), (716, 16067), (744, 16166), (751, 16187), (759, 16220), (768, 16250), (776, 16280), (779, 16289), (781, 16295), (792, 16310), (793, 16313), (798, 16334), (800, 16337), (817, 16379), (822, 16409), (833, 16451), (834, 16457),

Gene: Gizermo_17 Start: 14758, Stop: 16467, Start Num: 195

Candidate Starts for Gizermo_17:

(Start: 195 @14758 has 39 MA's), (244, 14875), (301, 15025), (319, 15064), (328, 15079), (359, 15148), (363, 15160), (405, 15238), (406, 15241), (462, 15373), (487, 15427), (516, 15508), (541, 15568), (543, 15574), (546, 15580), (576, 15661), (592, 15697), (604, 15733), (610, 15751), (625, 15790), (647, 15862), (655, 15886), (742, 16120), (746, 16135), (757, 16177), (785, 16270), (787, 16273), (797, 16321), (810, 16351),

Gene: Gladiator_31 Start: 19963, Stop: 21735, Start Num: 108

Candidate Starts for Gladiator_31:

(65, 19897), (Start: 90 @19939 has 8 MA's), (Start: 108 @19963 has 545 MA's), (233, 20200), (262, 20272), (264, 20275), (Start: 268 @20290 has 11 MA's), (289, 20329), (292, 20335), (338, 20446), (341, 20452), (356, 20491), (373, 20533), (399, 20572), (412, 20614), (413, 20617), (495, 20773), (557, 20914), (563, 20929), (639, 21142), (689, 21241), (698, 21268), (720, 21319), (724, 21328), (735, 21367), (736, 21370), (760, 21466), (792, 21571), (794, 21577), (833, 21712),

Gene: Glaske_19 Start: 16273, Stop: 18009, Start Num: 82

Candidate Starts for Glaske_19:

(Start: 71 @16249 has 2 MA's), (Start: 82 @16273 has 44 MA's), (128, 16333), (136, 16354), (138, 16357), (Start: 195 @16477 has 39 MA's), (213, 16516), (232, 16549), (244, 16573), (296, 16693), (306, 16732), (309, 16738), (351, 16822), (352, 16828), (356, 16840), (365, 16864), (379, 16891), (400, 16909), (417, 16948), (420, 16954), (430, 16978), (456, 17032), (461, 17044), (463, 17053), (490, 17113), (526, 17191), (541, 17230), (554, 17263), (573, 17329), (584, 17353), (594, 17377), (605, 17407), (682, 17521), (689, 17533), (692, 17542), (695, 17551), (734, 17659), (755, 17743), (787, 17842), (824, 17950), (838, 17998),

Gene: Glexan_22 Start: 19446, Stop: 21041, Start Num: 147

Candidate Starts for Glexan_22:

(Start: 94 @19362 has 79 MA's), (Start: 147 @19446 has 45 MA's), (Start: 183 @19524 has 1 MA's), (227, 19611), (233, 19626), (257, 19674), (271, 19713), (306, 19800), (321, 19833), (342, 19869), (354, 19899), (356, 19905), (400, 19974), (424, 20004), (428, 20016), (429, 20019), (456, 20076), (517, 20208), (520, 20214), (547, 20280), (549, 20286), (556, 20310), (573, 20358), (584, 20382), (589, 20391), (616, 20466), (671, 20517), (678, 20532), (736, 20694), (742, 20721), (751, 20751), (780, 20856), (815, 20934), (822, 20970), (824, 20979), (833, 21012), (838, 21027),

Gene: GodonK_89 Start: 52336, Stop: 53952, Start Num: 125

Candidate Starts for GodonK_89:

(Start: 125 @52336 has 11 MA's), (131, 52342), (Start: 175 @52426 has 47 MA's), (199, 52495), (214, 52525), (215, 52528), (233, 52558), (251, 52597), (318, 52768), (334, 52792), (342, 52810), (351, 52828), (359, 52858), (428, 52924), (429, 52927), (443, 52960), (468, 53017), (474, 53032), (475, 53035), (477, 53038), (514, 53110), (522, 53125), (529, 53140), (538, 53161), (542, 53176), (599, 53320), (605, 53341), (610, 53356), (676, 53434), (685, 53461), (688, 53467), (712, 53527), (727, 53572), (742, 53629), (744, 53638), (751, 53659), (795, 53797), (798, 53806),

Gene: Goib_23 Start: 16480, Stop: 17808, Start Num: 268

Candidate Starts for Goib_23:

(Start: 268 @16480 has 11 MA's), (275, 16495), (346, 16639), (361, 16684), (392, 16729), (401, 16753), (409, 16783), (410, 16786), (423, 16804), (426, 16813), (434, 16837), (437, 16846), (462, 16897), (466, 16909), (549, 17002), (553, 17011), (560, 17020), (578, 17065), (590, 17083), (623, 17176), (635, 17221), (665, 17290), (679, 17311), (713, 17392), (725, 17425), (751, 17512), (760, 17548), (764, 17563), (767, 17572), (787, 17614), (796, 17653), (816, 17707), (819, 17725), (833, 17782), (835, 17791),

Gene: Goku_24 Start: 19460, Stop: 21139, Start Num: 94

Candidate Starts for Goku_24:

(Start: 94 @19460 has 79 MA's), (Start: 147 @19544 has 45 MA's), (Start: 183 @19622 has 1 MA's), (227, 19709), (233, 19724), (257, 19772), (271, 19811), (306, 19898), (321, 19931), (342, 19967), (354, 19997), (356, 20003), (400, 20072), (424, 20102), (428, 20114), (429, 20117), (456, 20174), (517, 20306), (520, 20312), (547, 20378), (549, 20384), (556, 20408), (573, 20456), (584, 20480), (589, 20489), (616, 20564), (671, 20615), (678, 20630), (736, 20792), (742, 20819), (751, 20849), (780, 20954), (815, 21032), (822, 21068), (824, 21077), (833, 21110), (838, 21125),

Gene: GoldenAsh_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for GoldenAsh_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: GoldenSpark_26 Start: 19736, Stop: 21415, Start Num: 94

Candidate Starts for GoldenSpark_26:

(Start: 94 @19736 has 79 MA's), (Start: 147 @19820 has 45 MA's), (Start: 183 @19898 has 1 MA's), (227, 19985), (233, 20000), (257, 20048), (271, 20087), (306, 20174), (321, 20207), (342, 20243), (354, 20273), (356, 20279), (400, 20348), (424, 20378), (428, 20390), (429, 20393), (456, 20450), (517, 20582), (520, 20588), (547, 20654), (549, 20660), (556, 20684), (573, 20732), (584, 20756), (589, 20765), (616, 20840), (671, 20891), (678, 20906), (736, 21068), (742, 21095), (751, 21125), (780, 21230), (815, 21308), (822, 21344), (824, 21353), (833, 21386), (838, 21401),

Gene: Goldilocks_25 Start: 19156, Stop: 20835, Start Num: 94

Candidate Starts for Goldilocks_25:

(Start: 94 @19156 has 79 MA's), (Start: 147 @19240 has 45 MA's), (Start: 183 @19318 has 1 MA's), (227, 19405), (233, 19420), (257, 19468), (271, 19507), (306, 19594), (321, 19627), (342, 19663), (354, 19693), (356, 19699), (400, 19768), (424, 19798), (428, 19810), (429, 19813), (456, 19870), (517, 20002), (520, 20008), (547, 20074), (549, 20080), (556, 20104), (573, 20152), (584, 20176), (589, 20185), (616, 20260), (671, 20311), (678, 20326), (736, 20488), (742, 20515), (751, 20545), (780, 20650), (815, 20728), (822, 20764), (824, 20773), (833, 20806), (838, 20821),

Gene: Gollum_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for Gollum_23:

(Start: 120 @16334 has 4 MA's), (Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (208, 16526), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (389, 16904), (392, 16910), (395, 16925), (397, 16928), (413, 16976), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: Gomashi_18 Start: 16650, Stop: 18404, Start Num: 97

Candidate Starts for Gomashi_18:

(Start: 75 @16641 has 25 MA's), (Start: 97 @16650 has 44 MA's), (101, 16656), (Start: 105 @16662 has 8 MA's), (179, 16794), (Start: 196 @16845 has 7 MA's), (210, 16875), (219, 16899), (264, 17001), (279, 17040), (283, 17046), (292, 17061), (304, 17106), (359, 17226), (385, 17283), (399, 17322), (418, 17370), (430, 17397), (434, 17409), (479, 17490), (515, 17535), (597, 17733), (606, 17763), (612, 17781), (623, 17808), (648, 17892), (665, 17910), (677, 17925), (693, 17973), (698, 17988), (733, 18051), (751, 18108), (760, 18147), (776, 18189), (795, 18240), (824, 18336), (843, 18396),

Gene: Gompeii16_27 Start: 21590, Stop: 23392, Start Num: 109

Candidate Starts for Gompeii16_27:

(Start: 109 @21590 has 207 MA's), (Start: 124 @21611 has 4 MA's), (Start: 146 @21653 has 1 MA's), (171, 21698), (264, 21914), (283, 21959), (289, 21968), (321, 22058), (322, 22061), (338, 22085), (413, 22256), (449, 22325), (549, 22526), (551, 22529), (556, 22550), (596, 22646), (597, 22649), (599, 22655), (623, 22724), (628, 22742), (630, 22751), (639, 22781), (681, 22877), (693, 22910), (698, 22925), (745, 23066), (760, 23123), (794, 23234),

Gene: Gonephishing_32 Start: 25229, Stop: 26962, Start Num: 89

Candidate Starts for Gonephishing_32:

(Start: 89 @25229 has 30 MA's), (Start: 147 @25319 has 45 MA's), (150, 25322), (193, 25424), (227, 25490), (244, 25526), (259, 25556), (264, 25571), (298, 25655), (309, 25691), (321, 25718), (343, 25757), (356, 25790), (359, 25799), (398, 25856), (413, 25898), (453, 25973), (456, 25985), (480, 26045), (484, 26051), (503, 26099), (517, 26129), (526, 26147), (531, 26156), (542, 26189), (547, 26201), (549, 26207), (561, 26246), (584, 26303), (678, 26453), (682, 26471), (700, 26513), (711, 26537), (712, 26540), (716, 26555), (727, 26585), (736, 26615), (751, 26672), (803, 26822), (838, 26948),

Gene: GooberAzure_26 Start: 19736, Stop: 21415, Start Num: 94

Candidate Starts for GooberAzure_26:

(Start: 94 @19736 has 79 MA's), (Start: 147 @19820 has 45 MA's), (Start: 183 @19898 has 1 MA's), (227, 19985), (233, 20000), (257, 20048), (271, 20087), (306, 20174), (321, 20207), (342, 20243), (354, 20273), (356, 20279), (400, 20348), (424, 20378), (428, 20390), (429, 20393), (456, 20450), (517, 20582), (520, 20588), (547, 20654), (549, 20660), (556, 20684), (573, 20732), (584, 20756), (589, 20765), (616, 20840), (671, 20891), (678, 20906), (736, 21068), (742, 21095), (751, 21125), (780, 21230), (815, 21308), (822, 21344), (824, 21353), (833, 21386), (838, 21401),

Gene: Goose_27 Start: 19786, Stop: 21564, Start Num: 108

Candidate Starts for Goose_27:

(Start: 90 @19762 has 8 MA's), (Start: 108 @19786 has 545 MA's), (Start: 146 @19843 has 1 MA's), (154, 19858), (179, 19912), (227, 20014), (232, 20026), (233, 20029), (264, 20104), (Start: 268 @20119 has 11 MA's), (289, 20158), (338, 20275), (347, 20293), (373, 20362), (410, 20437), (430, 20476), (449, 20515), (495, 20602), (513, 20632), (522, 20647), (540, 20695), (556, 20740), (559, 20752), (563, 20758), (596, 20836), (597, 20839), (628, 20932), (630, 20941), (637, 20965), (639, 20971), (645, 20986), (669, 21019), (689, 21070), (695, 21088), (713, 21127), (714, 21133), (745, 21238), (760, 21295), (768, 21319), (770, 21325), (792, 21400), (794, 21406), (795, 21415), (833, 21541),

Gene: Gorge_16 Start: 14790, Stop: 16499, Start Num: 87

Candidate Starts for Gorge_16:

(Start: 87 @14790 has 207 MA's), (150, 14877), (Start: 175 @14922 has 47 MA's), (182, 14946), (203, 15003), (230, 15051), (233, 15057), (242, 15075), (257, 15105), (300, 15210), (320, 15264), (323, 15270), (329, 15279), (342, 15300), (352, 15324), (365, 15360), (368, 15366), (396, 15399), (398, 15402), (402, 15411), (408, 15426), (410, 15432), (420, 15450), (427, 15465), (429, 15471), (435, 15489), (436, 15492), (445, 15507), (455, 15522), (456, 15528), (474, 15576), (480, 15588), (484, 15594), (486, 15600), (515, 15654), (522, 15666), (538, 15702), (541, 15714), (571, 15789), (573, 15798), (581, 15816), (584, 15822), (596, 15852), (667, 15957), (673, 15969), (687, 16005), (716, 16083), (751, 16203), (759, 16236), (768, 16266), (771, 16278), (776, 16296), (778, 16302), (779, 16305), (781, 16311), (792, 16326), (793, 16329), (798, 16350), (800, 16353), (817, 16395), (822, 16425), (833, 16467), (834, 16473),

Gene: Graduation_29 Start: 21859, Stop: 23661, Start Num: 109

Candidate Starts for Graduation_29:

(Start: 109 @21859 has 207 MA's), (Start: 124 @21880 has 4 MA's), (Start: 146 @21922 has 1 MA's), (171, 21967), (264, 22183), (283, 22228), (289, 22237), (301, 22276), (321, 22327), (322, 22330), (413, 22525), (449, 22594), (549, 22795), (551, 22798), (556, 22819), (596, 22915), (597, 22918), (599, 22924), (623, 22993), (628, 23011), (630, 23020), (639, 23050), (681, 23146), (693, 23179), (698, 23194), (745, 23335), (760, 23392),

Gene: GrandSlam_22 Start: 17878, Stop: 19584, Start Num: 126

Candidate Starts for GrandSlam_22:

(Start: 69 @17803 has 2 MA's), (Start: 126 @17878 has 16 MA's), (Start: 175 @17971 has 47 MA's), (179, 17986), (181, 17992), (Start: 209 @18067 has 1 MA's), (235, 18139), (286, 18250), (301, 18295), (306, 18313), (310, 18325), (395, 18496), (401, 18505), (403, 18511), (442, 18607), (466, 18658), (546, 18781), (558, 18820), (610, 18952), (647, 19066), (693, 19153), (744, 19267), (747, 19276), (780, 19381), (814, 19468), (843, 19576),

Gene: Gravaillia_22 Start: 17133, Stop: 18875, Start Num: 78

Candidate Starts for Gravaillia_22:

(35, 16959), (Start: 78 @17133 has 41 MA's), (Start: 81 @17142 has 15 MA's), (145, 17235), (158, 17259), (166, 17271), (Start: 175 @17292 has 47 MA's), (179, 17307), (208, 17385), (234, 17457), (272, 17547), (297, 17601), (305, 17631), (309, 17640), (318, 17661), (352, 17727), (362, 17754), (381, 17787), (393, 17805), (399, 17823), (401, 17826), (405, 17841), (406, 17844), (434, 17910), (435, 17913), (466, 17979), (504, 18003), (542, 18090), (559, 18144), (582, 18189), (585, 18195), (597, 18222), (611, 18267), (641, 18360), (645, 18369), (693, 18447), (753, 18591), (757, 18609), (760, 18621), (767, 18636), (769, 18639), (776, 18660), (798, 18720), (812, 18753), (814, 18759), (815, 18762), (830, 18828), (843, 18867),

Gene: GreaseLightnin_19 Start: 16367, Stop: 18127, Start Num: 71

Candidate Starts for GreaseLightnin_19:

(Start: 71 @16367 has 2 MA's), (Start: 82 @16391 has 44 MA's), (128, 16451), (136, 16472), (138, 16475), (Start: 195 @16595 has 39 MA's), (213, 16634), (232, 16667), (244, 16691), (296, 16811), (306, 16850), (309, 16856), (351, 16940), (352, 16946), (356, 16958), (365, 16982), (379, 17009), (400, 17027), (417, 17066), (420, 17072), (430, 17096), (456, 17150), (461, 17162), (463, 17171), (490, 17231), (526, 17309), (541, 17348), (554, 17381), (573, 17447), (578, 17462), (584, 17471), (594, 17495), (605, 17525), (610, 17537), (682, 17639), (689, 17651), (691, 17654), (692, 17660), (695, 17669), (734, 17777), (755, 17861), (787, 17960), (824, 18068), (838, 18116),

Gene: GrecoEtereo_29 Start: 21899, Stop: 23701, Start Num: 109

Candidate Starts for GrecoEtereo_29:

(Start: 109 @21899 has 207 MA's), (Start: 124 @21920 has 4 MA's), (Start: 146 @21962 has 1 MA's), (171, 22007), (264, 22223), (283, 22268), (289, 22277), (301, 22316), (321, 22367), (322, 22370), (413, 22565), (449, 22634), (549, 22835), (551, 22838), (556, 22859), (596, 22955), (597, 22958), (599, 22964), (623, 23033), (628, 23051), (630, 23060), (639, 23090), (681, 23186), (693, 23219), (698, 23234), (745, 23375), (760, 23432), (794, 23543),

Gene: GreedyLawyer_31 Start: 19976, Stop: 21748, Start Num: 108

Candidate Starts for GreedyLawyer_31:

(65, 19910), (Start: 90 @19952 has 8 MA's), (Start: 108 @19976 has 545 MA's), (208, 20174), (233, 20213), (262, 20285), (264, 20288), (269, 20306), (289, 20342), (292, 20348), (338, 20459), (341, 20465), (356, 20504), (373, 20546), (399, 20585), (412, 20627), (413, 20630), (441, 20690), (557, 20927), (563, 20942), (597, 21023), (639, 21155), (698, 21281), (720, 21332), (724, 21341), (735, 21380), (736, 21383), (738, 21395), (760, 21479), (792, 21584), (794, 21590), (833, 21725),

Gene: Greg_29 Start: 21405, Stop: 23207, Start Num: 109

Candidate Starts for Greg_29:

(Start: 109 @21405 has 207 MA's), (Start: 124 @21426 has 4 MA's), (Start: 146 @21468 has 1 MA's), (171, 21513), (264, 21729), (283, 21774), (289, 21783), (321, 21873), (322, 21876), (413, 22071), (449, 22140), (549, 22341), (551, 22344), (556, 22365), (596, 22461), (597, 22464), (599, 22470), (623, 22539), (628, 22557), (630, 22566), (639, 22596), (681, 22692), (693, 22725), (698, 22740), (745, 22881), (760, 22938), (794, 23049),

Gene: Grif_29 Start: 20462, Stop: 22258, Start Num: 108

Candidate Starts for Grif_29:

(Start: 108 @20462 has 545 MA's), (Start: 146 @20519 has 1 MA's), (154, 20534), (179, 20588), (Start: 183 @20603 has 1 MA's), (227, 20690), (232, 20702), (233, 20705), (264, 20780), (Start: 268 @20795 has 11 MA's), (288, 20831), (373, 21038), (449, 21191), (495, 21278), (549, 21392), (556, 21416), (563, 21434), (597, 21515), (623, 21590), (628, 21608), (637, 21641), (639, 21647), (653, 21686), (680, 21740), (681, 21743), (689, 21764), (713, 21821), (760, 21989), (792, 22094), (794, 22100), (833, 22235),

Gene: Grimmer_17 Start: 15467, Stop: 17176, Start Num: 87

Candidate Starts for Grimmer_17:

(Start: 87 @15467 has 207 MA's), (150, 15554), (Start: 175 @15599 has 47 MA's), (182, 15623), (187, 15644), (230, 15728), (233, 15734), (242, 15752), (257, 15782), (300, 15887), (323, 15947), (329, 15956), (338, 15968), (342, 15977), (351, 15995), (352, 16001), (368, 16043), (396, 16076), (402, 16088), (408, 16103), (410, 16109), (420, 16127), (427, 16142), (429, 16148), (436, 16169), (445, 16184), (448, 16187), (455, 16199), (456, 16205), (474, 16253), (480, 16265), (484, 16271), (515, 16331), (522, 16343), (538, 16379), (541, 16391), (549, 16412), (571, 16466), (573, 16475), (581, 16493), (584, 16499), (596, 16529), (667, 16634), (671, 16643), (673, 16646), (687, 16682), (701, 16721), (716, 16760), (744, 16859), (751, 16880), (759, 16913), (768, 16943), (776, 16973), (779, 16982), (781, 16988), (792, 17003), (793, 17006), (798, 17027), (800, 17030), (817, 17072), (833, 17144), (834, 17150),

Gene: Grizzly_18 Start: 16643, Stop: 18406, Start Num: 75

Candidate Starts for Grizzly_18:

(32, 16439), (Start: 75 @16643 has 25 MA's), (Start: 97 @16652 has 44 MA's), (101, 16658), (Start: 105 @16664 has 8 MA's), (154, 16742), (179, 16796), (Start: 196 @16847 has 7 MA's), (210, 16877), (219, 16901), (227, 16922), (264, 17003), (279, 17042), (283, 17048), (292, 17063), (304, 17108), (359, 17228), (385, 17285), (399, 17324), (412, 17366), (418, 17372), (430, 17399), (434, 17411), (479, 17492), (515, 17537), (538, 17585), (597, 17735), (606, 17765), (612, 17783), (623, 17810), (665, 17912), (677, 17927), (693, 17975), (698, 17990), (733, 18053), (751, 18110), (760, 18149), (776, 18191), (795, 18242), (824, 18338), (843, 18398),

Gene: GrootJr_43 Start: 30207, Stop: 31820, Start Num: 194

Candidate Starts for GrootJr_43:

(Start: 194 @30207 has 87 MA's), (Start: 209 @30243 has 1 MA's), (216, 30261), (243, 30321), (351, 30561), (353, 30573), (359, 30588), (401, 30654), (405, 30669), (419, 30693), (421, 30696), (457, 30780), (469, 30810), (470, 30813), (499, 30870), (519, 30918), (521, 30921), (532, 30942), (570, 31047), (592, 31092), (604, 31134), (669, 31308), (681, 31338), (683, 31344), (729, 31452), (730, 31455), (751, 31530), (822, 31749), (838, 31806),

Gene: Groundhog_23 Start: 18621, Stop: 20411, Start Num: 108

Candidate Starts for Groundhog_23:

(Start: 90 @18597 has 8 MA's), (Start: 108 @18621 has 545 MA's), (170, 18714), (184, 18759), (233, 18858), (247, 18894), (264, 18933), (Start: 268 @18948 has 11 MA's), (288, 18984), (338, 19104), (341, 19110), (399, 19230), (456, 19359), (495, 19431), (549, 19545), (628, 19761), (637, 19794), (681, 19896), (693, 19929), (698, 19944), (713, 19974), (791, 20244), (794, 20253), (795, 20262), (830, 20376),

Gene: Groupthink_30 Start: 20460, Stop: 22256, Start Num: 108

Candidate Starts for Groupthink_30:

(Start: 108 @20460 has 545 MA's), (Start: 146 @20517 has 1 MA's), (154, 20532), (179, 20586), (Start: 183 @20601 has 1 MA's), (227, 20688), (232, 20700), (233, 20703), (264, 20778), (Start: 268 @20793 has 11 MA's), (373, 21036), (449, 21189), (495, 21276), (540, 21369), (549, 21390), (556, 21414), (559, 21426), (563, 21432), (597, 21513), (623, 21588), (628, 21606), (630, 21615), (637, 21639), (639, 21645), (645, 21660), (653, 21684), (680, 21738), (681, 21741), (689, 21762), (792, 22092), (794, 22098), (833, 22233),

Gene: Grub_29 Start: 20371, Stop: 22167, Start Num: 108

Candidate Starts for Grub_29:

(Start: 108 @20371 has 545 MA's), (Start: 146 @20428 has 1 MA's), (154, 20443), (173, 20476), (179, 20497), (Start: 183 @20512 has 1 MA's), (227, 20599), (232, 20611), (233, 20614), (264, 20689), (Start: 268 @20704 has 11 MA's), (288, 20740), (373, 20947), (430, 21061), (449, 21100), (495, 21187), (549, 21301), (556, 21325), (563, 21343), (597, 21424), (623, 21499), (628, 21517), (637, 21550), (639, 21556), (653, 21595), (680, 21649), (681, 21652), (689, 21673), (713, 21730), (760, 21898), (792, 22003), (794, 22009), (833, 22144),

Gene: Grum1_29 Start: 20375, Stop: 22171, Start Num: 108

Candidate Starts for Grum1_29:

(Start: 108 @20375 has 545 MA's), (Start: 146 @20432 has 1 MA's), (154, 20447), (173, 20480), (179, 20501), (Start: 183 @20516 has 1 MA's), (227, 20603), (232, 20615), (233, 20618), (264, 20693), (Start: 268 @20708 has 11 MA's), (288, 20744), (339, 20867), (373, 20951), (430, 21065), (449, 21104), (495, 21191), (549, 21305), (556, 21329), (563, 21347), (597, 21428), (623, 21503), (628, 21521), (637, 21554), (639, 21560), (653, 21599), (680, 21653), (681, 21656), (689, 21677), (727, 21776), (792, 22007), (794, 22013), (833, 22148),

Gene: Gruunaga_31 Start: 19963, Stop: 21735, Start Num: 108

Candidate Starts for Gruunaga_31:

(65, 19897), (Start: 90 @19939 has 8 MA's), (Start: 108 @19963 has 545 MA's), (233, 20200), (262, 20272), (264, 20275), (Start: 268 @20290 has 11 MA's), (289, 20329), (292, 20335), (338, 20446), (341, 20452), (356, 20491), (373, 20533), (399, 20572), (412, 20614), (413, 20617), (495, 20773), (557, 20914), (563, 20929), (639, 21142), (689, 21241), (698, 21268), (720, 21319), (724, 21328), (735, 21367), (736, 21370), (760, 21466), (792, 21571), (794, 21577), (833, 21712),

Gene: Gspu1_20 Start: 15750, Stop: 17078, Start Num: 268

Candidate Starts for Gspu1_20:

(Start: 268 @15750 has 11 MA's), (276, 15768), (346, 15909), (361, 15954), (392, 15999), (423, 16074), (426, 16083), (462, 16167), (466, 16179), (549, 16272), (553, 16281), (560, 16290), (578, 16335), (590, 16353), (610, 16410), (623, 16446), (648, 16527), (666, 16563), (711, 16656), (725, 16695), (760, 16818), (781, 16869), (796, 16923), (801, 16938), (810, 16962), (813, 16968), (816, 16977), (839, 17067),

Gene: GtownJaz_29 Start: 20380, Stop: 22176, Start Num: 108

Candidate Starts for GtownJaz_29:

(Start: 108 @20380 has 545 MA's), (Start: 146 @20437 has 1 MA's), (154, 20452), (173, 20485), (179, 20506), (Start: 183 @20521 has 1 MA's), (227, 20608), (232, 20620), (233, 20623), (264, 20698), (Start: 268 @20713 has 11 MA's), (288, 20749), (373, 20956), (430, 21070), (449, 21109), (495, 21196), (549, 21310), (556, 21334), (563, 21352), (597, 21433), (623, 21508), (628, 21526), (637, 21559), (639, 21565), (653, 21604), (680, 21658), (681, 21661), (689, 21682), (713, 21739), (760, 21907), (792, 22012), (794, 22018), (833, 22153),

Gene: Guacamole_19 Start: 16654, Stop: 18300, Start Num: 175

Candidate Starts for Guacamole_19:

(156, 16618), (Start: 175 @16654 has 47 MA's), (213, 16756), (253, 16834), (254, 16837), (294, 16933), (304, 16972), (345, 17053), (364, 17107), (370, 17122), (456, 17293), (466, 17323), (549, 17506), (556, 17530), (557, 17533), (571, 17581), (604, 17674), (608, 17686), (626, 17731), (661, 17746), (712, 17878), (713, 17881), (742, 17980), (747, 17998), (760, 18049), (780, 18115), (808, 18178), (813, 18190),

Gene: Guanica15_23 Start: 16380, Stop: 18146, Start Num: 79

Candidate Starts for Guanica15_23:

(Start: 79 @16380 has 139 MA's), (Start: 81 @16386 has 15 MA's), (101, 16410), (184, 16569), (Start: 196 @16602 has 7 MA's), (210, 16632), (212, 16635), (221, 16665), (227, 16677), (266, 16767), (288, 16809), (310, 16881), (315, 16890), (338, 16929), (356, 16974), (363, 16995), (365, 16998), (399, 17070), (412, 17112), (418, 17118), (430, 17145), (515, 17283), (525, 17301), (541, 17343), (548, 17361), (558, 17391), (612, 17523), (641, 17613), (694, 17718), (706, 17748), (745, 17832), (759, 17883), (795, 17982), (824, 18078), (834, 18117), (835, 18120), (843, 18138),

Gene: Gudmit_18 Start: 15558, Stop: 17267, Start Num: 195

Candidate Starts for Gudmit_18:

(189, 15543), (Start: 195 @15558 has 39 MA's), (301, 15822), (328, 15876), (359, 15945), (363, 15957), (377, 15987), (405, 16035), (459, 16161), (492, 16245), (499, 16266), (503, 16278), (516, 16308), (541, 16368), (564, 16416), (591, 16494), (604, 16533), (610, 16551), (623, 16587), (634, 16629), (648, 16665), (655, 16686), (662, 16689), (696, 16782), (746, 16935), (751, 16950), (757, 16977), (787, 17073), (797, 17121), (810, 17151), (825, 17211),

Gene: Guillsminger_21 Start: 17495, Stop: 19267, Start Num: 81

Candidate Starts for Guillsminger_21:

(Start: 81 @17495 has 15 MA's), (86, 17501), (103, 17525), (129, 17558), (154, 17606), (179, 17660), (Start: 196 @17711 has 7 MA's), (221, 17774), (Start: 268 @17882 has 11 MA's), (310, 17990), (363, 18104), (365, 18107), (384, 18146), (393, 18161), (395, 18173), (399, 18179), (412, 18221), (418, 18227), (434, 18266), (447, 18290), (515, 18392), (542, 18455), (557, 18500), (612, 18635), (645, 18734), (683, 18812), (693, 18836), (695, 18842), (701, 18857), (745, 18953), (747, 18959), (798, 19112), (829, 19217), (830, 19220), (834, 19238),

Gene: Gustav_18 Start: 15136, Stop: 16749, Start Num: 117

Candidate Starts for Gustav_18:

(Start: 117 @15136 has 11 MA's), (Start: 121 @15142 has 2 MA's), (142, 15181), (171, 15232), (173, 15235), (182, 15265), (251, 15412), (277, 15481), (319, 15586), (338, 15616), (373, 15703), (430, 15742), (453, 15784), (480, 15856), (494, 15889), (500, 15901), (522, 15940), (538, 15976), (539, 15979), (546, 16000), (559, 16042), (578, 16084), (610, 16159), (615, 16177), (622, 16189), (623, 16192), (700, 16303), (706, 16318), (711, 16327), (727, 16375), (794, 16585), (825, 16693),

Gene: GuyFagieri_45 Start: 31180, Stop: 32754, Start Num: 196

Candidate Starts for GuyFagieri_45:

(Start: 196 @31180 has 7 MA's), (199, 31189), (Start: 201 @31192 has 1 MA's), (227, 31243), (237, 31267), (243, 31270), (353, 31522), (360, 31540), (401, 31603), (405, 31618), (464, 31735), (470, 31750), (499, 31807), (502, 31816), (521, 31858), (532, 31879), (541, 31909), (565, 31963), (628, 32137), (669, 32242), (670, 32245), (681, 32272), (724, 32365), (759, 32497), (772, 32545), (801, 32611), (813, 32641), (830, 32713),

Gene: Gwendoluna_29 Start: 22990, Stop: 24792, Start Num: 109

Candidate Starts for Gwendoluna_29:

(Start: 109 @22990 has 207 MA's), (Start: 124 @23011 has 4 MA's), (Start: 146 @23053 has 1 MA's), (171, 23098), (264, 23314), (283, 23359), (289, 23368), (301, 23407), (321, 23458), (322, 23461), (413, 23656), (449, 23725), (549, 23926), (551, 23929), (556, 23950), (596, 24046), (597, 24049), (599, 24055), (623, 24124), (628, 24142), (630, 24151), (639, 24181), (681, 24277), (693, 24310), (698, 24325), (745, 24466), (760, 24523), (794, 24634),

Gene: Gyzlar_29 Start: 22353, Stop: 24155, Start Num: 109

Candidate Starts for Gyzlar_29:

(Start: 109 @22353 has 207 MA's), (Start: 124 @22374 has 4 MA's), (Start: 146 @22416 has 1 MA's), (171, 22461), (264, 22677), (283, 22722), (289, 22731), (301, 22770), (321, 22821), (322, 22824), (413, 23019), (449, 23088), (549, 23289), (551, 23292), (556, 23313), (596, 23409), (597, 23412), (599, 23418), (623, 23487), (628, 23505), (630, 23514), (639, 23544), (681, 23640), (693, 23673), (698, 23688), (745, 23829), (760, 23886), (794, 23997),

Gene: HC_19 Start: 16486, Stop: 18219, Start Num: 96

Candidate Starts for HC_19:

(Start: 96 @16486 has 6 MA's), (159, 16585), (165, 16594), (190, 16660), (199, 16684), (232, 16744), (233, 16747), (247, 16774), (320, 16954), (337, 16978), (342, 16990), (352, 17014), (420, 17140), (427, 17155), (430, 17164), (448, 17200), (456, 17218), (564, 17470), (571, 17479), (584, 17512), (671, 17656), (689, 17701), (727, 17803), (729, 17812), (734, 17830), (735, 17833), (760, 17932), (776, 17992), (782, 18010), (792, 18046), (795, 18061), (815, 18109), (831, 18178),

Gene: HH92_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for HH92_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197 @17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406,

18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: HINdeR_27 Start: 22725, Stop: 24527, Start Num: 108

Candidate Starts for HINdeR_27:

(41, 22575), (55, 22620), (Start: 90 @22701 has 8 MA's), (Start: 99 @22713 has 4 MA's), (Start: 108 @22725 has 545 MA's), (145, 22770), (155, 22791), (173, 22821), (232, 22956), (233, 22959), (264, 23034), (289, 23088), (341, 23211), (343, 23217), (356, 23250), (373, 23292), (413, 23376), (430, 23406), (441, 23436), (515, 23562), (549, 23643), (563, 23685), (596, 23781), (597, 23784), (601, 23799), (623, 23859), (628, 23877), (630, 23886), (637, 23910), (639, 23916), (680, 24009), (681, 24012), (688, 24030), (693, 24045), (698, 24060), (714, 24096), (744, 24198), (794, 24369), (825, 24474), (838, 24519),

Gene: HUHilltop_19 Start: 16385, Stop: 18121, Start Num: 82

Candidate Starts for HUHilltop_19:

(Start: 71 @16361 has 2 MA's), (Start: 82 @16385 has 44 MA's), (128, 16445), (136, 16466), (138, 16469), (Start: 195 @16589 has 39 MA's), (213, 16628), (232, 16661), (244, 16685), (296, 16805), (306, 16844), (309, 16850), (351, 16934), (352, 16940), (356, 16952), (365, 16976), (379, 17003), (400, 17021), (417, 17060), (420, 17066), (430, 17090), (456, 17144), (461, 17156), (463, 17165), (490, 17225), (526, 17303), (541, 17342), (554, 17375), (573, 17441), (578, 17456), (584, 17465), (594, 17489), (605, 17519), (610, 17531), (682, 17633), (689, 17645), (691, 17648), (692, 17654), (695, 17663), (734, 17771), (755, 17855), (787, 17954), (824, 18062), (838, 18110),

Gene: Hades_16 Start: 14815, Stop: 16524, Start Num: 87

Candidate Starts for Hades_16:

(Start: 87 @14815 has 207 MA's), (150, 14902), (Start: 175 @14947 has 47 MA's), (182, 14971), (230, 15076), (233, 15082), (242, 15100), (257, 15130), (300, 15235), (323, 15295), (338, 15316), (342, 15325), (352, 15349), (420, 15475), (427, 15490), (429, 15496), (445, 15532), (448, 15535), (455, 15547), (456, 15553), (474, 15601), (480, 15613), (484, 15619), (515, 15679), (522, 15691), (538, 15727), (541, 15739), (571, 15814), (573, 15823), (581, 15841), (584, 15847), (596, 15877), (667, 15982), (671, 15991), (673, 15994), (687, 16030), (716, 16108), (744, 16207), (751, 16228), (759, 16261), (768, 16291), (776, 16321), (779, 16330), (781, 16336), (792, 16351), (793, 16354), (800, 16378), (813, 16408), (817, 16420), (822, 16450), (833, 16492),

Gene: Hadrien_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for Hadrien_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197 @17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406, 18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: Hail_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for Hail_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197

@17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406, 18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: Haley23_17 Start: 14758, Stop: 16467, Start Num: 195

Candidate Starts for Haley23_17:

(Start: 195 @14758 has 39 MA's), (244, 14875), (301, 15025), (319, 15064), (328, 15079), (359, 15148), (363, 15160), (405, 15238), (406, 15241), (462, 15373), (487, 15427), (516, 15508), (541, 15568), (543, 15574), (546, 15580), (576, 15661), (592, 15697), (604, 15733), (610, 15751), (625, 15790), (647, 15862), (655, 15886), (742, 16120), (746, 16135), (757, 16177), (785, 16270), (787, 16273), (797, 16321), (810, 16351),

Gene: Halo_18 Start: 16644, Stop: 18398, Start Num: 97

Candidate Starts for Halo_18:

(Start: 75 @16635 has 25 MA's), (Start: 97 @16644 has 44 MA's), (101, 16650), (Start: 105 @16656 has 8 MA's), (179, 16788), (Start: 196 @16839 has 7 MA's), (210, 16869), (219, 16893), (264, 16995), (279, 17034), (283, 17040), (292, 17055), (304, 17100), (359, 17220), (385, 17277), (399, 17316), (418, 17364), (430, 17391), (434, 17403), (479, 17484), (515, 17529), (597, 17727), (606, 17757), (612, 17775), (623, 17802), (648, 17886), (665, 17904), (677, 17919), (693, 17967), (698, 17982), (733, 18045), (751, 18102), (760, 18141), (776, 18183), (795, 18234), (824, 18330), (843, 18390),

Gene: HamSlice_26 Start: 19825, Stop: 21603, Start Num: 108

Candidate Starts for HamSlice_26:

(Start: 90 @19801 has 8 MA's), (Start: 108 @19825 has 545 MA's), (Start: 146 @19882 has 1 MA's), (Start: 175 @19936 has 47 MA's), (179, 19951), (184, 19969), (227, 20053), (232, 20065), (233, 20068), (264, 20143), (Start: 268 @20158 has 11 MA's), (289, 20197), (338, 20314), (373, 20401), (412, 20482), (435, 20530), (449, 20554), (495, 20641), (522, 20686), (551, 20758), (556, 20779), (563, 20797), (597, 20878), (628, 20971), (630, 20980), (637, 21004), (639, 21010), (647, 21034), (681, 21088), (689, 21109), (710, 21160), (719, 21184), (736, 21238), (760, 21334), (792, 21439), (795, 21454), (828, 21562), (833, 21580),

Gene: Hami1_29 Start: 21499, Stop: 23301, Start Num: 109

Candidate Starts for Hami1_29:

(Start: 109 @21499 has 207 MA's), (Start: 124 @21520 has 4 MA's), (Start: 146 @21562 has 1 MA's), (171, 21607), (264, 21823), (283, 21868), (289, 21877), (301, 21916), (321, 21967), (322, 21970), (413, 22165), (449, 22234), (549, 22435), (551, 22438), (556, 22459), (596, 22555), (597, 22558), (599, 22564), (628, 22651), (630, 22660), (639, 22690), (681, 22786), (693, 22819), (698, 22834), (745, 22975), (760, 23032), (794, 23143),

Gene: Hammer_31 Start: 19978, Stop: 21750, Start Num: 108

Candidate Starts for Hammer_31:

(65, 19912), (Start: 90 @19954 has 8 MA's), (Start: 108 @19978 has 545 MA's), (233, 20215), (262, 20287), (264, 20290), (Start: 268 @20305 has 11 MA's), (289, 20344), (292, 20350), (338, 20461), (341, 20467), (356, 20506), (373, 20548), (399, 20587), (412, 20629), (413, 20632), (495, 20788), (557, 20929), (563, 20944), (639, 21157), (698, 21283), (720, 21334), (724, 21343), (735, 21382), (736, 21385), (792, 21586), (794, 21592), (833, 21727),

Gene: Hammy_22 Start: 17572, Stop: 19338, Start Num: 79

Candidate Starts for Hammy_22:

(Start: 62 @17533 has 1 MA's), (Start: 75 @17563 has 25 MA's), (Start: 79 @17572 has 139 MA's), (101, 17602), (Start: 175 @17728 has 47 MA's), (179, 17743), (Start: 196 @17794 has 7 MA's), (221, 17857), (227, 17869), (234, 17887), (266, 17959), (283, 17995), (288, 18001), (315, 18082), (359, 18175), (363, 18187), (365, 18190), (383, 18226), (399, 18262), (412, 18304), (418, 18310), (430, 18337), (447, 18373), (525, 18493), (558, 18583), (573, 18610), (593, 18655), (612, 18715), (636, 18790), (645, 18814), (681, 18874), (694, 18910), (706, 18940), (745, 19024), (759, 19075), (798, 19183), (834, 19309), (835, 19312), (843, 19330),

Gene: Hamood_22 Start: 17878, Stop: 19584, Start Num: 126

Candidate Starts for Hamood_22:

(Start: 69 @17803 has 2 MA's), (Start: 126 @17878 has 16 MA's), (Start: 175 @17971 has 47 MA's), (179, 17986), (181, 17992), (Start: 209 @18067 has 1 MA's), (235, 18139), (286, 18250), (301, 18295), (306, 18313), (310, 18325), (395, 18496), (401, 18505), (403, 18511), (442, 18607), (466, 18658), (546, 18781), (558, 18820), (610, 18952), (647, 19066), (693, 19153), (744, 19267), (747, 19276), (780, 19381), (814, 19468), (843, 19576),

Gene: Hamulus_16 Start: 14812, Stop: 16521, Start Num: 87

Candidate Starts for Hamulus_16:

(Start: 87 @14812 has 207 MA's), (150, 14899), (Start: 175 @14944 has 47 MA's), (182, 14968), (230, 15073), (233, 15079), (242, 15097), (257, 15127), (300, 15232), (323, 15292), (337, 15310), (338, 15313), (342, 15322), (351, 15340), (352, 15346), (396, 15421), (398, 15424), (420, 15472), (427, 15487), (429, 15493), (445, 15529), (448, 15532), (455, 15544), (456, 15550), (474, 15598), (480, 15610), (484, 15616), (515, 15676), (522, 15688), (538, 15724), (541, 15736), (571, 15811), (573, 15820), (581, 15838), (584, 15844), (596, 15874), (667, 15979), (671, 15988), (673, 15991), (687, 16027), (716, 16105), (744, 16204), (751, 16225), (759, 16258), (768, 16288), (776, 16318), (779, 16327), (781, 16333), (792, 16348), (793, 16351), (800, 16375), (813, 16405), (817, 16417), (822, 16447), (833, 16489),

Gene: HanKaySha_25 Start: 19488, Stop: 21167, Start Num: 94

Candidate Starts for HanKaySha_25:

(Start: 94 @19488 has 79 MA's), (Start: 147 @19572 has 45 MA's), (Start: 183 @19650 has 1 MA's), (227, 19737), (233, 19752), (257, 19800), (271, 19839), (306, 19926), (321, 19959), (342, 19995), (354, 20025), (356, 20031), (400, 20100), (424, 20130), (428, 20142), (429, 20145), (456, 20202), (517, 20334), (520, 20340), (547, 20406), (549, 20412), (556, 20436), (573, 20484), (584, 20508), (589, 20517), (616, 20592), (671, 20643), (678, 20658), (736, 20820), (742, 20847), (751, 20877), (780, 20982), (815, 21060), (822, 21096), (824, 21105), (833, 21138), (838, 21153),

Gene: HanShotFirst_27 Start: 21033, Stop: 22835, Start Num: 109

Candidate Starts for HanShotFirst_27:

(Start: 109 @21033 has 207 MA's), (Start: 124 @21054 has 4 MA's), (Start: 146 @21096 has 1 MA's), (171, 21141), (264, 21357), (283, 21402), (289, 21411), (321, 21501), (322, 21504), (365, 21597), (413, 21699), (449, 21768), (545, 21957), (549, 21969), (551, 21972), (556, 21993), (596, 22089), (597, 22092), (599, 22098), (623, 22167), (628, 22185), (630, 22194), (639, 22224), (681, 22320), (693, 22353), (698, 22368), (745, 22509), (760, 22566), (794, 22677),

Gene: Hanako_18 Start: 14993, Stop: 16702, Start Num: 91

Candidate Starts for Hanako_18:

(Start: 91 @14993 has 42 MA's), (115, 15020), (136, 15059), (Start: 175 @15125 has 47 MA's), (178, 15137), (190, 15173), (199, 15197), (213, 15224), (227, 15245), (230, 15254), (233, 15260), (251, 15293), (320, 15467), (323, 15473), (329, 15482), (337, 15491), (342, 15503), (352, 15527), (368, 15569), (396, 15602), (420, 15653), (422, 15656), (427, 15668), (445, 15710), (455, 15725), (456, 15731), (474, 15779), (497, 15833), (515, 15857), (546, 15929), (564, 15983), (571, 15992), (573, 16001), (584, 16025), (595, 16052), (596, 16055), (667, 16160), (671, 16169), (687, 16208), (717,

16289), (735, 16346), (744, 16385), (776, 16499), (792, 16529), (793, 16532), (800, 16556), (815, 16592),

Gene: Hannaconda_31 Start: 23714, Stop: 25447, Start Num: 89

Candidate Starts for Hannaconda_31:

(Start: 89 @23714 has 30 MA's), (Start: 147 @23804 has 45 MA's), (150, 23807), (193, 23909), (227, 23975), (244, 24011), (259, 24041), (264, 24056), (298, 24140), (309, 24176), (321, 24203), (343, 24242), (356, 24275), (359, 24284), (398, 24341), (413, 24383), (453, 24458), (456, 24470), (480, 24530), (503, 24584), (517, 24614), (526, 24632), (531, 24641), (542, 24674), (547, 24686), (549, 24692), (561, 24731), (584, 24788), (678, 24938), (682, 24956), (700, 24998), (711, 25022), (712, 25025), (716, 25040), (727, 25070), (736, 25100), (751, 25157), (803, 25307), (835, 25427), (838, 25433),

Gene: Hanray_29 Start: 21753, Stop: 23543, Start Num: 108

Candidate Starts for Hanray_29:

(Start: 105 @21750 has 8 MA's), (Start: 108 @21753 has 545 MA's), (232, 21987), (233, 21990), (262, 22062), (264, 22065), (Start: 268 @22080 has 11 MA's), (289, 22119), (292, 22125), (338, 22236), (373, 22323), (412, 22404), (413, 22407), (513, 22593), (540, 22656), (551, 22680), (553, 22686), (563, 22719), (597, 22800), (637, 22926), (651, 22968), (681, 23028), (693, 23061), (698, 23076), (735, 23175), (736, 23178), (738, 23190), (760, 23274), (780, 23340), (792, 23379), (794, 23385), (809, 23430), (824, 23487), (825, 23490),

Gene: Hans_35 Start: 29139, Stop: 30764, Start Num: 123

Candidate Starts for Hans_35:

(Start: 123 @29139 has 17 MA's), (131, 29151), (Start: 147 @29184 has 45 MA's), (Start: 152 @29193 has 2 MA's), (159, 29205), (Start: 175 @29235 has 47 MA's), (227, 29352), (232, 29364), (265, 29439), (292, 29499), (300, 29529), (430, 29736), (443, 29766), (463, 29811), (490, 29871), (515, 29919), (546, 29991), (557, 30024), (558, 30027), (575, 30066), (593, 30105), (622, 30192), (623, 30195), (688, 30273), (712, 30333), (727, 30378), (747, 30459), (761, 30513), (795, 30609), (833, 30738), (838, 30753),

Gene: Happiness_27 Start: 19833, Stop: 21611, Start Num: 108

Candidate Starts for Happiness_27:

(Start: 90 @19809 has 8 MA's), (Start: 108 @19833 has 545 MA's), (Start: 146 @19890 has 1 MA's), (Start: 175 @19944 has 47 MA's), (179, 19959), (184, 19977), (227, 20061), (232, 20073), (233, 20076), (264, 20151), (Start: 268 @20166 has 11 MA's), (289, 20205), (338, 20322), (373, 20409), (412, 20490), (435, 20538), (449, 20562), (495, 20649), (522, 20694), (551, 20766), (556, 20787), (563, 20805), (628, 20979), (630, 20988), (637, 21012), (639, 21018), (647, 21042), (681, 21096), (689, 21117), (710, 21168), (719, 21192), (736, 21246), (760, 21342), (792, 21447), (795, 21462), (828, 21570), (833, 21588),

Gene: Harella_23 Start: 19962, Stop: 21557, Start Num: 147

Candidate Starts for Harella_23:

(Start: 94 @19878 has 79 MA's), (Start: 147 @19962 has 45 MA's), (Start: 183 @20040 has 1 MA's), (227, 20127), (233, 20142), (257, 20190), (271, 20229), (306, 20316), (321, 20349), (342, 20385), (354, 20415), (356, 20421), (400, 20490), (424, 20520), (428, 20532), (429, 20535), (456, 20592), (517, 20724), (520, 20730), (547, 20796), (549, 20802), (556, 20826), (573, 20874), (584, 20898), (589, 20907), (616, 20982), (671, 21033), (678, 21048), (736, 21210), (742, 21237), (751, 21267), (780, 21372), (815, 21450), (822, 21486), (824, 21495), (833, 21528), (838, 21543),

Gene: Harlequin_23 Start: 16299, Stop: 17924, Start Num: 130

Candidate Starts for Harlequin_23:

(Start: 120 @16284 has 4 MA's), (Start: 130 @16299 has 32 MA's), (153, 16341), (169, 16368), (181, 16404), (264, 16590), (313, 16719), (338, 16761), (351, 16788), (358, 16812), (365, 16830), (392, 16860), (395, 16875), (413, 16926), (456, 17010), (540, 17127), (551, 17151), (596, 17265), (611, 17313), (623, 17343), (633, 17382), (637, 17394), (669, 17424), (698, 17502), (757, 17649), (763, 17673), (774, 17709), (788, 17748), (838, 17916),

Gene: Harley_16 Start: 14800, Stop: 16509, Start Num: 87

Candidate Starts for Harley_16:

(Start: 87 @14800 has 207 MA's), (150, 14887), (Start: 175 @14932 has 47 MA's), (182, 14956), (230, 15061), (233, 15067), (242, 15085), (257, 15115), (300, 15220), (323, 15280), (338, 15301), (342, 15310), (351, 15328), (352, 15334), (368, 15376), (396, 15409), (402, 15421), (408, 15436), (410, 15442), (420, 15460), (427, 15475), (429, 15481), (436, 15502), (445, 15517), (448, 15520), (455, 15532), (456, 15538), (474, 15586), (480, 15598), (484, 15604), (515, 15664), (522, 15676), (538, 15712), (541, 15724), (549, 15745), (571, 15799), (573, 15808), (581, 15826), (584, 15832), (667, 15967), (671, 15976), (673, 15979), (687, 16015), (701, 16054), (716, 16093), (744, 16192), (751, 16213), (759, 16246), (768, 16276), (776, 16306), (778, 16312), (779, 16315), (781, 16321), (792, 16336), (793, 16339), (798, 16360), (800, 16363), (817, 16405), (833, 16477), (834, 16483),

Gene: HarryHoudini_30 Start: 20673, Stop: 22445, Start Num: 108

Candidate Starts for HarryHoudini_30:

(Start: 90 @20649 has 8 MA's), (Start: 108 @20673 has 545 MA's), (Start: 183 @20808 has 1 MA's), (189, 20826), (232, 20907), (233, 20910), (262, 20982), (264, 20985), (289, 21039), (292, 21045), (310, 21108), (318, 21123), (338, 21156), (352, 21189), (373, 21243), (412, 21324), (413, 21327), (430, 21357), (513, 21513), (551, 21600), (597, 21720), (636, 21843), (637, 21846), (639, 21852), (669, 21900), (685, 21942), (693, 21963), (698, 21978), (701, 21984), (724, 22038), (735, 22077), (738, 22092), (747, 22125), (759, 22170), (792, 22281), (794, 22287), (798, 22305), (813, 22341),

Gene: HarryOW_28 Start: 21487, Stop: 23289, Start Num: 109

Candidate Starts for HarryOW_28:

(Start: 109 @21487 has 207 MA's), (Start: 124 @21508 has 4 MA's), (Start: 146 @21550 has 1 MA's), (171, 21595), (264, 21811), (283, 21856), (289, 21865), (301, 21904), (321, 21955), (322, 21958), (365, 22051), (413, 22153), (449, 22222), (549, 22423), (551, 22426), (556, 22447), (596, 22543), (597, 22546), (599, 22552), (623, 22621), (628, 22639), (630, 22648), (639, 22678), (681, 22774), (693, 22807), (698, 22822), (745, 22963), (760, 23020), (794, 23131),

Gene: HashRod_30 Start: 20466, Stop: 22262, Start Num: 108

Candidate Starts for HashRod_30:

(Start: 108 @20466 has 545 MA's), (Start: 146 @20523 has 1 MA's), (154, 20538), (173, 20571), (179, 20592), (Start: 183 @20607 has 1 MA's), (227, 20694), (232, 20706), (233, 20709), (264, 20784), (Start: 268 @20799 has 11 MA's), (288, 20835), (339, 20958), (373, 21042), (430, 21156), (449, 21195), (495, 21282), (549, 21396), (556, 21420), (563, 21438), (597, 21519), (623, 21594), (628, 21612), (637, 21645), (639, 21651), (653, 21690), (680, 21744), (681, 21747), (689, 21768), (713, 21825), (760, 21993), (792, 22098), (794, 22104), (833, 22239),

Gene: HaveUMetTed_30 Start: 20453, Stop: 22249, Start Num: 108

Candidate Starts for HaveUMetTed_30:

(Start: 108 @20453 has 545 MA's), (Start: 146 @20510 has 1 MA's), (154, 20525), (179, 20579), (Start: 183 @20594 has 1 MA's), (227, 20681), (232, 20693), (233, 20696), (264, 20771), (Start: 268 @20786 has 11 MA's), (373, 21029), (449, 21182), (495, 21269), (549, 21383), (556, 21407), (559, 21419), (563, 21425), (597, 21506), (623, 21581), (628, 21599), (630, 21608), (637, 21632), (639, 21638), (653, 21677), (680, 21731), (681, 21734), (689, 21755), (760, 21980), (792, 22085), (794, 22091), (833, 22226),

Gene: Heathen_27 Start: 19708, Stop: 21507, Start Num: 108

Candidate Starts for Heathen_27:

(Start: 108 @19708 has 545 MA's), (Start: 146 @19768 has 1 MA's), (179, 19837), (227, 19939), (232, 19951), (233, 19954), (264, 20029), (Start: 268 @20044 has 11 MA's), (269, 20047), (289, 20083), (347, 20218), (373, 20287), (430, 20401), (495, 20527), (549, 20641), (556, 20665), (559, 20677), (563, 20683), (597, 20764), (623, 20839), (628, 20857), (630, 20866), (637, 20890), (639, 20896), (645, 20911), (665, 20953), (678, 20980), (680, 20989), (681, 20992), (689, 21013), (693, 21025), (760, 21238), (792, 21343), (794, 21349), (833, 21484),

Gene: HedwigODU_23 Start: 17157, Stop: 18923, Start Num: 79

Candidate Starts for HedwigODU_23:

(Start: 79 @17157 has 139 MA's), (101, 17187), (184, 17346), (Start: 196 @17379 has 7 MA's), (210, 17409), (221, 17442), (227, 17454), (266, 17544), (288, 17586), (310, 17658), (315, 17667), (338, 17706), (356, 17751), (363, 17772), (365, 17775), (393, 17829), (399, 17847), (412, 17889), (418, 17895), (430, 17922), (515, 18060), (525, 18078), (541, 18120), (548, 18138), (558, 18168), (573, 18195), (612, 18300), (681, 18459), (694, 18495), (706, 18525), (718, 18534), (745, 18609), (759, 18660), (795, 18759), (824, 18855), (834, 18894), (835, 18897), (843, 18915),

Gene: Heffalump_30 Start: 22038, Stop: 23810, Start Num: 108

Candidate Starts for Heffalump_30:

(65, 21972), (Start: 90 @22014 has 8 MA's), (Start: 108 @22038 has 545 MA's), (232, 22272), (233, 22275), (262, 22347), (264, 22350), (289, 22404), (301, 22443), (318, 22488), (338, 22521), (373, 22608), (412, 22689), (413, 22692), (551, 22965), (597, 23085), (637, 23211), (669, 23265), (674, 23274), (681, 23295), (693, 23328), (698, 23343), (701, 23349), (724, 23403), (735, 23442), (738, 23457), (760, 23541), (794, 23652),

Gene: Heftyboy_21 Start: 17643, Stop: 19415, Start Num: 81

Candidate Starts for Heftyboy_21:

(Start: 81 @17643 has 15 MA's), (86, 17649), (103, 17673), (129, 17706), (154, 17754), (179, 17808), (Start: 196 @17859 has 7 MA's), (221, 17922), (Start: 268 @18030 has 11 MA's), (310, 18138), (363, 18252), (365, 18255), (384, 18294), (393, 18309), (395, 18321), (399, 18327), (410, 18363), (412, 18369), (418, 18375), (434, 18414), (447, 18438), (515, 18540), (542, 18603), (557, 18648), (612, 18783), (645, 18882), (683, 18960), (693, 18984), (701, 19005), (709, 19023), (745, 19101), (747, 19107), (798, 19260), (829, 19365), (830, 19368), (834, 19386),

Gene: Hegedechwinu_17 Start: 14659, Stop: 16368, Start Num: 87

Candidate Starts for Hegedechwinu_17:

(Start: 87 @14659 has 207 MA's), (150, 14746), (Start: 175 @14791 has 47 MA's), (182, 14815), (230, 14920), (233, 14926), (242, 14944), (257, 14974), (300, 15079), (323, 15139), (338, 15160), (342, 15169), (352, 15193), (420, 15319), (427, 15334), (429, 15340), (445, 15376), (448, 15379), (455, 15391), (456, 15397), (474, 15445), (480, 15457), (484, 15463), (515, 15523), (522, 15535), (538, 15571), (541, 15583), (571, 15658), (573, 15667), (581, 15685), (584, 15691), (596, 15721), (667, 15826), (671, 15835), (673, 15838), (687, 15874), (716, 15952), (744, 16051), (751, 16072), (759, 16105), (768, 16135), (776, 16165), (779, 16174), (781, 16180), (792, 16195), (793, 16198), (800, 16222), (813, 16252), (817, 16264), (822, 16294), (833, 16336),

Gene: Heinz_19 Start: 15040, Stop: 16656, Start Num: 117

Candidate Starts for Heinz_19:

(Start: 117 @15040 has 11 MA's), (173, 15139), (180, 15163), (232, 15274), (233, 15277), (241, 15295), (244, 15304), (270, 15370), (277, 15385), (284, 15394), (287, 15400), (319, 15490), (350, 15544), (352, 15553), (429, 15643), (451, 15685), (453, 15688), (468, 15733), (477, 15754), (506, 15811), (512, 15826), (515, 15832), (520, 15841), (529, 15859), (561, 15949), (571, 15964), (610, 16063), (615, 16081), (622, 16093), (671, 16132), (681, 16159), (700, 16207), (704, 16219), (711,

16231), (717, 16252), (722, 16264), (727, 16279), (736, 16309), (744, 16345), (795, 16498), (809, 16534), (824, 16594), (825, 16597), (831, 16618), (838, 16642),

Gene: HelDan_27 Start: 19960, Stop: 21759, Start Num: 108

Candidate Starts for HelDan_27:

(Start: 108 @19960 has 545 MA's), (Start: 146 @20020 has 1 MA's), (179, 20089), (227, 20191), (232, 20203), (233, 20206), (264, 20281), (Start: 268 @20296 has 11 MA's), (269, 20299), (289, 20335), (347, 20470), (373, 20539), (430, 20653), (495, 20779), (549, 20893), (556, 20917), (559, 20929), (563, 20935), (597, 21016), (623, 21091), (628, 21109), (630, 21118), (637, 21142), (639, 21148), (645, 21163), (665, 21205), (678, 21232), (680, 21241), (681, 21244), (689, 21265), (693, 21277), (760, 21490), (792, 21595), (794, 21601), (833, 21736),

Gene: Heliosoles_29 Start: 20460, Stop: 22256, Start Num: 108

Candidate Starts for Heliosoles_29:

(Start: 108 @20460 has 545 MA's), (Start: 146 @20517 has 1 MA's), (154, 20532), (179, 20586), (Start: 183 @20601 has 1 MA's), (227, 20688), (232, 20700), (233, 20703), (264, 20778), (Start: 268 @20793 has 11 MA's), (373, 21036), (449, 21189), (495, 21276), (540, 21369), (549, 21390), (556, 21414), (559, 21426), (563, 21432), (597, 21513), (623, 21588), (628, 21606), (630, 21615), (637, 21639), (639, 21645), (645, 21660), (653, 21684), (680, 21738), (681, 21741), (689, 21762), (792, 22092), (794, 22098), (833, 22233),

Gene: Helmet_32 Start: 19977, Stop: 21749, Start Num: 108

Candidate Starts for Helmet_32:

(65, 19911), (Start: 90 @19953 has 8 MA's), (Start: 108 @19977 has 545 MA's), (233, 20214), (262, 20286), (264, 20289), (Start: 268 @20304 has 11 MA's), (289, 20343), (292, 20349), (338, 20460), (341, 20466), (356, 20505), (373, 20547), (399, 20586), (412, 20628), (413, 20631), (495, 20787), (557, 20928), (563, 20943), (639, 21156), (689, 21255), (698, 21282), (720, 21333), (724, 21342), (735, 21381), (736, 21384), (792, 21585), (794, 21591), (833, 21726),

Gene: Henry_24 Start: 19829, Stop: 21424, Start Num: 147

Candidate Starts for Henry_24:

(Start: 94 @19745 has 79 MA's), (Start: 147 @19829 has 45 MA's), (Start: 183 @19907 has 1 MA's), (227, 19994), (233, 20009), (257, 20057), (271, 20096), (306, 20183), (321, 20216), (342, 20252), (354, 20282), (356, 20288), (400, 20357), (424, 20387), (428, 20399), (429, 20402), (456, 20459), (517, 20591), (520, 20597), (547, 20663), (549, 20669), (556, 20693), (573, 20741), (584, 20765), (589, 20774), (616, 20849), (671, 20900), (678, 20915), (736, 21077), (742, 21104), (751, 21134), (780, 21239), (815, 21317), (822, 21353), (824, 21362), (833, 21395), (838, 21410),

Gene: Herbertwm_25 Start: 18795, Stop: 20585, Start Num: 108

Candidate Starts for Herbertwm_25:

(65, 18729), (Start: 90 @18771 has 8 MA's), (Start: 108 @18795 has 545 MA's), (151, 18855), (Start: 183 @18930 has 1 MA's), (184, 18933), (189, 18948), (232, 19029), (233, 19032), (264, 19107), (Start: 268 @19122 has 11 MA's), (289, 19161), (310, 19230), (352, 19311), (373, 19365), (399, 19404), (412, 19446), (559, 19755), (681, 20070), (683, 20079), (698, 20118), (701, 20124), (710, 20142), (713, 20148), (735, 20217), (738, 20232), (784, 20394), (792, 20421), (833, 20562),

Gene: Hercules11_29 Start: 20386, Stop: 22182, Start Num: 108

Candidate Starts for Hercules11_29:

(Start: 108 @20386 has 545 MA's), (Start: 146 @20443 has 1 MA's), (154, 20458), (173, 20491), (179, 20512), (Start: 183 @20527 has 1 MA's), (227, 20614), (232, 20626), (233, 20629), (264, 20704), (Start: 268 @20719 has 11 MA's), (288, 20755), (373, 20962), (430, 21076), (449, 21115), (549, 21316), (556, 21340), (563, 21358), (597, 21439), (623, 21514), (628, 21532), (637, 21565), (639, 21571), (653, 21610), (680, 21664), (681, 21667), (689, 21688), (713, 21745), (760, 21913), (792,

22018), (794, 22024), (833, 22159),

Gene: Hermia_30 Start: 22615, Stop: 24417, Start Num: 109

Candidate Starts for Hermia_30:

(Start: 109 @22615 has 207 MA's), (Start: 124 @22636 has 4 MA's), (Start: 146 @22678 has 1 MA's), (171, 22723), (264, 22939), (283, 22984), (289, 22993), (301, 23032), (321, 23083), (322, 23086), (413, 23281), (449, 23350), (549, 23551), (551, 23554), (556, 23575), (596, 23671), (597, 23674), (599, 23680), (623, 23749), (628, 23767), (630, 23776), (639, 23806), (681, 23902), (693, 23935), (698, 23950), (713, 23980), (745, 24091), (760, 24148), (794, 24259), (840, 24412),

Gene: HermioneGrange_27 Start: 21061, Stop: 22863, Start Num: 109

Candidate Starts for HermioneGrange_27:

(Start: 109 @21061 has 207 MA's), (Start: 124 @21082 has 4 MA's), (Start: 146 @21124 has 1 MA's), (171, 21169), (264, 21385), (283, 21430), (289, 21439), (321, 21529), (322, 21532), (365, 21625), (413, 21727), (449, 21796), (545, 21985), (549, 21997), (551, 22000), (556, 22021), (596, 22117), (597, 22120), (599, 22126), (623, 22195), (628, 22213), (630, 22222), (639, 22252), (681, 22348), (693, 22381), (698, 22396), (745, 22537), (760, 22594), (794, 22705),

Gene: Herod_19 Start: 17764, Stop: 19362, Start Num: 194

Candidate Starts for Herod_19:

(Start: 194 @17764 has 87 MA's), (310, 18022), (319, 18040), (321, 18043), (351, 18097), (381, 18172), (413, 18241), (423, 18250), (427, 18262), (451, 18313), (459, 18340), (462, 18349), (463, 18352), (518, 18385), (541, 18442), (564, 18508), (602, 18619), (610, 18643), (623, 18679), (631, 18712), (655, 18781), (682, 18838), (716, 18928), (787, 19168), (810, 19246),

Gene: Hexamo_31 Start: 19945, Stop: 21717, Start Num: 108

Candidate Starts for Hexamo_31:

(65, 19879), (Start: 90 @19921 has 8 MA's), (Start: 108 @19945 has 545 MA's), (233, 20182), (262, 20254), (264, 20257), (Start: 268 @20272 has 11 MA's), (289, 20311), (292, 20317), (338, 20428), (341, 20434), (356, 20473), (373, 20515), (399, 20554), (412, 20596), (413, 20599), (495, 20755), (557, 20896), (563, 20911), (639, 21124), (689, 21223), (698, 21250), (720, 21301), (724, 21310), (735, 21349), (738, 21364), (760, 21448), (792, 21553), (794, 21559), (833, 21694),

Gene: Hibiscus_18 Start: 14988, Stop: 16604, Start Num: 117

Candidate Starts for Hibiscus_18:

(73, 14922), (Start: 117 @14988 has 11 MA's), (173, 15087), (180, 15111), (232, 15222), (233, 15225), (241, 15243), (244, 15252), (270, 15318), (277, 15333), (284, 15342), (287, 15348), (319, 15438), (350, 15492), (352, 15501), (429, 15591), (477, 15702), (512, 15774), (515, 15780), (520, 15789), (529, 15807), (561, 15897), (610, 16011), (615, 16029), (622, 16041), (671, 16080), (681, 16107), (700, 16155), (704, 16167), (711, 16179), (717, 16200), (722, 16212), (727, 16227), (736, 16257), (744, 16293), (795, 16446), (809, 16482), (824, 16542), (825, 16545), (831, 16566), (838, 16590),

Gene: Highbury_25 Start: 19407, Stop: 21086, Start Num: 94

Candidate Starts for Highbury_25:

(Start: 94 @19407 has 79 MA's), (Start: 147 @19491 has 45 MA's), (Start: 183 @19569 has 1 MA's), (227, 19656), (233, 19671), (257, 19719), (271, 19758), (306, 19845), (321, 19878), (342, 19914), (354, 19944), (356, 19950), (400, 20019), (424, 20049), (428, 20061), (429, 20064), (456, 20121), (517, 20253), (520, 20259), (547, 20325), (549, 20331), (556, 20355), (573, 20403), (584, 20427), (589, 20436), (616, 20511), (671, 20562), (678, 20577), (736, 20739), (742, 20766), (751, 20796), (780, 20901), (815, 20979), (822, 21015), (824, 21024), (833, 21057), (838, 21072),

Gene: Hilltopfarm_24 Start: 19638, Stop: 21473, Start Num: 51

Candidate Starts for Hilltopfarm_24:

(Start: 51 @19638 has 4 MA's), (70, 19686), (Start: 75 @19695 has 25 MA's), (102, 19734), (129, 19764), (135, 19776), (154, 19812), (171, 19842), (Start: 175 @19851 has 47 MA's), (179, 19866), (Start: 196 @19917 has 7 MA's), (Start: 197 @19920 has 1 MA's), (239, 20019), (299, 20160), (318, 20211), (321, 20217), (343, 20256), (363, 20310), (399, 20379), (412, 20421), (431, 20457), (434, 20466), (477, 20544), (482, 20553), (501, 20583), (513, 20616), (515, 20619), (541, 20679), (551, 20703), (554, 20712), (582, 20781), (622, 20886), (623, 20889), (630, 20916), (727, 21099), (813, 21354), (834, 21444), (835, 21447), (836, 21450),

Gene: Hiro_23 Start: 16605, Stop: 18230, Start Num: 130

Candidate Starts for Hiro_23:

(Start: 120 @16590 has 4 MA's), (Start: 130 @16605 has 32 MA's), (153, 16647), (169, 16674), (181, 16710), (244, 16851), (264, 16896), (313, 17025), (338, 17067), (347, 17085), (351, 17094), (358, 17118), (365, 17136), (392, 17166), (395, 17181), (397, 17184), (410, 17223), (413, 17232), (456, 17316), (513, 17370), (522, 17385), (540, 17433), (551, 17457), (596, 17571), (623, 17649), (633, 17688), (637, 17700), (640, 17709), (669, 17730), (698, 17808), (757, 17955), (788, 18054), (792, 18069), (838, 18222),

Gene: Hitter_19 Start: 16650, Stop: 18296, Start Num: 175

Candidate Starts for Hitter_19:

(156, 16614), (Start: 175 @16650 has 47 MA's), (213, 16752), (253, 16830), (254, 16833), (294, 16929), (304, 16968), (336, 17028), (345, 17049), (364, 17103), (370, 17118), (422, 17214), (456, 17289), (466, 17319), (549, 17502), (556, 17526), (571, 17577), (604, 17670), (608, 17682), (626, 17727), (661, 17742), (712, 17874), (713, 17877), (742, 17976), (747, 17994), (760, 18045), (780, 18111), (808, 18174), (813, 18186),

Gene: Hlubikazi_16 Start: 14904, Stop: 16613, Start Num: 87

Candidate Starts for Hlubikazi_16:

(Start: 87 @14904 has 207 MA's), (150, 14991), (Start: 175 @15036 has 47 MA's), (182, 15060), (230, 15165), (233, 15171), (242, 15189), (257, 15219), (300, 15324), (323, 15384), (338, 15405), (342, 15414), (352, 15438), (420, 15564), (427, 15579), (429, 15585), (445, 15621), (448, 15624), (455, 15636), (456, 15642), (474, 15690), (480, 15702), (484, 15708), (515, 15768), (522, 15780), (538, 15816), (541, 15828), (571, 15903), (573, 15912), (581, 15930), (584, 15936), (596, 15966), (667, 16071), (671, 16080), (673, 16083), (687, 16119), (716, 16197), (744, 16296), (751, 16317), (759, 16350), (768, 16380), (776, 16410), (779, 16419), (781, 16425), (792, 16440), (793, 16443), (800, 16467), (813, 16497), (817, 16509), (822, 16539), (833, 16581),

Gene: Holec_29 Start: 21753, Stop: 23543, Start Num: 108

Candidate Starts for Holec_29:

(Start: 105 @21750 has 8 MA's), (Start: 108 @21753 has 545 MA's), (232, 21987), (233, 21990), (262, 22062), (264, 22065), (Start: 268 @22080 has 11 MA's), (289, 22119), (292, 22125), (338, 22236), (373, 22323), (412, 22404), (413, 22407), (513, 22593), (540, 22656), (551, 22680), (553, 22686), (563, 22719), (597, 22800), (637, 22926), (651, 22968), (678, 23016), (681, 23028), (693, 23061), (698, 23076), (735, 23175), (736, 23178), (738, 23190), (760, 23274), (780, 23340), (792, 23379), (794, 23385), (809, 23430), (824, 23487), (825, 23490),

Gene: Holli_27 Start: 19617, Stop: 21395, Start Num: 108

Candidate Starts for Holli_27:

(Start: 90 @19593 has 8 MA's), (Start: 108 @19617 has 545 MA's), (Start: 146 @19674 has 1 MA's), (Start: 175 @19728 has 47 MA's), (179, 19743), (184, 19761), (227, 19845), (232, 19857), (233, 19860), (264, 19935), (Start: 268 @19950 has 11 MA's), (289, 19989), (338, 20106), (373, 20193), (412, 20274), (435, 20322), (449, 20346), (495, 20433), (522, 20478), (551, 20550), (556, 20571), (563, 20589), (597, 20670), (628, 20763), (630, 20772), (637, 20796), (639, 20802), (647, 20826), (681, 20880), (689, 20901), (710, 20952), (719, 20976), (736, 21030), (760, 21126), (792, 21231),

(795, 21246), (828, 21354), (833, 21372),

Gene: Holt_25 Start: 19026, Stop: 20705, Start Num: 94

Candidate Starts for Holt_25:

(Start: 94 @19026 has 79 MA's), (Start: 147 @19110 has 45 MA's), (Start: 183 @19188 has 1 MA's),
(227, 19275), (233, 19290), (257, 19338), (271, 19377), (306, 19464), (321, 19497), (342, 19533),
(354, 19563), (356, 19569), (400, 19638), (424, 19668), (428, 19680), (429, 19683), (456, 19740),
(517, 19872), (520, 19878), (547, 19944), (549, 19950), (556, 19974), (573, 20022), (584, 20046),
(589, 20055), (616, 20130), (671, 20181), (678, 20196), (736, 20358), (742, 20385), (751, 20415),
(780, 20520), (815, 20598), (822, 20634), (824, 20643), (833, 20676), (838, 20691),

Gene: Homines_27 Start: 21386, Stop: 23188, Start Num: 109

Candidate Starts for Homines_27:

(Start: 109 @21386 has 207 MA's), (Start: 124 @21407 has 4 MA's), (Start: 146 @21449 has 1 MA's),
(171, 21494), (264, 21710), (283, 21755), (289, 21764), (301, 21803), (321, 21854), (322, 21857),
(365, 21950), (413, 22052), (449, 22121), (549, 22322), (551, 22325), (556, 22346), (596, 22442),
(597, 22445), (599, 22451), (623, 22520), (628, 22538), (630, 22547), (639, 22577), (681, 22673),
(693, 22706), (698, 22721), (745, 22862), (760, 22919), (794, 23030), (840, 23183),

Gene: Homura_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Homura_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210,
17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338,
17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418,
17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573,
18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759,
18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: Hookmount_28 Start: 20456, Stop: 22255, Start Num: 108

Candidate Starts for Hookmount_28:

(Start: 108 @20456 has 545 MA's), (Start: 146 @20516 has 1 MA's), (179, 20585), (227, 20687), (232,
20699), (233, 20702), (264, 20777), (Start: 268 @20792 has 11 MA's), (289, 20831), (347, 20966),
(373, 21035), (430, 21149), (495, 21275), (549, 21389), (556, 21413), (559, 21425), (563, 21431),
(597, 21512), (623, 21587), (628, 21605), (630, 21614), (637, 21638), (639, 21644), (645, 21659),
(662, 21692), (680, 21737), (681, 21740), (689, 21761), (736, 21890), (760, 21986), (792, 22091),
(794, 22097), (833, 22232),

Gene: Hoonter_26 Start: 19736, Stop: 21415, Start Num: 94

Candidate Starts for Hoonter_26:

(Start: 94 @19736 has 79 MA's), (Start: 147 @19820 has 45 MA's), (Start: 183 @19898 has 1 MA's),
(227, 19985), (233, 20000), (257, 20048), (271, 20087), (306, 20174), (321, 20207), (342, 20243),
(354, 20273), (356, 20279), (400, 20348), (424, 20378), (428, 20390), (429, 20393), (456, 20450),
(517, 20582), (520, 20588), (547, 20654), (549, 20660), (556, 20684), (573, 20732), (584, 20756),
(589, 20765), (616, 20840), (671, 20891), (678, 20906), (736, 21068), (742, 21095), (751, 21125),
(780, 21230), (815, 21308), (822, 21344), (824, 21353), (833, 21386), (838, 21401),

Gene: Hoot_31 Start: 19955, Stop: 21727, Start Num: 108

Candidate Starts for Hoot_31:

(65, 19889), (Start: 90 @19931 has 8 MA's), (Start: 108 @19955 has 545 MA's), (208, 20153), (233,
20192), (262, 20264), (264, 20267), (269, 20285), (289, 20321), (292, 20327), (338, 20438), (341,
20444), (356, 20483), (373, 20525), (399, 20564), (412, 20606), (413, 20609), (441, 20669), (557,
20906), (563, 20921), (597, 21002), (639, 21134), (698, 21260), (720, 21311), (724, 21320), (735,
21359), (736, 21362), (738, 21374), (760, 21458), (792, 21563), (794, 21569), (833, 21704),

Gene: Hope_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Hope_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Hope4ever_27 Start: 21502, Stop: 23304, Start Num: 109

Candidate Starts for Hope4ever_27:

(Start: 109 @21502 has 207 MA's), (Start: 124 @21523 has 4 MA's), (Start: 146 @21565 has 1 MA's), (171, 21610), (264, 21826), (283, 21871), (289, 21880), (301, 21919), (321, 21970), (322, 21973), (365, 22066), (413, 22168), (449, 22237), (545, 22426), (549, 22438), (551, 22441), (556, 22462), (596, 22558), (597, 22561), (599, 22567), (623, 22636), (628, 22654), (630, 22663), (639, 22693), (681, 22789), (693, 22822), (698, 22837), (745, 22978), (760, 23035), (794, 23146),

Gene: Hopey_26 Start: 20107, Stop: 21702, Start Num: 147

Candidate Starts for Hopey_26:

(Start: 94 @20023 has 79 MA's), (Start: 147 @20107 has 45 MA's), (Start: 183 @20185 has 1 MA's), (227, 20272), (233, 20287), (257, 20335), (271, 20374), (306, 20461), (321, 20494), (342, 20530), (354, 20560), (356, 20566), (400, 20635), (424, 20665), (428, 20677), (429, 20680), (456, 20737), (517, 20869), (520, 20875), (547, 20941), (549, 20947), (556, 20971), (573, 21019), (584, 21043), (589, 21052), (616, 21127), (671, 21178), (678, 21193), (736, 21355), (742, 21382), (751, 21412), (780, 21517), (815, 21595), (822, 21631), (824, 21640), (833, 21673), (838, 21688),

Gene: Hortense_20 Start: 17902, Stop: 19482, Start Num: 194

Candidate Starts for Hortense_20:

(149, 17785), (Start: 194 @17902 has 87 MA's), (310, 18160), (321, 18181), (351, 18235), (363, 18274), (397, 18331), (405, 18352), (518, 18523), (527, 18541), (537, 18565), (543, 18586), (564, 18628), (592, 18709), (623, 18799), (638, 18850), (655, 18901), (662, 18904), (682, 18958), (716, 19048), (796, 19327), (797, 19336), (810, 19366),

Gene: HortumSL17_30 Start: 21746, Stop: 23539, Start Num: 105

Candidate Starts for HortumSL17_30:

(Start: 105 @21746 has 8 MA's), (Start: 108 @21749 has 545 MA's), (232, 21983), (233, 21986), (262, 22058), (264, 22061), (Start: 268 @22076 has 11 MA's), (289, 22115), (292, 22121), (338, 22232), (373, 22319), (412, 22400), (413, 22403), (513, 22589), (540, 22652), (551, 22676), (553, 22682), (563, 22715), (597, 22796), (637, 22922), (651, 22964), (653, 22967), (681, 23024), (693, 23057), (698, 23072), (735, 23171), (736, 23174), (738, 23186), (760, 23270), (780, 23336), (792, 23375), (794, 23381), (809, 23426), (824, 23483), (825, 23486),

Gene: Hotshotbaby7_18 Start: 16640, Stop: 18403, Start Num: 75

Candidate Starts for Hotshotbaby7_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Houdini22_27 Start: 19831, Stop: 21609, Start Num: 108

Candidate Starts for Houdini22_27:

(Start: 90 @19807 has 8 MA's), (Start: 108 @19831 has 545 MA's), (Start: 146 @19888 has 1 MA's), (Start: 175 @19942 has 47 MA's), (179, 19957), (184, 19975), (227, 20059), (232, 20071), (233, 20074), (264, 20149), (Start: 268 @20164 has 11 MA's), (289, 20203), (338, 20320), (373, 20407), (412, 20488), (435, 20536), (449, 20560), (495, 20647), (522, 20692), (551, 20764), (556, 20785), (563, 20803), (597, 20884), (628, 20977), (630, 20986), (637, 21010), (639, 21016), (647, 21040), (681, 21094), (689, 21115), (710, 21166), (719, 21190), (736, 21244), (760, 21340), (792, 21445), (795, 21460), (828, 21568), (833, 21586),

Gene: Howe_20 Start: 17902, Stop: 19482, Start Num: 194

Candidate Starts for Howe_20:

(149, 17785), (Start: 194 @17902 has 87 MA's), (310, 18160), (321, 18181), (351, 18235), (363, 18274), (397, 18331), (405, 18352), (518, 18523), (527, 18541), (537, 18565), (543, 18586), (564, 18628), (592, 18709), (623, 18799), (638, 18850), (655, 18901), (662, 18904), (682, 18958), (716, 19048), (796, 19327), (797, 19336), (810, 19366),

Gene: HubbaBubba_40 Start: 26590, Stop: 28194, Start Num: 198

Candidate Starts for HubbaBubba_40:

(Start: 194 @26578 has 87 MA's), (Start: 197 @26587 has 1 MA's), (Start: 198 @26590 has 1 MA's), (Start: 209 @26614 has 1 MA's), (243, 26692), (319, 26875), (351, 26932), (353, 26944), (359, 26959), (401, 27025), (405, 27040), (419, 27064), (457, 27151), (460, 27157), (469, 27181), (499, 27241), (510, 27271), (521, 27292), (565, 27397), (570, 27418), (604, 27505), (622, 27553), (669, 27679), (683, 27715), (744, 27880), (750, 27898), (759, 27934), (820, 28108), (822, 28120), (838, 28177),

Gene: HufflyPuff_23 Start: 19814, Stop: 21409, Start Num: 147

Candidate Starts for HufflyPuff_23:

(Start: 94 @19730 has 79 MA's), (Start: 147 @19814 has 45 MA's), (Start: 183 @19892 has 1 MA's), (227, 19979), (233, 19994), (257, 20042), (271, 20081), (306, 20168), (321, 20201), (342, 20237), (354, 20267), (356, 20273), (400, 20342), (424, 20372), (428, 20384), (429, 20387), (456, 20444), (517, 20576), (520, 20582), (547, 20648), (549, 20654), (556, 20678), (573, 20726), (584, 20750), (589, 20759), (616, 20834), (671, 20885), (678, 20900), (736, 21062), (742, 21089), (751, 21119), (780, 21224), (815, 21302), (822, 21338), (824, 21347), (833, 21380), (838, 21395),

Gene: Huffly_24 Start: 16702, Stop: 18030, Start Num: 268

Candidate Starts for Huffly_24:

(Start: 268 @16702 has 11 MA's), (275, 16717), (330, 16831), (346, 16861), (361, 16906), (392, 16951), (410, 17008), (423, 17026), (426, 17035), (434, 17059), (436, 17065), (437, 17068), (462, 17119), (466, 17131), (532, 17173), (549, 17224), (553, 17233), (560, 17242), (578, 17287), (623, 17398), (635, 17443), (665, 17512), (679, 17533), (713, 17614), (725, 17647), (751, 17734), (760, 17770), (764, 17785), (767, 17794), (787, 17836), (816, 17929), (819, 17947), (833, 18004), (835, 18013),

Gene: Hughesyang_35 Start: 27496, Stop: 29229, Start Num: 89

Candidate Starts for Hughesyang_35:

(Start: 89 @27496 has 30 MA's), (Start: 147 @27586 has 45 MA's), (172, 27634), (182, 27664), (193, 27691), (244, 27793), (259, 27823), (298, 27922), (309, 27958), (310, 27964), (321, 27985), (356, 28057), (359, 28066), (368, 28087), (410, 28156), (429, 28195), (430, 28198), (435, 28213), (456, 28252), (474, 28300), (480, 28312), (484, 28318), (503, 28366), (507, 28375), (517, 28396), (526, 28414), (545, 28462), (581, 28564), (605, 28624), (610, 28636), (678, 28720), (681, 28732), (682, 28738), (689, 28750), (691, 28753), (704, 28792), (713, 28810), (726, 28846), (727, 28852), (751, 28939), (775, 29029), (795, 29071), (803, 29089), (814, 29119), (823, 29161), (838, 29215),

Gene: Hugley_19 Start: 17764, Stop: 19362, Start Num: 194

Candidate Starts for Hugley_19:

(Start: 194 @17764 has 87 MA's), (310, 18022), (319, 18040), (321, 18043), (351, 18097), (381, 18172), (413, 18241), (423, 18250), (427, 18262), (451, 18313), (459, 18340), (462, 18349), (463, 18352), (518, 18385), (541, 18442), (564, 18508), (602, 18619), (610, 18643), (623, 18679), (631, 18712), (655, 18781), (682, 18838), (716, 18928), (787, 19168), (810, 19246),

Gene: HuhtaEnerson15_24 Start: 19658, Stop: 21454, Start Num: 108

Candidate Starts for HuhtaEnerson15_24:

(Start: 108 @19658 has 545 MA's), (Start: 175 @19763 has 47 MA's), (184, 19796), (233, 19895), (264, 19970), (Start: 268 @19985 has 11 MA's), (288, 20021), (310, 20093), (318, 20108), (341, 20147), (352, 20174), (359, 20195), (381, 20234), (441, 20372), (446, 20378), (545, 20570), (546, 20573), (549, 20582), (563, 20624), (569, 20642), (596, 20702), (597, 20705), (628, 20798), (630, 20807), (637, 20831), (680, 20939), (693, 20975), (760, 21185), (791, 21287), (794, 21296), (827, 21410), (833, 21431), (835, 21440),

Gene: Hurricane_22 Start: 17587, Stop: 19350, Start Num: 79

Candidate Starts for Hurricane_22:

(Start: 75 @17578 has 25 MA's), (Start: 79 @17587 has 139 MA's), (153, 17689), (179, 17746), (Start: 196 @17797 has 7 MA's), (210, 17827), (219, 17851), (310, 18082), (315, 18091), (321, 18103), (363, 18196), (365, 18199), (399, 18271), (403, 18280), (412, 18313), (418, 18319), (434, 18358), (454, 18394), (515, 18484), (542, 18547), (577, 18634), (612, 18727), (636, 18802), (698, 18931), (709, 18955), (729, 18982), (747, 19039), (759, 19084), (795, 19186), (807, 19213), (822, 19273), (824, 19282), (830, 19303), (834, 19321), (836, 19327), (843, 19342),

Gene: Hutc2_28 Start: 20752, Stop: 22551, Start Num: 108

Candidate Starts for Hutc2_28:

(65, 20686), (Start: 90 @20728 has 8 MA's), (Start: 108 @20752 has 545 MA's), (141, 20794), (184, 20890), (189, 20905), (232, 20986), (233, 20989), (264, 21064), (Start: 268 @21079 has 11 MA's), (289, 21118), (292, 21124), (306, 21175), (338, 21235), (341, 21241), (373, 21322), (413, 21406), (472, 21532), (485, 21550), (507, 21577), (563, 21718), (592, 21784), (596, 21796), (597, 21799), (662, 21988), (674, 22015), (678, 22024), (683, 22045), (685, 22048), (693, 22069), (698, 22084), (710, 22108), (735, 22183), (738, 22198), (760, 22282), (792, 22387), (794, 22393), (813, 22447), (840, 22546),

Gene: Huxley_27 Start: 19891, Stop: 21669, Start Num: 108

Candidate Starts for Huxley_27:

(Start: 90 @19867 has 8 MA's), (Start: 108 @19891 has 545 MA's), (Start: 146 @19948 has 1 MA's), (Start: 175 @20002 has 47 MA's), (179, 20017), (184, 20035), (227, 20119), (232, 20131), (233, 20134), (264, 20209), (Start: 268 @20224 has 11 MA's), (289, 20263), (338, 20380), (373, 20467), (412, 20548), (435, 20596), (449, 20620), (495, 20707), (522, 20752), (551, 20824), (556, 20845), (563, 20863), (597, 20944), (628, 21037), (630, 21046), (637, 21070), (639, 21076), (647, 21100), (681, 21154), (689, 21175), (710, 21226), (719, 21250), (760, 21400), (792, 21505), (795, 21520), (828, 21628), (833, 21646),

Gene: Hyperbowlee_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Hyperbowlee_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: Hyzer_19 Start: 17835, Stop: 19433, Start Num: 194

Candidate Starts for Hyzer_19:

(100, 17634), (Start: 194 @17835 has 87 MA's), (310, 18093), (319, 18111), (321, 18114), (351, 18168), (381, 18243), (413, 18312), (423, 18321), (427, 18333), (451, 18384), (459, 18411), (462, 18420), (463, 18423), (518, 18456), (541, 18513), (564, 18579), (602, 18690), (610, 18714), (623, 18750), (655, 18852), (716, 18999), (787, 19239), (810, 19317),

Gene: ICleared_27 Start: 19825, Stop: 21603, Start Num: 108

Candidate Starts for ICleared_27:

(Start: 90 @19801 has 8 MA's), (Start: 108 @19825 has 545 MA's), (Start: 146 @19882 has 1 MA's), (Start: 175 @19936 has 47 MA's), (179, 19951), (184, 19969), (227, 20053), (232, 20065), (233, 20068), (264, 20143), (Start: 268 @20158 has 11 MA's), (289, 20197), (338, 20314), (373, 20401), (412, 20482), (435, 20530), (449, 20554), (495, 20641), (522, 20686), (551, 20758), (556, 20779), (563, 20797), (597, 20878), (628, 20971), (630, 20980), (637, 21004), (639, 21010), (647, 21034), (681, 21088), (689, 21109), (710, 21160), (719, 21184), (736, 21238), (760, 21334), (792, 21439), (795, 21454), (828, 21562), (833, 21580),

Gene: IDyn_42 Start: 27974, Stop: 29590, Start Num: 194

Candidate Starts for IDyn_42:

(Start: 194 @27974 has 87 MA's), (Start: 198 @27986 has 1 MA's), (Start: 209 @28010 has 1 MA's), (243, 28088), (319, 28271), (351, 28328), (353, 28340), (359, 28355), (401, 28421), (405, 28436), (419, 28460), (457, 28547), (460, 28553), (469, 28577), (499, 28637), (510, 28667), (521, 28688), (565, 28793), (570, 28814), (604, 28901), (622, 28949), (669, 29075), (683, 29111), (744, 29276), (750, 29294), (759, 29330), (820, 29504), (822, 29516), (838, 29573),

Gene: IHOP_24 Start: 20006, Stop: 21601, Start Num: 147

Candidate Starts for IHOP_24:

(Start: 94 @19922 has 79 MA's), (Start: 147 @20006 has 45 MA's), (Start: 183 @20084 has 1 MA's), (227, 20171), (233, 20186), (257, 20234), (271, 20273), (306, 20360), (321, 20393), (342, 20429), (354, 20459), (356, 20465), (400, 20534), (424, 20564), (428, 20576), (429, 20579), (456, 20636), (517, 20768), (520, 20774), (547, 20840), (549, 20846), (556, 20870), (573, 20918), (584, 20942), (589, 20951), (616, 21026), (671, 21077), (678, 21092), (736, 21254), (742, 21281), (751, 21311), (780, 21416), (815, 21494), (822, 21530), (824, 21539), (833, 21572), (838, 21587),

Gene: ILeeKay_29 Start: 21266, Stop: 23068, Start Num: 109

Candidate Starts for ILeeKay_29:

(Start: 109 @21266 has 207 MA's), (Start: 124 @21287 has 4 MA's), (Start: 146 @21329 has 1 MA's), (171, 21374), (264, 21590), (283, 21635), (289, 21644), (301, 21683), (321, 21734), (322, 21737), (413, 21932), (449, 22001), (549, 22202), (551, 22205), (556, 22226), (596, 22322), (597, 22325), (599, 22331), (623, 22400), (628, 22418), (630, 22427), (639, 22457), (681, 22553), (693, 22586), (698, 22601), (745, 22742), (760, 22799), (794, 22910),

Gene: IMpilo_16 Start: 14837, Stop: 16546, Start Num: 87

Candidate Starts for IMpilo_16:

(Start: 87 @14837 has 207 MA's), (150, 14924), (Start: 175 @14969 has 47 MA's), (182, 14993), (230, 15098), (233, 15104), (242, 15122), (257, 15152), (300, 15257), (323, 15317), (329, 15326), (337, 15335), (338, 15338), (342, 15347), (352, 15371), (396, 15446), (420, 15497), (427, 15512), (429, 15518), (445, 15554), (448, 15557), (455, 15569), (456, 15575), (474, 15623), (480, 15635), (484, 15641), (515, 15701), (522, 15713), (538, 15749), (541, 15761), (571, 15836), (573, 15845), (581, 15863), (584, 15869), (596, 15899), (667, 16004), (671, 16013), (673, 16016), (687, 16052), (716, 16130), (744, 16229), (751, 16250), (759, 16283), (768, 16313), (776, 16343), (779, 16352), (781, 16358), (792, 16373), (793, 16376), (800, 16400), (813, 16430), (817, 16442), (822, 16472), (833, 16514),

Gene: lbOuu_16 Start: 14805, Stop: 16514, Start Num: 87

Candidate Starts for lbOuu_16:

(Start: 87 @14805 has 207 MA's), (150, 14892), (Start: 175 @14937 has 47 MA's), (182, 14961), (230, 15066), (233, 15072), (242, 15090), (257, 15120), (300, 15225), (320, 15279), (323, 15285), (329, 15294), (338, 15306), (342, 15315), (352, 15339), (420, 15465), (427, 15480), (429, 15486), (445, 15522), (455, 15537), (456, 15543), (474, 15591), (480, 15603), (484, 15609), (515, 15669), (522, 15681), (538, 15717), (541, 15729), (571, 15804), (573, 15813), (581, 15831), (584, 15837), (596, 15867), (667, 15972), (671, 15981), (673, 15984), (687, 16020), (716, 16098), (744, 16197), (751, 16218), (759, 16251), (768, 16281), (776, 16311), (779, 16320), (781, 16326), (792, 16341), (793, 16344), (798, 16365), (800, 16368), (817, 16410), (822, 16440), (833, 16482),

Gene: lbhubesi_16 Start: 14800, Stop: 16509, Start Num: 87

Candidate Starts for lbhubesi_16:

(Start: 87 @14800 has 207 MA's), (150, 14887), (Start: 175 @14932 has 47 MA's), (182, 14956), (230, 15061), (233, 15067), (242, 15085), (257, 15115), (300, 15220), (323, 15280), (338, 15301), (342, 15310), (351, 15328), (352, 15334), (368, 15376), (396, 15409), (402, 15421), (408, 15436), (410, 15442), (420, 15460), (427, 15475), (429, 15481), (436, 15502), (445, 15517), (448, 15520), (455, 15532), (456, 15538), (474, 15586), (480, 15598), (484, 15604), (515, 15664), (522, 15676), (538, 15712), (541, 15724), (549, 15745), (571, 15799), (573, 15808), (581, 15826), (584, 15832), (667, 15967), (671, 15976), (673, 15979), (687, 16015), (701, 16054), (716, 16093), (744, 16192), (751, 16213), (759, 16246), (768, 16276), (776, 16306), (778, 16312), (779, 16315), (781, 16321), (792, 16336), (793, 16339), (798, 16360), (800, 16363), (817, 16405), (833, 16477), (834, 16483),

Gene: lcee_23 Start: 19489, Stop: 21084, Start Num: 147

Candidate Starts for lcee_23:

(Start: 94 @19405 has 79 MA's), (Start: 147 @19489 has 45 MA's), (Start: 183 @19567 has 1 MA's), (227, 19654), (233, 19669), (257, 19717), (271, 19756), (306, 19843), (321, 19876), (342, 19912), (354, 19942), (356, 19948), (400, 20017), (424, 20047), (428, 20059), (429, 20062), (456, 20119), (517, 20251), (520, 20257), (547, 20323), (549, 20329), (556, 20353), (573, 20401), (584, 20425), (589, 20434), (616, 20509), (671, 20560), (678, 20575), (736, 20737), (742, 20764), (751, 20794), (780, 20899), (815, 20977), (822, 21013), (824, 21022), (833, 21055), (838, 21070),

Gene: lceman_28 Start: 20116, Stop: 21894, Start Num: 108

Candidate Starts for lceman_28:

(Start: 90 @20092 has 8 MA's), (Start: 108 @20116 has 545 MA's), (Start: 146 @20173 has 1 MA's), (Start: 175 @20227 has 47 MA's), (179, 20242), (184, 20260), (227, 20344), (232, 20356), (233, 20359), (264, 20434), (Start: 268 @20449 has 11 MA's), (289, 20488), (338, 20605), (373, 20692), (412, 20773), (435, 20821), (449, 20845), (495, 20932), (522, 20977), (551, 21049), (556, 21070), (563, 21088), (597, 21169), (628, 21262), (630, 21271), (637, 21295), (639, 21301), (647, 21325), (681, 21379), (689, 21400), (710, 21451), (719, 21475), (736, 21529), (760, 21625), (792, 21730), (795, 21745), (828, 21853), (833, 21871),

Gene: lchabod_28 Start: 21290, Stop: 23092, Start Num: 109

Candidate Starts for lchabod_28:

(Start: 109 @21290 has 207 MA's), (Start: 124 @21311 has 4 MA's), (Start: 146 @21353 has 1 MA's), (171, 21398), (264, 21614), (283, 21659), (289, 21668), (301, 21707), (321, 21758), (322, 21761), (413, 21956), (449, 22025), (549, 22226), (551, 22229), (556, 22250), (596, 22346), (597, 22349), (599, 22355), (623, 22424), (628, 22442), (630, 22451), (639, 22481), (681, 22577), (693, 22610), (698, 22625), (745, 22766), (760, 22823), (794, 22934),

Gene: ldergollasper_56 Start: 33475, Stop: 35211, Start Num: 74

Candidate Starts for ldergollasper_56:

(Start: 69 @33466 has 2 MA's), (Start: 74 @33475 has 26 MA's), (134, 33565), (187, 33682), (203, 33718), (214, 33739), (230, 33766), (233, 33772), (261, 33826), (281, 33877), (342, 34015), (344, 34021), (363, 34072), (365, 34075), (374, 34093), (420, 34144), (429, 34165), (430, 34168), (455, 34216), (456, 34222), (474, 34270), (477, 34276), (480, 34282), (504, 34342), (515, 34366), (517, 34369), (538, 34414), (542, 34429), (546, 34438), (549, 34447), (564, 34492), (573, 34510), (589, 34543), (673, 34681), (680, 34702), (706, 34768), (717, 34798), (734, 34852), (744, 34894), (751, 34915), (755, 34936), (759, 34948), (765, 34969), (781, 35023), (815, 35101), (822, 35137), (827, 35158), (834, 35185),

Gene: Idleandcovert_27 Start: 19904, Stop: 21700, Start Num: 108

Candidate Starts for Idleandcovert_27:

(Start: 108 @19904 has 545 MA's), (Start: 146 @19961 has 1 MA's), (179, 20030), (227, 20132), (232, 20144), (233, 20147), (264, 20222), (Start: 268 @20237 has 11 MA's), (289, 20276), (347, 20411), (373, 20480), (430, 20594), (495, 20720), (549, 20834), (556, 20858), (563, 20876), (597, 20957), (623, 21032), (628, 21050), (630, 21059), (637, 21083), (639, 21089), (645, 21104), (662, 21137), (680, 21182), (681, 21185), (689, 21206), (693, 21218), (695, 21224), (719, 21281), (760, 21431), (768, 21455), (792, 21536), (794, 21542), (833, 21677),

Gene: IgnatiusPatJac_26 Start: 21135, Stop: 22916, Start Num: 124

Candidate Starts for IgnatiusPatJac_26:

(Start: 109 @21114 has 207 MA's), (Start: 124 @21135 has 4 MA's), (Start: 146 @21177 has 1 MA's), (171, 21222), (264, 21438), (283, 21483), (289, 21492), (321, 21582), (322, 21585), (365, 21678), (413, 21780), (449, 21849), (549, 22050), (551, 22053), (556, 22074), (596, 22170), (597, 22173), (599, 22179), (623, 22248), (628, 22266), (630, 22275), (639, 22305), (681, 22401), (693, 22434), (698, 22449), (745, 22590), (760, 22647), (794, 22758),

Gene: Illumine_23 Start: 17171, Stop: 18937, Start Num: 79

Candidate Starts for Illumine_23:

(Start: 79 @17171 has 139 MA's), (101, 17201), (184, 17360), (Start: 196 @17393 has 7 MA's), (210, 17423), (221, 17456), (227, 17468), (266, 17558), (283, 17594), (288, 17600), (310, 17672), (315, 17681), (338, 17720), (356, 17765), (357, 17768), (363, 17786), (365, 17789), (399, 17861), (412, 17903), (418, 17909), (430, 17936), (447, 17972), (479, 18029), (515, 18074), (525, 18092), (548, 18152), (558, 18182), (573, 18209), (612, 18314), (641, 18404), (681, 18473), (694, 18509), (706, 18539), (718, 18548), (745, 18623), (759, 18674), (795, 18773), (815, 18824), (834, 18908), (835, 18911), (843, 18929),

Gene: Inca_23 Start: 18509, Stop: 20104, Start Num: 147

Candidate Starts for Inca_23:

(Start: 94 @18425 has 79 MA's), (Start: 147 @18509 has 45 MA's), (Start: 183 @18587 has 1 MA's), (227, 18674), (233, 18689), (257, 18737), (271, 18776), (306, 18863), (321, 18896), (342, 18932), (354, 18962), (356, 18968), (400, 19037), (424, 19067), (428, 19079), (429, 19082), (456, 19139), (517, 19271), (520, 19277), (547, 19343), (549, 19349), (556, 19373), (573, 19421), (584, 19445), (589, 19454), (616, 19529), (671, 19580), (678, 19595), (736, 19757), (742, 19784), (751, 19814), (780, 19919), (815, 19997), (822, 20033), (824, 20042), (833, 20075), (838, 20090),

Gene: Indra_31 Start: 19978, Stop: 21750, Start Num: 108

Candidate Starts for Indra_31:

(65, 19912), (Start: 90 @19954 has 8 MA's), (Start: 108 @19978 has 545 MA's), (233, 20215), (262, 20287), (264, 20290), (Start: 268 @20305 has 11 MA's), (289, 20344), (292, 20350), (338, 20461), (341, 20467), (356, 20506), (373, 20548), (399, 20587), (412, 20629), (413, 20632), (495, 20788), (557, 20929), (563, 20944), (639, 21157), (689, 21256), (698, 21283), (720, 21334), (724, 21343), (735, 21382), (736, 21385), (792, 21586), (794, 21592), (833, 21727),

Gene: Inky_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Inky_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: Insomnia_28 Start: 20807, Stop: 22606, Start Num: 108

Candidate Starts for Insomnia_28:

(65, 20741), (Start: 90 @20783 has 8 MA's), (Start: 108 @20807 has 545 MA's), (141, 20849), (184, 20945), (189, 20960), (232, 21041), (233, 21044), (264, 21119), (Start: 268 @21134 has 11 MA's), (289, 21173), (292, 21179), (306, 21230), (338, 21290), (341, 21296), (373, 21377), (413, 21461), (472, 21587), (485, 21605), (507, 21632), (563, 21773), (592, 21839), (596, 21851), (597, 21854), (662, 22043), (674, 22070), (678, 22079), (683, 22100), (685, 22103), (693, 22124), (698, 22139), (710, 22163), (735, 22238), (738, 22253), (760, 22337), (792, 22442), (794, 22448), (813, 22502), (840, 22601),

Gene: Inspectinfecti_34 Start: 29501, Stop: 31126, Start Num: 123

Candidate Starts for Inspectinfecti_34:

(Start: 123 @29501 has 17 MA's), (131, 29513), (Start: 147 @29546 has 45 MA's), (Start: 152 @29555 has 2 MA's), (159, 29567), (Start: 175 @29597 has 47 MA's), (227, 29714), (232, 29726), (265, 29801), (292, 29861), (300, 29891), (430, 30098), (443, 30128), (463, 30173), (490, 30233), (515, 30281), (546, 30353), (557, 30386), (558, 30389), (575, 30428), (593, 30467), (622, 30554), (623, 30557), (688, 30635), (712, 30695), (727, 30740), (747, 30821), (761, 30875), (795, 30971), (833, 31100), (838, 31115),

Gene: Invectra_21 Start: 17703, Stop: 19283, Start Num: 194

Candidate Starts for Invectra_21:

(18, 16926), (25, 17082), (36, 17313), (37, 17316), (52, 17400), (54, 17406), (Start: 84 @17481 has 1 MA's), (119, 17532), (149, 17586), (Start: 194 @17703 has 87 MA's), (274, 17874), (310, 17961), (319, 17979), (321, 17982), (351, 18036), (363, 18075), (397, 18132), (405, 18153), (518, 18324), (527, 18342), (537, 18366), (543, 18387), (564, 18429), (592, 18510), (623, 18600), (655, 18702), (662, 18705), (682, 18759), (732, 18897), (767, 19029), (796, 19128), (797, 19137), (810, 19167),

Gene: Inventum_16 Start: 14940, Stop: 16649, Start Num: 87

Candidate Starts for Inventum_16:

(Start: 87 @14940 has 207 MA's), (150, 15027), (Start: 175 @15072 has 47 MA's), (182, 15096), (230, 15201), (233, 15207), (242, 15225), (257, 15255), (300, 15360), (323, 15420), (338, 15441), (342, 15450), (352, 15474), (420, 15600), (427, 15615), (429, 15621), (445, 15657), (448, 15660), (455, 15672), (456, 15678), (474, 15726), (480, 15738), (484, 15744), (515, 15804), (522, 15816), (538, 15852), (541, 15864), (571, 15939), (573, 15948), (581, 15966), (584, 15972), (596, 16002), (667, 16107), (673, 16119), (687, 16155), (716, 16233), (744, 16332), (751, 16353), (759, 16386), (768, 16416), (776, 16446), (779, 16455), (781, 16461), (792, 16476), (793, 16479), (798, 16500), (800, 16503), (817, 16545), (822, 16575), (833, 16617),

Gene: InvictusManeo_21 Start: 17595, Stop: 19367, Start Num: 81

Candidate Starts for InvictusManeo_21:

(Start: 81 @17595 has 15 MA's), (86, 17601), (103, 17625), (129, 17658), (154, 17706), (179, 17760), (Start: 196 @17811 has 7 MA's), (221, 17874), (Start: 268 @17982 has 11 MA's), (310, 18090), (363, 18204), (365, 18207), (384, 18246), (393, 18261), (395, 18273), (399, 18279), (410, 18315), (412, 18321), (418, 18327), (434, 18366), (447, 18390), (515, 18492), (542, 18555), (612, 18735), (645,

18834), (683, 18912), (693, 18936), (695, 18942), (709, 18975), (745, 19053), (747, 19059), (798, 19212), (829, 19317), (830, 19320), (834, 19338),

Gene: Inyanga_26 Start: 20869, Stop: 22671, Start Num: 109

Candidate Starts for Inyanga_26:

(Start: 109 @20869 has 207 MA's), (Start: 124 @20890 has 4 MA's), (Start: 146 @20932 has 1 MA's), (171, 20977), (264, 21193), (283, 21238), (289, 21247), (301, 21286), (321, 21337), (322, 21340), (413, 21535), (449, 21604), (549, 21805), (551, 21808), (556, 21829), (596, 21925), (597, 21928), (599, 21934), (623, 22003), (628, 22021), (630, 22030), (639, 22060), (681, 22156), (693, 22189), (698, 22204), (745, 22345), (760, 22402), (794, 22513), (840, 22666),

Gene: Iracema64_28 Start: 20138, Stop: 21916, Start Num: 108

Candidate Starts for Iracema64_28:

(Start: 90 @20114 has 8 MA's), (Start: 108 @20138 has 545 MA's), (Start: 146 @20195 has 1 MA's), (Start: 175 @20249 has 47 MA's), (179, 20264), (184, 20282), (227, 20366), (232, 20378), (233, 20381), (264, 20456), (Start: 268 @20471 has 11 MA's), (289, 20510), (338, 20627), (373, 20714), (412, 20795), (435, 20843), (449, 20867), (495, 20954), (522, 20999), (551, 21071), (556, 21092), (563, 21110), (628, 21284), (630, 21293), (637, 21317), (639, 21323), (647, 21347), (681, 21401), (689, 21422), (710, 21473), (719, 21497), (736, 21551), (760, 21647), (792, 21752), (795, 21767), (828, 21875), (833, 21893),

Gene: IrishSherpFalk_17 Start: 16164, Stop: 17873, Start Num: 87

Candidate Starts for IrishSherpFalk_17:

(Start: 87 @16164 has 207 MA's), (150, 16251), (Start: 175 @16296 has 47 MA's), (182, 16320), (230, 16425), (233, 16431), (242, 16449), (257, 16479), (300, 16584), (323, 16644), (338, 16665), (342, 16674), (352, 16698), (365, 16734), (368, 16740), (396, 16773), (398, 16776), (402, 16785), (408, 16800), (410, 16806), (420, 16824), (427, 16839), (429, 16845), (435, 16863), (436, 16866), (445, 16881), (455, 16896), (456, 16902), (474, 16950), (480, 16962), (484, 16968), (515, 17028), (522, 17040), (538, 17076), (541, 17088), (571, 17163), (573, 17172), (581, 17190), (584, 17196), (596, 17226), (667, 17331), (673, 17343), (687, 17379), (716, 17457), (751, 17577), (759, 17610), (768, 17640), (771, 17652), (776, 17670), (778, 17676), (779, 17679), (781, 17685), (792, 17700), (793, 17703), (798, 17724), (800, 17727), (817, 17769), (822, 17799), (833, 17841), (834, 17847),

Gene: IronMan_30 Start: 21747, Stop: 23519, Start Num: 108

Candidate Starts for IronMan_30:

(Start: 108 @21747 has 545 MA's), (Start: 183 @21882 has 1 MA's), (232, 21981), (233, 21984), (262, 22056), (264, 22059), (283, 22104), (306, 22170), (318, 22197), (338, 22230), (373, 22317), (413, 22401), (495, 22557), (515, 22590), (563, 22713), (592, 22779), (597, 22794), (637, 22920), (639, 22926), (669, 22974), (693, 23037), (698, 23052), (701, 23058), (710, 23076), (735, 23151), (760, 23250), (792, 23355), (794, 23361), (798, 23379), (809, 23406),

Gene: Isca_27 Start: 19841, Stop: 21640, Start Num: 108

Candidate Starts for Isca_27:

(Start: 108 @19841 has 545 MA's), (Start: 146 @19901 has 1 MA's), (179, 19970), (227, 20072), (232, 20084), (233, 20087), (264, 20162), (Start: 268 @20177 has 11 MA's), (269, 20180), (289, 20216), (347, 20351), (373, 20420), (430, 20534), (495, 20660), (549, 20774), (551, 20777), (556, 20798), (563, 20816), (597, 20897), (623, 20972), (628, 20990), (630, 20999), (639, 21029), (645, 21044), (653, 21068), (662, 21077), (680, 21122), (681, 21125), (689, 21146), (693, 21158), (760, 21371), (768, 21395), (792, 21476), (794, 21482), (833, 21617),

Gene: Isiphiwo_31 Start: 20047, Stop: 21819, Start Num: 108

Candidate Starts for Isiphiwo_31:

(Start: 108 @20047 has 545 MA's), (208, 20245), (233, 20284), (262, 20356), (264, 20359), (269, 20377), (289, 20413), (292, 20419), (338, 20530), (341, 20536), (373, 20617), (399, 20656), (412, 20698), (413, 20701), (441, 20761), (557, 20998), (563, 21013), (597, 21094), (639, 21226), (647, 21250), (698, 21352), (720, 21403), (724, 21412), (735, 21451), (736, 21454), (738, 21466), (760, 21550), (792, 21655), (794, 21661), (833, 21796),

Gene: Island3_19 Start: 16495, Stop: 18228, Start Num: 96

Candidate Starts for Island3_19:

(Start: 96 @16495 has 6 MA's), (159, 16594), (165, 16603), (190, 16669), (199, 16693), (232, 16753), (233, 16756), (247, 16783), (320, 16963), (337, 16987), (342, 16999), (352, 17023), (420, 17149), (427, 17164), (430, 17173), (448, 17209), (456, 17227), (480, 17287), (541, 17413), (564, 17479), (571, 17488), (573, 17497), (584, 17521), (671, 17665), (689, 17710), (727, 17812), (729, 17821), (734, 17839), (735, 17842), (776, 18001), (782, 18019), (792, 18055), (795, 18070), (815, 18118), (831, 18187),

Gene: Iwokeuplikedis_29 Start: 19935, Stop: 21707, Start Num: 108

Candidate Starts for Iwokeuplikedis_29:

(Start: 90 @19911 has 8 MA's), (Start: 108 @19935 has 545 MA's), (173, 20034), (Start: 183 @20070 has 1 MA's), (189, 20088), (232, 20169), (233, 20172), (262, 20244), (264, 20247), (289, 20301), (292, 20307), (318, 20385), (338, 20418), (373, 20505), (412, 20586), (413, 20589), (495, 20745), (513, 20775), (551, 20862), (592, 20967), (597, 20982), (639, 21114), (669, 21162), (693, 21225), (698, 21240), (701, 21246), (705, 21255), (724, 21300), (735, 21339), (738, 21354), (747, 21387), (792, 21543), (794, 21549), (809, 21594),

Gene: JAWS_23 Start: 17142, Stop: 18908, Start Num: 79

Candidate Starts for JAWS_23:

(Start: 79 @17142 has 139 MA's), (101, 17172), (184, 17331), (Start: 196 @17364 has 7 MA's), (210, 17394), (221, 17427), (227, 17439), (266, 17529), (288, 17571), (310, 17643), (315, 17652), (338, 17691), (356, 17736), (363, 17757), (365, 17760), (393, 17814), (399, 17832), (412, 17874), (418, 17880), (430, 17907), (515, 18045), (525, 18063), (541, 18105), (548, 18123), (558, 18153), (573, 18180), (612, 18285), (681, 18444), (694, 18480), (706, 18510), (718, 18519), (745, 18594), (759, 18645), (824, 18840), (834, 18879), (835, 18882), (843, 18900),

Gene: JC27_29 Start: 22002, Stop: 23804, Start Num: 109

Candidate Starts for JC27_29:

(Start: 109 @22002 has 207 MA's), (Start: 124 @22023 has 4 MA's), (Start: 146 @22065 has 1 MA's), (171, 22110), (264, 22326), (283, 22371), (289, 22380), (301, 22419), (321, 22470), (322, 22473), (413, 22668), (449, 22737), (549, 22938), (551, 22941), (556, 22962), (596, 23058), (597, 23061), (599, 23067), (623, 23136), (628, 23154), (639, 23193), (681, 23289), (693, 23322), (698, 23337), (745, 23478), (760, 23535), (794, 23646),

Gene: JCole_17 Start: 14749, Stop: 16458, Start Num: 195

Candidate Starts for JCole_17:

(140, 14614), (Start: 195 @14749 has 39 MA's), (244, 14866), (269, 14938), (270, 14941), (289, 14977), (301, 15016), (310, 15037), (359, 15139), (405, 15229), (406, 15232), (462, 15364), (487, 15418), (503, 15469), (516, 15499), (541, 15559), (546, 15571), (564, 15607), (574, 15646), (592, 15688), (604, 15724), (610, 15742), (614, 15757), (625, 15781), (647, 15853), (655, 15877), (701, 15985), (742, 16111), (746, 16126), (757, 16168), (785, 16261), (787, 16264), (797, 16312), (810, 16342), (817, 16360), (818, 16372), (827, 16411),

Gene: JF1_24 Start: 18622, Stop: 20409, Start Num: 79

Candidate Starts for JF1_24:

(Start: 62 @18583 has 1 MA's), (Start: 75 @18613 has 25 MA's), (Start: 78 @18619 has 41 MA's), (Start: 79 @18622 has 139 MA's), (Start: 99 @18637 has 4 MA's), (129, 18679), (154, 18727), (Start: 175 @18766 has 47 MA's), (179, 18781), (184, 18799), (Start: 196 @18832 has 7 MA's), (210, 18862), (227, 18907), (234, 18925), (266, 18997), (Start: 268 @19003 has 11 MA's), (283, 19033), (286, 19036), (306, 19099), (310, 19111), (373, 19246), (383, 19264), (395, 19294), (399, 19300), (405, 19318), (418, 19348), (434, 19387), (515, 19513), (542, 19576), (612, 19777), (630, 19831), (645, 19876), (668, 19921), (681, 19945), (693, 19978), (706, 20011), (742, 20083), (745, 20095), (759, 20146), (760, 20152), (798, 20254), (834, 20380), (843, 20401),

Gene: JF2_27 Start: 19592, Stop: 21391, Start Num: 108

Candidate Starts for JF2_27:

(Start: 108 @19592 has 545 MA's), (Start: 146 @19652 has 1 MA's), (179, 19721), (227, 19823), (232, 19835), (233, 19838), (264, 19913), (Start: 268 @19928 has 11 MA's), (269, 19931), (289, 19967), (347, 20102), (373, 20171), (430, 20285), (495, 20411), (549, 20525), (551, 20528), (556, 20549), (563, 20567), (597, 20648), (623, 20723), (628, 20741), (630, 20750), (637, 20774), (639, 20780), (645, 20795), (653, 20819), (662, 20828), (680, 20873), (681, 20876), (689, 20897), (693, 20909), (760, 21122), (768, 21146), (792, 21227), (794, 21233), (833, 21368),

Gene: JF4_27 Start: 19592, Stop: 21391, Start Num: 108

Candidate Starts for JF4_27:

(Start: 108 @19592 has 545 MA's), (Start: 146 @19652 has 1 MA's), (179, 19721), (227, 19823), (232, 19835), (233, 19838), (264, 19913), (Start: 268 @19928 has 11 MA's), (269, 19931), (289, 19967), (347, 20102), (373, 20171), (430, 20285), (495, 20411), (549, 20525), (551, 20528), (556, 20549), (563, 20567), (597, 20648), (623, 20723), (628, 20741), (630, 20750), (637, 20774), (639, 20780), (645, 20795), (653, 20819), (662, 20828), (680, 20873), (681, 20876), (689, 20897), (693, 20909), (760, 21122), (768, 21146), (792, 21227), (794, 21233), (833, 21368),

Gene: JHC117_29 Start: 20377, Stop: 22173, Start Num: 108

Candidate Starts for JHC117_29:

(Start: 108 @20377 has 545 MA's), (Start: 146 @20434 has 1 MA's), (154, 20449), (173, 20482), (179, 20503), (Start: 183 @20518 has 1 MA's), (227, 20605), (232, 20617), (233, 20620), (264, 20695), (Start: 268 @20710 has 11 MA's), (288, 20746), (373, 20953), (430, 21067), (449, 21106), (477, 21166), (495, 21193), (549, 21307), (556, 21331), (563, 21349), (597, 21430), (623, 21505), (628, 21523), (637, 21556), (639, 21562), (653, 21601), (680, 21655), (681, 21658), (689, 21679), (713, 21736), (760, 21904), (792, 22009), (794, 22015), (833, 22150),

Gene: JSwag_30 Start: 19079, Stop: 20866, Start Num: 108

Candidate Starts for JSwag_30:

(65, 19013), (Start: 90 @19055 has 8 MA's), (Start: 108 @19079 has 545 MA's), (184, 19217), (207, 19274), (233, 19316), (247, 19352), (264, 19391), (295, 19460), (301, 19484), (322, 19538), (399, 19688), (413, 19733), (430, 19763), (446, 19799), (468, 19850), (493, 19886), (522, 19934), (546, 19994), (596, 20123), (623, 20201), (698, 20402), (701, 20408), (736, 20504), (782, 20669), (815, 20768),

Gene: Jaan_31 Start: 22136, Stop: 23908, Start Num: 108

Candidate Starts for Jaan_31:

(Start: 90 @22112 has 8 MA's), (Start: 108 @22136 has 545 MA's), (Start: 183 @22271 has 1 MA's), (189, 22289), (232, 22370), (233, 22373), (262, 22445), (264, 22448), (306, 22559), (318, 22586), (338, 22619), (356, 22664), (373, 22706), (413, 22790), (495, 22946), (515, 22979), (592, 23168), (597, 23183), (637, 23309), (639, 23315), (693, 23426), (698, 23441), (701, 23447), (724, 23501), (735, 23540), (738, 23555), (760, 23639), (792, 23744), (794, 23750), (798, 23768), (809, 23795),

Gene: Jabiru_24 Start: 19026, Stop: 20825, Start Num: 108

Candidate Starts for Jabiru_24:

(Start: 108 @19026 has 545 MA's), (233, 19263), (264, 19338), (Start: 268 @19353 has 11 MA's), (288, 19389), (310, 19461), (318, 19476), (338, 19509), (339, 19512), (341, 19515), (430, 19710), (441, 19740), (446, 19746), (495, 19836), (522, 19881), (549, 19950), (563, 19992), (569, 20010), (596, 20070), (597, 20073), (628, 20166), (680, 20307), (693, 20343), (760, 20556), (791, 20658), (794, 20667), (833, 20802),

Gene: Jabith_28 Start: 20807, Stop: 22606, Start Num: 108

Candidate Starts for Jabith_28:

(65, 20741), (Start: 90 @20783 has 8 MA's), (Start: 108 @20807 has 545 MA's), (141, 20849), (184, 20945), (189, 20960), (232, 21041), (233, 21044), (264, 21119), (Start: 268 @21134 has 11 MA's), (289, 21173), (292, 21179), (306, 21230), (338, 21290), (341, 21296), (373, 21377), (413, 21461), (472, 21587), (485, 21605), (507, 21632), (563, 21773), (592, 21839), (596, 21851), (597, 21854), (662, 22043), (674, 22070), (678, 22079), (683, 22100), (685, 22103), (693, 22124), (698, 22139), (710, 22163), (735, 22238), (738, 22253), (760, 22337), (792, 22442), (794, 22448), (813, 22502), (840, 22601),

Gene: Jace_17 Start: 14739, Stop: 16253, Start Num: 217

Candidate Starts for Jace_17:

(Start: 77 @14448 has 1 MA's), (133, 14538), (164, 14598), (Start: 217 @14739 has 1 MA's), (236, 14781), (257, 14826), (274, 14880), (293, 14913), (311, 14964), (377, 15099), (395, 15120), (397, 15123), (405, 15144), (429, 15198), (431, 15204), (516, 15306), (523, 15318), (532, 15336), (551, 15390), (583, 15480), (623, 15594), (662, 15696), (713, 15807), (787, 16056), (811, 16137), (815, 16146), (825, 16194),

Gene: JackSparrow_28 Start: 21464, Stop: 23266, Start Num: 109

Candidate Starts for JackSparrow_28:

(Start: 109 @21464 has 207 MA's), (Start: 124 @21485 has 4 MA's), (Start: 146 @21527 has 1 MA's), (171, 21572), (264, 21788), (283, 21833), (289, 21842), (301, 21881), (321, 21932), (322, 21935), (413, 22130), (449, 22199), (549, 22400), (551, 22403), (556, 22424), (596, 22520), (597, 22523), (599, 22529), (623, 22598), (628, 22616), (630, 22625), (639, 22655), (681, 22751), (693, 22784), (698, 22799), (745, 22940), (760, 22997), (794, 23108),

Gene: JacoRen57_17 Start: 15449, Stop: 17296, Start Num: 59

Candidate Starts for JacoRen57_17:

(Start: 59 @15449 has 4 MA's), (135, 15563), (Start: 146 @15584 has 1 MA's), (Start: 175 @15638 has 47 MA's), (179, 15653), (Start: 197 @15707 has 1 MA's), (227, 15779), (283, 15905), (293, 15926), (305, 15968), (310, 15983), (321, 16004), (326, 16013), (351, 16058), (356, 16076), (357, 16079), (395, 16208), (399, 16214), (405, 16232), (418, 16262), (426, 16277), (454, 16337), (482, 16388), (513, 16424), (515, 16427), (565, 16556), (675, 16811), (709, 16901), (721, 16910), (742, 16967), (771, 17060), (795, 17129), (832, 17255), (834, 17264),

Gene: JalFarm20_18 Start: 15176, Stop: 16885, Start Num: 87

Candidate Starts for JalFarm20_18:

(Start: 87 @15176 has 207 MA's), (150, 15263), (Start: 175 @15308 has 47 MA's), (182, 15332), (230, 15437), (233, 15443), (242, 15461), (257, 15491), (300, 15596), (323, 15656), (338, 15677), (342, 15686), (352, 15710), (420, 15836), (427, 15851), (429, 15857), (445, 15893), (448, 15896), (455, 15908), (456, 15914), (474, 15962), (480, 15974), (484, 15980), (515, 16040), (522, 16052), (538, 16088), (541, 16100), (571, 16175), (573, 16184), (581, 16202), (584, 16208), (596, 16238), (667, 16343), (671, 16352), (673, 16355), (687, 16391), (716, 16469), (744, 16568), (751, 16589), (759, 16622), (768, 16652), (776, 16682), (779, 16691), (781, 16697), (792, 16712), (793, 16715), (800, 16739), (813, 16769), (817, 16781), (822, 16811), (833, 16853),

Gene: Jalammah_21 Start: 17444, Stop: 19090, Start Num: 175

Candidate Starts for Jalammah_21:

(156, 17408), (Start: 175 @17444 has 47 MA's), (213, 17546), (253, 17624), (254, 17627), (294, 17723), (304, 17762), (336, 17822), (345, 17843), (364, 17897), (370, 17912), (456, 18083), (466, 18113), (549, 18296), (556, 18320), (571, 18371), (604, 18464), (608, 18476), (626, 18521), (661, 18536), (712, 18668), (713, 18671), (742, 18770), (747, 18788), (760, 18839), (780, 18905), (808, 18968), (813, 18980),

Gene: James_16 Start: 14804, Stop: 16513, Start Num: 87

Candidate Starts for James_16:

(Start: 87 @14804 has 207 MA's), (150, 14891), (Start: 175 @14936 has 47 MA's), (182, 14960), (203, 15017), (230, 15065), (233, 15071), (242, 15089), (257, 15119), (300, 15224), (320, 15278), (323, 15284), (329, 15293), (342, 15314), (352, 15338), (365, 15374), (368, 15380), (396, 15413), (398, 15416), (402, 15425), (408, 15440), (410, 15446), (420, 15464), (427, 15479), (429, 15485), (435, 15503), (436, 15506), (445, 15521), (455, 15536), (456, 15542), (474, 15590), (480, 15602), (484, 15608), (515, 15668), (522, 15680), (538, 15716), (541, 15728), (571, 15803), (573, 15812), (581, 15830), (584, 15836), (596, 15866), (667, 15971), (673, 15983), (687, 16019), (716, 16097), (751, 16217), (759, 16250), (768, 16280), (771, 16292), (776, 16310), (778, 16316), (779, 16319), (781, 16325), (792, 16340), (793, 16343), (798, 16364), (800, 16367), (817, 16409), (822, 16439), (833, 16481), (834, 16487),

Gene: Jamie19_18 Start: 14993, Stop: 16702, Start Num: 91

Candidate Starts for Jamie19_18:

(Start: 91 @14993 has 42 MA's), (115, 15020), (136, 15059), (Start: 175 @15125 has 47 MA's), (178, 15137), (190, 15173), (199, 15197), (213, 15224), (227, 15245), (230, 15254), (233, 15260), (251, 15293), (320, 15467), (323, 15473), (329, 15482), (337, 15491), (342, 15503), (352, 15527), (368, 15569), (396, 15602), (420, 15653), (422, 15656), (427, 15668), (445, 15710), (455, 15725), (456, 15731), (474, 15779), (497, 15833), (515, 15857), (546, 15929), (564, 15983), (571, 15992), (573, 16001), (584, 16025), (595, 16052), (596, 16055), (667, 16160), (671, 16169), (687, 16208), (717, 16289), (735, 16346), (744, 16385), (776, 16499), (792, 16529), (793, 16532), (800, 16556), (815, 16592),

Gene: Jane_18 Start: 16640, Stop: 18403, Start Num: 75

Candidate Starts for Jane_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (154, 16739), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: JangDynasty_56 Start: 33561, Stop: 35297, Start Num: 74

Candidate Starts for JangDynasty_56:

(Start: 69 @33552 has 2 MA's), (Start: 74 @33561 has 26 MA's), (134, 33651), (187, 33768), (203, 33804), (214, 33825), (230, 33852), (233, 33858), (249, 33888), (261, 33912), (281, 33963), (342, 34101), (344, 34107), (363, 34158), (365, 34161), (374, 34179), (420, 34230), (429, 34251), (430, 34254), (455, 34302), (456, 34308), (474, 34356), (477, 34362), (480, 34368), (504, 34428), (515, 34452), (517, 34455), (538, 34500), (542, 34515), (546, 34524), (549, 34533), (564, 34578), (573, 34596), (589, 34629), (673, 34767), (680, 34788), (706, 34854), (717, 34884), (734, 34938), (744, 34980), (751, 35001), (755, 35022), (759, 35034), (765, 35055), (781, 35109), (815, 35187), (822, 35223), (827, 35244), (834, 35271),

Gene: Jarcob_16 Start: 14812, Stop: 16521, Start Num: 87

Candidate Starts for Jarcob_16:

(Start: 87 @14812 has 207 MA's), (150, 14899), (Start: 175 @14944 has 47 MA's), (182, 14968), (230, 15073), (233, 15079), (242, 15097), (257, 15127), (300, 15232), (320, 15286), (323, 15292), (329, 15301), (342, 15322), (352, 15346), (365, 15382), (368, 15388), (396, 15421), (398, 15424), (402, 15433), (408, 15448), (410, 15454), (420, 15472), (427, 15487), (429, 15493), (435, 15511), (436, 15514), (445, 15529), (455, 15544), (456, 15550), (474, 15598), (480, 15610), (484, 15616), (515, 15676), (522, 15688), (538, 15724), (541, 15736), (571, 15811), (573, 15820), (581, 15838), (584, 15844), (596, 15874), (667, 15979), (673, 15991), (687, 16027), (716, 16105), (751, 16225), (759, 16258), (768, 16288), (771, 16300), (776, 16318), (778, 16324), (779, 16327), (781, 16333), (792, 16348), (793, 16351), (798, 16372), (800, 16375), (817, 16417), (822, 16447), (833, 16489), (834, 16495),

Gene: Jarvi_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Jarvi_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: Jasper_28 Start: 20943, Stop: 22745, Start Num: 109

Candidate Starts for Jasper_28:

(Start: 109 @20943 has 207 MA's), (Start: 124 @20964 has 4 MA's), (Start: 146 @21006 has 1 MA's), (171, 21051), (264, 21267), (283, 21312), (289, 21321), (301, 21360), (321, 21411), (322, 21414), (413, 21609), (449, 21678), (549, 21879), (551, 21882), (556, 21903), (596, 21999), (597, 22002), (599, 22008), (623, 22077), (628, 22095), (630, 22104), (639, 22134), (681, 22230), (693, 22263), (698, 22278), (745, 22419), (760, 22476), (794, 22587),

Gene: JasperJr_19 Start: 16654, Stop: 18300, Start Num: 175

Candidate Starts for JasperJr_19:

(156, 16618), (Start: 175 @16654 has 47 MA's), (213, 16756), (253, 16834), (254, 16837), (294, 16933), (304, 16972), (345, 17053), (364, 17107), (370, 17122), (456, 17293), (466, 17323), (549, 17506), (556, 17530), (557, 17533), (571, 17581), (604, 17674), (608, 17686), (626, 17731), (661, 17746), (712, 17878), (713, 17881), (742, 17980), (747, 17998), (760, 18049), (780, 18115), (808, 18178), (813, 18190),

Gene: Jayhawk_23 Start: 17155, Stop: 18921, Start Num: 79

Candidate Starts for Jayhawk_23:

(Start: 79 @17155 has 139 MA's), (101, 17185), (184, 17344), (Start: 196 @17377 has 7 MA's), (210, 17407), (221, 17440), (227, 17452), (266, 17542), (288, 17584), (310, 17656), (315, 17665), (338, 17704), (356, 17749), (363, 17770), (365, 17773), (393, 17827), (399, 17845), (412, 17887), (418, 17893), (430, 17920), (515, 18058), (525, 18076), (541, 18118), (548, 18136), (558, 18166), (573, 18193), (612, 18298), (681, 18457), (694, 18493), (706, 18523), (718, 18532), (745, 18607), (759, 18658), (795, 18757), (824, 18853), (834, 18892), (835, 18895), (843, 18913),

Gene: Jaykayelowell_27 Start: 19823, Stop: 21601, Start Num: 108

Candidate Starts for Jaykayelowell_27:

(Start: 90 @19799 has 8 MA's), (Start: 108 @19823 has 545 MA's), (Start: 146 @19880 has 1 MA's), (Start: 175 @19934 has 47 MA's), (179, 19949), (184, 19967), (227, 20051), (232, 20063), (233, 20066), (264, 20141), (Start: 268 @20156 has 11 MA's), (289, 20195), (338, 20312), (373, 20399), (412, 20480), (435, 20528), (449, 20552), (495, 20639), (522, 20684), (551, 20756), (556, 20777),

(563, 20795), (597, 20876), (628, 20969), (630, 20978), (637, 21002), (639, 21008), (647, 21032), (681, 21086), (689, 21107), (710, 21158), (719, 21182), (736, 21236), (760, 21332), (792, 21437), (795, 21452), (828, 21560), (833, 21578),

Gene: JeTaime_26 Start: 20631, Stop: 22226, Start Num: 147

Candidate Starts for JeTaime_26:

(Start: 94 @20547 has 79 MA's), (Start: 147 @20631 has 45 MA's), (Start: 183 @20709 has 1 MA's), (227, 20796), (233, 20811), (257, 20859), (271, 20898), (306, 20985), (321, 21018), (342, 21054), (354, 21084), (356, 21090), (400, 21159), (424, 21189), (428, 21201), (429, 21204), (456, 21261), (517, 21393), (520, 21399), (547, 21465), (549, 21471), (556, 21495), (573, 21543), (584, 21567), (589, 21576), (616, 21651), (671, 21702), (678, 21717), (736, 21879), (742, 21906), (751, 21936), (780, 22041), (815, 22119), (822, 22155), (824, 22164), (833, 22197), (838, 22212),

Gene: Jebeks_19 Start: 16370, Stop: 18106, Start Num: 82

Candidate Starts for Jebeks_19:

(Start: 71 @16346 has 2 MA's), (Start: 82 @16370 has 44 MA's), (128, 16430), (136, 16451), (138, 16454), (Start: 195 @16574 has 39 MA's), (213, 16613), (232, 16646), (244, 16670), (296, 16790), (306, 16829), (309, 16835), (351, 16919), (352, 16925), (356, 16937), (365, 16961), (379, 16988), (400, 17006), (417, 17045), (420, 17051), (430, 17075), (456, 17129), (461, 17141), (463, 17150), (490, 17210), (526, 17288), (541, 17327), (554, 17360), (573, 17426), (578, 17441), (584, 17450), (594, 17474), (605, 17504), (610, 17516), (682, 17618), (689, 17630), (691, 17633), (692, 17639), (695, 17648), (734, 17756), (755, 17840), (787, 17939), (824, 18047), (838, 18095),

Gene: Jeckyll_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Jeckyll_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: Jeeves_28 Start: 19427, Stop: 21226, Start Num: 108

Candidate Starts for Jeeves_28:

(Start: 105 @19424 has 8 MA's), (Start: 108 @19427 has 545 MA's), (Start: 183 @19562 has 1 MA's), (211, 19631), (233, 19664), (244, 19694), (262, 19736), (264, 19739), (292, 19799), (338, 19910), (356, 19955), (359, 19964), (373, 19997), (410, 20072), (412, 20078), (413, 20081), (441, 20141), (500, 20243), (515, 20270), (540, 20330), (551, 20354), (563, 20393), (597, 20474), (665, 20672), (698, 20759), (701, 20765), (735, 20858), (738, 20873), (792, 21062), (794, 21068),

Gene: Jeffabunny_31 Start: 19997, Stop: 21769, Start Num: 108

Candidate Starts for Jeffabunny_31:

(65, 19931), (Start: 90 @19973 has 8 MA's), (Start: 108 @19997 has 545 MA's), (233, 20234), (262, 20306), (264, 20309), (Start: 268 @20324 has 11 MA's), (289, 20363), (292, 20369), (338, 20480), (341, 20486), (356, 20525), (373, 20567), (399, 20606), (412, 20648), (413, 20651), (495, 20807), (557, 20948), (563, 20963), (639, 21176), (689, 21275), (698, 21302), (720, 21353), (724, 21362), (735, 21401), (738, 21416), (760, 21500), (792, 21605), (794, 21611), (833, 21746),

Gene: JenCasNa_29 Start: 20378, Stop: 22174, Start Num: 108

Candidate Starts for JenCasNa_29:

(Start: 108 @20378 has 545 MA's), (Start: 146 @20435 has 1 MA's), (154, 20450), (173, 20483), (179, 20504), (Start: 183 @20519 has 1 MA's), (227, 20606), (232, 20618), (233, 20621), (264, 20696), (Start: 268 @20711 has 11 MA's), (288, 20747), (373, 20954), (430, 21068), (449, 21107), (495,

21194), (549, 21308), (556, 21332), (563, 21350), (597, 21431), (623, 21506), (628, 21524), (637, 21557), (639, 21563), (653, 21602), (680, 21656), (681, 21659), (689, 21680), (713, 21737), (727, 21779), (760, 21905), (792, 22010), (794, 22016), (833, 22151),

Gene: JeppNRM_30 Start: 20458, Stop: 22254, Start Num: 108

Candidate Starts for JeppNRM_30:

(Start: 108 @20458 has 545 MA's), (Start: 146 @20515 has 1 MA's), (154, 20530), (179, 20584), (Start: 183 @20599 has 1 MA's), (227, 20686), (232, 20698), (233, 20701), (264, 20776), (Start: 268 @20791 has 11 MA's), (373, 21034), (449, 21187), (495, 21274), (549, 21388), (556, 21412), (559, 21424), (563, 21430), (597, 21511), (623, 21586), (628, 21604), (630, 21613), (637, 21637), (639, 21643), (653, 21682), (680, 21736), (681, 21739), (689, 21760), (760, 21985), (792, 22090), (794, 22096), (833, 22231),

Gene: Jerm_30 Start: 20633, Stop: 22405, Start Num: 108

Candidate Starts for Jerm_30:

(Start: 90 @20609 has 8 MA's), (Start: 108 @20633 has 545 MA's), (173, 20732), (202, 20816), (232, 20867), (233, 20870), (262, 20942), (264, 20945), (289, 20999), (301, 21038), (338, 21116), (373, 21203), (412, 21284), (413, 21287), (513, 21473), (551, 21560), (592, 21665), (597, 21680), (637, 21806), (639, 21812), (669, 21860), (698, 21938), (701, 21944), (724, 21998), (735, 22037), (738, 22052), (760, 22136), (794, 22247),

Gene: Jerm2_28 Start: 21333, Stop: 23135, Start Num: 109

Candidate Starts for Jerm2_28:

(Start: 109 @21333 has 207 MA's), (Start: 124 @21354 has 4 MA's), (Start: 146 @21396 has 1 MA's), (171, 21441), (264, 21657), (283, 21702), (289, 21711), (301, 21750), (321, 21801), (322, 21804), (413, 21999), (449, 22068), (549, 22269), (551, 22272), (556, 22293), (596, 22389), (597, 22392), (599, 22398), (623, 22467), (628, 22485), (630, 22494), (639, 22524), (681, 22620), (693, 22653), (698, 22668), (745, 22809), (760, 22866), (794, 22977),

Gene: Jester_23 Start: 16278, Stop: 17918, Start Num: 120

Candidate Starts for Jester_23:

(Start: 120 @16278 has 4 MA's), (Start: 130 @16293 has 32 MA's), (153, 16335), (169, 16362), (181, 16398), (244, 16539), (264, 16584), (313, 16713), (338, 16755), (347, 16773), (351, 16782), (358, 16806), (365, 16824), (392, 16854), (395, 16869), (397, 16872), (410, 16911), (413, 16920), (456, 17004), (513, 17058), (522, 17073), (540, 17121), (551, 17145), (596, 17259), (623, 17337), (633, 17376), (637, 17388), (640, 17397), (669, 17418), (698, 17496), (757, 17643), (788, 17742), (792, 17757), (838, 17910),

Gene: JetBlade_27 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for JetBlade_27:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (736, 21237), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: JewelBug_31 Start: 19981, Stop: 21753, Start Num: 108

Candidate Starts for JewelBug_31:

(65, 19915), (Start: 90 @19957 has 8 MA's), (Start: 108 @19981 has 545 MA's), (184, 20119), (208, 20179), (233, 20218), (262, 20290), (264, 20293), (269, 20311), (289, 20347), (292, 20353), (338, 20464), (341, 20470), (356, 20509), (373, 20551), (399, 20590), (412, 20632), (413, 20635), (441,

20695), (557, 20932), (563, 20947), (597, 21028), (627, 21115), (639, 21160), (698, 21286), (720, 21337), (724, 21346), (735, 21385), (736, 21388), (738, 21400), (760, 21484), (792, 21589), (794, 21595), (833, 21730),

Gene: Jiawan_29 Start: 21785, Stop: 23575, Start Num: 108

Candidate Starts for Jiawan_29:

(Start: 105 @21782 has 8 MA's), (Start: 108 @21785 has 545 MA's), (232, 22019), (233, 22022), (262, 22094), (264, 22097), (Start: 268 @22112 has 11 MA's), (289, 22151), (292, 22157), (338, 22268), (373, 22355), (412, 22436), (413, 22439), (513, 22625), (540, 22688), (551, 22712), (553, 22718), (563, 22751), (597, 22832), (637, 22958), (651, 23000), (681, 23060), (693, 23093), (698, 23108), (735, 23207), (736, 23210), (738, 23222), (760, 23306), (780, 23372), (792, 23411), (794, 23417), (809, 23462), (824, 23519), (825, 23522),

Gene: Jifall16_40 Start: 30479, Stop: 32092, Start Num: 194

Candidate Starts for Jifall16_40:

(Start: 194 @30479 has 87 MA's), (Start: 209 @30515 has 1 MA's), (216, 30533), (243, 30593), (351, 30833), (353, 30845), (359, 30860), (401, 30926), (405, 30941), (419, 30965), (421, 30968), (457, 31052), (469, 31082), (470, 31085), (499, 31142), (519, 31190), (521, 31193), (532, 31214), (570, 31319), (592, 31364), (604, 31406), (669, 31580), (681, 31610), (683, 31616), (729, 31724), (730, 31727), (751, 31802), (822, 32021), (838, 32078),

Gene: Jinglebell_15 Start: 15041, Stop: 16750, Start Num: 87

Candidate Starts for Jinglebell_15:

(Start: 87 @15041 has 207 MA's), (150, 15128), (161, 15149), (Start: 175 @15173 has 47 MA's), (182, 15197), (187, 15218), (230, 15302), (233, 15308), (242, 15326), (257, 15356), (300, 15461), (320, 15515), (323, 15521), (337, 15539), (338, 15542), (342, 15551), (352, 15575), (396, 15650), (402, 15662), (408, 15677), (410, 15683), (420, 15701), (427, 15716), (429, 15722), (438, 15749), (445, 15758), (455, 15773), (456, 15779), (474, 15827), (480, 15839), (484, 15845), (515, 15905), (522, 15917), (538, 15953), (541, 15965), (549, 15986), (571, 16040), (573, 16049), (581, 16067), (584, 16073), (596, 16103), (667, 16208), (671, 16217), (673, 16220), (687, 16256), (701, 16295), (716, 16334), (751, 16454), (759, 16487), (768, 16517), (776, 16547), (779, 16556), (781, 16562), (792, 16577), (793, 16580), (798, 16601), (800, 16604), (815, 16640), (817, 16646), (822, 16676), (833, 16718),

Gene: Job42_19 Start: 16488, Stop: 18197, Start Num: 87

Candidate Starts for Job42_19:

(Start: 87 @16488 has 207 MA's), (150, 16575), (Start: 175 @16620 has 47 MA's), (182, 16644), (230, 16749), (233, 16755), (242, 16773), (257, 16803), (300, 16908), (323, 16968), (338, 16989), (342, 16998), (352, 17022), (420, 17148), (427, 17163), (429, 17169), (445, 17205), (448, 17208), (455, 17220), (456, 17226), (474, 17274), (480, 17286), (484, 17292), (515, 17352), (522, 17364), (538, 17400), (541, 17412), (571, 17487), (573, 17496), (581, 17514), (584, 17520), (596, 17550), (667, 17655), (671, 17664), (673, 17667), (687, 17703), (716, 17781), (744, 17880), (751, 17901), (759, 17934), (768, 17964), (776, 17994), (779, 18003), (781, 18009), (792, 18024), (793, 18027), (798, 18048), (800, 18051), (813, 18081), (817, 18093), (833, 18165),

Gene: Jobu08_29 Start: 20451, Stop: 22247, Start Num: 108

Candidate Starts for Jobu08_29:

(Start: 108 @20451 has 545 MA's), (Start: 146 @20508 has 1 MA's), (154, 20523), (173, 20556), (179, 20577), (Start: 183 @20592 has 1 MA's), (227, 20679), (232, 20691), (233, 20694), (264, 20769), (Start: 268 @20784 has 11 MA's), (288, 20820), (373, 21027), (449, 21180), (495, 21267), (549, 21381), (556, 21405), (563, 21423), (597, 21504), (623, 21579), (628, 21597), (637, 21630), (639, 21636), (653, 21675), (680, 21729), (681, 21732), (689, 21753), (713, 21810), (760, 21978), (792, 22083), (794, 22089), (833, 22224),

Gene: JoeyJr_16 Start: 14976, Stop: 16685, Start Num: 87

Candidate Starts for JoeyJr_16:

(Start: 87 @14976 has 207 MA's), (150, 15063), (Start: 175 @15108 has 47 MA's), (182, 15132), (230, 15237), (233, 15243), (242, 15261), (257, 15291), (300, 15396), (323, 15456), (338, 15477), (342, 15486), (352, 15510), (420, 15636), (427, 15651), (429, 15657), (445, 15693), (448, 15696), (455, 15708), (456, 15714), (474, 15762), (480, 15774), (484, 15780), (515, 15840), (522, 15852), (538, 15888), (541, 15900), (571, 15975), (573, 15984), (581, 16002), (584, 16008), (596, 16038), (667, 16143), (671, 16152), (673, 16155), (687, 16191), (716, 16269), (744, 16368), (751, 16389), (759, 16422), (768, 16452), (776, 16482), (779, 16491), (781, 16497), (792, 16512), (793, 16515), (798, 16536), (800, 16539), (817, 16581), (822, 16611), (833, 16653),

Gene: Jojo24_18 Start: 14985, Stop: 16601, Start Num: 117

Candidate Starts for Jojo24_18:

(Start: 117 @14985 has 11 MA's), (173, 15084), (180, 15108), (232, 15219), (233, 15222), (241, 15240), (244, 15249), (270, 15315), (277, 15330), (284, 15339), (287, 15345), (319, 15435), (350, 15489), (352, 15498), (429, 15588), (477, 15699), (512, 15771), (515, 15777), (520, 15786), (529, 15804), (561, 15894), (571, 15909), (605, 15993), (610, 16008), (615, 16026), (622, 16038), (681, 16104), (700, 16152), (704, 16164), (711, 16176), (717, 16197), (722, 16209), (727, 16224), (736, 16254), (744, 16290), (795, 16443), (809, 16479), (825, 16542), (831, 16563), (838, 16587), (841, 16593),

Gene: Jolene_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Jolene_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Jolie2_18 Start: 15988, Stop: 17715, Start Num: 105

Candidate Starts for Jolie2_18:

(Start: 97 @15976 has 44 MA's), (101, 15982), (Start: 105 @15988 has 8 MA's), (154, 16066), (179, 16120), (Start: 196 @16171 has 7 MA's), (210, 16201), (219, 16225), (255, 16303), (264, 16327), (283, 16372), (321, 16471), (392, 16627), (399, 16648), (403, 16657), (412, 16690), (418, 16696), (434, 16735), (452, 16765), (515, 16861), (573, 17002), (597, 17059), (612, 17107), (623, 17134), (636, 17182), (637, 17185), (653, 17224), (728, 17350), (751, 17422), (795, 17554), (825, 17653), (836, 17695),

Gene: JonJames_47 Start: 32980, Stop: 34674, Start Num: 106

Candidate Starts for JonJames_47:

(Start: 106 @32980 has 2 MA's), (144, 33046), (Start: 147 @33052 has 45 MA's), (176, 33109), (244, 33268), (251, 33280), (301, 33406), (319, 33454), (427, 33604), (453, 33655), (456, 33667), (458, 33673), (522, 33814), (529, 33829), (587, 33988), (625, 34096), (711, 34225), (713, 34231), (715, 34240), (736, 34303), (745, 34342), (748, 34351), (760, 34399), (783, 34474), (812, 34534), (823, 34582), (830, 34609), (832, 34618), (833, 34621),

Gene: Jonghyun_18 Start: 16640, Stop: 18403, Start Num: 75

Candidate Starts for Jonghyun_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321),

(418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: JoongJeon_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for JoongJeon_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: JorRay_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for JorRay_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Jordennis_31 Start: 19942, Stop: 21738, Start Num: 90

Candidate Starts for Jordennis_31:

(65, 19900), (Start: 90 @19942 has 8 MA's), (Start: 108 @19966 has 545 MA's), (208, 20164), (233, 20203), (262, 20275), (264, 20278), (269, 20296), (289, 20332), (292, 20338), (338, 20449), (341, 20455), (373, 20536), (399, 20575), (412, 20617), (413, 20620), (441, 20680), (557, 20917), (563, 20932), (597, 21013), (627, 21100), (639, 21145), (698, 21271), (720, 21322), (724, 21331), (735, 21370), (736, 21373), (738, 21385), (760, 21469), (792, 21574), (794, 21580), (833, 21715),

Gene: Jorgensen_27 Start: 20997, Stop: 22799, Start Num: 109

Candidate Starts for Jorgensen_27:

(Start: 109 @20997 has 207 MA's), (Start: 124 @21018 has 4 MA's), (Start: 146 @21060 has 1 MA's), (171, 21105), (264, 21321), (283, 21366), (289, 21375), (301, 21414), (321, 21465), (322, 21468), (413, 21663), (449, 21732), (549, 21933), (551, 21936), (556, 21957), (596, 22053), (597, 22056), (599, 22062), (623, 22131), (628, 22149), (630, 22158), (639, 22188), (681, 22284), (693, 22317), (698, 22332), (745, 22473), (760, 22530), (794, 22641),

Gene: Joselito_28 Start: 20755, Stop: 22554, Start Num: 108

Candidate Starts for Joselito_28:

(65, 20689), (Start: 90 @20731 has 8 MA's), (Start: 108 @20755 has 545 MA's), (141, 20797), (184, 20893), (189, 20908), (232, 20989), (233, 20992), (264, 21067), (Start: 268 @21082 has 11 MA's), (289, 21121), (292, 21127), (306, 21178), (338, 21238), (341, 21244), (373, 21325), (413, 21409), (472, 21535), (485, 21553), (507, 21580), (563, 21721), (592, 21787), (596, 21799), (597, 21802), (662, 21991), (674, 22018), (678, 22027), (683, 22048), (685, 22051), (693, 22072), (698, 22087), (710, 22111), (735, 22186), (738, 22201), (760, 22285), (792, 22390), (794, 22396), (813, 22450), (840, 22549),

Gene: JoshKayV_30 Start: 20603, Stop: 22375, Start Num: 108

Candidate Starts for JoshKayV_30:

(Start: 90 @20579 has 8 MA's), (Start: 108 @20603 has 545 MA's), (173, 20702), (202, 20786), (232, 20837), (233, 20840), (262, 20912), (264, 20915), (289, 20969), (301, 21008), (338, 21086), (373,

21173), (412, 21254), (413, 21257), (551, 21530), (592, 21635), (597, 21650), (637, 21776), (639, 21782), (669, 21830), (674, 21839), (681, 21860), (693, 21893), (698, 21908), (701, 21914), (724, 21968), (735, 22007), (738, 22022), (760, 22106), (794, 22217),

Gene: Journey_18 Start: 14989, Stop: 16698, Start Num: 91

Candidate Starts for Journey_18:

(Start: 91 @14989 has 42 MA's), (115, 15016), (Start: 175 @15121 has 47 MA's), (178, 15133), (190, 15169), (213, 15220), (230, 15250), (233, 15256), (247, 15283), (251, 15289), (300, 15409), (320, 15463), (323, 15469), (337, 15487), (342, 15499), (343, 15502), (352, 15523), (368, 15565), (396, 15598), (420, 15649), (427, 15664), (445, 15706), (455, 15721), (456, 15727), (474, 15775), (486, 15799), (497, 15829), (515, 15853), (541, 15913), (546, 15925), (564, 15979), (571, 15988), (595, 16048), (596, 16051), (667, 16156), (671, 16165), (687, 16204), (735, 16342), (775, 16492), (776, 16495), (779, 16504), (792, 16525), (800, 16552), (815, 16588), (838, 16681),

Gene: Journey13_26 Start: 19324, Stop: 21123, Start Num: 108

Candidate Starts for Journey13_26:

(65, 19258), (Start: 90 @19300 has 8 MA's), (Start: 108 @19324 has 545 MA's), (173, 19423), (184, 19462), (232, 19558), (233, 19561), (262, 19633), (264, 19636), (Start: 268 @19651 has 11 MA's), (289, 19690), (292, 19696), (338, 19807), (341, 19813), (347, 19825), (373, 19894), (405, 19951), (412, 19975), (413, 19978), (472, 20104), (500, 20140), (563, 20290), (592, 20356), (597, 20371), (636, 20494), (662, 20560), (674, 20587), (681, 20608), (683, 20617), (693, 20641), (698, 20656), (710, 20680), (735, 20755), (738, 20770), (792, 20959), (794, 20965), (809, 21010),

Gene: Jovo_24 Start: 19845, Stop: 21644, Start Num: 108

Candidate Starts for Jovo_24:

(Start: 108 @19845 has 545 MA's), (184, 19983), (233, 20082), (264, 20157), (288, 20208), (310, 20280), (318, 20295), (338, 20328), (341, 20334), (389, 20427), (430, 20529), (441, 20559), (446, 20565), (495, 20655), (513, 20685), (545, 20757), (549, 20769), (551, 20772), (563, 20811), (569, 20829), (596, 20889), (597, 20892), (613, 20943), (628, 20985), (680, 21126), (695, 21168), (794, 21486), (833, 21621),

Gene: Joy99_23 Start: 17117, Stop: 18883, Start Num: 79

Candidate Starts for Joy99_23:

(Start: 79 @17117 has 139 MA's), (101, 17147), (184, 17306), (Start: 196 @17339 has 7 MA's), (210, 17369), (221, 17402), (227, 17414), (266, 17504), (288, 17546), (310, 17618), (315, 17627), (338, 17666), (356, 17711), (363, 17732), (365, 17735), (393, 17789), (399, 17807), (412, 17849), (418, 17855), (430, 17882), (515, 18020), (525, 18038), (541, 18080), (548, 18098), (558, 18128), (573, 18155), (612, 18260), (681, 18419), (694, 18455), (706, 18485), (718, 18494), (745, 18569), (759, 18620), (824, 18815), (834, 18854), (835, 18857), (843, 18875),

Gene: Jsquared_27 Start: 19089, Stop: 20879, Start Num: 108

Candidate Starts for Jsquared_27:

(65, 19023), (Start: 90 @19065 has 8 MA's), (Start: 108 @19089 has 545 MA's), (184, 19227), (189, 19242), (232, 19323), (233, 19326), (262, 19398), (264, 19401), (289, 19455), (292, 19461), (297, 19479), (318, 19539), (338, 19572), (341, 19578), (356, 19617), (373, 19659), (412, 19740), (413, 19743), (441, 19803), (495, 19899), (513, 19929), (549, 20013), (563, 20055), (583, 20106), (597, 20136), (637, 20262), (665, 20325), (693, 20397), (698, 20412), (710, 20436), (735, 20511), (738, 20526), (760, 20610), (792, 20715), (794, 20721), (798, 20739), (809, 20766), (813, 20775),

Gene: JuJu_19 Start: 16575, Stop: 18221, Start Num: 175

Candidate Starts for JuJu_19:

(156, 16539), (Start: 175 @16575 has 47 MA's), (213, 16677), (253, 16755), (294, 16854), (304, 16893), (345, 16974), (364, 17028), (370, 17043), (422, 17139), (456, 17214), (466, 17244), (549,

17427), (556, 17451), (604, 17595), (608, 17607), (626, 17652), (661, 17667), (712, 17799), (713, 17802), (742, 17901), (747, 17919), (778, 18030), (780, 18036), (808, 18099), (813, 18111),

Gene: Juice456_18 Start: 15928, Stop: 17637, Start Num: 87

Candidate Starts for Juice456_18:

(Start: 87 @15928 has 207 MA's), (150, 16015), (Start: 175 @16060 has 47 MA's), (182, 16084), (230, 16189), (233, 16195), (242, 16213), (257, 16243), (300, 16348), (302, 16354), (323, 16408), (329, 16417), (338, 16429), (342, 16438), (352, 16462), (402, 16549), (408, 16564), (420, 16588), (427, 16603), (429, 16609), (445, 16645), (448, 16648), (455, 16660), (456, 16666), (474, 16714), (480, 16726), (484, 16732), (515, 16792), (522, 16804), (538, 16840), (541, 16852), (549, 16873), (571, 16927), (573, 16936), (581, 16954), (584, 16960), (596, 16990), (667, 17095), (671, 17104), (673, 17107), (687, 17143), (713, 17209), (716, 17221), (744, 17320), (751, 17341), (759, 17374), (768, 17404), (776, 17434), (779, 17443), (781, 17449), (792, 17464), (793, 17467), (800, 17491), (813, 17521), (817, 17533), (822, 17563), (833, 17605),

Gene: JuliaChild_29 Start: 21585, Stop: 23387, Start Num: 109

Candidate Starts for JuliaChild_29:

(Start: 109 @21585 has 207 MA's), (Start: 124 @21606 has 4 MA's), (Start: 146 @21648 has 1 MA's), (171, 21693), (264, 21909), (283, 21954), (289, 21963), (301, 22002), (321, 22053), (322, 22056), (413, 22251), (449, 22320), (549, 22521), (551, 22524), (556, 22545), (596, 22641), (597, 22644), (599, 22650), (623, 22719), (628, 22737), (630, 22746), (639, 22776), (681, 22872), (693, 22905), (698, 22920), (745, 23061), (760, 23118), (794, 23229),

Gene: Juliette_24 Start: 18520, Stop: 20310, Start Num: 78

Candidate Starts for Juliette_24:

(Start: 62 @18484 has 1 MA's), (Start: 75 @18514 has 25 MA's), (Start: 78 @18520 has 41 MA's), (Start: 79 @18523 has 139 MA's), (Start: 99 @18538 has 4 MA's), (129, 18580), (154, 18628), (Start: 175 @18667 has 47 MA's), (179, 18682), (184, 18700), (Start: 196 @18733 has 7 MA's), (210, 18763), (227, 18808), (234, 18826), (266, 18898), (Start: 268 @18904 has 11 MA's), (283, 18934), (286, 18937), (306, 19000), (310, 19012), (373, 19147), (383, 19165), (395, 19195), (399, 19201), (405, 19219), (418, 19249), (434, 19288), (515, 19414), (542, 19477), (612, 19678), (630, 19732), (645, 19777), (668, 19822), (681, 19846), (693, 19879), (706, 19912), (742, 19984), (745, 19996), (759, 20047), (760, 20053), (798, 20155), (834, 20281), (843, 20302),

Gene: Jung_19 Start: 16311, Stop: 18047, Start Num: 82

Candidate Starts for Jung_19:

(Start: 71 @16287 has 2 MA's), (Start: 82 @16311 has 44 MA's), (128, 16371), (136, 16392), (138, 16395), (Start: 195 @16515 has 39 MA's), (213, 16554), (232, 16587), (244, 16611), (296, 16731), (306, 16770), (309, 16776), (351, 16860), (352, 16866), (356, 16878), (365, 16902), (379, 16929), (400, 16947), (417, 16986), (420, 16992), (430, 17016), (456, 17070), (461, 17082), (463, 17091), (490, 17151), (526, 17229), (541, 17268), (554, 17301), (573, 17367), (584, 17391), (594, 17415), (605, 17445), (682, 17559), (689, 17571), (691, 17574), (692, 17580), (695, 17589), (734, 17697), (755, 17781), (787, 17880), (824, 17988), (838, 18036),

Gene: Juniormint_19 Start: 16411, Stop: 18147, Start Num: 82

Candidate Starts for Juniormint_19:

(Start: 71 @16387 has 2 MA's), (Start: 82 @16411 has 44 MA's), (128, 16471), (136, 16492), (138, 16495), (Start: 195 @16615 has 39 MA's), (213, 16654), (232, 16687), (244, 16711), (296, 16831), (306, 16870), (309, 16876), (351, 16960), (352, 16966), (356, 16978), (365, 17002), (379, 17029), (400, 17047), (417, 17086), (420, 17092), (430, 17116), (456, 17170), (461, 17182), (463, 17191), (490, 17251), (526, 17329), (541, 17368), (554, 17401), (573, 17467), (578, 17482), (584, 17491), (594, 17515), (605, 17545), (610, 17557), (682, 17659), (689, 17671), (691, 17674), (692, 17680), (695, 17689), (734, 17797), (755, 17881), (787, 17980), (824, 18088), (838, 18136),

Gene: Juniper1_16 Start: 14801, Stop: 16510, Start Num: 87

Candidate Starts for Juniper1_16:

(Start: 87 @14801 has 207 MA's), (150, 14888), (161, 14909), (Start: 175 @14933 has 47 MA's), (182, 14957), (187, 14978), (230, 15062), (233, 15068), (242, 15086), (257, 15116), (290, 15188), (300, 15221), (320, 15275), (323, 15281), (337, 15299), (338, 15302), (342, 15311), (352, 15335), (368, 15377), (396, 15410), (402, 15422), (408, 15437), (410, 15443), (420, 15461), (427, 15476), (429, 15482), (445, 15518), (448, 15521), (455, 15533), (456, 15539), (474, 15587), (480, 15599), (484, 15605), (515, 15665), (522, 15677), (538, 15713), (541, 15725), (549, 15746), (571, 15800), (573, 15809), (581, 15827), (584, 15833), (596, 15863), (667, 15968), (671, 15977), (673, 15980), (687, 16016), (701, 16055), (716, 16094), (744, 16193), (751, 16214), (759, 16247), (768, 16277), (776, 16307), (778, 16313), (779, 16316), (781, 16322), (792, 16337), (793, 16340), (798, 16361), (800, 16364), (817, 16406), (833, 16478),

Gene: JustASigh_18 Start: 16356, Stop: 18098, Start Num: 78

Candidate Starts for JustASigh_18:

(1, 15306), (2, 15348), (3, 15354), (4, 15468), (9, 15660), (12, 15693), (15, 15771), (22, 15906), (61, 16320), (Start: 78 @16356 has 41 MA's), (141, 16446), (158, 16476), (Start: 175 @16509 has 47 MA's), (216, 16623), (257, 16722), (310, 16863), (318, 16878), (395, 17034), (399, 17040), (401, 17043), (430, 17115), (435, 17130), (442, 17145), (466, 17196), (513, 17244), (583, 17412), (652, 17604), (742, 17772), (753, 17811), (771, 17865), (780, 17895), (795, 17934), (809, 17970), (814, 17982), (827, 18042),

Gene: KADY_30 Start: 20463, Stop: 22259, Start Num: 108

Candidate Starts for KADY_30:

(Start: 108 @20463 has 545 MA's), (Start: 146 @20520 has 1 MA's), (154, 20535), (173, 20568), (179, 20589), (Start: 183 @20604 has 1 MA's), (227, 20691), (232, 20703), (233, 20706), (264, 20781), (Start: 268 @20796 has 11 MA's), (288, 20832), (373, 21039), (430, 21153), (449, 21192), (495, 21279), (549, 21393), (556, 21417), (563, 21435), (597, 21516), (623, 21591), (628, 21609), (637, 21642), (639, 21648), (653, 21687), (680, 21741), (681, 21744), (689, 21765), (713, 21822), (760, 21990), (792, 22095), (794, 22101), (833, 22236),

Gene: KBG_28 Start: 21996, Stop: 23798, Start Num: 109

Candidate Starts for KBG_28:

(Start: 109 @21996 has 207 MA's), (Start: 124 @22017 has 4 MA's), (Start: 146 @22059 has 1 MA's), (171, 22104), (264, 22320), (283, 22365), (289, 22374), (321, 22464), (322, 22467), (413, 22662), (449, 22731), (545, 22920), (549, 22932), (551, 22935), (556, 22956), (596, 23052), (597, 23055), (599, 23061), (623, 23130), (628, 23148), (630, 23157), (639, 23187), (681, 23283), (693, 23316), (698, 23331), (745, 23472), (760, 23529), (794, 23640), (840, 23793),

Gene: KFPoly_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for KFPoly_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (824, 21549), (828, 21564), (833, 21582),

Gene: KSSJEB_27 Start: 20890, Stop: 22692, Start Num: 109

Candidate Starts for KSSJEB_27:

(Start: 109 @20890 has 207 MA's), (Start: 124 @20911 has 4 MA's), (Start: 146 @20953 has 1 MA's), (171, 20998), (264, 21214), (283, 21259), (289, 21268), (301, 21307), (321, 21358), (322, 21361), (413, 21556), (449, 21625), (549, 21826), (551, 21829), (556, 21850), (596, 21946), (597, 21949), (599, 21955), (623, 22024), (628, 22042), (630, 22051), (639, 22081), (681, 22177), (693, 22210), (698, 22225), (745, 22366), (760, 22423), (794, 22534),

Gene: Kabluna_44 Start: 29561, Stop: 31177, Start Num: 194

Candidate Starts for Kabluna_44:

(Start: 194 @29561 has 87 MA's), (Start: 198 @29573 has 1 MA's), (243, 29675), (274, 29759), (359, 29942), (401, 30008), (405, 30023), (419, 30047), (457, 30134), (469, 30164), (470, 30167), (499, 30224), (532, 30296), (570, 30401), (604, 30488), (622, 30536), (669, 30662), (683, 30698), (730, 30809), (751, 30884), (813, 31061), (822, 31103), (838, 31160),

Gene: Kachowdy_27 Start: 19960, Stop: 21759, Start Num: 108

Candidate Starts for Kachowdy_27:

(Start: 108 @19960 has 545 MA's), (Start: 146 @20020 has 1 MA's), (179, 20089), (227, 20191), (232, 20203), (233, 20206), (264, 20281), (Start: 268 @20296 has 11 MA's), (269, 20299), (289, 20335), (347, 20470), (373, 20539), (430, 20653), (495, 20779), (549, 20893), (556, 20917), (559, 20929), (563, 20935), (597, 21016), (623, 21091), (628, 21109), (630, 21118), (637, 21142), (639, 21148), (645, 21163), (665, 21205), (678, 21232), (680, 21241), (681, 21244), (689, 21265), (693, 21277), (760, 21490), (792, 21595), (794, 21601), (833, 21736),

Gene: Kalah2_37 Start: 27936, Stop: 29669, Start Num: 89

Candidate Starts for Kalah2_37:

(Start: 89 @27936 has 30 MA's), (Start: 147 @28026 has 45 MA's), (172, 28074), (182, 28104), (244, 28233), (259, 28263), (298, 28362), (309, 28398), (321, 28425), (356, 28497), (359, 28506), (368, 28527), (410, 28596), (429, 28635), (430, 28638), (435, 28653), (456, 28692), (474, 28740), (480, 28752), (484, 28758), (503, 28806), (507, 28815), (517, 28836), (526, 28854), (545, 28902), (581, 29004), (605, 29064), (610, 29076), (678, 29160), (681, 29172), (682, 29178), (689, 29190), (691, 29193), (704, 29232), (713, 29250), (726, 29286), (727, 29292), (751, 29379), (775, 29469), (795, 29511), (803, 29529), (814, 29559), (823, 29601), (838, 29655),

Gene: Kalb97_30 Start: 20459, Stop: 22255, Start Num: 108

Candidate Starts for Kalb97_30:

(Start: 108 @20459 has 545 MA's), (Start: 146 @20516 has 1 MA's), (154, 20531), (179, 20585), (Start: 183 @20600 has 1 MA's), (227, 20687), (232, 20699), (233, 20702), (264, 20777), (Start: 268 @20792 has 11 MA's), (373, 21035), (449, 21188), (495, 21275), (540, 21368), (549, 21389), (556, 21413), (559, 21425), (563, 21431), (597, 21512), (623, 21587), (628, 21605), (630, 21614), (637, 21638), (639, 21644), (645, 21659), (653, 21683), (680, 21737), (681, 21740), (689, 21761), (792, 22091), (794, 22097), (833, 22232),

Gene: Kalnoky_30 Start: 20460, Stop: 22256, Start Num: 108

Candidate Starts for Kalnoky_30:

(Start: 108 @20460 has 545 MA's), (Start: 146 @20517 has 1 MA's), (154, 20532), (179, 20586), (Start: 183 @20601 has 1 MA's), (227, 20688), (232, 20700), (233, 20703), (264, 20778), (Start: 268 @20793 has 11 MA's), (373, 21036), (449, 21189), (495, 21276), (549, 21390), (556, 21414), (559, 21426), (563, 21432), (597, 21513), (623, 21588), (628, 21606), (630, 21615), (637, 21639), (639, 21645), (653, 21684), (680, 21738), (681, 21741), (689, 21762), (760, 21987), (792, 22092), (794, 22098), (833, 22233),

Gene: Kalpine_31 Start: 21962, Stop: 23758, Start Num: 90

Candidate Starts for Kalpine_31:

(Start: 90 @21962 has 8 MA's), (Start: 108 @21986 has 545 MA's), (232, 22220), (233, 22223), (262, 22295), (264, 22298), (289, 22352), (292, 22358), (301, 22391), (338, 22469), (373, 22556), (412, 22637), (413, 22640), (430, 22670), (549, 22910), (551, 22913), (563, 22952), (592, 23018), (597, 23033), (639, 23165), (669, 23213), (681, 23243), (693, 23276), (698, 23291), (701, 23297), (724, 23351), (738, 23405), (760, 23489), (780, 23555), (784, 23567), (792, 23594), (794, 23600),

Gene: Kamy_27 Start: 19825, Stop: 21603, Start Num: 108

Candidate Starts for Kamy_27:

(Start: 90 @19801 has 8 MA's), (Start: 108 @19825 has 545 MA's), (Start: 146 @19882 has 1 MA's), (Start: 175 @19936 has 47 MA's), (179, 19951), (184, 19969), (227, 20053), (232, 20065), (233, 20068), (264, 20143), (Start: 268 @20158 has 11 MA's), (289, 20197), (338, 20314), (373, 20401), (412, 20482), (435, 20530), (449, 20554), (495, 20641), (522, 20686), (551, 20758), (556, 20779), (563, 20797), (597, 20878), (628, 20971), (630, 20980), (637, 21004), (639, 21010), (647, 21034), (681, 21088), (689, 21109), (710, 21160), (719, 21184), (736, 21238), (760, 21334), (792, 21439), (795, 21454), (828, 21562), (833, 21580),

Gene: Kanely_28 Start: 21700, Stop: 23502, Start Num: 109

Candidate Starts for Kanely_28:

(Start: 109 @21700 has 207 MA's), (Start: 124 @21721 has 4 MA's), (Start: 146 @21763 has 1 MA's), (171, 21808), (264, 22024), (283, 22069), (289, 22078), (301, 22117), (321, 22168), (322, 22171), (413, 22366), (449, 22435), (549, 22636), (551, 22639), (556, 22660), (596, 22756), (597, 22759), (599, 22765), (623, 22834), (628, 22852), (630, 22861), (639, 22891), (681, 22987), (693, 23020), (698, 23035), (745, 23176), (760, 23233), (794, 23344),

Gene: Kanye_26 Start: 20732, Stop: 22411, Start Num: 94

Candidate Starts for Kanye_26:

(Start: 94 @20732 has 79 MA's), (Start: 147 @20816 has 45 MA's), (Start: 183 @20894 has 1 MA's), (227, 20981), (233, 20996), (257, 21044), (271, 21083), (306, 21170), (321, 21203), (342, 21239), (354, 21269), (356, 21275), (400, 21344), (424, 21374), (428, 21386), (429, 21389), (456, 21446), (517, 21578), (520, 21584), (547, 21650), (549, 21656), (556, 21680), (573, 21728), (584, 21752), (589, 21761), (616, 21836), (671, 21887), (678, 21902), (736, 22064), (742, 22091), (751, 22121), (780, 22226), (815, 22304), (822, 22340), (824, 22349), (833, 22382), (838, 22397),

Gene: KappaFarmDelta_19 Start: 16818, Stop: 18464, Start Num: 175

Candidate Starts for KappaFarmDelta_19:

(156, 16782), (Start: 175 @16818 has 47 MA's), (213, 16920), (253, 16998), (294, 17097), (304, 17136), (325, 17181), (345, 17217), (364, 17271), (370, 17286), (401, 17319), (415, 17367), (416, 17370), (456, 17457), (466, 17487), (549, 17670), (556, 17694), (604, 17838), (608, 17850), (661, 17910), (712, 18042), (713, 18045), (742, 18144), (747, 18162), (760, 18213), (778, 18273), (780, 18279), (808, 18342), (813, 18354),

Gene: Kareem_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Kareem_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Karhdo_16 Start: 14934, Stop: 16643, Start Num: 87

Candidate Starts for Karhdo_16:

(Start: 87 @14934 has 207 MA's), (150, 15021), (Start: 175 @15066 has 47 MA's), (182, 15090), (203, 15147), (230, 15195), (233, 15201), (242, 15219), (257, 15249), (300, 15354), (320, 15408), (323, 15414), (329, 15423), (338, 15435), (342, 15444), (352, 15468), (365, 15504), (368, 15510), (374, 15522), (396, 15543), (398, 15546), (402, 15555), (408, 15570), (410, 15576), (420, 15594), (427, 15609), (429, 15615), (435, 15633), (436, 15636), (445, 15651), (455, 15666), (456, 15672), (466, 15702), (474, 15720), (480, 15732), (484, 15738), (515, 15798), (522, 15810), (538, 15846), (541, 15858), (549, 15879), (571, 15933), (573, 15942), (584, 15966), (596, 15996), (667, 16101), (673, 16113), (687, 16149), (701, 16188), (716, 16227), (744, 16326), (751, 16347), (759, 16380), (768, 16410), (776, 16440), (779, 16449), (781, 16455), (792, 16470), (793, 16473), (798, 16494), (800, 16497), (817, 16539), (822, 16569), (833, 16611), (834, 16617),

Gene: Kari_19 Start: 16385, Stop: 18121, Start Num: 82

Candidate Starts for Kari_19:

(Start: 71 @16361 has 2 MA's), (Start: 82 @16385 has 44 MA's), (128, 16445), (136, 16466), (138, 16469), (Start: 195 @16589 has 39 MA's), (213, 16628), (232, 16661), (244, 16685), (296, 16805), (306, 16844), (309, 16850), (351, 16934), (352, 16940), (356, 16952), (365, 16976), (379, 17003), (400, 17021), (417, 17060), (420, 17066), (430, 17090), (456, 17144), (461, 17156), (463, 17165), (490, 17225), (526, 17303), (541, 17342), (554, 17375), (573, 17441), (578, 17456), (584, 17465), (594, 17489), (605, 17519), (610, 17531), (682, 17633), (689, 17645), (691, 17648), (692, 17654), (695, 17663), (734, 17771), (755, 17855), (787, 17954), (824, 18062), (838, 18110),

Gene: Kasen3_18 Start: 16641, Stop: 18404, Start Num: 75

Candidate Starts for Kasen3_18:

(Start: 75 @16641 has 25 MA's), (Start: 97 @16650 has 44 MA's), (101, 16656), (Start: 105 @16662 has 8 MA's), (179, 16794), (Start: 196 @16845 has 7 MA's), (210, 16875), (219, 16899), (264, 17001), (279, 17040), (283, 17046), (292, 17061), (304, 17106), (359, 17226), (385, 17283), (399, 17322), (418, 17370), (430, 17397), (434, 17409), (479, 17490), (515, 17535), (597, 17733), (606, 17763), (612, 17781), (623, 17808), (648, 17892), (665, 17910), (677, 17925), (693, 17973), (698, 17988), (733, 18051), (751, 18108), (760, 18147), (776, 18189), (795, 18240), (824, 18336), (843, 18396),

Gene: KashFlow_28 Start: 23344, Stop: 25077, Start Num: 89

Candidate Starts for KashFlow_28:

(Start: 89 @23344 has 30 MA's), (Start: 147 @23434 has 45 MA's), (150, 23437), (193, 23539), (227, 23605), (244, 23641), (259, 23671), (264, 23686), (298, 23770), (309, 23806), (321, 23833), (343, 23872), (356, 23905), (359, 23914), (398, 23971), (413, 24013), (453, 24088), (456, 24100), (480, 24160), (503, 24214), (517, 24244), (526, 24262), (531, 24271), (542, 24304), (547, 24316), (549, 24322), (561, 24361), (584, 24418), (678, 24568), (682, 24586), (700, 24628), (711, 24652), (712, 24655), (716, 24670), (727, 24700), (736, 24730), (751, 24787), (803, 24937), (835, 25057), (838, 25063),

Gene: Katalie136_27 Start: 19826, Stop: 21625, Start Num: 108

Candidate Starts for Katalie136_27:

(Start: 90 @19802 has 8 MA's), (Start: 108 @19826 has 545 MA's), (Start: 146 @19886 has 1 MA's), (179, 19955), (208, 20033), (227, 20057), (232, 20069), (233, 20072), (247, 20108), (264, 20147), (289, 20201), (322, 20294), (338, 20318), (373, 20405), (430, 20519), (449, 20558), (495, 20645), (522, 20690), (549, 20759), (556, 20783), (559, 20795), (597, 20882), (623, 20957), (628, 20975), (630, 20984), (637, 21008), (639, 21014), (645, 21029), (662, 21062), (680, 21107), (681, 21110), (689, 21131), (760, 21356), (784, 21434), (792, 21461), (794, 21467), (833, 21602),

Gene: KatherineG_30 Start: 19215, Stop: 21002, Start Num: 108

Candidate Starts for KatherineG_30:

(65, 19149), (Start: 90 @19191 has 8 MA's), (Start: 108 @19215 has 545 MA's), (184, 19353), (207, 19410), (233, 19452), (247, 19488), (264, 19527), (295, 19596), (301, 19620), (322, 19674), (399,

19824), (413, 19869), (430, 19899), (446, 19935), (468, 19986), (493, 20022), (522, 20070), (546, 20130), (596, 20259), (623, 20337), (698, 20538), (701, 20544), (736, 20640), (782, 20805), (815, 20904),

Gene: Kazan_31 Start: 19982, Stop: 21754, Start Num: 108

Candidate Starts for Kazan_31:

(65, 19916), (Start: 90 @19958 has 8 MA's), (Start: 108 @19982 has 545 MA's), (208, 20180), (233, 20219), (262, 20291), (264, 20294), (269, 20312), (289, 20348), (292, 20354), (338, 20465), (341, 20471), (356, 20510), (373, 20552), (399, 20591), (412, 20633), (413, 20636), (441, 20696), (557, 20933), (563, 20948), (597, 21029), (639, 21161), (698, 21287), (720, 21338), (724, 21347), (735, 21386), (736, 21389), (738, 21401), (760, 21485), (792, 21590), (794, 21596), (833, 21731),

Gene: Kenmech_30 Start: 22406, Stop: 24208, Start Num: 109

Candidate Starts for Kenmech_30:

(Start: 109 @22406 has 207 MA's), (Start: 124 @22427 has 4 MA's), (Start: 146 @22469 has 1 MA's), (171, 22514), (264, 22730), (283, 22775), (289, 22784), (301, 22823), (321, 22874), (322, 22877), (413, 23072), (449, 23141), (549, 23342), (551, 23345), (556, 23366), (596, 23462), (597, 23465), (599, 23471), (623, 23540), (628, 23558), (630, 23567), (639, 23597), (681, 23693), (693, 23726), (698, 23741), (745, 23882), (760, 23939), (794, 24050),

Gene: Kenuha5_16 Start: 14929, Stop: 16638, Start Num: 87

Candidate Starts for Kenuha5_16:

(Start: 87 @14929 has 207 MA's), (150, 15016), (Start: 175 @15061 has 47 MA's), (182, 15085), (230, 15190), (233, 15196), (242, 15214), (257, 15244), (300, 15349), (323, 15409), (338, 15430), (342, 15439), (352, 15463), (368, 15505), (396, 15538), (402, 15550), (408, 15565), (410, 15571), (420, 15589), (427, 15604), (429, 15610), (445, 15646), (448, 15649), (455, 15661), (456, 15667), (459, 15676), (474, 15715), (480, 15727), (484, 15733), (515, 15793), (522, 15805), (538, 15841), (541, 15853), (571, 15928), (573, 15937), (581, 15955), (584, 15961), (596, 15991), (667, 16096), (671, 16105), (673, 16108), (687, 16144), (716, 16222), (751, 16342), (768, 16405), (776, 16435), (779, 16444), (781, 16450), (792, 16465), (793, 16468), (800, 16492), (813, 16522), (817, 16534), (833, 16606),

Gene: Kerberos_31 Start: 20049, Stop: 21839, Start Num: 108

Candidate Starts for Kerberos_31:

(65, 19983), (Start: 90 @20025 has 8 MA's), (Start: 108 @20049 has 545 MA's), (189, 20202), (232, 20283), (233, 20286), (262, 20358), (264, 20361), (Start: 268 @20376 has 11 MA's), (289, 20415), (292, 20421), (338, 20532), (347, 20550), (373, 20619), (412, 20700), (413, 20703), (495, 20859), (513, 20889), (597, 21096), (637, 21222), (681, 21324), (693, 21357), (698, 21372), (710, 21396), (735, 21471), (736, 21474), (738, 21486), (760, 21570), (784, 21648), (792, 21675), (794, 21681), (809, 21726), (813, 21735), (833, 21816),

Gene: Keshu_22 Start: 17579, Stop: 19342, Start Num: 79

Candidate Starts for Keshu_22:

(Start: 75 @17570 has 25 MA's), (Start: 79 @17579 has 139 MA's), (153, 17681), (179, 17738), (Start: 196 @17789 has 7 MA's), (210, 17819), (219, 17843), (310, 18074), (315, 18083), (321, 18095), (363, 18188), (365, 18191), (399, 18263), (403, 18272), (412, 18305), (418, 18311), (434, 18350), (454, 18386), (515, 18476), (542, 18539), (577, 18626), (612, 18719), (636, 18794), (681, 18875), (698, 18923), (709, 18947), (729, 18974), (747, 19031), (759, 19076), (795, 19178), (807, 19205), (822, 19265), (824, 19274), (830, 19295), (834, 19313), (836, 19319), (843, 19334),

Gene: Kevin1_18 Start: 14957, Stop: 16666, Start Num: 91

Candidate Starts for Kevin1_18:

(Start: 91 @14957 has 42 MA's), (115, 14984), (Start: 175 @15089 has 47 MA's), (178, 15101), (190, 15137), (213, 15188), (227, 15209), (230, 15218), (233, 15224), (244, 15245), (251, 15257), (320, 15431), (323, 15437), (337, 15455), (342, 15467), (343, 15470), (352, 15491), (396, 15566), (408, 15593), (420, 15617), (422, 15620), (427, 15632), (445, 15674), (455, 15689), (456, 15695), (459, 15704), (474, 15743), (497, 15797), (515, 15821), (541, 15881), (564, 15947), (571, 15956), (573, 15965), (595, 16016), (596, 16019), (667, 16124), (687, 16172), (713, 16238), (735, 16310), (776, 16463), (779, 16472), (792, 16493), (795, 16508), (800, 16520), (815, 16556), (817, 16562),

Gene: Keziacharles14_28 Start: 19842, Stop: 21632, Start Num: 108

Candidate Starts for Keziacharles14_28:

(Start: 105 @19839 has 8 MA's), (Start: 108 @19842 has 545 MA's), (192, 19998), (233, 20079), (262, 20151), (264, 20154), (Start: 268 @20169 has 11 MA's), (289, 20208), (292, 20214), (306, 20265), (318, 20292), (321, 20298), (338, 20325), (341, 20331), (359, 20379), (373, 20412), (412, 20493), (413, 20496), (441, 20556), (513, 20682), (540, 20745), (583, 20859), (597, 20889), (603, 20907), (662, 21069), (681, 21117), (693, 21150), (698, 21165), (710, 21189), (735, 21264), (738, 21279), (760, 21363), (785, 21444), (792, 21468), (809, 21519), (824, 21576),

Gene: KiSi_22 Start: 16322, Stop: 18085, Start Num: 78

Candidate Starts for KiSi_22:

(Start: 62 @16286 has 1 MA's), (Start: 75 @16316 has 25 MA's), (Start: 78 @16322 has 41 MA's), (101, 16349), (122, 16376), (179, 16490), (Start: 196 @16541 has 7 MA's), (221, 16604), (266, 16706), (Start: 268 @16712 has 11 MA's), (299, 16784), (310, 16820), (315, 16829), (338, 16868), (357, 16916), (363, 16934), (383, 16973), (384, 16976), (393, 16991), (395, 17003), (399, 17009), (412, 17051), (418, 17057), (430, 17084), (515, 17222), (525, 17240), (531, 17252), (558, 17330), (593, 17402), (597, 17414), (612, 17462), (636, 17537), (681, 17621), (693, 17654), (695, 17660), (706, 17687), (745, 17771), (747, 17777), (759, 17822), (760, 17828), (795, 17921), (824, 18017), (843, 18077),

Gene: KidneyBean_41 Start: 30603, Stop: 32216, Start Num: 194

Candidate Starts for KidneyBean_41:

(Start: 194 @30603 has 87 MA's), (Start: 209 @30639 has 1 MA's), (216, 30657), (243, 30717), (351, 30957), (353, 30969), (359, 30984), (401, 31050), (405, 31065), (419, 31089), (421, 31092), (457, 31176), (469, 31206), (470, 31209), (499, 31266), (519, 31314), (521, 31317), (532, 31338), (570, 31443), (592, 31488), (604, 31530), (669, 31704), (681, 31734), (683, 31740), (729, 31848), (730, 31851), (751, 31926), (822, 32145), (838, 32202),

Gene: KilKor_19 Start: 16273, Stop: 18009, Start Num: 82

Candidate Starts for KilKor_19:

(Start: 71 @16249 has 2 MA's), (Start: 82 @16273 has 44 MA's), (128, 16333), (136, 16354), (138, 16357), (Start: 195 @16477 has 39 MA's), (213, 16516), (232, 16549), (244, 16573), (296, 16693), (306, 16732), (309, 16738), (351, 16822), (352, 16828), (356, 16840), (365, 16864), (379, 16891), (400, 16909), (417, 16948), (420, 16954), (430, 16978), (456, 17032), (461, 17044), (463, 17053), (490, 17113), (526, 17191), (541, 17230), (554, 17263), (573, 17329), (584, 17353), (594, 17377), (605, 17407), (682, 17521), (689, 17533), (692, 17542), (695, 17551), (734, 17659), (755, 17743), (787, 17842), (824, 17950), (838, 17998),

Gene: Killigrew_25 Start: 20612, Stop: 22414, Start Num: 109

Candidate Starts for Killigrew_25:

(Start: 109 @20612 has 207 MA's), (Start: 124 @20633 has 4 MA's), (Start: 146 @20675 has 1 MA's), (171, 20720), (264, 20936), (283, 20981), (289, 20990), (321, 21080), (322, 21083), (413, 21278), (449, 21347), (549, 21548), (551, 21551), (556, 21572), (596, 21668), (597, 21671), (599, 21677), (623, 21746), (628, 21764), (630, 21773), (639, 21803), (681, 21899), (693, 21932), (698, 21947), (745, 22088), (760, 22145), (794, 22256), (840, 22409),

Gene: Kimberlium_18 Start: 15928, Stop: 17637, Start Num: 87

Candidate Starts for Kimberlium_18:

(Start: 87 @15928 has 207 MA's), (150, 16015), (Start: 175 @16060 has 47 MA's), (182, 16084), (230, 16189), (233, 16195), (242, 16213), (257, 16243), (300, 16348), (302, 16354), (323, 16408), (329, 16417), (338, 16429), (342, 16438), (352, 16462), (402, 16549), (408, 16564), (420, 16588), (427, 16603), (429, 16609), (445, 16645), (448, 16648), (455, 16660), (456, 16666), (474, 16714), (480, 16726), (484, 16732), (515, 16792), (522, 16804), (538, 16840), (541, 16852), (549, 16873), (571, 16927), (573, 16936), (581, 16954), (584, 16960), (596, 16990), (667, 17095), (671, 17104), (673, 17107), (687, 17143), (713, 17209), (716, 17221), (744, 17320), (751, 17341), (759, 17374), (768, 17404), (776, 17434), (779, 17443), (781, 17449), (792, 17464), (793, 17467), (800, 17491), (813, 17521), (817, 17533), (822, 17563), (833, 17605),

Gene: Kimchi_26 Start: 19739, Stop: 21418, Start Num: 94

Candidate Starts for Kimchi_26:

(Start: 94 @19739 has 79 MA's), (Start: 147 @19823 has 45 MA's), (Start: 183 @19901 has 1 MA's), (227, 19988), (233, 20003), (257, 20051), (271, 20090), (306, 20177), (321, 20210), (342, 20246), (354, 20276), (356, 20282), (400, 20351), (424, 20381), (428, 20393), (429, 20396), (456, 20453), (517, 20585), (520, 20591), (547, 20657), (549, 20663), (556, 20687), (573, 20735), (584, 20759), (589, 20768), (616, 20843), (671, 20894), (678, 20909), (736, 21071), (742, 21098), (751, 21128), (780, 21233), (815, 21311), (822, 21347), (824, 21356), (833, 21389), (838, 21404),

Gene: Kimchi1738_31 Start: 27570, Stop: 29168, Start Num: 195

Candidate Starts for Kimchi1738_31:

(Start: 195 @27570 has 39 MA's), (246, 27669), (272, 27738), (292, 27777), (350, 27912), (371, 27972), (460, 28125), (464, 28137), (467, 28146), (469, 28149), (493, 28194), (499, 28209), (502, 28218), (505, 28227), (532, 28281), (538, 28299), (563, 28353), (635, 28569), (677, 28662), (724, 28770), (738, 28824), (758, 28899), (801, 29028), (837, 29154),

Gene: Kimona_24 Start: 17863, Stop: 19656, Start Num: 108

Candidate Starts for Kimona_24:

(Start: 108 @17863 has 545 MA's), (129, 17884), (179, 17986), (180, 17989), (184, 18004), (232, 18100), (233, 18103), (264, 18178), (Start: 268 @18193 has 11 MA's), (289, 18232), (321, 18322), (347, 18367), (373, 18436), (413, 18520), (430, 18550), (441, 18580), (446, 18586), (456, 18604), (495, 18676), (522, 18721), (549, 18790), (556, 18814), (559, 18826), (563, 18832), (597, 18913), (628, 19006), (630, 19015), (639, 19045), (645, 19060), (680, 19138), (681, 19141), (689, 19162), (743, 19324), (760, 19387), (791, 19489), (794, 19498), (822, 19591), (826, 19609), (840, 19651),

Gene: Kinbote_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for Kinbote_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197 @17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406, 18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: KingCyrus_30 Start: 20600, Stop: 22372, Start Num: 108

Candidate Starts for KingCyrus_30:

(Start: 90 @20576 has 8 MA's), (Start: 108 @20600 has 545 MA's), (173, 20699), (202, 20783), (232, 20834), (233, 20837), (262, 20909), (264, 20912), (289, 20966), (301, 21005), (318, 21050), (338, 21083), (373, 21170), (412, 21251), (413, 21254), (551, 21527), (592, 21632), (597, 21647), (637, 21773), (639, 21779), (669, 21827), (674, 21836), (681, 21857), (693, 21890), (698, 21905), (701, 21911), (724, 21965), (735, 22004), (738, 22019), (760, 22103), (794, 22214),

Gene: KingMidas_17 Start: 16108, Stop: 17817, Start Num: 87

Candidate Starts for KingMidas_17:

(Start: 87 @16108 has 207 MA's), (150, 16195), (Start: 175 @16240 has 47 MA's), (182, 16264), (230, 16369), (233, 16375), (242, 16393), (257, 16423), (300, 16528), (323, 16588), (329, 16597), (342, 16618), (352, 16642), (365, 16678), (368, 16684), (396, 16717), (398, 16720), (402, 16729), (408, 16744), (410, 16750), (420, 16768), (427, 16783), (429, 16789), (435, 16807), (436, 16810), (445, 16825), (448, 16828), (455, 16840), (456, 16846), (474, 16894), (480, 16906), (484, 16912), (515, 16972), (522, 16984), (538, 17020), (541, 17032), (571, 17107), (573, 17116), (581, 17134), (584, 17140), (596, 17170), (667, 17275), (671, 17284), (673, 17287), (687, 17323), (716, 17401), (744, 17500), (751, 17521), (759, 17554), (768, 17584), (771, 17596), (776, 17614), (778, 17620), (779, 17623), (781, 17629), (792, 17644), (793, 17647), (798, 17668), (800, 17671), (817, 17713), (833, 17785), (834, 17791),

Gene: Kingmustik0402_27 Start: 19819, Stop: 21597, Start Num: 108

Candidate Starts for Kingmustik0402_27:

(Start: 90 @19795 has 8 MA's), (Start: 108 @19819 has 545 MA's), (Start: 146 @19876 has 1 MA's), (Start: 175 @19930 has 47 MA's), (179, 19945), (184, 19963), (227, 20047), (232, 20059), (233, 20062), (264, 20137), (Start: 268 @20152 has 11 MA's), (289, 20191), (338, 20308), (373, 20395), (412, 20476), (435, 20524), (449, 20548), (495, 20635), (522, 20680), (551, 20752), (556, 20773), (563, 20791), (597, 20872), (628, 20965), (630, 20974), (637, 20998), (639, 21004), (647, 21028), (681, 21082), (689, 21103), (710, 21154), (719, 21178), (736, 21232), (760, 21328), (792, 21433), (795, 21448), (828, 21556), (833, 21574),

Gene: Kingsley_17 Start: 14662, Stop: 16371, Start Num: 87

Candidate Starts for Kingsley_17:

(Start: 87 @14662 has 207 MA's), (150, 14749), (Start: 175 @14794 has 47 MA's), (182, 14818), (230, 14923), (233, 14929), (242, 14947), (257, 14977), (300, 15082), (323, 15142), (338, 15163), (342, 15172), (352, 15196), (420, 15322), (427, 15337), (429, 15343), (445, 15379), (448, 15382), (455, 15394), (456, 15400), (474, 15448), (480, 15460), (484, 15466), (515, 15526), (522, 15538), (538, 15574), (541, 15586), (571, 15661), (573, 15670), (581, 15688), (584, 15694), (596, 15724), (667, 15829), (671, 15838), (673, 15841), (687, 15877), (716, 15955), (744, 16054), (751, 16075), (759, 16108), (768, 16138), (776, 16168), (779, 16177), (781, 16183), (792, 16198), (793, 16201), (800, 16225), (813, 16255), (817, 16267), (822, 16297), (833, 16339),

Gene: Kinmap_29 Start: 19779, Stop: 21569, Start Num: 108

Candidate Starts for Kinmap_29:

(Start: 108 @19779 has 545 MA's), (232, 20013), (233, 20016), (262, 20088), (264, 20091), (289, 20145), (373, 20349), (412, 20430), (449, 20502), (495, 20589), (551, 20706), (559, 20739), (597, 20826), (678, 21042), (681, 21054), (698, 21102), (735, 21201), (760, 21300), (784, 21378), (794, 21411), (798, 21429), (813, 21465), (833, 21546),

Gene: Kipper29_31 Start: 19976, Stop: 21748, Start Num: 108

Candidate Starts for Kipper29_31:

(65, 19910), (Start: 90 @19952 has 8 MA's), (Start: 108 @19976 has 545 MA's), (208, 20174), (233, 20213), (262, 20285), (264, 20288), (269, 20306), (289, 20342), (292, 20348), (338, 20459), (341, 20465), (356, 20504), (373, 20546), (399, 20585), (412, 20627), (413, 20630), (441, 20690), (557, 20927), (563, 20942), (597, 21023), (639, 21155), (698, 21281), (720, 21332), (724, 21341), (735,

21380), (736, 21383), (738, 21395), (760, 21479), (792, 21584), (794, 21590), (833, 21725),

Gene: Kita_19 Start: 17773, Stop: 19371, Start Num: 194

Candidate Starts for Kita_19:

(Start: 194 @17773 has 87 MA's), (307, 18022), (310, 18031), (319, 18049), (321, 18052), (351, 18106), (381, 18181), (413, 18250), (423, 18259), (427, 18271), (451, 18322), (459, 18349), (462, 18358), (463, 18361), (516, 18391), (518, 18394), (541, 18451), (564, 18517), (591, 18595), (602, 18628), (610, 18652), (623, 18688), (655, 18790), (682, 18847), (698, 18892), (701, 18898), (716, 18937), (787, 19177), (810, 19255),

Gene: KittenMittens_26 Start: 17889, Stop: 19667, Start Num: 108

Candidate Starts for KittenMittens_26:

(Start: 90 @17865 has 8 MA's), (Start: 108 @17889 has 545 MA's), (Start: 146 @17946 has 1 MA's), (154, 17961), (179, 18015), (232, 18129), (233, 18132), (264, 18207), (279, 18246), (338, 18378), (373, 18465), (410, 18540), (430, 18579), (449, 18618), (495, 18705), (522, 18750), (549, 18819), (556, 18843), (559, 18855), (563, 18861), (628, 19035), (630, 19044), (637, 19068), (639, 19074), (645, 19089), (669, 19122), (689, 19173), (713, 19230), (714, 19236), (760, 19398), (792, 19503), (794, 19509), (795, 19518), (833, 19644),

Gene: Klein_37 Start: 26895, Stop: 28893, Start Num: 89

Candidate Starts for Klein_37:

(Start: 89 @26895 has 30 MA's), (Start: 147 @26985 has 45 MA's), (172, 27033), (182, 27063), (193, 27090), (244, 27192), (259, 27222), (298, 27321), (309, 27357), (310, 27363), (321, 27384), (356, 27456), (359, 27465), (368, 27486), (429, 27594), (430, 27597), (435, 27612), (456, 27651), (474, 27699), (480, 27711), (484, 27717), (503, 27765), (507, 27774), (517, 27795), (526, 27813), (545, 27861), (581, 27963), (610, 28035), (627, 28080), (629, 28092), (656, 28227), (657, 28233), (658, 28257), (659, 28329), (665, 28356), (752, 28605),

Gene: Koan_26 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Koan_26:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Koduck_28 Start: 19329, Stop: 21119, Start Num: 108

Candidate Starts for Koduck_28:

(65, 19263), (Start: 90 @19305 has 8 MA's), (Start: 108 @19329 has 545 MA's), (148, 19383), (189, 19482), (208, 19527), (232, 19563), (233, 19566), (262, 19638), (264, 19641), (289, 19695), (292, 19701), (318, 19779), (338, 19812), (341, 19818), (356, 19857), (373, 19899), (412, 19980), (413, 19983), (513, 20169), (549, 20253), (563, 20295), (583, 20346), (597, 20376), (637, 20502), (683, 20613), (685, 20616), (693, 20637), (698, 20652), (710, 20676), (735, 20751), (738, 20766), (760, 20850), (792, 20955), (794, 20961), (798, 20979), (809, 21006), (813, 21015),

Gene: Koella_16 Start: 14774, Stop: 16483, Start Num: 87

Candidate Starts for Koella_16:

(Start: 87 @14774 has 207 MA's), (150, 14861), (Start: 175 @14906 has 47 MA's), (182, 14930), (230, 15035), (233, 15041), (242, 15059), (257, 15089), (300, 15194), (323, 15254), (338, 15275), (342, 15284), (352, 15308), (420, 15434), (427, 15449), (429, 15455), (445, 15491), (448, 15494), (455, 15506), (456, 15512), (474, 15560), (480, 15572), (484, 15578), (515, 15638), (522, 15650), (538,

15686), (541, 15698), (571, 15773), (573, 15782), (581, 15800), (584, 15806), (596, 15836), (667, 15941), (671, 15950), (673, 15953), (687, 15989), (716, 16067), (744, 16166), (751, 16187), (759, 16220), (768, 16250), (776, 16280), (779, 16289), (781, 16295), (792, 16310), (793, 16313), (800, 16337), (813, 16367), (817, 16379), (822, 16409), (833, 16451),

Gene: Koko_31 Start: 20314, Stop: 22086, Start Num: 108

Candidate Starts for Koko_31:

(65, 20248), (Start: 90 @20290 has 8 MA's), (Start: 108 @20314 has 545 MA's), (233, 20551), (262, 20623), (264, 20626), (Start: 268 @20641 has 11 MA's), (289, 20680), (292, 20686), (338, 20797), (341, 20803), (356, 20842), (373, 20884), (399, 20923), (412, 20965), (413, 20968), (495, 21124), (557, 21265), (563, 21280), (639, 21493), (689, 21592), (698, 21619), (720, 21670), (724, 21679), (735, 21718), (738, 21733), (760, 21817), (792, 21922), (794, 21928), (833, 22063),

Gene: Koreni_26 Start: 19473, Stop: 21251, Start Num: 108

Candidate Starts for Koreni_26:

(Start: 90 @19449 has 8 MA's), (Start: 108 @19473 has 545 MA's), (Start: 146 @19530 has 1 MA's), (Start: 175 @19584 has 47 MA's), (179, 19599), (184, 19617), (227, 19701), (232, 19713), (233, 19716), (264, 19791), (Start: 268 @19806 has 11 MA's), (289, 19845), (338, 19962), (373, 20049), (412, 20130), (435, 20178), (449, 20202), (495, 20289), (522, 20334), (551, 20406), (556, 20427), (563, 20445), (597, 20526), (628, 20619), (630, 20628), (637, 20652), (639, 20658), (647, 20682), (681, 20736), (689, 20757), (710, 20808), (719, 20832), (736, 20886), (760, 20982), (792, 21087), (795, 21102), (828, 21210), (833, 21228),

Gene: Kostya_24 Start: 19745, Stop: 21424, Start Num: 94

Candidate Starts for Kostya_24:

(Start: 94 @19745 has 79 MA's), (Start: 147 @19829 has 45 MA's), (Start: 183 @19907 has 1 MA's), (227, 19994), (233, 20009), (257, 20057), (271, 20096), (306, 20183), (321, 20216), (342, 20252), (354, 20282), (356, 20288), (400, 20357), (424, 20387), (428, 20399), (429, 20402), (456, 20459), (517, 20591), (520, 20597), (547, 20663), (549, 20669), (556, 20693), (573, 20741), (584, 20765), (589, 20774), (616, 20849), (671, 20900), (678, 20915), (736, 21077), (742, 21104), (751, 21134), (780, 21239), (815, 21317), (822, 21353), (824, 21362), (833, 21395), (838, 21410),

Gene: Krakatau_17 Start: 15504, Stop: 17213, Start Num: 87

Candidate Starts for Krakatau_17:

(Start: 87 @15504 has 207 MA's), (150, 15591), (Start: 175 @15636 has 47 MA's), (182, 15660), (230, 15765), (233, 15771), (242, 15789), (257, 15819), (300, 15924), (323, 15984), (338, 16005), (342, 16014), (352, 16038), (420, 16164), (427, 16179), (429, 16185), (445, 16221), (448, 16224), (455, 16236), (456, 16242), (474, 16290), (480, 16302), (484, 16308), (515, 16368), (522, 16380), (538, 16416), (541, 16428), (571, 16503), (573, 16512), (581, 16530), (584, 16536), (596, 16566), (667, 16671), (671, 16680), (673, 16683), (687, 16719), (716, 16797), (744, 16896), (751, 16917), (759, 16950), (768, 16980), (776, 17010), (779, 17019), (781, 17025), (792, 17040), (793, 17043), (800, 17067), (813, 17097), (817, 17109), (822, 17139), (833, 17181),

Gene: Kratak_27 Start: 19822, Stop: 21600, Start Num: 108

Candidate Starts for Kratak_27:

(Start: 90 @19798 has 8 MA's), (Start: 108 @19822 has 545 MA's), (Start: 146 @19879 has 1 MA's), (Start: 175 @19933 has 47 MA's), (179, 19948), (184, 19966), (227, 20050), (232, 20062), (233, 20065), (264, 20140), (Start: 268 @20155 has 11 MA's), (289, 20194), (338, 20311), (373, 20398), (412, 20479), (435, 20527), (449, 20551), (495, 20638), (522, 20683), (551, 20755), (556, 20776), (563, 20794), (597, 20875), (628, 20968), (630, 20977), (637, 21001), (639, 21007), (647, 21031), (681, 21085), (689, 21106), (710, 21157), (719, 21181), (760, 21331), (792, 21436), (795, 21451), (828, 21559), (833, 21577),

Gene: Kratio_20 Start: 17226, Stop: 18998, Start Num: 81

Candidate Starts for Kratio_20:

(Start: 81 @17226 has 15 MA's), (86, 17232), (103, 17256), (129, 17289), (154, 17337), (179, 17391), (Start: 196 @17442 has 7 MA's), (221, 17505), (Start: 268 @17613 has 11 MA's), (310, 17721), (363, 17835), (365, 17838), (384, 17877), (393, 17892), (395, 17904), (399, 17910), (410, 17946), (412, 17952), (418, 17958), (434, 17997), (447, 18021), (515, 18123), (542, 18186), (612, 18366), (645, 18465), (683, 18543), (693, 18567), (695, 18573), (709, 18606), (745, 18684), (747, 18690), (798, 18843), (829, 18948), (830, 18951), (834, 18969),

Gene: Kraw_25 Start: 18546, Stop: 20333, Start Num: 79

Candidate Starts for Kraw_25:

(Start: 62 @18507 has 1 MA's), (Start: 75 @18537 has 25 MA's), (Start: 78 @18543 has 41 MA's), (Start: 79 @18546 has 139 MA's), (Start: 99 @18561 has 4 MA's), (129, 18603), (154, 18651), (Start: 175 @18690 has 47 MA's), (179, 18705), (184, 18723), (Start: 196 @18756 has 7 MA's), (210, 18786), (227, 18831), (234, 18849), (266, 18921), (Start: 268 @18927 has 11 MA's), (283, 18957), (286, 18960), (306, 19023), (310, 19035), (373, 19170), (383, 19188), (395, 19218), (399, 19224), (405, 19242), (418, 19272), (434, 19311), (515, 19437), (542, 19500), (612, 19701), (630, 19755), (645, 19800), (668, 19845), (681, 19869), (693, 19902), (706, 19935), (742, 20007), (745, 20019), (759, 20070), (760, 20076), (798, 20178), (834, 20304), (843, 20325),

Gene: Kremtemulon_27 Start: 19875, Stop: 21653, Start Num: 108

Candidate Starts for Kremtemulon_27:

(Start: 90 @19851 has 8 MA's), (Start: 108 @19875 has 545 MA's), (Start: 146 @19932 has 1 MA's), (Start: 175 @19986 has 47 MA's), (179, 20001), (184, 20019), (227, 20103), (232, 20115), (233, 20118), (264, 20193), (Start: 268 @20208 has 11 MA's), (289, 20247), (338, 20364), (373, 20451), (412, 20532), (435, 20580), (449, 20604), (495, 20691), (522, 20736), (551, 20808), (556, 20829), (563, 20847), (597, 20928), (628, 21021), (630, 21030), (637, 21054), (639, 21060), (647, 21084), (681, 21138), (689, 21159), (710, 21210), (719, 21234), (736, 21288), (760, 21384), (792, 21489), (795, 21504), (828, 21612), (833, 21630),

Gene: Krili_55 Start: 32985, Stop: 34721, Start Num: 74

Candidate Starts for Krili_55:

(Start: 69 @32976 has 2 MA's), (Start: 74 @32985 has 26 MA's), (134, 33075), (187, 33192), (203, 33228), (214, 33249), (230, 33276), (233, 33282), (249, 33312), (261, 33336), (281, 33387), (342, 33525), (344, 33531), (363, 33582), (365, 33585), (374, 33603), (420, 33654), (429, 33675), (430, 33678), (455, 33726), (456, 33732), (474, 33780), (477, 33786), (480, 33792), (504, 33852), (515, 33876), (517, 33879), (538, 33924), (542, 33939), (546, 33948), (549, 33957), (564, 34002), (573, 34020), (589, 34053), (673, 34191), (680, 34212), (706, 34278), (717, 34308), (734, 34362), (744, 34404), (751, 34425), (755, 34446), (759, 34458), (765, 34479), (781, 34533), (815, 34611), (822, 34647), (827, 34668), (834, 34695),

Gene: Krishelle_23 Start: 16620, Stop: 18245, Start Num: 130

Candidate Starts for Krishelle_23:

(Start: 120 @16605 has 4 MA's), (Start: 130 @16620 has 32 MA's), (153, 16662), (169, 16689), (181, 16725), (244, 16866), (264, 16911), (313, 17040), (338, 17082), (347, 17100), (351, 17109), (358, 17133), (365, 17151), (392, 17181), (395, 17196), (397, 17199), (410, 17238), (413, 17247), (456, 17331), (513, 17385), (522, 17400), (540, 17448), (551, 17472), (596, 17586), (623, 17664), (633, 17703), (637, 17715), (640, 17724), (669, 17745), (698, 17823), (757, 17970), (788, 18069), (792, 18084), (838, 18237),

Gene: KristaRAM_17 Start: 15479, Stop: 17188, Start Num: 87

Candidate Starts for KristaRAM_17:

(Start: 87 @15479 has 207 MA's), (150, 15566), (Start: 175 @15611 has 47 MA's), (182, 15635), (230, 15740), (233, 15746), (242, 15764), (257, 15794), (300, 15899), (323, 15959), (338, 15980), (342, 15989), (352, 16013), (420, 16139), (427, 16154), (429, 16160), (445, 16196), (448, 16199), (455, 16211), (456, 16217), (474, 16265), (480, 16277), (484, 16283), (515, 16343), (522, 16355), (538, 16391), (541, 16403), (571, 16478), (573, 16487), (581, 16505), (584, 16511), (596, 16541), (667, 16646), (671, 16655), (673, 16658), (687, 16694), (716, 16772), (744, 16871), (751, 16892), (759, 16925), (768, 16955), (776, 16985), (779, 16994), (781, 17000), (792, 17015), (793, 17018), (800, 17042), (813, 17072), (817, 17084), (822, 17114), (833, 17156),

Gene: Kristoff_28 Start: 19986, Stop: 21764, Start Num: 108

Candidate Starts for Kristoff_28:

(Start: 108 @19986 has 545 MA's), (Start: 146 @20043 has 1 MA's), (154, 20058), (173, 20091), (179, 20112), (227, 20214), (232, 20226), (233, 20229), (264, 20304), (Start: 268 @20319 has 11 MA's), (289, 20358), (338, 20475), (347, 20493), (373, 20562), (410, 20637), (430, 20676), (449, 20715), (495, 20802), (522, 20847), (540, 20895), (549, 20916), (556, 20940), (559, 20952), (563, 20958), (597, 21039), (628, 21132), (630, 21141), (637, 21165), (639, 21171), (645, 21186), (669, 21219), (689, 21270), (695, 21288), (745, 21438), (760, 21495), (768, 21519), (770, 21525), (792, 21600), (794, 21606), (795, 21615), (815, 21666), (833, 21741),

Gene: Krueger_22 Start: 16300, Stop: 18075, Start Num: 75

Candidate Starts for Krueger_22:

(Start: 75 @16300 has 25 MA's), (Start: 79 @16309 has 139 MA's), (101, 16339), (Start: 175 @16465 has 47 MA's), (179, 16480), (Start: 196 @16531 has 7 MA's), (210, 16561), (227, 16606), (266, 16696), (283, 16732), (315, 16819), (359, 16912), (363, 16924), (365, 16927), (395, 16993), (399, 16999), (412, 17041), (418, 17047), (482, 17173), (525, 17230), (573, 17347), (593, 17392), (597, 17404), (612, 17452), (636, 17527), (645, 17551), (694, 17647), (745, 17761), (759, 17812), (760, 17818), (795, 17911), (834, 18046), (835, 18049), (843, 18067),

Gene: Ksquared_19 Start: 16407, Stop: 18143, Start Num: 82

Candidate Starts for Ksquared_19:

(Start: 71 @16383 has 2 MA's), (Start: 82 @16407 has 44 MA's), (128, 16467), (136, 16488), (138, 16491), (Start: 195 @16611 has 39 MA's), (213, 16650), (232, 16683), (244, 16707), (296, 16827), (306, 16866), (309, 16872), (351, 16956), (352, 16962), (356, 16974), (365, 16998), (379, 17025), (400, 17043), (417, 17082), (420, 17088), (430, 17112), (456, 17166), (461, 17178), (463, 17187), (490, 17247), (526, 17325), (541, 17364), (554, 17397), (573, 17463), (578, 17478), (584, 17487), (594, 17511), (605, 17541), (610, 17553), (682, 17655), (689, 17667), (691, 17670), (692, 17676), (695, 17685), (734, 17793), (755, 17877), (787, 17976), (824, 18084), (838, 18132),

Gene: Kugel_28 Start: 21273, Stop: 23075, Start Num: 109

Candidate Starts for Kugel_28:

(Start: 109 @21273 has 207 MA's), (Start: 124 @21294 has 4 MA's), (Start: 146 @21336 has 1 MA's), (171, 21381), (264, 21597), (283, 21642), (289, 21651), (301, 21690), (321, 21741), (322, 21744), (413, 21939), (449, 22008), (549, 22209), (551, 22212), (556, 22233), (596, 22329), (597, 22332), (599, 22338), (623, 22407), (628, 22425), (630, 22434), (639, 22464), (681, 22560), (693, 22593), (698, 22608), (745, 22749), (760, 22806), (794, 22917),

Gene: Kurt_41 Start: 30840, Stop: 32453, Start Num: 194

Candidate Starts for Kurt_41:

(Start: 194 @30840 has 87 MA's), (Start: 209 @30876 has 1 MA's), (216, 30894), (243, 30954), (351, 31194), (353, 31206), (359, 31221), (401, 31287), (405, 31302), (419, 31326), (421, 31329), (457, 31413), (469, 31443), (470, 31446), (499, 31503), (519, 31551), (521, 31554), (532, 31575), (570, 31680), (592, 31725), (604, 31767), (669, 31941), (681, 31971), (683, 31977), (729, 32085), (730, 32088), (751, 32163), (822, 32382), (838, 32439),

Gene: Kuwabara_19 Start: 15987, Stop: 17696, Start Num: 108

Candidate Starts for Kuwabara_19:

(Start: 108 @15987 has 545 MA's), (118, 15999), (Start: 120 @16002 has 4 MA's), (251, 16299), (Start: 268 @16350 has 11 MA's), (272, 16359), (281, 16377), (299, 16419), (301, 16425), (310, 16455), (318, 16473), (347, 16524), (350, 16530), (359, 16560), (390, 16602), (397, 16623), (401, 16629), (407, 16653), (430, 16704), (431, 16707), (444, 16737), (545, 16887), (556, 16923), (605, 17049), (628, 17115), (687, 17238), (694, 17259), (698, 17271), (701, 17277), (705, 17286), (707, 17289), (737, 17343), (745, 17373), (763, 17442), (792, 17529), (794, 17535), (812, 17586), (822, 17631), (833, 17673), (840, 17691),

Gene: Kwekel_32 Start: 27487, Stop: 29106, Start Num: 125

Candidate Starts for Kwekel_32:

(Start: 125 @27487 has 11 MA's), (131, 27493), (136, 27508), (173, 27571), (227, 27694), (232, 27706), (257, 27763), (292, 27841), (343, 27964), (430, 28078), (443, 28108), (462, 28150), (490, 28213), (515, 28261), (520, 28270), (546, 28333), (558, 28369), (622, 28534), (623, 28537), (667, 28564), (688, 28615), (711, 28672), (712, 28675), (725, 28711), (727, 28720), (740, 28777), (742, 28783), (743, 28789), (756, 28837), (759, 28846), (760, 28852), (761, 28855), (772, 28894), (776, 28906), (795, 28951), (818, 29020), (830, 29068), (833, 29080), (838, 29095),

Gene: KyMonks1A_29 Start: 21439, Stop: 23241, Start Num: 109

Candidate Starts for KyMonks1A_29:

(Start: 109 @21439 has 207 MA's), (Start: 124 @21460 has 4 MA's), (Start: 146 @21502 has 1 MA's), (171, 21547), (264, 21763), (283, 21808), (289, 21817), (301, 21856), (321, 21907), (322, 21910), (413, 22105), (449, 22174), (549, 22375), (551, 22378), (556, 22399), (596, 22495), (597, 22498), (599, 22504), (623, 22573), (628, 22591), (630, 22600), (639, 22630), (681, 22726), (693, 22759), (698, 22774), (745, 22915), (760, 22972), (794, 23083),

Gene: Kyee_27 Start: 19828, Stop: 21606, Start Num: 108

Candidate Starts for Kyee_27:

(Start: 90 @19804 has 8 MA's), (Start: 108 @19828 has 545 MA's), (Start: 146 @19885 has 1 MA's), (Start: 175 @19939 has 47 MA's), (179, 19954), (184, 19972), (227, 20056), (232, 20068), (233, 20071), (264, 20146), (Start: 268 @20161 has 11 MA's), (289, 20200), (338, 20317), (373, 20404), (412, 20485), (435, 20533), (449, 20557), (495, 20644), (522, 20689), (551, 20761), (556, 20782), (563, 20800), (597, 20881), (628, 20974), (630, 20983), (637, 21007), (639, 21013), (647, 21037), (681, 21091), (689, 21112), (710, 21163), (719, 21187), (760, 21337), (792, 21442), (795, 21457), (828, 21565), (833, 21583),

Gene: Kykar_25 Start: 20786, Stop: 22588, Start Num: 109

Candidate Starts for Kykar_25:

(Start: 109 @20786 has 207 MA's), (Start: 124 @20807 has 4 MA's), (Start: 146 @20849 has 1 MA's), (171, 20894), (264, 21110), (283, 21155), (289, 21164), (301, 21203), (321, 21254), (322, 21257), (413, 21452), (449, 21521), (549, 21722), (551, 21725), (556, 21746), (596, 21842), (597, 21845), (599, 21851), (623, 21920), (628, 21938), (630, 21947), (639, 21977), (681, 22073), (693, 22106), (698, 22121), (745, 22262), (760, 22319), (794, 22430), (840, 22583),

Gene: L5_28 Start: 19340, Stop: 21130, Start Num: 108

Candidate Starts for L5_28:

(65, 19274), (Start: 90 @19316 has 8 MA's), (Start: 108 @19340 has 545 MA's), (148, 19394), (189, 19493), (208, 19538), (232, 19574), (233, 19577), (262, 19649), (264, 19652), (289, 19706), (292, 19712), (318, 19790), (338, 19823), (341, 19829), (356, 19868), (373, 19910), (412, 19991), (413, 19994), (513, 20180), (549, 20264), (563, 20306), (583, 20357), (597, 20387), (637, 20513), (683, 20624), (685, 20627), (693, 20648), (698, 20663), (710, 20687), (735, 20762), (738, 20777), (760,

20861), (792, 20966), (794, 20972), (798, 20990), (809, 21017), (813, 21026),

Gene: LBerry_29 Start: 20379, Stop: 22175, Start Num: 108

Candidate Starts for LBerry_29:

(Start: 108 @20379 has 545 MA's), (Start: 146 @20436 has 1 MA's), (154, 20451), (173, 20484), (179, 20505), (Start: 183 @20520 has 1 MA's), (227, 20607), (232, 20619), (233, 20622), (264, 20697), (Start: 268 @20712 has 11 MA's), (288, 20748), (373, 20955), (430, 21069), (449, 21108), (495, 21195), (549, 21309), (556, 21333), (563, 21351), (597, 21432), (623, 21507), (628, 21525), (637, 21558), (639, 21564), (653, 21603), (680, 21657), (681, 21660), (689, 21681), (713, 21738), (760, 21906), (792, 22011), (794, 22017), (833, 22152),

Gene: LHTSCC_28 Start: 20138, Stop: 21919, Start Num: 108

Candidate Starts for LHTSCC_28:

(Start: 90 @20114 has 8 MA's), (Start: 108 @20138 has 545 MA's), (Start: 112 @20144 has 3 MA's), (Start: 146 @20198 has 1 MA's), (154, 20213), (179, 20267), (184, 20285), (227, 20369), (232, 20381), (233, 20384), (264, 20459), (Start: 268 @20474 has 11 MA's), (289, 20513), (338, 20630), (373, 20717), (412, 20798), (435, 20846), (449, 20870), (495, 20957), (522, 21002), (551, 21074), (556, 21095), (563, 21113), (597, 21194), (623, 21269), (628, 21287), (630, 21296), (637, 21320), (639, 21326), (647, 21350), (678, 21392), (681, 21404), (689, 21425), (710, 21476), (719, 21500), (736, 21554), (760, 21650), (792, 21755), (795, 21770), (828, 21878), (833, 21896),

Gene: LadyBird_28 Start: 20171, Stop: 21943, Start Num: 108

Candidate Starts for LadyBird_28:

(Start: 90 @20147 has 8 MA's), (Start: 108 @20171 has 545 MA's), (173, 20270), (232, 20405), (233, 20408), (262, 20480), (264, 20483), (289, 20537), (292, 20543), (301, 20576), (338, 20654), (373, 20741), (412, 20822), (413, 20825), (551, 21098), (592, 21203), (597, 21218), (637, 21344), (639, 21350), (669, 21398), (693, 21461), (698, 21476), (701, 21482), (714, 21512), (724, 21536), (735, 21575), (738, 21590), (760, 21674),

Gene: Lamberg_17 Start: 14694, Stop: 16403, Start Num: 195

Candidate Starts for Lamberg_17:

(Start: 195 @14694 has 39 MA's), (244, 14811), (269, 14883), (301, 14961), (359, 15084), (368, 15105), (405, 15174), (406, 15177), (431, 15234), (462, 15309), (487, 15363), (516, 15444), (541, 15504), (604, 15669), (610, 15687), (614, 15702), (625, 15726), (647, 15798), (648, 15801), (655, 15822), (742, 16056), (746, 16071), (757, 16113), (785, 16206), (787, 16209), (797, 16257), (810, 16287), (824, 16344),

Gene: Lambert1_28 Start: 20455, Stop: 22254, Start Num: 108

Candidate Starts for Lambert1_28:

(Start: 108 @20455 has 545 MA's), (Start: 146 @20515 has 1 MA's), (179, 20584), (227, 20686), (232, 20698), (233, 20701), (264, 20776), (Start: 268 @20791 has 11 MA's), (289, 20830), (347, 20965), (373, 21034), (430, 21148), (495, 21274), (549, 21388), (556, 21412), (559, 21424), (563, 21430), (597, 21511), (623, 21586), (628, 21604), (630, 21613), (637, 21637), (639, 21643), (645, 21658), (662, 21691), (680, 21736), (681, 21739), (689, 21760), (736, 21889), (760, 21985), (792, 22090), (794, 22096), (833, 22231),

Gene: Lamina13_27 Start: 20710, Stop: 22512, Start Num: 109

Candidate Starts for Lamina13_27:

(Start: 109 @20710 has 207 MA's), (Start: 124 @20731 has 4 MA's), (Start: 146 @20773 has 1 MA's), (171, 20818), (264, 21034), (283, 21079), (289, 21088), (301, 21127), (321, 21178), (322, 21181), (365, 21274), (413, 21376), (449, 21445), (545, 21634), (549, 21646), (551, 21649), (556, 21670), (596, 21766), (597, 21769), (599, 21775), (623, 21844), (628, 21862), (630, 21871), (639, 21901), (681, 21997), (693, 22030), (698, 22045), (745, 22186), (760, 22243), (794, 22354),

Gene: Landor_29 Start: 21788, Stop: 23560, Start Num: 108

Candidate Starts for Landor_29:

(Start: 90 @21764 has 8 MA's), (Start: 108 @21788 has 545 MA's), (Start: 183 @21923 has 1 MA's), (189, 21941), (232, 22022), (233, 22025), (262, 22097), (264, 22100), (306, 22211), (318, 22238), (338, 22271), (356, 22316), (373, 22358), (413, 22442), (495, 22598), (515, 22631), (592, 22820), (597, 22835), (637, 22961), (639, 22967), (693, 23078), (698, 23093), (701, 23099), (724, 23153), (735, 23192), (738, 23207), (760, 23291), (792, 23396), (794, 23402), (798, 23420), (809, 23447),

Gene: Langerak_19 Start: 16369, Stop: 18105, Start Num: 82

Candidate Starts for Langerak_19:

(Start: 71 @16345 has 2 MA's), (Start: 82 @16369 has 44 MA's), (128, 16429), (136, 16450), (138, 16453), (Start: 195 @16573 has 39 MA's), (213, 16612), (232, 16645), (244, 16669), (296, 16789), (306, 16828), (309, 16834), (351, 16918), (352, 16924), (356, 16936), (365, 16960), (379, 16987), (400, 17005), (417, 17044), (420, 17050), (430, 17074), (456, 17128), (461, 17140), (463, 17149), (490, 17209), (526, 17287), (541, 17326), (554, 17359), (573, 17425), (578, 17440), (584, 17449), (594, 17473), (605, 17503), (610, 17515), (682, 17617), (689, 17629), (691, 17632), (692, 17638), (695, 17647), (734, 17755), (755, 17839), (787, 17938), (824, 18046), (838, 18094),

Gene: LappelDuVide_27 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for LappelDuVide_27:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (736, 21237), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: Larenn_29 Start: 20468, Stop: 22240, Start Num: 108

Candidate Starts for Larenn_29:

(Start: 90 @20444 has 8 MA's), (Start: 108 @20468 has 545 MA's), (Start: 183 @20603 has 1 MA's), (189, 20621), (232, 20702), (233, 20705), (244, 20735), (262, 20777), (264, 20780), (289, 20834), (292, 20840), (310, 20903), (318, 20918), (338, 20951), (352, 20984), (373, 21038), (412, 21119), (413, 21122), (430, 21152), (551, 21395), (592, 21500), (597, 21515), (639, 21647), (693, 21758), (698, 21773), (701, 21779), (724, 21833), (735, 21872), (738, 21887), (747, 21920), (794, 22082), (813, 22136),

Gene: LarryKay_29 Start: 20465, Stop: 22261, Start Num: 108

Candidate Starts for LarryKay_29:

(Start: 108 @20465 has 545 MA's), (Start: 146 @20522 has 1 MA's), (154, 20537), (173, 20570), (179, 20591), (Start: 183 @20606 has 1 MA's), (227, 20693), (232, 20705), (233, 20708), (264, 20783), (Start: 268 @20798 has 11 MA's), (288, 20834), (373, 21041), (430, 21155), (449, 21194), (495, 21281), (549, 21395), (556, 21419), (563, 21437), (597, 21518), (623, 21593), (628, 21611), (637, 21644), (639, 21650), (653, 21689), (680, 21743), (681, 21746), (689, 21767), (713, 21824), (760, 21992), (792, 22097), (794, 22103), (833, 22238),

Gene: LastHope_23 Start: 16451, Stop: 18217, Start Num: 79

Candidate Starts for LastHope_23:

(Start: 79 @16451 has 139 MA's), (101, 16481), (184, 16640), (Start: 196 @16673 has 7 MA's), (210, 16703), (227, 16748), (234, 16766), (266, 16838), (310, 16952), (315, 16961), (338, 17000), (357, 17048), (363, 17066), (365, 17069), (393, 17123), (399, 17141), (412, 17183), (418, 17189), (430, 17216), (447, 17252), (515, 17354), (525, 17372), (548, 17432), (558, 17462), (573, 17489), (612,

17594), (681, 17753), (694, 17789), (706, 17819), (745, 17903), (759, 17954), (795, 18053), (798, 18062), (815, 18104), (834, 18188), (835, 18191), (843, 18209),

Gene: LastJedi_16 Start: 14805, Stop: 16514, Start Num: 87

Candidate Starts for LastJedi_16:

(Start: 87 @14805 has 207 MA's), (150, 14892), (Start: 175 @14937 has 47 MA's), (182, 14961), (230, 15066), (233, 15072), (242, 15090), (257, 15120), (300, 15225), (323, 15285), (338, 15306), (342, 15315), (352, 15339), (420, 15465), (427, 15480), (429, 15486), (445, 15522), (448, 15525), (455, 15537), (456, 15543), (474, 15591), (480, 15603), (484, 15609), (515, 15669), (522, 15681), (538, 15717), (541, 15729), (571, 15804), (573, 15813), (581, 15831), (584, 15837), (596, 15867), (667, 15972), (671, 15981), (673, 15984), (687, 16020), (716, 16098), (744, 16197), (751, 16218), (759, 16251), (768, 16281), (776, 16311), (779, 16320), (781, 16326), (792, 16341), (793, 16344), (800, 16368), (813, 16398), (817, 16410), (822, 16440), (833, 16482),

Gene: LastResort_30 Start: 19096, Stop: 20883, Start Num: 108

Candidate Starts for LastResort_30:

(65, 19030), (Start: 90 @19072 has 8 MA's), (Start: 108 @19096 has 545 MA's), (184, 19234), (207, 19291), (233, 19333), (247, 19369), (264, 19408), (295, 19477), (301, 19501), (322, 19555), (399, 19705), (413, 19750), (430, 19780), (446, 19816), (468, 19867), (493, 19903), (522, 19951), (546, 20011), (596, 20140), (623, 20218), (698, 20419), (701, 20425), (736, 20521), (782, 20686), (815, 20785),

Gene: LaterM_23 Start: 17116, Stop: 18882, Start Num: 79

Candidate Starts for LaterM_23:

(Start: 79 @17116 has 139 MA's), (101, 17146), (184, 17305), (Start: 196 @17338 has 7 MA's), (210, 17368), (221, 17401), (227, 17413), (266, 17503), (283, 17539), (288, 17545), (310, 17617), (315, 17626), (338, 17665), (356, 17710), (363, 17731), (365, 17734), (399, 17806), (412, 17848), (418, 17854), (430, 17881), (447, 17917), (479, 17974), (515, 18019), (525, 18037), (548, 18097), (558, 18127), (573, 18154), (612, 18259), (641, 18349), (681, 18418), (694, 18454), (706, 18484), (718, 18493), (745, 18568), (759, 18619), (795, 18718), (815, 18769), (834, 18853), (835, 18856), (843, 18874),

Gene: Latretium_17 Start: 15486, Stop: 17195, Start Num: 87

Candidate Starts for Latretium_17:

(Start: 87 @15486 has 207 MA's), (150, 15573), (161, 15594), (Start: 175 @15618 has 47 MA's), (182, 15642), (187, 15663), (230, 15747), (233, 15753), (242, 15771), (257, 15801), (300, 15906), (323, 15966), (329, 15975), (338, 15987), (342, 15996), (351, 16014), (352, 16020), (368, 16062), (396, 16095), (402, 16107), (408, 16122), (410, 16128), (420, 16146), (427, 16161), (429, 16167), (436, 16188), (448, 16206), (455, 16218), (456, 16224), (474, 16272), (480, 16284), (484, 16290), (515, 16350), (522, 16362), (538, 16398), (541, 16410), (571, 16485), (573, 16494), (581, 16512), (584, 16518), (596, 16548), (667, 16653), (671, 16662), (673, 16665), (687, 16701), (716, 16779), (744, 16878), (751, 16899), (759, 16932), (768, 16962), (776, 16992), (779, 17001), (781, 17007), (792, 17022), (793, 17025), (800, 17049), (813, 17079), (817, 17091), (822, 17121), (833, 17163),

Gene: LeMond_22 Start: 16387, Stop: 18156, Start Num: 75

Candidate Starts for LeMond_22:

(Start: 62 @16357 has 1 MA's), (Start: 75 @16387 has 25 MA's), (Start: 78 @16393 has 41 MA's), (101, 16420), (122, 16447), (179, 16561), (Start: 196 @16612 has 7 MA's), (221, 16675), (266, 16777), (Start: 268 @16783 has 11 MA's), (299, 16855), (310, 16891), (315, 16900), (338, 16939), (357, 16987), (363, 17005), (383, 17044), (384, 17047), (393, 17062), (395, 17074), (399, 17080), (412, 17122), (418, 17128), (430, 17155), (515, 17293), (525, 17311), (531, 17323), (558, 17401), (593, 17473), (597, 17485), (612, 17533), (636, 17608), (681, 17692), (693, 17725), (695, 17731), (706, 17758), (745, 17842), (747, 17848), (759, 17893), (760, 17899), (795, 17992), (824, 18088), (843,

18148),

Gene: Lederberg_17 Start: 16305, Stop: 18002, Start Num: 83

Candidate Starts for Lederberg_17:

(Start: 83 @16305 has 8 MA's), (Start: 99 @16326 has 4 MA's), (153, 16410), (169, 16437), (171, 16443), (229, 16575), (251, 16626), (264, 16659), (266, 16668), (321, 16803), (341, 16836), (350, 16854), (369, 16908), (399, 16953), (423, 17010), (428, 17022), (444, 17061), (500, 17112), (507, 17121), (517, 17142), (545, 17208), (576, 17298), (619, 17406), (634, 17460), (637, 17466), (647, 17484), (703, 17580), (720, 17601), (737, 17646), (782, 17805), (789, 17820), (793, 17835), (795, 17847), (838, 17991),

Gene: Lemur_27 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for Lemur_27:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (736, 21237), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: Lemuria_19 Start: 16718, Stop: 18526, Start Num: 58

Candidate Starts for Lemuria_19:

(Start: 58 @16718 has 1 MA's), (154, 16865), (179, 16919), (Start: 196 @16970 has 7 MA's), (219, 17024), (255, 17102), (283, 17171), (288, 17177), (399, 17447), (403, 17456), (412, 17489), (418, 17495), (434, 17534), (452, 17564), (480, 17618), (515, 17660), (573, 17801), (612, 17906), (623, 17933), (632, 17969), (636, 17981), (693, 18098), (728, 18161), (733, 18176), (741, 18200), (759, 18266), (795, 18365), (836, 18506),

Gene: LeoAvram_27 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for LeoAvram_27:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (493, 20637), (495, 20640), (522, 20685), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: Leogania_30 Start: 22330, Stop: 24102, Start Num: 108

Candidate Starts for Leogania_30:

(Start: 90 @22306 has 8 MA's), (Start: 108 @22330 has 545 MA's), (Start: 183 @22465 has 1 MA's), (189, 22483), (232, 22564), (233, 22567), (262, 22639), (264, 22642), (289, 22696), (338, 22813), (352, 22846), (373, 22900), (406, 22960), (412, 22981), (413, 22984), (513, 23170), (551, 23257), (563, 23296), (597, 23377), (637, 23503), (639, 23509), (647, 23533), (669, 23557), (693, 23620), (698, 23635), (701, 23641), (724, 23695), (735, 23734), (738, 23749), (785, 23914), (794, 23944),

Gene: Leonard_33 Start: 29137, Stop: 30762, Start Num: 123

Candidate Starts for Leonard_33:

(Start: 84 @29080 has 1 MA's), (Start: 123 @29137 has 17 MA's), (131, 29149), (Start: 147 @29182 has 45 MA's), (Start: 152 @29191 has 2 MA's), (159, 29203), (Start: 175 @29233 has 47 MA's), (184, 29266), (227, 29350), (232, 29362), (265, 29437), (292, 29497), (300, 29527), (430, 29734), (443, 29764), (462, 29806), (463, 29809), (490, 29869), (515, 29917), (546, 29989), (557, 30022), (558,

30025), (575, 30064), (593, 30103), (622, 30190), (623, 30193), (688, 30271), (712, 30331), (727, 30376), (747, 30457), (761, 30511), (795, 30607), (833, 30736), (838, 30751),

Gene: Leozinho_17 Start: 14652, Stop: 16361, Start Num: 87

Candidate Starts for Leozinho_17:

(Start: 87 @14652 has 207 MA's), (150, 14739), (Start: 175 @14784 has 47 MA's), (182, 14808), (230, 14913), (233, 14919), (242, 14937), (257, 14967), (300, 15072), (323, 15132), (338, 15153), (342, 15162), (351, 15180), (352, 15186), (420, 15312), (427, 15327), (429, 15333), (445, 15369), (448, 15372), (455, 15384), (456, 15390), (474, 15438), (480, 15450), (484, 15456), (515, 15516), (522, 15528), (538, 15564), (541, 15576), (571, 15651), (573, 15660), (581, 15678), (584, 15684), (596, 15714), (667, 15819), (671, 15828), (673, 15831), (687, 15867), (716, 15945), (744, 16044), (751, 16065), (759, 16098), (768, 16128), (776, 16158), (779, 16167), (781, 16173), (792, 16188), (793, 16191), (800, 16215), (813, 16245), (817, 16257), (822, 16287), (833, 16329),

Gene: Leperchaun_16 Start: 14796, Stop: 16505, Start Num: 87

Candidate Starts for Leperchaun_16:

(Start: 87 @14796 has 207 MA's), (150, 14883), (Start: 175 @14928 has 47 MA's), (182, 14952), (230, 15057), (233, 15063), (242, 15081), (257, 15111), (300, 15216), (320, 15270), (323, 15276), (338, 15297), (342, 15306), (352, 15330), (420, 15456), (427, 15471), (429, 15477), (445, 15513), (448, 15516), (455, 15528), (456, 15534), (474, 15582), (480, 15594), (484, 15600), (515, 15660), (522, 15672), (538, 15708), (541, 15720), (571, 15795), (573, 15804), (581, 15822), (584, 15828), (596, 15858), (667, 15963), (673, 15975), (687, 16011), (716, 16089), (751, 16209), (759, 16242), (768, 16272), (771, 16284), (776, 16302), (779, 16311), (781, 16317), (792, 16332), (793, 16335), (800, 16359), (817, 16401), (822, 16431), (833, 16473),

Gene: Lesedi_26 Start: 20868, Stop: 22670, Start Num: 109

Candidate Starts for Lesedi_26:

(Start: 109 @20868 has 207 MA's), (Start: 124 @20889 has 4 MA's), (Start: 146 @20931 has 1 MA's), (171, 20976), (264, 21192), (283, 21237), (289, 21246), (301, 21285), (321, 21336), (322, 21339), (413, 21534), (449, 21603), (549, 21804), (551, 21807), (556, 21828), (596, 21924), (597, 21927), (599, 21933), (623, 22002), (628, 22020), (630, 22029), (639, 22059), (681, 22155), (693, 22188), (698, 22203), (745, 22344), (760, 22401), (794, 22512),

Gene: Leston_21 Start: 17625, Stop: 19397, Start Num: 81

Candidate Starts for Leston_21:

(Start: 81 @17625 has 15 MA's), (86, 17631), (103, 17655), (129, 17688), (154, 17736), (179, 17790), (Start: 196 @17841 has 7 MA's), (221, 17904), (Start: 268 @18012 has 11 MA's), (310, 18120), (363, 18234), (365, 18237), (393, 18291), (395, 18303), (399, 18309), (412, 18351), (418, 18357), (434, 18396), (447, 18420), (515, 18522), (542, 18585), (557, 18630), (612, 18765), (645, 18864), (683, 18942), (693, 18966), (695, 18972), (701, 18987), (745, 19083), (747, 19089), (798, 19242), (829, 19347), (830, 19350), (834, 19368),

Gene: Lev2_24 Start: 19477, Stop: 21276, Start Num: 108

Candidate Starts for Lev2_24:

(Start: 108 @19477 has 545 MA's), (Start: 175 @19582 has 47 MA's), (184, 19615), (233, 19714), (264, 19789), (Start: 268 @19804 has 11 MA's), (288, 19840), (310, 19912), (318, 19927), (338, 19960), (341, 19966), (441, 20191), (446, 20197), (495, 20287), (546, 20392), (549, 20401), (563, 20443), (569, 20461), (596, 20521), (597, 20524), (623, 20599), (628, 20617), (680, 20758), (693, 20794), (760, 21007), (791, 21109), (794, 21118), (827, 21232), (833, 21253), (835, 21262),

Gene: Leviathan_30 Start: 20689, Stop: 22461, Start Num: 108

Candidate Starts for Leviathan_30:

(Start: 90 @20665 has 8 MA's), (Start: 108 @20689 has 545 MA's), (154, 20755), (173, 20788), (202, 20872), (232, 20923), (233, 20926), (262, 20998), (264, 21001), (289, 21055), (301, 21094), (338, 21172), (373, 21259), (412, 21340), (413, 21343), (513, 21529), (551, 21616), (592, 21721), (597, 21736), (637, 21862), (639, 21868), (669, 21916), (698, 21994), (701, 22000), (724, 22054), (735, 22093), (738, 22108), (760, 22192), (794, 22303),

Gene: Licorice_29 Start: 22097, Stop: 23899, Start Num: 109

Candidate Starts for Licorice_29:

(Start: 109 @22097 has 207 MA's), (Start: 124 @22118 has 4 MA's), (Start: 146 @22160 has 1 MA's), (171, 22205), (264, 22421), (283, 22466), (289, 22475), (301, 22514), (321, 22565), (322, 22568), (413, 22763), (449, 22832), (549, 23033), (551, 23036), (556, 23057), (596, 23153), (597, 23156), (599, 23162), (623, 23231), (628, 23249), (630, 23258), (639, 23288), (681, 23384), (693, 23417), (698, 23432), (745, 23573), (760, 23630), (794, 23741), (840, 23894),

Gene: Liefie_18 Start: 16648, Stop: 18402, Start Num: 97

Candidate Starts for Liefie_18:

(Start: 75 @16639 has 25 MA's), (Start: 97 @16648 has 44 MA's), (101, 16654), (Start: 105 @16660 has 8 MA's), (154, 16738), (179, 16792), (Start: 196 @16843 has 7 MA's), (210, 16873), (219, 16897), (264, 16999), (279, 17038), (283, 17044), (292, 17059), (304, 17104), (359, 17224), (385, 17281), (399, 17320), (418, 17368), (430, 17395), (434, 17407), (479, 17488), (515, 17533), (597, 17731), (606, 17761), (612, 17779), (623, 17806), (648, 17890), (665, 17908), (677, 17923), (693, 17971), (698, 17986), (733, 18049), (751, 18106), (760, 18145), (776, 18187), (795, 18238), (824, 18334), (843, 18394),

Gene: LilBib_28 Start: 22310, Stop: 24112, Start Num: 109

Candidate Starts for LilBib_28:

(Start: 109 @22310 has 207 MA's), (Start: 124 @22331 has 4 MA's), (Start: 146 @22373 has 1 MA's), (171, 22418), (264, 22634), (283, 22679), (289, 22688), (301, 22727), (321, 22778), (322, 22781), (413, 22976), (449, 23045), (549, 23246), (551, 23249), (556, 23270), (596, 23366), (597, 23369), (599, 23375), (623, 23444), (628, 23462), (630, 23471), (639, 23501), (681, 23597), (693, 23630), (698, 23645), (713, 23675), (745, 23786), (760, 23843), (794, 23954),

Gene: LilHazelnut_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for LilHazelnut_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197 @17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406, 18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: LilMoolah_16 Start: 14938, Stop: 16647, Start Num: 87

Candidate Starts for LilMoolah_16:

(Start: 87 @14938 has 207 MA's), (150, 15025), (Start: 175 @15070 has 47 MA's), (182, 15094), (203, 15151), (230, 15199), (233, 15205), (242, 15223), (257, 15253), (300, 15358), (320, 15412), (323, 15418), (329, 15427), (342, 15448), (352, 15472), (365, 15508), (368, 15514), (396, 15547), (398, 15550), (402, 15559), (408, 15574), (410, 15580), (420, 15598), (427, 15613), (429, 15619), (435, 15637), (436, 15640), (445, 15655), (455, 15670), (456, 15676), (474, 15724), (480, 15736), (484, 15742), (515, 15802), (522, 15814), (538, 15850), (541, 15862), (571, 15937), (573, 15946), (581, 15964), (584, 15970), (596, 16000), (667, 16105), (673, 16117), (687, 16153), (716, 16231), (751,

16351), (759, 16384), (768, 16414), (771, 16426), (776, 16444), (778, 16450), (779, 16453), (781, 16459), (792, 16474), (793, 16477), (798, 16498), (800, 16501), (817, 16543), (822, 16573), (833, 16615), (834, 16621),

Gene: LilPharaoh_19 Start: 16697, Stop: 18463, Start Num: 79

Candidate Starts for LilPharaoh_19:

(Start: 79 @16697 has 139 MA's), (Start: 81 @16703 has 15 MA's), (101, 16727), (Start: 175 @16853 has 47 MA's), (179, 16868), (184, 16886), (210, 16949), (266, 17084), (Start: 268 @17090 has 11 MA's), (310, 17198), (315, 17207), (363, 17312), (395, 17381), (399, 17387), (410, 17423), (418, 17435), (447, 17498), (515, 17600), (525, 17618), (541, 17660), (542, 17663), (586, 17768), (612, 17840), (647, 17948), (649, 17954), (681, 17999), (701, 18053), (718, 18074), (745, 18149), (759, 18200), (795, 18299), (802, 18314), (815, 18350), (824, 18395), (834, 18434), (835, 18437), (843, 18455),

Gene: LilTurb_30 Start: 20692, Stop: 22464, Start Num: 108

Candidate Starts for LilTurb_30:

(Start: 90 @20668 has 8 MA's), (Start: 108 @20692 has 545 MA's), (173, 20791), (202, 20875), (232, 20926), (233, 20929), (262, 21001), (264, 21004), (289, 21058), (301, 21097), (338, 21175), (373, 21262), (412, 21343), (413, 21346), (513, 21532), (551, 21619), (592, 21724), (597, 21739), (637, 21865), (639, 21871), (669, 21919), (698, 21997), (701, 22003), (724, 22057), (735, 22096), (738, 22111), (760, 22195), (794, 22306),

Gene: Lilac_26 Start: 19243, Stop: 20922, Start Num: 94

Candidate Starts for Lilac_26:

(Start: 94 @19243 has 79 MA's), (Start: 147 @19327 has 45 MA's), (Start: 183 @19405 has 1 MA's), (227, 19492), (233, 19507), (257, 19555), (271, 19594), (306, 19681), (321, 19714), (342, 19750), (354, 19780), (356, 19786), (400, 19855), (424, 19885), (428, 19897), (429, 19900), (456, 19957), (517, 20089), (520, 20095), (547, 20161), (549, 20167), (556, 20191), (573, 20239), (584, 20263), (589, 20272), (616, 20347), (671, 20398), (678, 20413), (736, 20575), (742, 20602), (751, 20632), (780, 20737), (815, 20815), (822, 20851), (824, 20860), (833, 20893), (838, 20908),

Gene: Lilbeanie_30 Start: 24430, Stop: 26055, Start Num: 121

Candidate Starts for Lilbeanie_30:

(Start: 121 @24430 has 2 MA's), (Start: 125 @24436 has 11 MA's), (144, 24469), (163, 24502), (184, 24559), (266, 24739), (300, 24820), (343, 24913), (347, 24919), (351, 24928), (430, 25027), (434, 25039), (443, 25057), (462, 25099), (490, 25162), (517, 25213), (520, 25219), (575, 25357), (593, 25396), (594, 25399), (610, 25453), (612, 25459), (623, 25486), (667, 25513), (678, 25537), (688, 25564), (717, 25642), (727, 25669), (749, 25756), (756, 25786), (776, 25855), (786, 25882), (815, 25951), (816, 25954), (819, 25972), (829, 26014), (838, 26044),

Gene: Lilbunny_31 Start: 19971, Stop: 21743, Start Num: 108

Candidate Starts for Lilbunny_31:

(65, 19905), (Start: 90 @19947 has 8 MA's), (Start: 108 @19971 has 545 MA's), (233, 20208), (262, 20280), (264, 20283), (Start: 268 @20298 has 11 MA's), (289, 20337), (292, 20343), (338, 20454), (341, 20460), (356, 20499), (373, 20541), (399, 20580), (412, 20622), (413, 20625), (495, 20781), (557, 20922), (563, 20937), (639, 21150), (689, 21249), (698, 21276), (720, 21327), (724, 21336), (735, 21375), (738, 21390), (760, 21474), (792, 21579), (794, 21585), (833, 21720),

Gene: Lilith_29 Start: 20372, Stop: 22168, Start Num: 108

Candidate Starts for Lilith_29:

(Start: 108 @20372 has 545 MA's), (Start: 146 @20429 has 1 MA's), (154, 20444), (173, 20477), (179, 20498), (Start: 183 @20513 has 1 MA's), (227, 20600), (232, 20612), (233, 20615), (264, 20690), (Start: 268 @20705 has 11 MA's), (288, 20741), (373, 20948), (430, 21062), (449, 21101), (495,

21188), (549, 21302), (556, 21326), (563, 21344), (597, 21425), (623, 21500), (628, 21518), (637, 21551), (639, 21557), (653, 21596), (680, 21650), (681, 21653), (689, 21674), (713, 21731), (760, 21899), (792, 22004), (794, 22010), (833, 22145),

Gene: Lilizi_26 Start: 19451, Stop: 21130, Start Num: 94

Candidate Starts for Lilizi_26:

(Start: 94 @19451 has 79 MA's), (Start: 147 @19535 has 45 MA's), (Start: 183 @19613 has 1 MA's), (227, 19700), (233, 19715), (257, 19763), (271, 19802), (306, 19889), (321, 19922), (342, 19958), (354, 19988), (356, 19994), (400, 20063), (424, 20093), (428, 20105), (429, 20108), (456, 20165), (517, 20297), (520, 20303), (547, 20369), (549, 20375), (556, 20399), (573, 20447), (584, 20471), (589, 20480), (616, 20555), (671, 20606), (678, 20621), (736, 20783), (742, 20810), (751, 20840), (780, 20945), (815, 21023), (822, 21059), (824, 21068), (833, 21101), (838, 21116),

Gene: Lilleskat_28 Start: 21749, Stop: 23539, Start Num: 108

Candidate Starts for Lilleskat_28:

(Start: 105 @21746 has 8 MA's), (Start: 108 @21749 has 545 MA's), (232, 21983), (233, 21986), (262, 22058), (264, 22061), (Start: 268 @22076 has 11 MA's), (289, 22115), (292, 22121), (338, 22232), (373, 22319), (412, 22400), (413, 22403), (513, 22589), (540, 22652), (551, 22676), (553, 22682), (563, 22715), (597, 22796), (637, 22922), (651, 22964), (681, 23024), (693, 23057), (698, 23072), (735, 23171), (736, 23174), (738, 23186), (760, 23270), (780, 23336), (792, 23375), (794, 23381), (809, 23426), (824, 23483), (825, 23486),

Gene: Lillie_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for Lillie_23:

(Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (208, 16526), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (389, 16904), (392, 16910), (395, 16925), (397, 16928), (413, 16976), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: Lilpickle_23 Start: 18953, Stop: 20632, Start Num: 94

Candidate Starts for Lilpickle_23:

(Start: 94 @18953 has 79 MA's), (Start: 147 @19037 has 45 MA's), (Start: 183 @19115 has 1 MA's), (227, 19202), (233, 19217), (257, 19265), (271, 19304), (306, 19391), (321, 19424), (342, 19460), (354, 19490), (356, 19496), (400, 19565), (424, 19595), (428, 19607), (429, 19610), (456, 19667), (517, 19799), (520, 19805), (547, 19871), (549, 19877), (556, 19901), (573, 19949), (584, 19973), (589, 19982), (616, 20057), (671, 20108), (678, 20123), (736, 20285), (742, 20312), (751, 20342), (780, 20447), (815, 20525), (822, 20561), (824, 20570), (833, 20603), (838, 20618),

Gene: LindNT_23 Start: 17122, Stop: 18888, Start Num: 79

Candidate Starts for LindNT_23:

(Start: 79 @17122 has 139 MA's), (101, 17152), (184, 17311), (Start: 196 @17344 has 7 MA's), (210, 17374), (221, 17407), (227, 17419), (266, 17509), (288, 17551), (307, 17614), (310, 17623), (315, 17632), (338, 17671), (356, 17716), (363, 17737), (365, 17740), (399, 17812), (412, 17854), (418, 17860), (430, 17887), (515, 18025), (525, 18043), (541, 18085), (548, 18103), (558, 18133), (573, 18160), (612, 18265), (681, 18424), (694, 18460), (706, 18490), (718, 18499), (745, 18574), (759, 18625), (824, 18820), (834, 18859), (835, 18862), (843, 18880),

Gene: LittleB_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for LittleB_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403),

(412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: LittleCherry_24 Start: 19659, Stop: 21455, Start Num: 108

Candidate Starts for LittleCherry_24:

(Start: 108 @19659 has 545 MA's), (Start: 175 @19764 has 47 MA's), (184, 19797), (233, 19896), (264, 19971), (Start: 268 @19986 has 11 MA's), (288, 20022), (310, 20094), (318, 20109), (341, 20148), (352, 20175), (359, 20196), (381, 20235), (430, 20343), (441, 20373), (446, 20379), (522, 20514), (545, 20571), (546, 20574), (549, 20583), (563, 20625), (569, 20643), (596, 20703), (597, 20706), (628, 20799), (630, 20808), (637, 20832), (680, 20940), (693, 20976), (760, 21186), (791, 21288), (794, 21297), (827, 21411), (833, 21432), (835, 21441),

Gene: LittleE_37 Start: 28308, Stop: 30041, Start Num: 89

Candidate Starts for LittleE_37:

(Start: 89 @28308 has 30 MA's), (Start: 147 @28398 has 45 MA's), (150, 28401), (193, 28503), (227, 28569), (244, 28605), (259, 28635), (264, 28650), (298, 28734), (309, 28770), (321, 28797), (343, 28836), (356, 28869), (359, 28878), (398, 28935), (413, 28977), (453, 29052), (456, 29064), (480, 29124), (503, 29178), (517, 29208), (526, 29226), (531, 29235), (542, 29268), (547, 29280), (549, 29286), (561, 29325), (584, 29382), (678, 29532), (682, 29550), (700, 29592), (711, 29616), (712, 29619), (716, 29634), (727, 29664), (736, 29694), (751, 29751), (803, 29901), (835, 30021), (838, 30027),

Gene: LittleGuy_27 Start: 19770, Stop: 21548, Start Num: 108

Candidate Starts for LittleGuy_27:

(Start: 90 @19746 has 8 MA's), (Start: 108 @19770 has 545 MA's), (Start: 146 @19827 has 1 MA's), (Start: 175 @19881 has 47 MA's), (179, 19896), (184, 19914), (227, 19998), (232, 20010), (233, 20013), (264, 20088), (Start: 268 @20103 has 11 MA's), (289, 20142), (338, 20259), (373, 20346), (412, 20427), (435, 20475), (449, 20499), (495, 20586), (522, 20631), (551, 20703), (556, 20724), (563, 20742), (597, 20823), (628, 20916), (630, 20925), (637, 20949), (639, 20955), (647, 20979), (681, 21033), (689, 21054), (710, 21105), (719, 21129), (736, 21183), (760, 21279), (792, 21384), (795, 21399), (828, 21507), (833, 21525),

Gene: LittleShirley_17 Start: 14625, Stop: 16334, Start Num: 87

Candidate Starts for LittleShirley_17:

(Start: 87 @14625 has 207 MA's), (150, 14712), (161, 14733), (Start: 175 @14757 has 47 MA's), (182, 14781), (187, 14802), (230, 14886), (233, 14892), (242, 14910), (257, 14940), (300, 15045), (323, 15105), (338, 15126), (342, 15135), (352, 15159), (396, 15234), (398, 15237), (402, 15246), (408, 15261), (410, 15267), (420, 15285), (427, 15300), (429, 15306), (436, 15327), (445, 15342), (455, 15357), (456, 15363), (474, 15411), (480, 15423), (484, 15429), (515, 15489), (522, 15501), (538, 15537), (541, 15549), (571, 15624), (573, 15633), (581, 15651), (584, 15657), (596, 15687), (667, 15792), (673, 15804), (687, 15840), (716, 15918), (751, 16038), (759, 16071), (768, 16101), (771, 16113), (776, 16131), (778, 16137), (779, 16140), (781, 16146), (792, 16161), (793, 16164), (798, 16185), (800, 16188), (817, 16230), (822, 16260), (833, 16302), (834, 16308),

Gene: Lizziana_16 Start: 14813, Stop: 16522, Start Num: 87

Candidate Starts for Lizziana_16:

(Start: 87 @14813 has 207 MA's), (150, 14900), (Start: 175 @14945 has 47 MA's), (182, 14969), (230, 15074), (233, 15080), (242, 15098), (257, 15128), (300, 15233), (320, 15287), (323, 15293), (329, 15302), (342, 15323), (352, 15347), (365, 15383), (368, 15389), (396, 15422), (398, 15425), (402, 15434), (408, 15449), (410, 15455), (420, 15473), (427, 15488), (429, 15494), (435, 15512), (436, 15515), (445, 15530), (455, 15545), (456, 15551), (474, 15599), (480, 15611), (484, 15617), (515,

15677), (522, 15689), (538, 15725), (541, 15737), (571, 15812), (573, 15821), (581, 15839), (584, 15845), (596, 15875), (667, 15980), (673, 15992), (687, 16028), (716, 16106), (751, 16226), (759, 16259), (768, 16289), (771, 16301), (776, 16319), (778, 16325), (779, 16328), (781, 16334), (792, 16349), (793, 16352), (798, 16373), (800, 16376), (817, 16418), (822, 16448), (833, 16490), (834, 16496),

Gene: Llama_16 Start: 15041, Stop: 16750, Start Num: 87

Candidate Starts for Llama_16:

(Start: 87 @15041 has 207 MA's), (150, 15128), (161, 15149), (Start: 175 @15173 has 47 MA's), (182, 15197), (187, 15218), (230, 15302), (233, 15308), (242, 15326), (257, 15356), (300, 15461), (320, 15515), (323, 15521), (337, 15539), (338, 15542), (342, 15551), (352, 15575), (396, 15650), (402, 15662), (408, 15677), (410, 15683), (420, 15701), (427, 15716), (429, 15722), (438, 15749), (445, 15758), (455, 15773), (456, 15779), (474, 15827), (480, 15839), (484, 15845), (515, 15905), (522, 15917), (538, 15953), (541, 15965), (549, 15986), (571, 16040), (573, 16049), (581, 16067), (584, 16073), (596, 16103), (667, 16208), (671, 16217), (673, 16220), (687, 16256), (701, 16295), (716, 16334), (751, 16454), (759, 16487), (768, 16517), (776, 16547), (779, 16556), (781, 16562), (792, 16577), (793, 16580), (798, 16601), (800, 16604), (815, 16640), (817, 16646), (822, 16676), (833, 16718),

Gene: Llij_16 Start: 14790, Stop: 16499, Start Num: 87

Candidate Starts for Llij_16:

(Start: 87 @14790 has 207 MA's), (150, 14877), (Start: 175 @14922 has 47 MA's), (182, 14946), (203, 15003), (230, 15051), (233, 15057), (242, 15075), (257, 15105), (279, 15159), (300, 15210), (320, 15264), (323, 15270), (329, 15279), (342, 15300), (352, 15324), (365, 15360), (368, 15366), (396, 15399), (398, 15402), (402, 15411), (408, 15426), (410, 15432), (420, 15450), (427, 15465), (429, 15471), (435, 15489), (436, 15492), (445, 15507), (455, 15522), (456, 15528), (474, 15576), (480, 15588), (484, 15594), (515, 15654), (522, 15666), (538, 15702), (541, 15714), (571, 15789), (573, 15798), (581, 15816), (584, 15822), (596, 15852), (667, 15957), (673, 15969), (687, 16005), (716, 16083), (751, 16203), (759, 16236), (768, 16266), (771, 16278), (776, 16296), (778, 16302), (779, 16305), (781, 16311), (792, 16326), (793, 16329), (798, 16350), (800, 16353), (817, 16395), (822, 16425), (833, 16467), (834, 16473),

Gene: Llorens_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Llorens_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: LochMonster_27 Start: 19802, Stop: 21580, Start Num: 108

Candidate Starts for LochMonster_27:

(Start: 90 @19778 has 8 MA's), (Start: 108 @19802 has 545 MA's), (Start: 146 @19859 has 1 MA's), (Start: 175 @19913 has 47 MA's), (179, 19928), (184, 19946), (227, 20030), (232, 20042), (233, 20045), (264, 20120), (Start: 268 @20135 has 11 MA's), (289, 20174), (338, 20291), (373, 20378), (412, 20459), (435, 20507), (449, 20531), (495, 20618), (522, 20663), (551, 20735), (556, 20756), (563, 20774), (628, 20948), (630, 20957), (637, 20981), (639, 20987), (647, 21011), (681, 21065), (689, 21086), (710, 21137), (719, 21161), (736, 21215), (760, 21311), (792, 21416), (795, 21431), (828, 21539), (833, 21557),

Gene: Lockley_27 Start: 21053, Stop: 22855, Start Num: 109

Candidate Starts for Lockley_27:

(Start: 109 @21053 has 207 MA's), (Start: 124 @21074 has 4 MA's), (Start: 146 @21116 has 1 MA's), (171, 21161), (264, 21377), (283, 21422), (289, 21431), (321, 21521), (322, 21524), (413, 21719), (449, 21788), (477, 21848), (545, 21977), (549, 21989), (551, 21992), (556, 22013), (596, 22109), (597, 22112), (599, 22118), (623, 22187), (628, 22205), (630, 22214), (639, 22244), (681, 22340), (693, 22373), (698, 22388), (745, 22529), (760, 22586), (794, 22697),

Gene: Lökk_31 Start: 21813, Stop: 23609, Start Num: 90

Candidate Starts for Lökk_31:

(Start: 90 @21813 has 8 MA's), (Start: 108 @21837 has 545 MA's), (202, 22020), (232, 22071), (233, 22074), (262, 22146), (264, 22149), (289, 22203), (301, 22242), (338, 22320), (373, 22407), (412, 22488), (413, 22491), (434, 22533), (513, 22677), (551, 22764), (563, 22803), (597, 22884), (639, 23016), (693, 23127), (698, 23142), (701, 23148), (724, 23202), (735, 23241), (738, 23256), (747, 23289), (760, 23340), (784, 23418), (792, 23445), (794, 23451), (813, 23505),

Gene: Lollipop1437_46 Start: 31458, Stop: 33080, Start Num: 194

Candidate Starts for Lollipop1437_46:

(Start: 194 @31458 has 87 MA's), (243, 31575), (351, 31815), (353, 31827), (359, 31842), (401, 31908), (405, 31923), (457, 32034), (469, 32064), (470, 32067), (499, 32124), (532, 32196), (565, 32280), (570, 32301), (604, 32388), (622, 32436), (669, 32562), (670, 32565), (683, 32598), (713, 32655), (751, 32784), (760, 32823), (799, 32928), (820, 32991), (822, 33003), (825, 33015), (827, 33024), (838, 33060),

Gene: LoneWolf_29 Start: 21342, Stop: 23132, Start Num: 108

Candidate Starts for LoneWolf_29:

(Start: 108 @21342 has 545 MA's), (232, 21576), (233, 21579), (262, 21651), (264, 21654), (Start: 268 @21669 has 11 MA's), (289, 21708), (292, 21714), (301, 21747), (306, 21765), (338, 21825), (352, 21858), (373, 21912), (412, 21993), (413, 21996), (472, 22122), (513, 22182), (540, 22245), (551, 22269), (597, 22389), (637, 22515), (644, 22533), (651, 22557), (681, 22617), (693, 22650), (698, 22665), (735, 22764), (736, 22767), (738, 22779), (760, 22863), (780, 22929), (792, 22968), (794, 22974), (809, 23019), (824, 23076), (825, 23079),

Gene: Looper_31 Start: 19093, Stop: 20880, Start Num: 108

Candidate Starts for Looper_31:

(65, 19027), (Start: 90 @19069 has 8 MA's), (Start: 108 @19093 has 545 MA's), (184, 19231), (207, 19288), (233, 19330), (247, 19366), (264, 19405), (295, 19474), (301, 19498), (322, 19552), (399, 19702), (413, 19747), (430, 19777), (446, 19813), (468, 19864), (493, 19900), (522, 19948), (546, 20008), (596, 20137), (623, 20215), (698, 20416), (701, 20422), (736, 20518), (782, 20683), (815, 20782),

Gene: Lopton_28 Start: 22455, Stop: 24257, Start Num: 109

Candidate Starts for Lopton_28:

(Start: 109 @22455 has 207 MA's), (Start: 124 @22476 has 4 MA's), (Start: 146 @22518 has 1 MA's), (171, 22563), (264, 22779), (283, 22824), (289, 22833), (301, 22872), (321, 22923), (322, 22926), (413, 23121), (449, 23190), (549, 23391), (551, 23394), (556, 23415), (596, 23511), (597, 23514), (599, 23520), (623, 23589), (628, 23607), (630, 23616), (639, 23646), (681, 23742), (693, 23775), (698, 23790), (745, 23931), (760, 23988), (794, 24099),

Gene: LordFarquaad_17 Start: 14751, Stop: 16460, Start Num: 195

Candidate Starts for LordFarquaad_17:

(140, 14616), (Start: 195 @14751 has 39 MA's), (269, 14940), (270, 14943), (301, 15018), (328, 15072), (359, 15141), (363, 15153), (405, 15231), (406, 15234), (462, 15366), (487, 15420), (503, 15471), (516, 15501), (541, 15561), (546, 15573), (564, 15609), (604, 15726), (610, 15744), (625, 15783), (655, 15879), (701, 15987), (785, 16263), (787, 16266), (797, 16314), (810, 16344),

Gene: Lorde_17 Start: 14628, Stop: 16337, Start Num: 87

Candidate Starts for Lorde_17:

(Start: 87 @14628 has 207 MA's), (150, 14715), (Start: 175 @14760 has 47 MA's), (182, 14784), (203, 14841), (230, 14889), (233, 14895), (242, 14913), (257, 14943), (300, 15048), (320, 15102), (323, 15108), (329, 15117), (338, 15129), (342, 15138), (352, 15162), (365, 15198), (368, 15204), (374, 15216), (396, 15237), (398, 15240), (402, 15249), (408, 15264), (410, 15270), (420, 15288), (427, 15303), (429, 15309), (435, 15327), (436, 15330), (445, 15345), (455, 15360), (456, 15366), (466, 15396), (474, 15414), (480, 15426), (484, 15432), (515, 15492), (522, 15504), (538, 15540), (541, 15552), (549, 15573), (571, 15627), (573, 15636), (584, 15660), (596, 15690), (667, 15795), (673, 15807), (687, 15843), (701, 15882), (716, 15921), (744, 16020), (751, 16041), (759, 16074), (768, 16104), (776, 16134), (779, 16143), (781, 16149), (792, 16164), (793, 16167), (798, 16188), (800, 16191), (817, 16233), (822, 16263), (833, 16305), (834, 16311),

Gene: Lorenzo_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Lorenzo_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Loser_31 Start: 21942, Stop: 23714, Start Num: 108

Candidate Starts for Loser_31:

(Start: 90 @21918 has 8 MA's), (Start: 108 @21942 has 545 MA's), (202, 22125), (232, 22176), (233, 22179), (262, 22251), (264, 22254), (289, 22308), (292, 22314), (301, 22347), (338, 22425), (341, 22431), (347, 22443), (373, 22512), (410, 22587), (412, 22593), (413, 22596), (434, 22638), (549, 22866), (551, 22869), (563, 22908), (592, 22974), (597, 22989), (639, 23121), (669, 23169), (689, 23220), (693, 23232), (698, 23247), (701, 23253), (724, 23307), (738, 23361), (760, 23445), (780, 23511), (792, 23550), (794, 23556),

Gene: Louie6_29 Start: 20466, Stop: 22262, Start Num: 108

Candidate Starts for Louie6_29:

(Start: 108 @20466 has 545 MA's), (Start: 146 @20523 has 1 MA's), (154, 20538), (173, 20571), (179, 20592), (Start: 183 @20607 has 1 MA's), (227, 20694), (232, 20706), (233, 20709), (264, 20784), (Start: 268 @20799 has 11 MA's), (288, 20835), (373, 21042), (430, 21156), (449, 21195), (495, 21282), (549, 21396), (556, 21420), (563, 21438), (597, 21519), (623, 21594), (628, 21612), (637, 21645), (639, 21651), (653, 21690), (680, 21744), (681, 21747), (689, 21768), (713, 21825), (760, 21993), (792, 22098), (794, 22104), (833, 22239),

Gene: LouisV14_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for LouisV14_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Lozinak_48 Start: 29612, Stop: 31303, Start Num: 110

Candidate Starts for Lozinak_48:

(Start: 110 @29612 has 14 MA's), (144, 29672), (159, 29705), (174, 29735), (176, 29738), (244, 29897), (249, 29906), (301, 30035), (319, 30083), (456, 30296), (458, 30302), (466, 30326), (529, 30455), (538, 30476), (549, 30509), (616, 30707), (713, 30860), (742, 30959), (745, 30971), (748, 30980), (771, 31064), (823, 31211), (832, 31247),

Gene: Lton_17 Start: 14723, Stop: 16432, Start Num: 195

Candidate Starts for Lton_17:

(140, 14588), (Start: 195 @14723 has 39 MA's), (269, 14912), (270, 14915), (301, 14990), (328, 15044), (359, 15113), (405, 15203), (406, 15206), (462, 15338), (487, 15392), (516, 15473), (541, 15533), (543, 15539), (574, 15620), (604, 15698), (610, 15716), (625, 15755), (647, 15827), (648, 15830), (655, 15851), (742, 16085), (746, 16100), (757, 16142), (785, 16235), (787, 16238), (797, 16286), (810, 16316),

Gene: Luchador_30 Start: 20622, Stop: 22421, Start Num: 108

Candidate Starts for Luchador_30:

(Start: 105 @20619 has 8 MA's), (Start: 108 @20622 has 545 MA's), (Start: 183 @20757 has 1 MA's), (211, 20826), (233, 20859), (262, 20931), (264, 20934), (269, 20952), (292, 20994), (338, 21105), (356, 21150), (359, 21159), (373, 21192), (410, 21267), (412, 21273), (413, 21276), (441, 21336), (500, 21438), (540, 21525), (551, 21549), (563, 21588), (597, 21669), (665, 21867), (698, 21954), (701, 21960), (735, 22053), (792, 22257), (794, 22263),

Gene: Lucivia_28 Start: 20804, Stop: 22603, Start Num: 108

Candidate Starts for Lucivia_28:

(65, 20738), (Start: 90 @20780 has 8 MA's), (Start: 108 @20804 has 545 MA's), (141, 20846), (184, 20942), (189, 20957), (232, 21038), (233, 21041), (264, 21116), (Start: 268 @21131 has 11 MA's), (289, 21170), (292, 21176), (306, 21227), (338, 21287), (341, 21293), (373, 21374), (413, 21458), (472, 21584), (485, 21602), (507, 21629), (563, 21770), (592, 21836), (596, 21848), (597, 21851), (662, 22040), (674, 22067), (678, 22076), (683, 22097), (685, 22100), (693, 22121), (698, 22136), (710, 22160), (735, 22235), (738, 22250), (760, 22334), (792, 22439), (794, 22445), (813, 22499), (840, 22598),

Gene: Lucky2013_34 Start: 25206, Stop: 26939, Start Num: 89

Candidate Starts for Lucky2013_34:

(Start: 89 @25206 has 30 MA's), (Start: 147 @25296 has 45 MA's), (150, 25299), (193, 25401), (227, 25467), (244, 25503), (259, 25533), (264, 25548), (298, 25632), (309, 25668), (321, 25695), (343, 25734), (356, 25767), (359, 25776), (398, 25833), (413, 25875), (453, 25950), (456, 25962), (480, 26022), (503, 26076), (517, 26106), (526, 26124), (531, 26133), (542, 26166), (547, 26178), (549, 26184), (561, 26223), (584, 26280), (678, 26430), (682, 26448), (700, 26490), (711, 26514), (712, 26517), (716, 26532), (727, 26562), (736, 26592), (751, 26649), (803, 26799), (838, 26925),

Gene: Lucyedi_29 Start: 20875, Stop: 22665, Start Num: 108

Candidate Starts for Lucyedi_29:

(65, 20809), (Start: 90 @20851 has 8 MA's), (Start: 108 @20875 has 545 MA's), (189, 21028), (232, 21109), (233, 21112), (262, 21184), (264, 21187), (269, 21205), (279, 21226), (289, 21241), (292, 21247), (338, 21358), (352, 21391), (373, 21445), (412, 21526), (413, 21529), (513, 21715), (540, 21778), (551, 21802), (563, 21841), (597, 21922), (637, 22048), (665, 22111), (698, 22198), (735, 22297), (747, 22345), (760, 22396), (792, 22501), (794, 22507), (813, 22561),

Gene: LugYA_31 Start: 20379, Stop: 22175, Start Num: 108

Candidate Starts for LugYA_31:

(Start: 108 @20379 has 545 MA's), (Start: 146 @20436 has 1 MA's), (154, 20451), (173, 20484), (179, 20505), (Start: 183 @20520 has 1 MA's), (227, 20607), (232, 20619), (233, 20622), (264, 20697), (Start: 268 @20712 has 11 MA's), (288, 20748), (373, 20955), (430, 21069), (449, 21108), (495,

21195), (549, 21309), (556, 21333), (563, 21351), (597, 21432), (623, 21507), (628, 21525), (637, 21558), (639, 21564), (653, 21603), (680, 21657), (681, 21660), (689, 21681), (713, 21738), (760, 21906), (792, 22011), (794, 22017), (833, 22152),

Gene: Luke_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for Luke_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197 @17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406, 18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: Luna22_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for Luna22_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197 @17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406, 18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: LunaStella_18 Start: 15370, Stop: 17073, Start Num: 94

Candidate Starts for LunaStella_18:

(Start: 77 @15346 has 1 MA's), (80, 15352), (Start: 82 @15358 has 44 MA's), (Start: 94 @15370 has 79 MA's), (Start: 99 @15376 has 4 MA's), (Start: 175 @15496 has 47 MA's), (182, 15520), (190, 15544), (230, 15625), (233, 15631), (242, 15649), (257, 15679), (329, 15853), (342, 15874), (343, 15877), (357, 15913), (374, 15952), (410, 16006), (420, 16024), (422, 16027), (427, 16039), (429, 16045), (445, 16081), (456, 16102), (462, 16120), (474, 16150), (480, 16162), (484, 16168), (515, 16228), (538, 16276), (555, 16321), (571, 16363), (573, 16372), (584, 16396), (596, 16426), (610, 16471), (667, 16531), (671, 16540), (673, 16543), (687, 16579), (717, 16660), (754, 16789), (759, 16810), (768, 16840), (776, 16870), (779, 16879), (781, 16885), (792, 16900), (793, 16903), (838, 17056),

Gene: Lunahalos_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Lunahalos_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: Lunsford_28 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for Lunsford_28:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233,

20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (736, 21237), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: Lysidious_20 Start: 17174, Stop: 18820, Start Num: 175

Candidate Starts for Lysidious_20:

(156, 17138), (Start: 175 @17174 has 47 MA's), (213, 17276), (253, 17354), (254, 17357), (294, 17453), (304, 17492), (336, 17552), (345, 17573), (364, 17627), (370, 17642), (456, 17813), (466, 17843), (549, 18026), (556, 18050), (571, 18101), (604, 18194), (608, 18206), (626, 18251), (661, 18266), (712, 18398), (713, 18401), (742, 18500), (747, 18518), (760, 18569), (780, 18635), (808, 18698), (813, 18710),

Gene: MA5_27 Start: 19523, Stop: 21322, Start Num: 108

Candidate Starts for MA5_27:

(Start: 108 @19523 has 545 MA's), (Start: 146 @19583 has 1 MA's), (179, 19652), (184, 19670), (227, 19754), (232, 19766), (233, 19769), (264, 19844), (Start: 268 @19859 has 11 MA's), (269, 19862), (289, 19898), (347, 20033), (373, 20102), (430, 20216), (495, 20342), (549, 20456), (551, 20459), (556, 20480), (563, 20498), (597, 20579), (623, 20654), (628, 20672), (630, 20681), (637, 20705), (639, 20711), (645, 20726), (662, 20759), (680, 20804), (681, 20807), (689, 20828), (693, 20840), (760, 21053), (768, 21077), (792, 21158), (794, 21164), (833, 21299),

Gene: MISSy_23 Start: 19258, Stop: 20937, Start Num: 94

Candidate Starts for MISSy_23:

(Start: 94 @19258 has 79 MA's), (Start: 147 @19342 has 45 MA's), (Start: 183 @19420 has 1 MA's), (227, 19507), (233, 19522), (257, 19570), (271, 19609), (306, 19696), (321, 19729), (342, 19765), (354, 19795), (356, 19801), (400, 19870), (424, 19900), (428, 19912), (429, 19915), (456, 19972), (517, 20104), (520, 20110), (547, 20176), (549, 20182), (556, 20206), (573, 20254), (584, 20278), (589, 20287), (616, 20362), (671, 20413), (678, 20428), (736, 20590), (742, 20617), (751, 20647), (780, 20752), (815, 20830), (822, 20866), (824, 20875), (833, 20908), (838, 20923),

Gene: MK4_27 Start: 19826, Stop: 21625, Start Num: 108

Candidate Starts for MK4_27:

(Start: 108 @19826 has 545 MA's), (Start: 146 @19886 has 1 MA's), (179, 19955), (227, 20057), (232, 20069), (233, 20072), (264, 20147), (Start: 268 @20162 has 11 MA's), (269, 20165), (289, 20201), (347, 20336), (373, 20405), (430, 20519), (495, 20645), (549, 20759), (551, 20762), (556, 20783), (563, 20801), (597, 20882), (623, 20957), (628, 20975), (630, 20984), (637, 21008), (639, 21014), (645, 21029), (653, 21053), (680, 21107), (681, 21110), (689, 21131), (693, 21143), (760, 21356), (768, 21380), (792, 21461), (794, 21467), (833, 21602),

Gene: MPhalcon_23 Start: 19252, Stop: 20931, Start Num: 94

Candidate Starts for MPhalcon_23:

(Start: 94 @19252 has 79 MA's), (Start: 147 @19336 has 45 MA's), (Start: 183 @19414 has 1 MA's), (227, 19501), (233, 19516), (257, 19564), (271, 19603), (306, 19690), (321, 19723), (342, 19759), (354, 19789), (356, 19795), (400, 19864), (424, 19894), (428, 19906), (429, 19909), (456, 19966), (517, 20098), (520, 20104), (547, 20170), (549, 20176), (556, 20200), (573, 20248), (584, 20272), (589, 20281), (616, 20356), (671, 20407), (678, 20422), (736, 20584), (742, 20611), (751, 20641), (780, 20746), (815, 20824), (822, 20860), (824, 20869), (833, 20902), (838, 20917),

Gene: MPlant7149_26 Start: 20687, Stop: 22489, Start Num: 109

Candidate Starts for MPlant7149_26:

(Start: 109 @20687 has 207 MA's), (Start: 124 @20708 has 4 MA's), (Start: 146 @20750 has 1 MA's), (171, 20795), (264, 21011), (283, 21056), (289, 21065), (301, 21104), (321, 21155), (322, 21158), (413, 21353), (449, 21422), (549, 21623), (551, 21626), (556, 21647), (596, 21743), (597, 21746), (599, 21752), (623, 21821), (628, 21839), (630, 21848), (639, 21878), (681, 21974), (693, 22007), (698, 22022), (745, 22163), (760, 22220), (794, 22331),

Gene: MaCh_28 Start: 20746, Stop: 22545, Start Num: 108

Candidate Starts for MaCh_28:

(65, 20680), (Start: 90 @20722 has 8 MA's), (Start: 108 @20746 has 545 MA's), (141, 20788), (184, 20884), (189, 20899), (232, 20980), (233, 20983), (262, 21055), (264, 21058), (Start: 268 @21073 has 11 MA's), (289, 21112), (292, 21118), (338, 21229), (341, 21235), (373, 21316), (413, 21400), (472, 21526), (485, 21544), (507, 21571), (563, 21712), (592, 21778), (596, 21790), (597, 21793), (636, 21916), (662, 21982), (674, 22009), (683, 22039), (685, 22042), (693, 22063), (698, 22078), (710, 22102), (735, 22177), (738, 22192), (760, 22276), (792, 22381), (794, 22387), (813, 22441), (840, 22540),

Gene: Mabel_28 Start: 20807, Stop: 22606, Start Num: 108

Candidate Starts for Mabel_28:

(65, 20741), (Start: 90 @20783 has 8 MA's), (Start: 108 @20807 has 545 MA's), (141, 20849), (184, 20945), (189, 20960), (232, 21041), (233, 21044), (264, 21119), (Start: 268 @21134 has 11 MA's), (289, 21173), (292, 21179), (338, 21290), (341, 21296), (373, 21377), (413, 21461), (472, 21587), (485, 21605), (507, 21632), (563, 21773), (592, 21839), (596, 21851), (597, 21854), (636, 21977), (662, 22043), (674, 22070), (678, 22079), (683, 22100), (685, 22103), (693, 22124), (698, 22139), (710, 22163), (735, 22238), (738, 22253), (760, 22337), (792, 22442), (794, 22448), (813, 22502), (840, 22601),

Gene: MacGully_50 Start: 31627, Stop: 33198, Start Num: 196

Candidate Starts for MacGully_50:

(Start: 196 @31627 has 7 MA's), (199, 31636), (227, 31690), (231, 31702), (243, 31717), (319, 31900), (339, 31933), (353, 31969), (360, 31987), (377, 32026), (401, 32050), (405, 32065), (452, 32149), (464, 32182), (470, 32197), (499, 32254), (502, 32263), (521, 32305), (524, 32311), (532, 32326), (541, 32356), (570, 32431), (592, 32476), (628, 32584), (669, 32689), (672, 32695), (684, 32728), (766, 32971), (796, 33043), (801, 33058), (825, 33142), (830, 33160), (836, 33184),

Gene: MacKat_24 Start: 17165, Stop: 18931, Start Num: 79

Candidate Starts for MacKat_24:

(Start: 79 @17165 has 139 MA's), (101, 17195), (184, 17354), (Start: 196 @17387 has 7 MA's), (210, 17417), (221, 17450), (227, 17462), (266, 17552), (288, 17594), (310, 17666), (315, 17675), (338, 17714), (356, 17759), (357, 17762), (363, 17780), (365, 17783), (393, 17837), (399, 17855), (412, 17897), (418, 17903), (430, 17930), (515, 18068), (525, 18086), (541, 18128), (548, 18146), (558, 18176), (573, 18203), (612, 18308), (681, 18467), (694, 18503), (706, 18533), (718, 18542), (745, 18617), (759, 18668), (824, 18863), (834, 18902), (835, 18905), (843, 18923),

Gene: MacnCheese_23 Start: 17821, Stop: 19584, Start Num: 79

Candidate Starts for MacnCheese_23:

(Start: 75 @17812 has 25 MA's), (Start: 79 @17821 has 139 MA's), (153, 17923), (179, 17980), (Start: 196 @18031 has 7 MA's), (210, 18061), (219, 18085), (234, 18130), (315, 18325), (322, 18340), (356, 18409), (359, 18418), (363, 18430), (365, 18433), (399, 18505), (412, 18547), (418, 18553), (434, 18592), (454, 18628), (542, 18781), (577, 18868), (612, 18961), (636, 19036), (647, 19069), (675, 19099), (681, 19117), (698, 19165), (709, 19189), (729, 19216), (747, 19273), (759, 19318), (791, 19402), (795, 19420), (822, 19507), (824, 19516), (830, 19537), (834, 19555), (836, 19561), (843, 19576),

Gene: Maco6_19 Start: 15263, Stop: 17113, Start Num: 59

Candidate Starts for Maco6_19:

(49, 15227), (Start: 59 @15263 has 4 MA's), (101, 15341), (139, 15401), (Start: 175 @15467 has 47 MA's), (190, 15518), (Start: 196 @15533 has 7 MA's), (Start: 197 @15536 has 1 MA's), (326, 15842), (354, 15899), (357, 15908), (373, 15947), (375, 15950), (392, 16013), (399, 16034), (426, 16097), (429, 16106), (434, 16121), (447, 16145), (520, 16256), (538, 16295), (545, 16316), (556, 16352), (557, 16355), (577, 16397), (583, 16412), (586, 16418), (721, 16727), (727, 16736), (728, 16742), (732, 16754), (742, 16784), (747, 16802), (749, 16808), (791, 16928), (810, 16985), (832, 17072), (834, 17081),

Gene: MadKillah_57 Start: 33254, Stop: 34990, Start Num: 74

Candidate Starts for MadKillah_57:

(Start: 69 @33245 has 2 MA's), (Start: 74 @33254 has 26 MA's), (134, 33344), (187, 33461), (203, 33497), (214, 33518), (230, 33545), (233, 33551), (249, 33581), (261, 33605), (281, 33656), (342, 33794), (344, 33800), (363, 33851), (365, 33854), (374, 33872), (420, 33923), (429, 33944), (430, 33947), (455, 33995), (456, 34001), (474, 34049), (477, 34055), (480, 34061), (504, 34121), (515, 34145), (517, 34148), (538, 34193), (542, 34208), (546, 34217), (549, 34226), (564, 34271), (573, 34289), (589, 34322), (673, 34460), (680, 34481), (706, 34547), (717, 34577), (734, 34631), (744, 34673), (751, 34694), (755, 34715), (759, 34727), (765, 34748), (781, 34802), (815, 34880), (822, 34916), (827, 34937), (834, 34964),

Gene: MadMarie_29 Start: 20381, Stop: 22177, Start Num: 108

Candidate Starts for MadMarie_29:

(Start: 108 @20381 has 545 MA's), (Start: 146 @20438 has 1 MA's), (154, 20453), (179, 20507), (Start: 183 @20522 has 1 MA's), (227, 20609), (232, 20621), (233, 20624), (264, 20699), (Start: 268 @20714 has 11 MA's), (288, 20750), (373, 20957), (449, 21110), (495, 21197), (549, 21311), (556, 21335), (563, 21353), (597, 21434), (623, 21509), (628, 21527), (637, 21560), (639, 21566), (653, 21605), (680, 21659), (681, 21662), (689, 21683), (713, 21740), (760, 21908), (792, 22013), (794, 22019), (833, 22154),

Gene: MadamMonkfish_24 Start: 19164, Stop: 20843, Start Num: 94

Candidate Starts for MadamMonkfish_24:

(Start: 94 @19164 has 79 MA's), (Start: 147 @19248 has 45 MA's), (Start: 183 @19326 has 1 MA's), (227, 19413), (233, 19428), (257, 19476), (271, 19515), (306, 19602), (321, 19635), (342, 19671), (354, 19701), (356, 19707), (400, 19776), (424, 19806), (428, 19818), (429, 19821), (456, 19878), (517, 20010), (520, 20016), (547, 20082), (549, 20088), (556, 20112), (573, 20160), (584, 20184), (589, 20193), (616, 20268), (671, 20319), (678, 20334), (736, 20496), (742, 20523), (751, 20553), (780, 20658), (815, 20736), (822, 20772), (824, 20781), (833, 20814), (838, 20829),

Gene: Madeline_19 Start: 18062, Stop: 19660, Start Num: 194

Candidate Starts for Madeline_19:

(Start: 194 @18062 has 87 MA's), (307, 18311), (310, 18320), (319, 18338), (321, 18341), (351, 18395), (381, 18470), (413, 18539), (423, 18548), (427, 18560), (431, 18572), (451, 18611), (459, 18638), (462, 18647), (463, 18650), (516, 18680), (518, 18683), (541, 18740), (564, 18806), (591, 18884), (602, 18917), (610, 18941), (623, 18977), (655, 19079), (682, 19136), (698, 19181), (701, 19187), (716, 19226), (787, 19466), (810, 19544),

Gene: Madiba_17 Start: 14680, Stop: 16389, Start Num: 87

Candidate Starts for Madiba_17:

(Start: 87 @14680 has 207 MA's), (150, 14767), (Start: 175 @14812 has 47 MA's), (182, 14836), (230, 14941), (233, 14947), (242, 14965), (257, 14995), (300, 15100), (323, 15160), (338, 15181), (342, 15190), (352, 15214), (396, 15289), (402, 15301), (408, 15316), (410, 15322), (420, 15340), (427, 15355), (429, 15361), (436, 15382), (445, 15397), (448, 15400), (455, 15412), (456, 15418), (459,

15427), (474, 15466), (480, 15478), (484, 15484), (515, 15544), (522, 15556), (538, 15592), (541, 15604), (571, 15679), (573, 15688), (584, 15712), (596, 15742), (667, 15847), (673, 15859), (687, 15895), (700, 15931), (701, 15934), (716, 15973), (751, 16093), (759, 16126), (768, 16156), (776, 16186), (779, 16195), (781, 16201), (792, 16216), (793, 16219), (798, 16240), (800, 16243), (817, 16285), (822, 16315), (833, 16357),

Gene: Magnar_27 Start: 20858, Stop: 22639, Start Num: 124

Candidate Starts for Magnar_27:

(Start: 109 @20837 has 207 MA's), (Start: 124 @20858 has 4 MA's), (Start: 146 @20900 has 1 MA's), (171, 20945), (264, 21161), (283, 21206), (289, 21215), (301, 21254), (321, 21305), (322, 21308), (413, 21503), (449, 21572), (549, 21773), (551, 21776), (556, 21797), (596, 21893), (597, 21896), (599, 21902), (623, 21971), (628, 21989), (630, 21998), (639, 22028), (681, 22124), (693, 22157), (698, 22172), (745, 22313), (760, 22370), (794, 22481), (840, 22634),

Gene: Magnito_26 Start: 20589, Stop: 22391, Start Num: 109

Candidate Starts for Magnito_26:

(Start: 109 @20589 has 207 MA's), (Start: 124 @20610 has 4 MA's), (Start: 146 @20652 has 1 MA's), (171, 20697), (264, 20913), (283, 20958), (289, 20967), (301, 21006), (321, 21057), (322, 21060), (413, 21255), (449, 21324), (549, 21525), (551, 21528), (556, 21549), (596, 21645), (597, 21648), (599, 21654), (628, 21741), (630, 21750), (639, 21780), (681, 21876), (693, 21909), (698, 21924), (745, 22065), (760, 22122), (794, 22233),

Gene: Magsby_18 Start: 14986, Stop: 16695, Start Num: 91

Candidate Starts for Magsby_18:

(Start: 91 @14986 has 42 MA's), (115, 15013), (Start: 175 @15118 has 47 MA's), (178, 15130), (190, 15166), (213, 15217), (230, 15247), (233, 15253), (247, 15280), (251, 15286), (300, 15406), (320, 15460), (323, 15466), (337, 15484), (342, 15496), (343, 15499), (352, 15520), (368, 15562), (396, 15595), (420, 15646), (427, 15661), (445, 15703), (455, 15718), (456, 15724), (474, 15772), (486, 15796), (497, 15826), (515, 15850), (541, 15910), (546, 15922), (564, 15976), (571, 15985), (595, 16045), (596, 16048), (667, 16153), (671, 16162), (687, 16201), (735, 16339), (775, 16489), (776, 16492), (779, 16501), (792, 16522), (800, 16549), (815, 16585), (838, 16678),

Gene: Mahavrat_16 Start: 14801, Stop: 16510, Start Num: 87

Candidate Starts for Mahavrat_16:

(Start: 87 @14801 has 207 MA's), (150, 14888), (Start: 175 @14933 has 47 MA's), (182, 14957), (230, 15062), (233, 15068), (242, 15086), (257, 15116), (300, 15221), (320, 15275), (323, 15281), (338, 15302), (342, 15311), (352, 15335), (368, 15377), (396, 15410), (402, 15422), (408, 15437), (410, 15443), (420, 15461), (427, 15476), (429, 15482), (436, 15503), (445, 15518), (455, 15533), (456, 15539), (474, 15587), (480, 15599), (484, 15605), (515, 15665), (538, 15713), (541, 15725), (549, 15746), (571, 15800), (573, 15809), (584, 15833), (596, 15863), (667, 15968), (673, 15980), (687, 16016), (716, 16094), (768, 16277), (776, 16307), (779, 16316), (781, 16322), (792, 16337), (793, 16340), (798, 16361), (817, 16406), (833, 16478), (834, 16484),

Gene: Mahdia_18 Start: 14818, Stop: 16428, Start Num: 117

Candidate Starts for Mahdia_18:

(Start: 117 @14818 has 11 MA's), (Start: 125 @14827 has 11 MA's), (142, 14860), (171, 14911), (173, 14914), (251, 15091), (269, 15142), (319, 15265), (373, 15382), (430, 15421), (453, 15463), (480, 15535), (494, 15568), (500, 15580), (515, 15607), (522, 15619), (538, 15655), (539, 15658), (546, 15679), (561, 15724), (593, 15793), (594, 15796), (610, 15838), (615, 15856), (622, 15868), (700, 15982), (706, 15997), (711, 16006), (722, 16039), (727, 16054), (792, 16258), (795, 16273), (815, 16324), (825, 16372),

Gene: Mainiac_29 Start: 20372, Stop: 22168, Start Num: 108

Candidate Starts for Mainiac_29:

(Start: 108 @20372 has 545 MA's), (Start: 146 @20429 has 1 MA's), (154, 20444), (179, 20498), (Start: 183 @20513 has 1 MA's), (227, 20600), (232, 20612), (233, 20615), (264, 20690), (Start: 268 @20705 has 11 MA's), (288, 20741), (373, 20948), (449, 21101), (495, 21188), (549, 21302), (556, 21326), (563, 21344), (597, 21425), (623, 21500), (628, 21518), (637, 21551), (639, 21557), (653, 21596), (680, 21650), (681, 21653), (689, 21674), (713, 21731), (760, 21899), (792, 22004), (794, 22010), (833, 22145),

Gene: Majeke_19 Start: 16391, Stop: 18127, Start Num: 82

Candidate Starts for Majeke_19:

(Start: 82 @16391 has 44 MA's), (136, 16472), (138, 16475), (170, 16526), (193, 16589), (Start: 195 @16595 has 39 MA's), (213, 16634), (232, 16667), (244, 16691), (296, 16811), (299, 16826), (306, 16850), (309, 16856), (351, 16940), (365, 16982), (396, 17021), (400, 17027), (417, 17066), (420, 17072), (430, 17096), (456, 17150), (463, 17171), (490, 17231), (526, 17309), (541, 17348), (554, 17381), (573, 17447), (584, 17471), (594, 17495), (605, 17525), (610, 17537), (682, 17639), (689, 17651), (691, 17654), (692, 17660), (695, 17669), (734, 17777), (755, 17861), (787, 17960), (813, 18017), (824, 18068), (838, 18116),

Gene: MajorMajor_27 Start: 19074, Stop: 20864, Start Num: 108

Candidate Starts for MajorMajor_27:

(65, 19008), (Start: 90 @19050 has 8 MA's), (Start: 108 @19074 has 545 MA's), (184, 19212), (189, 19227), (232, 19308), (233, 19311), (262, 19383), (264, 19386), (289, 19440), (292, 19446), (297, 19464), (318, 19524), (338, 19557), (341, 19563), (356, 19602), (373, 19644), (412, 19725), (413, 19728), (441, 19788), (513, 19914), (549, 19998), (563, 20040), (583, 20091), (597, 20121), (637, 20247), (665, 20310), (693, 20382), (698, 20397), (710, 20421), (735, 20496), (738, 20511), (760, 20595), (792, 20700), (794, 20706), (798, 20724), (809, 20751), (813, 20760),

Gene: MakCheese_20 Start: 16078, Stop: 17757, Start Num: 139

Candidate Starts for MakCheese_20:

(Start: 89 @16009 has 30 MA's), (107, 16027), (Start: 126 @16051 has 16 MA's), (Start: 132 @16063 has 1 MA's), (139, 16078), (171, 16135), (208, 16237), (220, 16267), (228, 16291), (235, 16312), (310, 16498), (381, 16639), (395, 16669), (401, 16678), (403, 16684), (558, 16993), (609, 17122), (610, 17125), (623, 17158), (693, 17326), (695, 17332), (742, 17431), (760, 17500), (795, 17593), (843, 17749),

Gene: Makemake_27 Start: 22305, Stop: 24107, Start Num: 109

Candidate Starts for Makemake_27:

(Start: 109 @22305 has 207 MA's), (Start: 124 @22326 has 4 MA's), (Start: 146 @22368 has 1 MA's), (171, 22413), (264, 22629), (283, 22674), (289, 22683), (301, 22722), (321, 22773), (322, 22776), (413, 22971), (449, 23040), (549, 23241), (551, 23244), (556, 23265), (596, 23361), (597, 23364), (599, 23370), (623, 23439), (628, 23457), (630, 23466), (639, 23496), (681, 23592), (693, 23625), (698, 23640), (745, 23781), (760, 23838), (794, 23949),

Gene: Malachai_20 Start: 17128, Stop: 18774, Start Num: 175

Candidate Starts for Malachai_20:

(156, 17092), (Start: 175 @17128 has 47 MA's), (213, 17230), (253, 17308), (294, 17407), (304, 17446), (345, 17527), (364, 17581), (370, 17596), (456, 17767), (466, 17797), (549, 17980), (556, 18004), (571, 18055), (604, 18148), (608, 18160), (626, 18205), (661, 18220), (712, 18352), (713, 18355), (742, 18454), (747, 18472), (760, 18523), (780, 18589), (808, 18652), (813, 18664),

Gene: MalagasyRose_24 Start: 16589, Stop: 18388, Start Num: 60

Candidate Starts for MalagasyRose_24:

(Start: 60 @16589 has 2 MA's), (Start: 83 @16640 has 8 MA's), (88, 16646), (Start: 90 @16649 has 8 MA's), (155, 16739), (162, 16748), (173, 16769), (179, 16790), (223, 16904), (240, 16943), (245, 16958), (248, 16961), (276, 17030), (305, 17102), (318, 17132), (322, 17141), (341, 17171), (343, 17177), (347, 17183), (356, 17210), (365, 17234), (393, 17282), (403, 17309), (432, 17381), (482, 17474), (499, 17486), (513, 17519), (515, 17522), (541, 17582), (557, 17630), (558, 17633), (596, 17714), (623, 17792), (630, 17819), (632, 17828), (698, 17969), (706, 17987), (759, 18122), (760, 18128), (781, 18185), (795, 18221), (822, 18308), (834, 18356), (843, 18377),

Gene: Malec_29 Start: 20473, Stop: 22245, Start Num: 108

Candidate Starts for Malec_29:

(Start: 90 @20449 has 8 MA's), (Start: 108 @20473 has 545 MA's), (Start: 183 @20608 has 1 MA's), (189, 20626), (232, 20707), (233, 20710), (244, 20740), (262, 20782), (264, 20785), (289, 20839), (292, 20845), (310, 20908), (318, 20923), (338, 20956), (352, 20989), (373, 21043), (412, 21124), (413, 21127), (430, 21157), (551, 21400), (592, 21505), (597, 21520), (639, 21652), (693, 21763), (698, 21778), (701, 21784), (724, 21838), (735, 21877), (738, 21892), (747, 21925), (794, 22087), (813, 22141),

Gene: Malibo_20 Start: 16515, Stop: 18137, Start Num: 120

Candidate Starts for Malibo_20:

(Start: 110 @16500 has 14 MA's), (Start: 120 @16515 has 4 MA's), (144, 16560), (173, 16611), (227, 16734), (228, 16737), (277, 16857), (300, 16911), (303, 16923), (313, 16953), (319, 16962), (334, 16983), (350, 17016), (358, 17043), (429, 17112), (435, 17130), (453, 17157), (458, 17175), (459, 17178), (463, 17190), (480, 17229), (486, 17241), (512, 17292), (515, 17298), (548, 17376), (610, 17529), (622, 17559), (623, 17562), (667, 17589), (681, 17625), (697, 17667), (722, 17730), (727, 17745), (736, 17775), (744, 17811), (747, 17820), (773, 17919), (795, 17967), (824, 18063), (832, 18093), (838, 18111),

Gene: Maliketh_18 Start: 16640, Stop: 18403, Start Num: 75

Candidate Starts for Maliketh_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Malinsilva_31 Start: 20371, Stop: 22167, Start Num: 108

Candidate Starts for Malinsilva_31:

(Start: 108 @20371 has 545 MA's), (Start: 146 @20428 has 1 MA's), (154, 20443), (173, 20476), (179, 20497), (Start: 183 @20512 has 1 MA's), (227, 20599), (232, 20611), (233, 20614), (264, 20689), (Start: 268 @20704 has 11 MA's), (288, 20740), (373, 20947), (430, 21061), (449, 21100), (495, 21187), (549, 21301), (556, 21325), (563, 21343), (597, 21424), (623, 21499), (628, 21517), (637, 21550), (639, 21556), (653, 21595), (680, 21649), (681, 21652), (689, 21673), (713, 21730), (760, 21898), (792, 22003), (794, 22009), (833, 22144),

Gene: Malithi_19 Start: 16310, Stop: 18046, Start Num: 82

Candidate Starts for Malithi_19:

(Start: 71 @16286 has 2 MA's), (Start: 82 @16310 has 44 MA's), (128, 16370), (136, 16391), (138, 16394), (Start: 195 @16514 has 39 MA's), (213, 16553), (232, 16586), (244, 16610), (296, 16730), (306, 16769), (309, 16775), (351, 16859), (352, 16865), (356, 16877), (365, 16901), (379, 16928), (400, 16946), (417, 16985), (420, 16991), (430, 17015), (456, 17069), (461, 17081), (463, 17090), (490, 17150), (526, 17228), (541, 17267), (554, 17300), (573, 17366), (578, 17381), (584, 17390), (594, 17414), (605, 17444), (610, 17456), (682, 17558), (689, 17570), (691, 17573), (692, 17579),

(695, 17588), (734, 17696), (755, 17780), (787, 17879), (824, 17987), (838, 18035),

Gene: Malthus_25 Start: 18546, Stop: 20333, Start Num: 79

Candidate Starts for Malthus_25:

(Start: 62 @18507 has 1 MA's), (Start: 75 @18537 has 25 MA's), (Start: 78 @18543 has 41 MA's), (Start: 79 @18546 has 139 MA's), (Start: 99 @18561 has 4 MA's), (129, 18603), (154, 18651), (Start: 175 @18690 has 47 MA's), (179, 18705), (184, 18723), (Start: 196 @18756 has 7 MA's), (210, 18786), (227, 18831), (234, 18849), (266, 18921), (Start: 268 @18927 has 11 MA's), (283, 18957), (286, 18960), (306, 19023), (310, 19035), (373, 19170), (383, 19188), (395, 19218), (399, 19224), (405, 19242), (418, 19272), (434, 19311), (515, 19437), (542, 19500), (612, 19701), (630, 19755), (645, 19800), (668, 19845), (681, 19869), (693, 19902), (706, 19935), (742, 20007), (745, 20019), (759, 20070), (760, 20076), (798, 20178), (834, 20304), (843, 20325),

Gene: Maminaiaina_29 Start: 21290, Stop: 23080, Start Num: 108

Candidate Starts for Maminaiaina_29:

(Start: 90 @21266 has 8 MA's), (Start: 108 @21290 has 545 MA's), (232, 21524), (233, 21527), (262, 21599), (264, 21602), (Start: 268 @21617 has 11 MA's), (289, 21656), (292, 21662), (318, 21740), (338, 21773), (373, 21860), (412, 21941), (413, 21944), (472, 22070), (540, 22193), (546, 22205), (551, 22217), (553, 22223), (563, 22256), (597, 22337), (637, 22463), (662, 22517), (664, 22523), (681, 22565), (683, 22574), (693, 22598), (698, 22613), (710, 22637), (724, 22673), (735, 22712), (738, 22727), (760, 22811), (792, 22916), (794, 22922), (809, 22967), (824, 23024),

Gene: Manasvini_19 Start: 17773, Stop: 19371, Start Num: 194

Candidate Starts for Manasvini_19:

(Start: 194 @17773 has 87 MA's), (307, 18022), (310, 18031), (319, 18049), (321, 18052), (351, 18106), (381, 18181), (413, 18250), (423, 18259), (427, 18271), (451, 18322), (459, 18349), (462, 18358), (463, 18361), (516, 18391), (518, 18394), (541, 18451), (564, 18517), (591, 18595), (602, 18628), (610, 18652), (623, 18688), (655, 18790), (682, 18847), (698, 18892), (701, 18898), (716, 18937), (787, 19177), (810, 19255),

Gene: Manatee_28 Start: 20835, Stop: 22637, Start Num: 109

Candidate Starts for Manatee_28:

(Start: 109 @20835 has 207 MA's), (Start: 124 @20856 has 4 MA's), (Start: 146 @20898 has 1 MA's), (171, 20943), (264, 21159), (283, 21204), (289, 21213), (301, 21252), (321, 21303), (322, 21306), (413, 21501), (449, 21570), (549, 21771), (551, 21774), (556, 21795), (596, 21891), (597, 21894), (599, 21900), (623, 21969), (628, 21987), (630, 21996), (639, 22026), (681, 22122), (693, 22155), (698, 22170), (745, 22311), (760, 22368), (794, 22479), (840, 22632),

Gene: Manda_25 Start: 20231, Stop: 21910, Start Num: 94

Candidate Starts for Manda_25:

(Start: 94 @20231 has 79 MA's), (Start: 147 @20315 has 45 MA's), (Start: 183 @20393 has 1 MA's), (227, 20480), (233, 20495), (257, 20543), (271, 20582), (306, 20669), (321, 20702), (342, 20738), (354, 20768), (356, 20774), (400, 20843), (424, 20873), (428, 20885), (429, 20888), (456, 20945), (517, 21077), (520, 21083), (547, 21149), (549, 21155), (556, 21179), (573, 21227), (584, 21251), (589, 21260), (616, 21335), (671, 21386), (678, 21401), (736, 21563), (742, 21590), (751, 21620), (780, 21725), (815, 21803), (822, 21839), (824, 21848), (833, 21881), (838, 21896),

Gene: Mandlovu_16 Start: 14904, Stop: 16613, Start Num: 87

Candidate Starts for Mandlovu_16:

(Start: 87 @14904 has 207 MA's), (150, 14991), (Start: 175 @15036 has 47 MA's), (182, 15060), (230, 15165), (233, 15171), (242, 15189), (257, 15219), (300, 15324), (323, 15384), (338, 15405), (342, 15414), (352, 15438), (420, 15564), (427, 15579), (429, 15585), (445, 15621), (448, 15624), (455, 15636), (456, 15642), (474, 15690), (480, 15702), (484, 15708), (515, 15768), (522, 15780), (538,

15816), (541, 15828), (571, 15903), (573, 15912), (581, 15930), (584, 15936), (596, 15966), (667, 16071), (671, 16080), (673, 16083), (687, 16119), (716, 16197), (744, 16296), (751, 16317), (759, 16350), (768, 16380), (776, 16410), (779, 16419), (781, 16425), (792, 16440), (793, 16443), (800, 16467), (813, 16497), (817, 16509), (822, 16539), (833, 16581),

Gene: Mangethe_19 Start: 16391, Stop: 18127, Start Num: 82

Candidate Starts for Mangethe_19:

(Start: 82 @16391 has 44 MA's), (136, 16472), (138, 16475), (170, 16526), (193, 16589), (Start: 195 @16595 has 39 MA's), (213, 16634), (232, 16667), (244, 16691), (296, 16811), (299, 16826), (306, 16850), (309, 16856), (351, 16940), (365, 16982), (396, 17021), (400, 17027), (417, 17066), (420, 17072), (430, 17096), (456, 17150), (463, 17171), (490, 17231), (526, 17309), (541, 17348), (554, 17381), (573, 17447), (584, 17471), (594, 17495), (605, 17525), (610, 17537), (682, 17639), (689, 17651), (691, 17654), (692, 17660), (695, 17669), (734, 17777), (755, 17861), (787, 17960), (813, 18017), (824, 18068), (838, 18116),

Gene: Mantra_16 Start: 14903, Stop: 16612, Start Num: 87

Candidate Starts for Mantra_16:

(Start: 87 @14903 has 207 MA's), (150, 14990), (Start: 175 @15035 has 47 MA's), (182, 15059), (203, 15116), (230, 15164), (233, 15170), (242, 15188), (257, 15218), (300, 15323), (320, 15377), (323, 15383), (329, 15392), (342, 15413), (352, 15437), (365, 15473), (368, 15479), (396, 15512), (398, 15515), (402, 15524), (408, 15539), (410, 15545), (420, 15563), (427, 15578), (429, 15584), (435, 15602), (436, 15605), (445, 15620), (455, 15635), (456, 15641), (474, 15689), (480, 15701), (484, 15707), (515, 15767), (522, 15779), (538, 15815), (541, 15827), (571, 15902), (573, 15911), (581, 15929), (584, 15935), (596, 15965), (667, 16070), (673, 16082), (687, 16118), (716, 16196), (751, 16316), (759, 16349), (768, 16379), (771, 16391), (776, 16409), (778, 16415), (779, 16418), (781, 16424), (792, 16439), (793, 16442), (798, 16463), (800, 16466), (817, 16508), (822, 16538), (833, 16580), (834, 16586),

Gene: Manu_30 Start: 20460, Stop: 22256, Start Num: 108

Candidate Starts for Manu_30:

(Start: 108 @20460 has 545 MA's), (Start: 146 @20517 has 1 MA's), (154, 20532), (179, 20586), (Start: 183 @20601 has 1 MA's), (227, 20688), (232, 20700), (233, 20703), (264, 20778), (Start: 268 @20793 has 11 MA's), (373, 21036), (449, 21189), (495, 21276), (540, 21369), (549, 21390), (556, 21414), (559, 21426), (563, 21432), (597, 21513), (623, 21588), (628, 21606), (630, 21615), (637, 21639), (639, 21645), (645, 21660), (653, 21684), (680, 21738), (681, 21741), (689, 21762), (792, 22092), (794, 22098), (833, 22233),

Gene: MarQuardt_29 Start: 20380, Stop: 22176, Start Num: 108

Candidate Starts for MarQuardt_29:

(Start: 108 @20380 has 545 MA's), (Start: 146 @20437 has 1 MA's), (154, 20452), (173, 20485), (179, 20506), (Start: 183 @20521 has 1 MA's), (227, 20608), (232, 20620), (233, 20623), (264, 20698), (Start: 268 @20713 has 11 MA's), (288, 20749), (373, 20956), (430, 21070), (449, 21109), (495, 21196), (549, 21310), (556, 21334), (563, 21352), (597, 21433), (623, 21508), (628, 21526), (637, 21559), (639, 21565), (653, 21604), (680, 21658), (681, 21661), (689, 21682), (713, 21739), (760, 21907), (792, 22012), (794, 22018), (833, 22153),

Gene: Maravista_16 Start: 14752, Stop: 16461, Start Num: 87

Candidate Starts for Maravista_16:

(Start: 87 @14752 has 207 MA's), (150, 14839), (Start: 175 @14884 has 47 MA's), (182, 14908), (230, 15013), (233, 15019), (242, 15037), (257, 15067), (300, 15172), (323, 15232), (338, 15253), (342, 15262), (351, 15280), (352, 15286), (420, 15412), (427, 15427), (429, 15433), (445, 15469), (448, 15472), (455, 15484), (456, 15490), (474, 15538), (480, 15550), (484, 15556), (515, 15616), (522, 15628), (538, 15664), (541, 15676), (571, 15751), (573, 15760), (581, 15778), (584, 15784), (596,

15814), (667, 15919), (671, 15928), (673, 15931), (687, 15967), (716, 16045), (744, 16144), (751, 16165), (759, 16198), (768, 16228), (776, 16258), (779, 16267), (781, 16273), (792, 16288), (793, 16291), (800, 16315), (813, 16345), (817, 16357), (822, 16387), (833, 16429),

Gene: Marcell_27 Start: 21325, Stop: 23127, Start Num: 109

Candidate Starts for Marcell_27:

(Start: 109 @21325 has 207 MA's), (Start: 124 @21346 has 4 MA's), (Start: 146 @21388 has 1 MA's), (171, 21433), (264, 21649), (283, 21694), (289, 21703), (301, 21742), (321, 21793), (322, 21796), (413, 21991), (449, 22060), (549, 22261), (551, 22264), (556, 22285), (596, 22381), (597, 22384), (599, 22390), (623, 22459), (628, 22477), (630, 22486), (639, 22516), (681, 22612), (693, 22645), (698, 22660), (745, 22801), (760, 22858), (794, 22969), (840, 23122),

Gene: Marchesa_27 Start: 19958, Stop: 21757, Start Num: 108

Candidate Starts for Marchesa_27:

(Start: 108 @19958 has 545 MA's), (Start: 146 @20018 has 1 MA's), (179, 20087), (227, 20189), (232, 20201), (233, 20204), (264, 20279), (Start: 268 @20294 has 11 MA's), (269, 20297), (289, 20333), (347, 20468), (373, 20537), (430, 20651), (495, 20777), (549, 20891), (556, 20915), (559, 20927), (563, 20933), (597, 21014), (623, 21089), (628, 21107), (630, 21116), (637, 21140), (639, 21146), (645, 21161), (665, 21203), (678, 21230), (680, 21239), (681, 21242), (689, 21263), (693, 21275), (760, 21488), (792, 21593), (794, 21599), (833, 21734),

Gene: Marchy_26 Start: 20630, Stop: 22432, Start Num: 109

Candidate Starts for Marchy_26:

(Start: 109 @20630 has 207 MA's), (Start: 124 @20651 has 4 MA's), (Start: 146 @20693 has 1 MA's), (171, 20738), (264, 20954), (283, 20999), (289, 21008), (301, 21047), (321, 21098), (322, 21101), (413, 21296), (449, 21365), (549, 21566), (551, 21569), (556, 21590), (596, 21686), (597, 21689), (599, 21695), (623, 21764), (628, 21782), (630, 21791), (639, 21821), (681, 21917), (693, 21950), (698, 21965), (745, 22106), (760, 22163), (794, 22274),

Gene: Marcoliusprime_19 Start: 15013, Stop: 16782, Start Num: 78

Candidate Starts for Marcoliusprime_19:

(Start: 62 @14977 has 1 MA's), (Start: 75 @15007 has 25 MA's), (Start: 78 @15013 has 41 MA's), (Start: 97 @15028 has 44 MA's), (129, 15070), (154, 15118), (Start: 175 @15157 has 47 MA's), (179, 15172), (Start: 196 @15223 has 7 MA's), (210, 15253), (221, 15286), (227, 15298), (234, 15316), (266, 15388), (Start: 268 @15394 has 11 MA's), (306, 15490), (310, 15502), (359, 15604), (365, 15619), (383, 15655), (399, 15691), (418, 15739), (434, 15778), (447, 15802), (454, 15814), (515, 15904), (520, 15913), (612, 16159), (630, 16213), (647, 16267), (706, 16381), (718, 16390), (745, 16465), (759, 16516), (760, 16522), (792, 16603), (795, 16618), (816, 16672), (834, 16753), (843, 16774),

Gene: Mareelih_99 Start: 59450, Stop: 61078, Start Num: 116

Candidate Starts for Mareelih_99:

(Start: 116 @59450 has 4 MA's), (127, 59465), (131, 59468), (144, 59495), (Start: 175 @59552 has 47 MA's), (185, 59588), (199, 59621), (214, 59651), (215, 59654), (251, 59723), (255, 59729), (318, 59894), (342, 59936), (347, 59945), (351, 59954), (353, 59966), (443, 60086), (515, 60239), (541, 60299), (599, 60446), (605, 60467), (610, 60482), (676, 60560), (678, 60566), (722, 60683), (727, 60698), (742, 60755), (751, 60785), (759, 60818), (802, 60938), (838, 61067),

Gene: Marge_28 Start: 21725, Stop: 23527, Start Num: 109

Candidate Starts for Marge_28:

(Start: 109 @21725 has 207 MA's), (Start: 124 @21746 has 4 MA's), (Start: 146 @21788 has 1 MA's), (171, 21833), (264, 22049), (283, 22094), (289, 22103), (301, 22142), (321, 22193), (322, 22196), (365, 22289), (413, 22391), (449, 22460), (549, 22661), (551, 22664), (556, 22685), (596, 22781), (597, 22784), (599, 22790), (623, 22859), (628, 22877), (630, 22886), (639, 22916), (681, 23012),

(693, 23045), (698, 23060), (745, 23201), (760, 23258), (794, 23369), (840, 23522),

Gene: Margo_28 Start: 20481, Stop: 22280, Start Num: 108

Candidate Starts for Margo_28:

(Start: 108 @20481 has 545 MA's), (Start: 146 @20541 has 1 MA's), (179, 20610), (227, 20712), (232, 20724), (233, 20727), (264, 20802), (Start: 268 @20817 has 11 MA's), (289, 20856), (347, 20991), (373, 21060), (430, 21174), (495, 21300), (549, 21414), (556, 21438), (559, 21450), (563, 21456), (597, 21537), (623, 21612), (628, 21630), (630, 21639), (637, 21663), (639, 21669), (645, 21684), (662, 21717), (680, 21762), (681, 21765), (689, 21786), (736, 21915), (760, 22011), (792, 22116), (794, 22122), (833, 22257),

Gene: Maridalia_18 Start: 17773, Stop: 19371, Start Num: 194

Candidate Starts for Maridalia_18:

(Start: 194 @17773 has 87 MA's), (307, 18022), (310, 18031), (319, 18049), (321, 18052), (351, 18106), (381, 18181), (413, 18250), (423, 18259), (427, 18271), (451, 18322), (459, 18349), (462, 18358), (463, 18361), (516, 18391), (518, 18394), (541, 18451), (564, 18517), (591, 18595), (602, 18628), (610, 18652), (623, 18688), (655, 18790), (682, 18847), (698, 18892), (701, 18898), (716, 18937), (787, 19177), (810, 19255),

Gene: Marie_29 Start: 20378, Stop: 22174, Start Num: 108

Candidate Starts for Marie_29:

(Start: 108 @20378 has 545 MA's), (Start: 146 @20435 has 1 MA's), (154, 20450), (173, 20483), (179, 20504), (Start: 183 @20519 has 1 MA's), (227, 20606), (232, 20618), (233, 20621), (264, 20696), (Start: 268 @20711 has 11 MA's), (288, 20747), (373, 20954), (430, 21068), (449, 21107), (495, 21194), (549, 21308), (556, 21332), (563, 21350), (597, 21431), (623, 21506), (628, 21524), (637, 21557), (639, 21563), (653, 21602), (680, 21656), (681, 21659), (689, 21680), (713, 21737), (760, 21905), (792, 22010), (794, 22016), (833, 22151),

Gene: Marietta_43 Start: 27926, Stop: 29506, Start Num: 209

Candidate Starts for Marietta_43:

(Start: 194 @27890 has 87 MA's), (Start: 198 @27902 has 1 MA's), (Start: 209 @27926 has 1 MA's), (243, 28004), (319, 28187), (351, 28244), (353, 28256), (359, 28271), (401, 28337), (405, 28352), (419, 28376), (457, 28463), (460, 28469), (469, 28493), (499, 28553), (510, 28583), (521, 28604), (565, 28709), (570, 28730), (604, 28817), (622, 28865), (669, 28991), (683, 29027), (744, 29192), (750, 29210), (759, 29246), (820, 29420), (822, 29432), (838, 29489),

Gene: Marius_30 Start: 20460, Stop: 22256, Start Num: 108

Candidate Starts for Marius_30:

(Start: 108 @20460 has 545 MA's), (Start: 146 @20517 has 1 MA's), (154, 20532), (179, 20586), (Start: 183 @20601 has 1 MA's), (227, 20688), (232, 20700), (233, 20703), (264, 20778), (Start: 268 @20793 has 11 MA's), (373, 21036), (449, 21189), (495, 21276), (549, 21390), (556, 21414), (559, 21426), (563, 21432), (597, 21513), (623, 21588), (628, 21606), (630, 21615), (637, 21639), (639, 21645), (653, 21684), (680, 21738), (681, 21741), (689, 21762), (792, 22092), (794, 22098), (833, 22233),

Gene: MarkPhew_23 Start: 16287, Stop: 18053, Start Num: 79

Candidate Starts for MarkPhew_23:

(Start: 62 @16248 has 1 MA's), (Start: 75 @16278 has 25 MA's), (Start: 79 @16287 has 139 MA's), (101, 16317), (179, 16458), (Start: 196 @16509 has 7 MA's), (221, 16572), (266, 16674), (Start: 268 @16680 has 11 MA's), (283, 16710), (315, 16797), (338, 16836), (357, 16884), (363, 16902), (383, 16941), (384, 16944), (393, 16959), (395, 16971), (399, 16977), (405, 16995), (412, 17019), (418, 17025), (430, 17052), (515, 17190), (525, 17208), (593, 17370), (597, 17382), (612, 17430), (636, 17505), (647, 17538), (649, 17544), (681, 17589), (693, 17622), (695, 17628), (706, 17655), (745,

17739), (759, 17790), (795, 17889), (824, 17985), (843, 18045),

Gene: Marker_17 Start: 14655, Stop: 16364, Start Num: 87

Candidate Starts for Marker_17:

(Start: 87 @14655 has 207 MA's), (150, 14742), (Start: 175 @14787 has 47 MA's), (182, 14811), (230, 14916), (233, 14922), (242, 14940), (257, 14970), (300, 15075), (323, 15135), (338, 15156), (342, 15165), (352, 15189), (396, 15264), (420, 15315), (427, 15330), (429, 15336), (445, 15372), (448, 15375), (455, 15387), (456, 15393), (474, 15441), (480, 15453), (484, 15459), (515, 15519), (522, 15531), (538, 15567), (541, 15579), (571, 15654), (573, 15663), (581, 15681), (584, 15687), (596, 15717), (667, 15822), (673, 15834), (687, 15870), (716, 15948), (744, 16047), (751, 16068), (759, 16101), (768, 16131), (776, 16161), (779, 16170), (781, 16176), (792, 16191), (793, 16194), (800, 16218), (817, 16260), (833, 16332),

Gene: Marmie_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Marmie_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Maroc7_26 Start: 20829, Stop: 22631, Start Num: 109

Candidate Starts for Maroc7_26:

(Start: 109 @20829 has 207 MA's), (Start: 124 @20850 has 4 MA's), (Start: 146 @20892 has 1 MA's), (171, 20937), (264, 21153), (283, 21198), (289, 21207), (301, 21246), (321, 21297), (322, 21300), (413, 21495), (449, 21564), (549, 21765), (551, 21768), (556, 21789), (596, 21885), (597, 21888), (599, 21894), (623, 21963), (628, 21981), (630, 21990), (639, 22020), (681, 22116), (693, 22149), (698, 22164), (745, 22305), (760, 22362), (794, 22473),

Gene: Marsha_27 Start: 21951, Stop: 23753, Start Num: 109

Candidate Starts for Marsha_27:

(Start: 109 @21951 has 207 MA's), (Start: 124 @21972 has 4 MA's), (Start: 146 @22014 has 1 MA's), (171, 22059), (264, 22275), (283, 22320), (289, 22329), (301, 22368), (321, 22419), (322, 22422), (365, 22515), (413, 22617), (449, 22686), (549, 22887), (551, 22890), (556, 22911), (596, 23007), (597, 23010), (599, 23016), (623, 23085), (628, 23103), (630, 23112), (639, 23142), (681, 23238), (693, 23271), (698, 23286), (745, 23427), (760, 23484), (794, 23595),

Gene: Marshawn_24 Start: 16905, Stop: 18671, Start Num: 79

Candidate Starts for Marshawn_24:

(Start: 62 @16866 has 1 MA's), (Start: 75 @16896 has 25 MA's), (Start: 79 @16905 has 139 MA's), (Start: 81 @16911 has 15 MA's), (101, 16935), (Start: 175 @17061 has 47 MA's), (179, 17076), (184, 17094), (210, 17157), (221, 17190), (227, 17202), (234, 17220), (266, 17292), (299, 17370), (315, 17415), (321, 17427), (338, 17454), (363, 17520), (383, 17559), (384, 17562), (393, 17577), (395, 17589), (399, 17595), (412, 17637), (418, 17643), (515, 17808), (525, 17826), (548, 17886), (558, 17916), (573, 17943), (582, 17967), (593, 17988), (597, 18000), (612, 18048), (636, 18123), (649, 18162), (693, 18240), (695, 18246), (701, 18261), (706, 18273), (718, 18282), (745, 18357), (759, 18408), (795, 18507), (830, 18624), (834, 18642), (843, 18663),

Gene: Marshmallow_24 Start: 19829, Stop: 21424, Start Num: 147

Candidate Starts for Marshmallow_24:

(Start: 94 @19745 has 79 MA's), (Start: 147 @19829 has 45 MA's), (Start: 183 @19907 has 1 MA's), (227, 19994), (233, 20009), (257, 20057), (271, 20096), (306, 20183), (321, 20216), (342, 20252),

(354, 20282), (356, 20288), (400, 20357), (424, 20387), (428, 20399), (429, 20402), (456, 20459), (517, 20591), (520, 20597), (547, 20663), (549, 20669), (556, 20693), (573, 20741), (584, 20765), (589, 20774), (616, 20849), (671, 20900), (678, 20915), (736, 21077), (742, 21104), (751, 21134), (780, 21239), (815, 21317), (822, 21353), (824, 21362), (833, 21395), (838, 21410),

Gene: Martik_16 Start: 14813, Stop: 16522, Start Num: 87

Candidate Starts for Martik_16:

(Start: 87 @14813 has 207 MA's), (150, 14900), (Start: 175 @14945 has 47 MA's), (182, 14969), (230, 15074), (233, 15080), (242, 15098), (257, 15128), (300, 15233), (320, 15287), (323, 15293), (329, 15302), (342, 15323), (352, 15347), (365, 15383), (368, 15389), (396, 15422), (398, 15425), (402, 15434), (408, 15449), (410, 15455), (420, 15473), (427, 15488), (429, 15494), (435, 15512), (436, 15515), (445, 15530), (455, 15545), (456, 15551), (474, 15599), (480, 15611), (484, 15617), (515, 15677), (522, 15689), (538, 15725), (541, 15737), (571, 15812), (573, 15821), (581, 15839), (584, 15845), (596, 15875), (667, 15980), (673, 15992), (687, 16028), (716, 16106), (751, 16226), (759, 16259), (768, 16289), (771, 16301), (776, 16319), (778, 16325), (779, 16328), (781, 16334), (792, 16349), (793, 16352), (798, 16373), (800, 16376), (817, 16418), (822, 16448), (833, 16490), (834, 16496),

Gene: MaryBeth_27 Start: 21259, Stop: 23061, Start Num: 109

Candidate Starts for MaryBeth_27:

(Start: 109 @21259 has 207 MA's), (Start: 124 @21280 has 4 MA's), (Start: 146 @21322 has 1 MA's), (171, 21367), (264, 21583), (283, 21628), (289, 21637), (321, 21727), (322, 21730), (365, 21823), (413, 21925), (449, 21994), (545, 22183), (549, 22195), (551, 22198), (556, 22219), (596, 22315), (597, 22318), (599, 22324), (623, 22393), (628, 22411), (630, 22420), (639, 22450), (681, 22546), (693, 22579), (698, 22594), (745, 22735), (760, 22792), (794, 22903),

Gene: MarysWell_23 Start: 19695, Stop: 21503, Start Num: 99

Candidate Starts for MarysWell_23:

(Start: 99 @19695 has 4 MA's), (Start: 108 @19707 has 545 MA's), (Start: 175 @19812 has 47 MA's), (184, 19845), (233, 19944), (264, 20019), (Start: 268 @20034 has 11 MA's), (288, 20070), (310, 20142), (318, 20157), (341, 20196), (352, 20223), (381, 20283), (430, 20391), (441, 20421), (446, 20427), (522, 20562), (545, 20619), (546, 20622), (549, 20631), (563, 20673), (569, 20691), (596, 20751), (597, 20754), (628, 20847), (630, 20856), (637, 20880), (680, 20988), (693, 21024), (760, 21234), (791, 21336), (794, 21345), (827, 21459), (833, 21480), (835, 21489),

Gene: Maselop_45 Start: 31376, Stop: 32950, Start Num: 196

Candidate Starts for Maselop_45:

(Start: 196 @31376 has 7 MA's), (199, 31385), (227, 31439), (237, 31463), (243, 31466), (360, 31736), (401, 31799), (405, 31814), (464, 31931), (470, 31946), (499, 32003), (502, 32012), (521, 32054), (532, 32075), (541, 32105), (566, 32162), (596, 32237), (628, 32333), (669, 32438), (670, 32441), (681, 32468), (717, 32546), (730, 32585), (772, 32741), (801, 32807),

Gene: Matteo_17 Start: 14694, Stop: 16403, Start Num: 195

Candidate Starts for Matteo_17:

(Start: 121 @14523 has 2 MA's), (140, 14559), (Start: 195 @14694 has 39 MA's), (244, 14811), (269, 14883), (270, 14886), (289, 14922), (301, 14961), (359, 15084), (368, 15105), (405, 15174), (406, 15177), (462, 15309), (487, 15363), (516, 15444), (541, 15504), (543, 15510), (604, 15669), (610, 15687), (614, 15702), (625, 15726), (647, 15798), (648, 15801), (655, 15822), (742, 16056), (746, 16071), (757, 16113), (785, 16206), (787, 16209), (797, 16257), (810, 16287), (815, 16299),

Gene: Mattes_16 Start: 14804, Stop: 16513, Start Num: 87

Candidate Starts for Mattes_16:

(Start: 87 @14804 has 207 MA's), (150, 14891), (Start: 175 @14936 has 47 MA's), (182, 14960), (203, 15017), (230, 15065), (233, 15071), (242, 15089), (257, 15119), (300, 15224), (320, 15278), (323, 15284), (329, 15293), (342, 15314), (352, 15338), (365, 15374), (368, 15380), (396, 15413), (398, 15416), (402, 15425), (408, 15440), (410, 15446), (420, 15464), (427, 15479), (429, 15485), (435, 15503), (436, 15506), (445, 15521), (455, 15536), (456, 15542), (474, 15590), (480, 15602), (484, 15608), (515, 15668), (522, 15680), (538, 15716), (541, 15728), (571, 15803), (573, 15812), (581, 15830), (584, 15836), (596, 15866), (667, 15971), (673, 15983), (687, 16019), (716, 16097), (751, 16217), (759, 16250), (768, 16280), (771, 16292), (776, 16310), (778, 16316), (779, 16319), (781, 16325), (792, 16340), (793, 16343), (798, 16364), (800, 16367), (817, 16409), (822, 16439), (833, 16481), (834, 16487),

Gene: Maverick_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Maverick_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Maxo_27 Start: 19825, Stop: 21603, Start Num: 108

Candidate Starts for Maxo_27:

(Start: 90 @19801 has 8 MA's), (Start: 108 @19825 has 545 MA's), (Start: 146 @19882 has 1 MA's), (Start: 175 @19936 has 47 MA's), (179, 19951), (184, 19969), (227, 20053), (232, 20065), (233, 20068), (264, 20143), (Start: 268 @20158 has 11 MA's), (289, 20197), (338, 20314), (373, 20401), (412, 20482), (435, 20530), (449, 20554), (495, 20641), (522, 20686), (551, 20758), (556, 20779), (563, 20797), (597, 20878), (628, 20971), (630, 20980), (637, 21004), (639, 21010), (647, 21034), (681, 21088), (689, 21109), (710, 21160), (719, 21184), (736, 21238), (760, 21334), (792, 21439), (795, 21454), (828, 21562), (833, 21580),

Gene: Maxxinista_25 Start: 19297, Stop: 20892, Start Num: 147

Candidate Starts for Maxxinista_25:

(Start: 94 @19213 has 79 MA's), (Start: 147 @19297 has 45 MA's), (Start: 183 @19375 has 1 MA's), (227, 19462), (233, 19477), (257, 19525), (271, 19564), (306, 19651), (321, 19684), (342, 19720), (354, 19750), (356, 19756), (400, 19825), (424, 19855), (428, 19867), (429, 19870), (456, 19927), (517, 20059), (520, 20065), (547, 20131), (549, 20137), (556, 20161), (573, 20209), (584, 20233), (589, 20242), (616, 20317), (671, 20368), (678, 20383), (736, 20545), (742, 20572), (751, 20602), (780, 20707), (815, 20785), (822, 20821), (824, 20830), (833, 20863), (838, 20878),

Gene: Mazhar510_27 Start: 19828, Stop: 21606, Start Num: 108

Candidate Starts for Mazhar510_27:

(Start: 90 @19804 has 8 MA's), (Start: 108 @19828 has 545 MA's), (Start: 146 @19885 has 1 MA's), (Start: 175 @19939 has 47 MA's), (179, 19954), (184, 19972), (227, 20056), (232, 20068), (233, 20071), (264, 20146), (Start: 268 @20161 has 11 MA's), (289, 20200), (338, 20317), (373, 20404), (412, 20485), (435, 20533), (449, 20557), (495, 20644), (522, 20689), (551, 20761), (556, 20782), (563, 20800), (597, 20881), (628, 20974), (630, 20983), (637, 21007), (639, 21013), (647, 21037), (681, 21091), (689, 21112), (710, 21163), (719, 21187), (736, 21241), (760, 21337), (792, 21442), (795, 21457), (828, 21565), (833, 21583),

Gene: Mbo4_17 Start: 15757, Stop: 17310, Start Num: 194

Candidate Starts for Mbo4_17:

(140, 15625), (Start: 194 @15757 has 87 MA's), (321, 16027), (343, 16066), (397, 16177), (463, 16333), (546, 16435), (564, 16471), (573, 16507), (604, 16594), (610, 16612), (619, 16639), (634, 16690), (735, 16933), (810, 17194), (816, 17209), (827, 17263),

Gene: McFly_31 Start: 19976, Stop: 21748, Start Num: 108

Candidate Starts for McFly_31:

(65, 19910), (Start: 90 @19952 has 8 MA's), (Start: 108 @19976 has 545 MA's), (208, 20174), (233, 20213), (262, 20285), (264, 20288), (269, 20306), (289, 20342), (292, 20348), (338, 20459), (341, 20465), (356, 20504), (373, 20546), (399, 20585), (412, 20627), (413, 20630), (441, 20690), (557, 20927), (563, 20942), (597, 21023), (639, 21155), (698, 21281), (720, 21332), (724, 21341), (735, 21380), (736, 21383), (738, 21395), (760, 21479), (792, 21584), (794, 21590), (833, 21725),

Gene: McGuire_28 Start: 21127, Stop: 22929, Start Num: 109

Candidate Starts for McGuire_28:

(Start: 109 @21127 has 207 MA's), (Start: 124 @21148 has 4 MA's), (Start: 146 @21190 has 1 MA's), (171, 21235), (264, 21451), (283, 21496), (289, 21505), (321, 21595), (322, 21598), (365, 21691), (413, 21793), (449, 21862), (549, 22063), (551, 22066), (556, 22087), (596, 22183), (597, 22186), (599, 22192), (623, 22261), (628, 22279), (630, 22288), (639, 22318), (681, 22414), (693, 22447), (698, 22462), (745, 22603), (760, 22660), (794, 22771), (840, 22924),

Gene: McMater_23 Start: 16514, Stop: 18280, Start Num: 79

Candidate Starts for McMater_23:

(Start: 75 @16505 has 25 MA's), (Start: 79 @16514 has 139 MA's), (Start: 81 @16520 has 15 MA's), (101, 16544), (129, 16583), (Start: 175 @16670 has 47 MA's), (179, 16685), (184, 16703), (Start: 196 @16736 has 7 MA's), (266, 16901), (283, 16937), (310, 17015), (315, 17024), (363, 17129), (365, 17132), (384, 17171), (395, 17198), (399, 17204), (412, 17246), (418, 17252), (430, 17279), (515, 17417), (525, 17435), (558, 17525), (573, 17552), (586, 17585), (612, 17657), (630, 17711), (641, 17747), (649, 17771), (681, 17816), (693, 17849), (698, 17864), (706, 17882), (718, 17891), (745, 17966), (759, 18017), (760, 18023), (798, 18125), (834, 18251), (835, 18254), (843, 18272),

Gene: Mcklovin_20 Start: 20071, Stop: 21651, Start Num: 194

Candidate Starts for Mcklovin_20:

(149, 19954), (Start: 194 @20071 has 87 MA's), (310, 20329), (321, 20350), (351, 20404), (363, 20443), (397, 20500), (405, 20521), (518, 20692), (527, 20710), (537, 20734), (543, 20755), (564, 20797), (592, 20878), (623, 20968), (655, 21070), (662, 21073), (682, 21127), (716, 21217), (796, 21496), (797, 21505), (810, 21535),

Gene: Mdavu_19 Start: 16685, Stop: 18451, Start Num: 79

Candidate Starts for Mdavu_19:

(Start: 79 @16685 has 139 MA's), (Start: 81 @16691 has 15 MA's), (101, 16715), (Start: 175 @16841 has 47 MA's), (179, 16856), (184, 16874), (210, 16937), (266, 17072), (Start: 268 @17078 has 11 MA's), (310, 17186), (315, 17195), (363, 17300), (395, 17369), (399, 17375), (410, 17411), (418, 17423), (447, 17486), (515, 17588), (525, 17606), (541, 17648), (542, 17651), (586, 17756), (612, 17828), (647, 17936), (649, 17942), (681, 17987), (701, 18041), (718, 18062), (745, 18137), (759, 18188), (795, 18287), (802, 18302), (815, 18338), (824, 18383), (834, 18422), (835, 18425), (843, 18443),

Gene: MeaningOfLife_23 Start: 17124, Stop: 18890, Start Num: 79

Candidate Starts for MeaningOfLife_23:

(Start: 79 @17124 has 139 MA's), (101, 17154), (184, 17313), (Start: 196 @17346 has 7 MA's), (210, 17376), (221, 17409), (227, 17421), (266, 17511), (288, 17553), (310, 17625), (315, 17634), (338, 17673), (356, 17718), (363, 17739), (365, 17742), (393, 17796), (399, 17814), (412, 17856), (418, 17862), (430, 17889), (515, 18027), (525, 18045), (541, 18087), (548, 18105), (558, 18135), (573,

18162), (612, 18267), (681, 18426), (694, 18462), (706, 18492), (718, 18501), (745, 18576), (759, 18627), (824, 18822), (834, 18861), (835, 18864), (843, 18882),

Gene: Medusa_27 Start: 19828, Stop: 21606, Start Num: 108

Candidate Starts for Medusa_27:

(Start: 90 @19804 has 8 MA's), (Start: 108 @19828 has 545 MA's), (Start: 146 @19885 has 1 MA's), (Start: 175 @19939 has 47 MA's), (179, 19954), (184, 19972), (227, 20056), (232, 20068), (233, 20071), (264, 20146), (Start: 268 @20161 has 11 MA's), (289, 20200), (338, 20317), (373, 20404), (412, 20485), (435, 20533), (449, 20557), (495, 20644), (522, 20689), (551, 20761), (556, 20782), (563, 20800), (597, 20881), (628, 20974), (630, 20983), (637, 21007), (639, 21013), (647, 21037), (681, 21091), (689, 21112), (710, 21163), (719, 21187), (736, 21241), (760, 21337), (792, 21442), (795, 21457), (828, 21565), (833, 21583),

Gene: MeeZee_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for MeeZee_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Megiddo_19 Start: 16273, Stop: 18009, Start Num: 82

Candidate Starts for Megiddo_19:

(Start: 71 @16249 has 2 MA's), (Start: 82 @16273 has 44 MA's), (128, 16333), (136, 16354), (138, 16357), (Start: 195 @16477 has 39 MA's), (213, 16516), (232, 16549), (244, 16573), (296, 16693), (306, 16732), (309, 16738), (351, 16822), (352, 16828), (356, 16840), (365, 16864), (379, 16891), (400, 16909), (417, 16948), (420, 16954), (430, 16978), (456, 17032), (461, 17044), (463, 17053), (490, 17113), (526, 17191), (541, 17230), (554, 17263), (573, 17329), (584, 17353), (594, 17377), (605, 17407), (682, 17521), (689, 17533), (692, 17542), (695, 17551), (734, 17659), (755, 17743), (787, 17842), (824, 17950), (838, 17998),

Gene: Megsy_23 Start: 17125, Stop: 18891, Start Num: 79

Candidate Starts for Megsy_23:

(Start: 79 @17125 has 139 MA's), (101, 17155), (184, 17314), (Start: 196 @17347 has 7 MA's), (210, 17377), (221, 17410), (227, 17422), (266, 17512), (288, 17554), (307, 17617), (310, 17626), (315, 17635), (338, 17674), (356, 17719), (363, 17740), (365, 17743), (399, 17815), (412, 17857), (418, 17863), (430, 17890), (515, 18028), (525, 18046), (541, 18088), (548, 18106), (558, 18136), (573, 18163), (612, 18268), (681, 18427), (694, 18463), (706, 18493), (718, 18502), (745, 18577), (759, 18628), (824, 18823), (834, 18862), (835, 18865), (843, 18883),

Gene: MelBins_34 Start: 29286, Stop: 30911, Start Num: 123

Candidate Starts for MelBins_34:

(Start: 123 @29286 has 17 MA's), (131, 29298), (Start: 147 @29331 has 45 MA's), (Start: 152 @29340 has 2 MA's), (159, 29352), (Start: 175 @29382 has 47 MA's), (184, 29415), (227, 29499), (232, 29511), (265, 29586), (292, 29646), (300, 29676), (430, 29883), (443, 29913), (463, 29958), (468, 29970), (490, 30018), (515, 30066), (546, 30138), (557, 30171), (558, 30174), (575, 30213), (593, 30252), (622, 30339), (623, 30342), (688, 30420), (712, 30480), (727, 30525), (747, 30606), (761, 30660), (792, 30741), (795, 30756), (833, 30885), (838, 30900),

Gene: Melba_19 Start: 16650, Stop: 18296, Start Num: 175

Candidate Starts for Melba_19:

(156, 16614), (Start: 175 @16650 has 47 MA's), (213, 16752), (253, 16830), (254, 16833), (294, 16929), (304, 16968), (345, 17049), (364, 17103), (370, 17118), (456, 17289), (466, 17319), (549, 17502), (556, 17526), (557, 17529), (571, 17577), (604, 17670), (608, 17682), (626, 17727), (661, 17742), (712, 17874), (713, 17877), (742, 17976), (747, 17994), (760, 18045), (780, 18111), (808, 18174), (813, 18186),

Gene: Melissauren88_16 Start: 14837, Stop: 16546, Start Num: 87

Candidate Starts for Melissauren88_16:

(Start: 87 @14837 has 207 MA's), (150, 14924), (Start: 175 @14969 has 47 MA's), (182, 14993), (230, 15098), (233, 15104), (242, 15122), (257, 15152), (300, 15257), (323, 15317), (338, 15338), (342, 15347), (351, 15365), (352, 15371), (420, 15497), (427, 15512), (429, 15518), (445, 15554), (448, 15557), (455, 15569), (456, 15575), (474, 15623), (480, 15635), (484, 15641), (515, 15701), (522, 15713), (538, 15749), (541, 15761), (571, 15836), (573, 15845), (581, 15863), (584, 15869), (596, 15899), (667, 16004), (671, 16013), (673, 16016), (687, 16052), (716, 16130), (744, 16229), (751, 16250), (759, 16283), (768, 16313), (776, 16343), (779, 16352), (781, 16358), (792, 16373), (793, 16376), (800, 16400), (813, 16430), (817, 16442), (822, 16472), (833, 16514),

Gene: Mellie_18 Start: 16411, Stop: 18057, Start Num: 175

Candidate Starts for Mellie_18:

(156, 16375), (Start: 175 @16411 has 47 MA's), (213, 16513), (253, 16591), (254, 16594), (294, 16690), (304, 16729), (336, 16789), (345, 16810), (364, 16864), (370, 16879), (422, 16975), (456, 17050), (466, 17080), (549, 17263), (556, 17287), (571, 17338), (604, 17431), (608, 17443), (626, 17488), (661, 17503), (712, 17635), (713, 17638), (742, 17737), (747, 17755), (760, 17806), (778, 17866), (780, 17872), (808, 17935), (813, 17947),

Gene: Melville_18 Start: 14989, Stop: 16698, Start Num: 91

Candidate Starts for Melville_18:

(Start: 91 @14989 has 42 MA's), (115, 15016), (Start: 175 @15121 has 47 MA's), (178, 15133), (190, 15169), (213, 15220), (230, 15250), (233, 15256), (247, 15283), (251, 15289), (300, 15409), (320, 15463), (323, 15469), (337, 15487), (342, 15499), (343, 15502), (352, 15523), (368, 15565), (396, 15598), (420, 15649), (427, 15664), (445, 15706), (455, 15721), (456, 15727), (474, 15775), (486, 15799), (497, 15829), (515, 15853), (541, 15913), (546, 15925), (564, 15979), (571, 15988), (595, 16048), (596, 16051), (667, 16156), (671, 16165), (687, 16204), (735, 16342), (775, 16492), (776, 16495), (779, 16504), (792, 16525), (800, 16552), (815, 16588), (838, 16681),

Gene: Melvin_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Melvin_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: MerCougar_42 Start: 30743, Stop: 32359, Start Num: 194

Candidate Starts for MerCougar_42:

(Start: 194 @30743 has 87 MA's), (243, 30857), (274, 30941), (359, 31124), (401, 31190), (405, 31205), (419, 31229), (421, 31232), (457, 31316), (469, 31346), (496, 31397), (499, 31406), (505, 31424), (519, 31454), (532, 31478), (565, 31562), (570, 31583), (593, 31631), (604, 31670), (622, 31718), (669, 31844), (683, 31880), (730, 31991), (747, 32054), (751, 32066), (813, 32243), (822, 32285), (838, 32342),

Gene: Mercurio_20 Start: 17337, Stop: 19148, Start Num: 57

Candidate Starts for Mercurio_20:

(14, 16770), (42, 17289), (45, 17307), (Start: 57 @17337 has 1 MA's), (154, 17487), (179, 17541), (Start: 196 @17592 has 7 MA's), (210, 17622), (219, 17646), (255, 17724), (288, 17799), (399, 18069), (403, 18078), (418, 18117), (434, 18156), (452, 18186), (480, 18240), (515, 18282), (573, 18423), (612, 18528), (623, 18555), (653, 18648), (693, 18720), (728, 18783), (733, 18798), (741, 18822), (759, 18888), (795, 18987), (824, 19083), (836, 19128),

Gene: MetalQZJ_27 Start: 21259, Stop: 23061, Start Num: 109

Candidate Starts for MetalQZJ_27:

(Start: 109 @21259 has 207 MA's), (Start: 124 @21280 has 4 MA's), (Start: 146 @21322 has 1 MA's), (171, 21367), (264, 21583), (283, 21628), (289, 21637), (321, 21727), (322, 21730), (365, 21823), (413, 21925), (449, 21994), (545, 22183), (549, 22195), (551, 22198), (556, 22219), (596, 22315), (597, 22318), (599, 22324), (623, 22393), (628, 22411), (630, 22420), (639, 22450), (681, 22546), (693, 22579), (698, 22594), (745, 22735), (760, 22792), (794, 22903),

Gene: Methuselah_28 Start: 20462, Stop: 22258, Start Num: 108

Candidate Starts for Methuselah_28:

(Start: 108 @20462 has 545 MA's), (Start: 146 @20519 has 1 MA's), (154, 20534), (173, 20567), (179, 20588), (Start: 183 @20603 has 1 MA's), (227, 20690), (232, 20702), (233, 20705), (264, 20780), (Start: 268 @20795 has 11 MA's), (288, 20831), (373, 21038), (430, 21152), (449, 21191), (495, 21278), (549, 21392), (556, 21416), (563, 21434), (597, 21515), (623, 21590), (628, 21608), (637, 21641), (639, 21647), (653, 21686), (680, 21740), (681, 21743), (689, 21764), (713, 21821), (760, 21989), (792, 22094), (794, 22100), (833, 22235),

Gene: Meyran_21 Start: 18916, Stop: 20562, Start Num: 157

Candidate Starts for Meyran_21:

(53, 18715), (76, 18775), (133, 18868), (Start: 152 @18904 has 2 MA's), (Start: 157 @18916 has 3 MA's), (Start: 198 @19030 has 1 MA's), (200, 19036), (228, 19084), (267, 19180), (269, 19186), (312, 19297), (316, 19306), (333, 19333), (337, 19339), (338, 19342), (349, 19363), (428, 19534), (429, 19537), (458, 19603), (463, 19618), (498, 19702), (508, 19711), (529, 19753), (538, 19774), (555, 19822), (557, 19834), (566, 19861), (594, 19930), (620, 19999), (667, 20032), (691, 20089), (712, 20140), (733, 20209), (747, 20260), (756, 20296), (760, 20311), (777, 20368), (780, 20377), (798, 20416), (814, 20455), (816, 20461),

Gene: MiaZeal_34 Start: 24890, Stop: 26623, Start Num: 89

Candidate Starts for MiaZeal_34:

(Start: 89 @24890 has 30 MA's), (Start: 147 @24980 has 45 MA's), (150, 24983), (182, 25058), (193, 25085), (227, 25151), (244, 25187), (259, 25217), (264, 25232), (298, 25316), (309, 25352), (321, 25379), (343, 25418), (356, 25451), (359, 25460), (398, 25517), (413, 25559), (453, 25634), (456, 25646), (480, 25706), (503, 25760), (517, 25790), (526, 25808), (531, 25817), (542, 25850), (547, 25862), (549, 25868), (561, 25907), (584, 25964), (678, 26114), (682, 26132), (700, 26174), (711, 26198), (712, 26201), (716, 26216), (727, 26246), (736, 26276), (751, 26333), (803, 26483), (835, 26603), (838, 26609),

Gene: Micasa_24 Start: 19633, Stop: 21429, Start Num: 108

Candidate Starts for Micasa_24:

(Start: 108 @19633 has 545 MA's), (Start: 175 @19738 has 47 MA's), (184, 19771), (233, 19870), (264, 19945), (Start: 268 @19960 has 11 MA's), (288, 19996), (310, 20068), (318, 20083), (341, 20122), (441, 20347), (446, 20353), (522, 20488), (545, 20545), (546, 20548), (549, 20557), (563, 20599), (569, 20617), (596, 20677), (597, 20680), (628, 20773), (630, 20782), (637, 20806), (680, 20914), (693, 20950), (760, 21160), (791, 21262), (794, 21271), (833, 21406), (835, 21415),

Gene: MichaelScott_20 Start: 17703, Stop: 19283, Start Num: 194

Candidate Starts for MichaelScott_20:

(149, 17586), (Start: 194 @17703 has 87 MA's), (310, 17961), (321, 17982), (351, 18036), (363, 18075), (397, 18132), (405, 18153), (518, 18324), (527, 18342), (537, 18366), (543, 18387), (564, 18429), (592, 18510), (623, 18600), (635, 18645), (655, 18702), (662, 18705), (682, 18759), (716, 18849), (796, 19128), (797, 19137), (810, 19167),

Gene: MichelleMyBell_18 Start: 14987, Stop: 16696, Start Num: 91

Candidate Starts for MichelleMyBell_18:

(Start: 91 @14987 has 42 MA's), (115, 15014), (Start: 175 @15119 has 47 MA's), (178, 15131), (190, 15167), (213, 15218), (227, 15239), (230, 15248), (233, 15254), (244, 15275), (251, 15287), (320, 15461), (323, 15467), (337, 15485), (342, 15497), (343, 15500), (352, 15521), (396, 15596), (408, 15623), (420, 15647), (422, 15650), (427, 15662), (445, 15704), (455, 15719), (456, 15725), (459, 15734), (474, 15773), (497, 15827), (515, 15851), (541, 15911), (564, 15977), (571, 15986), (573, 15995), (595, 16046), (596, 16049), (667, 16154), (687, 16202), (700, 16238), (713, 16268), (735, 16340), (776, 16493), (779, 16502), (792, 16523), (795, 16538), (800, 16550), (815, 16586), (817, 16592),

Gene: Michley_27 Start: 21004, Stop: 22806, Start Num: 109

Candidate Starts for Michley_27:

(Start: 109 @21004 has 207 MA's), (Start: 124 @21025 has 4 MA's), (Start: 146 @21067 has 1 MA's), (171, 21112), (264, 21328), (283, 21373), (289, 21382), (301, 21421), (321, 21472), (322, 21475), (413, 21670), (449, 21739), (549, 21940), (551, 21943), (556, 21964), (596, 22060), (597, 22063), (599, 22069), (623, 22138), (628, 22156), (630, 22165), (639, 22195), (681, 22291), (693, 22324), (698, 22339), (745, 22480), (760, 22537), (794, 22648),

Gene: Microwolf_29 Start: 20380, Stop: 22176, Start Num: 108

Candidate Starts for Microwolf_29:

(Start: 108 @20380 has 545 MA's), (Start: 146 @20437 has 1 MA's), (154, 20452), (173, 20485), (179, 20506), (Start: 183 @20521 has 1 MA's), (227, 20608), (232, 20620), (233, 20623), (264, 20698), (Start: 268 @20713 has 11 MA's), (288, 20749), (373, 20956), (430, 21070), (449, 21109), (495, 21196), (549, 21310), (556, 21334), (563, 21352), (597, 21433), (623, 21508), (628, 21526), (637, 21559), (639, 21565), (653, 21604), (680, 21658), (681, 21661), (689, 21682), (713, 21739), (760, 21907), (792, 22012), (794, 22018), (833, 22153),

Gene: MiculUcigas_28 Start: 20213, Stop: 21985, Start Num: 108

Candidate Starts for MiculUcigas_28:

(Start: 90 @20189 has 8 MA's), (Start: 108 @20213 has 545 MA's), (Start: 183 @20348 has 1 MA's), (232, 20447), (233, 20450), (262, 20522), (264, 20525), (289, 20579), (292, 20585), (310, 20648), (338, 20696), (352, 20729), (373, 20783), (412, 20864), (413, 20867), (430, 20897), (513, 21053), (551, 21140), (597, 21260), (636, 21383), (637, 21386), (639, 21392), (669, 21440), (693, 21503), (698, 21518), (701, 21524), (724, 21578), (735, 21617), (738, 21632), (747, 21665), (792, 21821), (794, 21827), (813, 21881),

Gene: Midas2_24 Start: 19707, Stop: 21503, Start Num: 108

Candidate Starts for Midas2_24:

(Start: 99 @19695 has 4 MA's), (Start: 108 @19707 has 545 MA's), (Start: 175 @19812 has 47 MA's), (184, 19845), (233, 19944), (264, 20019), (Start: 268 @20034 has 11 MA's), (288, 20070), (310, 20142), (318, 20157), (341, 20196), (441, 20421), (446, 20427), (522, 20562), (545, 20619), (546, 20622), (549, 20631), (563, 20673), (569, 20691), (596, 20751), (597, 20754), (628, 20847), (630, 20856), (637, 20880), (680, 20988), (693, 21024), (760, 21234), (791, 21336), (794, 21345), (833, 21480), (835, 21489),

Gene: Miko_31 Start: 21807, Stop: 23579, Start Num: 108

Candidate Starts for Miko_31:

(Start: 90 @21783 has 8 MA's), (Start: 108 @21807 has 545 MA's), (202, 21990), (232, 22041), (233, 22044), (262, 22116), (264, 22119), (289, 22173), (338, 22290), (373, 22377), (406, 22437), (412, 22458), (413, 22461), (434, 22503), (513, 22647), (551, 22734), (563, 22773), (597, 22854), (639, 22986), (693, 23097), (698, 23112), (701, 23118), (724, 23172), (735, 23211), (738, 23226), (747, 23259), (760, 23310), (784, 23388), (792, 23415), (794, 23421), (813, 23475),

Gene: MilanaBonita_17 Start: 15476, Stop: 17185, Start Num: 87

Candidate Starts for MilanaBonita_17:

(Start: 87 @15476 has 207 MA's), (150, 15563), (Start: 175 @15608 has 47 MA's), (182, 15632), (230, 15737), (233, 15743), (242, 15761), (257, 15791), (300, 15896), (323, 15956), (338, 15977), (342, 15986), (352, 16010), (420, 16136), (427, 16151), (429, 16157), (445, 16193), (448, 16196), (455, 16208), (456, 16214), (474, 16262), (480, 16274), (484, 16280), (515, 16340), (522, 16352), (538, 16388), (541, 16400), (571, 16475), (573, 16484), (581, 16502), (584, 16508), (596, 16538), (667, 16643), (671, 16652), (673, 16655), (680, 16676), (687, 16691), (713, 16757), (716, 16769), (744, 16868), (751, 16889), (759, 16922), (768, 16952), (776, 16982), (779, 16991), (781, 16997), (792, 17012), (793, 17015), (800, 17039), (813, 17069), (817, 17081), (822, 17111), (833, 17153),

Gene: Milcery_24 Start: 19663, Stop: 21459, Start Num: 108

Candidate Starts for Milcery_24:

(Start: 108 @19663 has 545 MA's), (Start: 175 @19768 has 47 MA's), (184, 19801), (233, 19900), (264, 19975), (Start: 268 @19990 has 11 MA's), (288, 20026), (310, 20098), (318, 20113), (341, 20152), (352, 20179), (359, 20200), (381, 20239), (441, 20377), (446, 20383), (522, 20518), (545, 20575), (546, 20578), (549, 20587), (563, 20629), (569, 20647), (596, 20707), (597, 20710), (628, 20803), (630, 20812), (637, 20836), (680, 20944), (693, 20980), (760, 21190), (791, 21292), (794, 21301), (827, 21415), (833, 21436), (835, 21445),

Gene: MilleniumForce_17 Start: 15620, Stop: 17329, Start Num: 87

Candidate Starts for MilleniumForce_17:

(Start: 87 @15620 has 207 MA's), (150, 15707), (Start: 175 @15752 has 47 MA's), (182, 15776), (230, 15881), (233, 15887), (242, 15905), (257, 15935), (300, 16040), (323, 16100), (338, 16121), (342, 16130), (352, 16154), (420, 16280), (427, 16295), (429, 16301), (445, 16337), (448, 16340), (455, 16352), (456, 16358), (474, 16406), (480, 16418), (484, 16424), (515, 16484), (522, 16496), (538, 16532), (541, 16544), (571, 16619), (573, 16628), (581, 16646), (584, 16652), (596, 16682), (667, 16787), (671, 16796), (673, 16799), (687, 16835), (716, 16913), (744, 17012), (751, 17033), (759, 17066), (768, 17096), (776, 17126), (779, 17135), (781, 17141), (792, 17156), (793, 17159), (800, 17183), (813, 17213), (817, 17225), (822, 17255), (833, 17297),

Gene: Millski_26 Start: 19830, Stop: 21608, Start Num: 108

Candidate Starts for Millski_26:

(Start: 90 @19806 has 8 MA's), (Start: 108 @19830 has 545 MA's), (Start: 146 @19887 has 1 MA's), (Start: 175 @19941 has 47 MA's), (179, 19956), (184, 19974), (227, 20058), (232, 20070), (233, 20073), (264, 20148), (Start: 268 @20163 has 11 MA's), (289, 20202), (338, 20319), (373, 20406), (412, 20487), (435, 20535), (449, 20559), (495, 20646), (522, 20691), (551, 20763), (556, 20784), (563, 20802), (597, 20883), (628, 20976), (630, 20985), (637, 21009), (639, 21015), (647, 21039), (681, 21093), (689, 21114), (710, 21165), (719, 21189), (736, 21243), (760, 21339), (792, 21444), (795, 21459), (828, 21567), (833, 21585),

Gene: Milly_19 Start: 15013, Stop: 16782, Start Num: 78

Candidate Starts for Milly_19:

(Start: 62 @14977 has 1 MA's), (Start: 75 @15007 has 25 MA's), (Start: 78 @15013 has 41 MA's), (Start: 97 @15028 has 44 MA's), (129, 15070), (154, 15118), (Start: 175 @15157 has 47 MA's), (179,

15172), (Start: 196 @15223 has 7 MA's), (210, 15253), (221, 15286), (227, 15298), (234, 15316), (266, 15388), (Start: 268 @15394 has 11 MA's), (306, 15490), (310, 15502), (359, 15604), (365, 15619), (383, 15655), (399, 15691), (418, 15739), (434, 15778), (447, 15802), (454, 15814), (515, 15904), (520, 15913), (612, 16159), (630, 16213), (647, 16267), (706, 16381), (718, 16390), (745, 16465), (759, 16516), (760, 16522), (792, 16603), (795, 16618), (816, 16672), (834, 16753), (843, 16774),

Gene: Mindy_24 Start: 19608, Stop: 21203, Start Num: 147

Candidate Starts for Mindy_24:

(Start: 94 @19524 has 79 MA's), (Start: 147 @19608 has 45 MA's), (Start: 183 @19686 has 1 MA's), (227, 19773), (233, 19788), (257, 19836), (271, 19875), (306, 19962), (321, 19995), (342, 20031), (354, 20061), (356, 20067), (400, 20136), (424, 20166), (428, 20178), (429, 20181), (456, 20238), (517, 20370), (520, 20376), (547, 20442), (549, 20448), (556, 20472), (573, 20520), (584, 20544), (589, 20553), (616, 20628), (671, 20679), (678, 20694), (736, 20856), (742, 20883), (751, 20913), (780, 21018), (815, 21096), (822, 21132), (824, 21141), (833, 21174), (838, 21189),

Gene: MinecraftSteve_31 Start: 19215, Stop: 21002, Start Num: 108

Candidate Starts for MinecraftSteve_31:

(65, 19149), (Start: 90 @19191 has 8 MA's), (Start: 108 @19215 has 545 MA's), (184, 19353), (207, 19410), (233, 19452), (247, 19488), (264, 19527), (295, 19596), (301, 19620), (322, 19674), (399, 19824), (413, 19869), (430, 19899), (446, 19935), (468, 19986), (493, 20022), (522, 20070), (546, 20130), (596, 20259), (623, 20337), (698, 20538), (701, 20544), (736, 20640), (782, 20805), (815, 20904),

Gene: Minerva_37 Start: 28330, Stop: 30328, Start Num: 89

Candidate Starts for Minerva_37:

(Start: 89 @28330 has 30 MA's), (Start: 147 @28420 has 45 MA's), (172, 28468), (182, 28498), (193, 28525), (244, 28627), (259, 28657), (298, 28756), (309, 28792), (310, 28798), (321, 28819), (356, 28891), (359, 28900), (368, 28921), (429, 29029), (430, 29032), (435, 29047), (456, 29086), (474, 29134), (480, 29146), (484, 29152), (503, 29200), (507, 29209), (517, 29230), (526, 29248), (545, 29296), (581, 29398), (610, 29470), (627, 29515), (629, 29527), (656, 29662), (657, 29668), (658, 29692), (659, 29764), (665, 29791), (752, 30040),

Gene: MinionDave_17 Start: 15489, Stop: 17198, Start Num: 87

Candidate Starts for MinionDave_17:

(Start: 87 @15489 has 207 MA's), (150, 15576), (Start: 175 @15621 has 47 MA's), (182, 15645), (230, 15750), (233, 15756), (242, 15774), (257, 15804), (300, 15909), (323, 15969), (338, 15990), (342, 15999), (352, 16023), (420, 16149), (427, 16164), (429, 16170), (445, 16206), (448, 16209), (455, 16221), (456, 16227), (474, 16275), (480, 16287), (484, 16293), (515, 16353), (522, 16365), (538, 16401), (541, 16413), (571, 16488), (573, 16497), (581, 16515), (584, 16521), (596, 16551), (667, 16656), (671, 16665), (673, 16668), (687, 16704), (716, 16782), (744, 16881), (751, 16902), (759, 16935), (768, 16965), (776, 16995), (779, 17004), (781, 17010), (792, 17025), (793, 17028), (800, 17052), (813, 17082), (817, 17094), (822, 17124), (833, 17166),

Gene: Miniwave_24 Start: 19943, Stop: 21622, Start Num: 94

Candidate Starts for Miniwave_24:

(Start: 94 @19943 has 79 MA's), (Start: 147 @20027 has 45 MA's), (Start: 183 @20105 has 1 MA's), (227, 20192), (233, 20207), (257, 20255), (271, 20294), (306, 20381), (321, 20414), (342, 20450), (354, 20480), (356, 20486), (400, 20555), (424, 20585), (428, 20597), (429, 20600), (456, 20657), (517, 20789), (520, 20795), (547, 20861), (549, 20867), (556, 20891), (573, 20939), (584, 20963), (589, 20972), (616, 21047), (671, 21098), (678, 21113), (736, 21275), (742, 21302), (751, 21332), (780, 21437), (815, 21515), (822, 21551), (824, 21560), (833, 21593), (838, 21608),

Gene: Minnie_17 Start: 15349, Stop: 17058, Start Num: 87

Candidate Starts for Minnie_17:

(Start: 87 @15349 has 207 MA's), (150, 15436), (Start: 175 @15481 has 47 MA's), (182, 15505), (230, 15610), (233, 15616), (242, 15634), (257, 15664), (300, 15769), (320, 15823), (323, 15829), (338, 15850), (342, 15859), (352, 15883), (420, 16009), (427, 16024), (429, 16030), (445, 16066), (448, 16069), (455, 16081), (456, 16087), (474, 16135), (480, 16147), (484, 16153), (515, 16213), (522, 16225), (538, 16261), (541, 16273), (571, 16348), (573, 16357), (581, 16375), (584, 16381), (596, 16411), (667, 16516), (671, 16525), (673, 16528), (687, 16564), (716, 16642), (744, 16741), (751, 16762), (759, 16795), (768, 16825), (776, 16855), (779, 16864), (781, 16870), (792, 16885), (793, 16888), (800, 16912), (813, 16942), (817, 16954), (822, 16984), (833, 17026),

Gene: MintFen_19 Start: 16650, Stop: 18296, Start Num: 175

Candidate Starts for MintFen_19:

(156, 16614), (Start: 175 @16650 has 47 MA's), (213, 16752), (253, 16830), (254, 16833), (294, 16929), (304, 16968), (345, 17049), (364, 17103), (370, 17118), (456, 17289), (466, 17319), (549, 17502), (556, 17526), (557, 17529), (571, 17577), (604, 17670), (608, 17682), (626, 17727), (661, 17742), (712, 17874), (713, 17877), (742, 17976), (747, 17994), (760, 18045), (780, 18111), (808, 18174), (813, 18186),

Gene: Miramae_27 Start: 19775, Stop: 21568, Start Num: 112

Candidate Starts for Miramae_27:

(41, 19619), (55, 19664), (Start: 90 @19745 has 8 MA's), (Start: 108 @19769 has 545 MA's), (Start: 112 @19775 has 3 MA's), (Start: 146 @19829 has 1 MA's), (179, 19898), (208, 19976), (227, 20000), (232, 20012), (233, 20015), (264, 20090), (Start: 268 @20105 has 11 MA's), (289, 20144), (322, 20237), (338, 20261), (373, 20348), (430, 20462), (495, 20588), (522, 20633), (549, 20702), (556, 20726), (559, 20738), (597, 20825), (623, 20900), (628, 20918), (637, 20951), (639, 20957), (645, 20972), (680, 21050), (681, 21053), (689, 21074), (760, 21299), (792, 21404), (794, 21410), (833, 21545), (840, 21563),

Gene: Miryou_21 Start: 17480, Stop: 19252, Start Num: 81

Candidate Starts for Miryou_21:

(Start: 81 @17480 has 15 MA's), (86, 17486), (103, 17510), (129, 17543), (154, 17591), (179, 17645), (Start: 196 @17696 has 7 MA's), (221, 17759), (Start: 268 @17867 has 11 MA's), (310, 17975), (363, 18089), (365, 18092), (384, 18131), (393, 18146), (395, 18158), (399, 18164), (412, 18206), (418, 18212), (434, 18251), (447, 18275), (515, 18377), (542, 18440), (557, 18485), (612, 18620), (645, 18719), (683, 18797), (693, 18821), (701, 18842), (706, 18854), (709, 18860), (745, 18938), (747, 18944), (798, 19097), (829, 19202), (830, 19205), (834, 19223),

Gene: Misfit_24 Start: 19833, Stop: 21512, Start Num: 94

Candidate Starts for Misfit_24:

(Start: 94 @19833 has 79 MA's), (Start: 147 @19917 has 45 MA's), (Start: 183 @19995 has 1 MA's), (227, 20082), (233, 20097), (257, 20145), (271, 20184), (306, 20271), (321, 20304), (342, 20340), (354, 20370), (356, 20376), (400, 20445), (424, 20475), (428, 20487), (429, 20490), (456, 20547), (517, 20679), (520, 20685), (547, 20751), (549, 20757), (556, 20781), (573, 20829), (584, 20853), (589, 20862), (616, 20937), (671, 20988), (678, 21003), (736, 21165), (742, 21192), (751, 21222), (780, 21327), (815, 21405), (822, 21441), (824, 21450), (833, 21483), (838, 21498),

Gene: Misha28_17 Start: 14677, Stop: 16386, Start Num: 87

Candidate Starts for Misha28_17:

(Start: 87 @14677 has 207 MA's), (150, 14764), (Start: 175 @14809 has 47 MA's), (182, 14833), (230, 14938), (233, 14944), (242, 14962), (247, 14971), (257, 14992), (300, 15097), (323, 15157), (329, 15166), (338, 15178), (342, 15187), (352, 15211), (365, 15247), (368, 15253), (374, 15265), (396, 15286), (398, 15289), (402, 15298), (408, 15313), (410, 15319), (420, 15337), (427, 15352), (429, 15358), (435, 15376), (436, 15379), (445, 15394), (455, 15409), (456, 15415), (474, 15463), (480,

15475), (484, 15481), (515, 15541), (522, 15553), (526, 15562), (538, 15589), (541, 15601), (549, 15622), (571, 15676), (573, 15685), (584, 15709), (596, 15739), (667, 15844), (673, 15856), (687, 15892), (716, 15970), (744, 16069), (751, 16090), (759, 16123), (768, 16153), (776, 16183), (778, 16189), (779, 16192), (781, 16198), (792, 16213), (793, 16216), (798, 16237), (817, 16282), (833, 16354), (834, 16360),

Gene: Miskis_50 Start: 29375, Stop: 31066, Start Num: 110

Candidate Starts for Miskis_50:

(Start: 110 @29375 has 14 MA's), (144, 29435), (159, 29468), (174, 29498), (176, 29501), (230, 29627), (244, 29660), (249, 29669), (301, 29798), (319, 29846), (456, 30059), (458, 30065), (466, 30089), (529, 30218), (538, 30239), (549, 30272), (616, 30470), (713, 30623), (742, 30722), (745, 30734), (748, 30743), (771, 30827), (823, 30974), (832, 31010), (835, 31022),

Gene: Misomonster_31 Start: 20462, Stop: 22258, Start Num: 108

Candidate Starts for Misomonster_31:

(Start: 108 @20462 has 545 MA's), (Start: 146 @20519 has 1 MA's), (154, 20534), (173, 20567), (179, 20588), (Start: 183 @20603 has 1 MA's), (227, 20690), (232, 20702), (233, 20705), (264, 20780), (Start: 268 @20795 has 11 MA's), (288, 20831), (373, 21038), (430, 21152), (449, 21191), (495, 21278), (549, 21392), (556, 21416), (563, 21434), (597, 21515), (623, 21590), (628, 21608), (637, 21641), (639, 21647), (653, 21686), (680, 21740), (681, 21743), (689, 21764), (713, 21821), (760, 21989), (792, 22094), (794, 22100), (833, 22235),

Gene: MissDaisy_24 Start: 18385, Stop: 20172, Start Num: 78

Candidate Starts for MissDaisy_24:

(Start: 62 @18349 has 1 MA's), (Start: 75 @18379 has 25 MA's), (Start: 78 @18385 has 41 MA's), (Start: 79 @18388 has 139 MA's), (129, 18442), (154, 18490), (Start: 175 @18529 has 47 MA's), (179, 18544), (184, 18562), (Start: 196 @18595 has 7 MA's), (210, 18625), (227, 18670), (234, 18688), (266, 18760), (Start: 268 @18766 has 11 MA's), (283, 18796), (306, 18862), (310, 18874), (373, 19009), (395, 19057), (399, 19063), (405, 19081), (418, 19111), (434, 19150), (515, 19276), (541, 19336), (542, 19339), (549, 19357), (555, 19372), (612, 19540), (630, 19594), (645, 19639), (668, 19684), (681, 19708), (693, 19741), (706, 19774), (718, 19783), (742, 19846), (745, 19858), (759, 19909), (760, 19915), (798, 20017), (834, 20143), (843, 20164),

Gene: MissRona_21 Start: 16962, Stop: 18611, Start Num: 175

Candidate Starts for MissRona_21:

(156, 16926), (Start: 175 @16962 has 47 MA's), (178, 16971), (213, 17067), (253, 17145), (280, 17217), (294, 17244), (304, 17283), (345, 17364), (364, 17418), (456, 17604), (466, 17634), (514, 17733), (549, 17817), (556, 17841), (571, 17892), (604, 17985), (608, 17997), (626, 18042), (661, 18057), (712, 18189), (713, 18192), (742, 18291), (747, 18309), (760, 18360), (778, 18420), (780, 18426), (813, 18501),

Gene: MissWhite_28 Start: 19278, Stop: 21071, Start Num: 108

Candidate Starts for MissWhite_28:

(65, 19212), (Start: 90 @19254 has 8 MA's), (Start: 108 @19278 has 545 MA's), (173, 19377), (184, 19416), (232, 19512), (233, 19515), (262, 19587), (264, 19590), (Start: 268 @19605 has 11 MA's), (289, 19644), (292, 19650), (338, 19761), (341, 19767), (373, 19848), (405, 19905), (412, 19929), (413, 19932), (472, 20058), (500, 20094), (549, 20202), (563, 20244), (592, 20310), (597, 20325), (668, 20523), (681, 20556), (683, 20565), (693, 20589), (698, 20604), (710, 20628), (735, 20703), (738, 20718), (792, 20907), (794, 20913), (809, 20958),

Gene: MisterCuddles_16 Start: 14774, Stop: 16483, Start Num: 87

Candidate Starts for MisterCuddles_16:

(Start: 87 @14774 has 207 MA's), (150, 14861), (Start: 175 @14906 has 47 MA's), (182, 14930), (230, 15035), (233, 15041), (242, 15059), (257, 15089), (300, 15194), (320, 15248), (323, 15254), (329, 15263), (338, 15275), (342, 15284), (352, 15308), (365, 15344), (368, 15350), (374, 15362), (396, 15383), (398, 15386), (402, 15395), (408, 15410), (410, 15416), (420, 15434), (427, 15449), (429, 15455), (435, 15473), (436, 15476), (445, 15491), (455, 15506), (456, 15512), (466, 15542), (474, 15560), (480, 15572), (484, 15578), (515, 15638), (522, 15650), (538, 15686), (541, 15698), (549, 15719), (571, 15773), (573, 15782), (584, 15806), (596, 15836), (667, 15941), (673, 15953), (687, 15989), (701, 16028), (716, 16067), (744, 16166), (751, 16187), (759, 16220), (768, 16250), (776, 16280), (779, 16289), (781, 16295), (792, 16310), (793, 16313), (798, 16334), (800, 16337), (817, 16379), (822, 16409), (833, 16451), (834, 16457),

Gene: Mitti_24 Start: 18546, Stop: 20333, Start Num: 79

Candidate Starts for Mitti_24:

(Start: 62 @18507 has 1 MA's), (Start: 75 @18537 has 25 MA's), (Start: 78 @18543 has 41 MA's), (Start: 79 @18546 has 139 MA's), (129, 18603), (154, 18651), (Start: 175 @18690 has 47 MA's), (179, 18705), (184, 18723), (Start: 196 @18756 has 7 MA's), (210, 18786), (227, 18831), (234, 18849), (266, 18921), (Start: 268 @18927 has 11 MA's), (283, 18957), (306, 19023), (310, 19035), (373, 19170), (395, 19218), (399, 19224), (405, 19242), (418, 19272), (434, 19311), (515, 19437), (541, 19497), (542, 19500), (549, 19518), (555, 19533), (612, 19701), (630, 19755), (645, 19800), (668, 19845), (681, 19869), (693, 19902), (706, 19935), (742, 20007), (745, 20019), (759, 20070), (760, 20076), (798, 20178), (834, 20304), (843, 20325),

Gene: Mkhuseleli_28 Start: 21152, Stop: 22954, Start Num: 109

Candidate Starts for Mkhuseleli_28:

(Start: 109 @21152 has 207 MA's), (Start: 124 @21173 has 4 MA's), (Start: 146 @21215 has 1 MA's), (171, 21260), (264, 21476), (283, 21521), (289, 21530), (301, 21569), (321, 21620), (322, 21623), (352, 21680), (413, 21818), (449, 21887), (549, 22088), (551, 22091), (556, 22112), (596, 22208), (597, 22211), (599, 22217), (623, 22286), (628, 22304), (630, 22313), (639, 22343), (681, 22439), (693, 22472), (698, 22487), (713, 22517), (745, 22628), (760, 22685), (794, 22796),

Gene: Mocha12_17 Start: 14758, Stop: 16467, Start Num: 195

Candidate Starts for Mocha12_17:

(Start: 195 @14758 has 39 MA's), (244, 14875), (301, 15025), (319, 15064), (328, 15079), (359, 15148), (363, 15160), (405, 15238), (406, 15241), (462, 15373), (487, 15427), (516, 15508), (541, 15568), (543, 15574), (546, 15580), (576, 15661), (592, 15697), (604, 15733), (610, 15751), (625, 15790), (647, 15862), (655, 15886), (742, 16120), (746, 16135), (757, 16177), (785, 16270), (787, 16273), (797, 16321), (810, 16351),

Gene: Modragons_16 Start: 15041, Stop: 16750, Start Num: 87

Candidate Starts for Modragons_16:

(Start: 87 @15041 has 207 MA's), (150, 15128), (161, 15149), (Start: 175 @15173 has 47 MA's), (182, 15197), (187, 15218), (230, 15302), (233, 15308), (242, 15326), (257, 15356), (300, 15461), (320, 15515), (323, 15521), (337, 15539), (338, 15542), (342, 15551), (352, 15575), (396, 15650), (402, 15662), (408, 15677), (410, 15683), (420, 15701), (427, 15716), (429, 15722), (438, 15749), (445, 15758), (455, 15773), (456, 15779), (474, 15827), (480, 15839), (484, 15845), (515, 15905), (522, 15917), (538, 15953), (541, 15965), (549, 15986), (571, 16040), (573, 16049), (581, 16067), (584, 16073), (596, 16103), (667, 16208), (671, 16217), (673, 16220), (687, 16256), (701, 16295), (716, 16334), (751, 16454), (759, 16487), (768, 16517), (776, 16547), (779, 16556), (781, 16562), (792, 16577), (793, 16580), (798, 16601), (800, 16604), (815, 16640), (817, 16646), (822, 16676), (833, 16718),

Gene: Moldemort_25 Start: 19488, Stop: 21167, Start Num: 94

Candidate Starts for Moldemort_25:

(Start: 94 @19488 has 79 MA's), (Start: 147 @19572 has 45 MA's), (Start: 183 @19650 has 1 MA's), (227, 19737), (233, 19752), (257, 19800), (271, 19839), (306, 19926), (321, 19959), (342, 19995), (354, 20025), (356, 20031), (400, 20100), (424, 20130), (428, 20142), (429, 20145), (456, 20202), (517, 20334), (520, 20340), (547, 20406), (549, 20412), (556, 20436), (573, 20484), (584, 20508), (589, 20517), (616, 20592), (671, 20643), (678, 20658), (736, 20820), (742, 20847), (751, 20877), (780, 20982), (815, 21060), (822, 21096), (824, 21105), (833, 21138), (838, 21153),

Gene: Molly_28 Start: 20868, Stop: 22670, Start Num: 109

Candidate Starts for Molly_28:

(Start: 109 @20868 has 207 MA's), (Start: 124 @20889 has 4 MA's), (Start: 146 @20931 has 1 MA's), (171, 20976), (264, 21192), (283, 21237), (289, 21246), (301, 21285), (321, 21336), (322, 21339), (413, 21534), (449, 21603), (549, 21804), (551, 21807), (556, 21828), (596, 21924), (597, 21927), (599, 21933), (623, 22002), (628, 22020), (630, 22029), (639, 22059), (681, 22155), (693, 22188), (698, 22203), (745, 22344), (760, 22401), (794, 22512),

Gene: Mollymur_31 Start: 28168, Stop: 30066, Start Num: 109

Candidate Starts for Mollymur_31:

(Start: 109 @28168 has 207 MA's), (Start: 113 @28171 has 4 MA's), (Start: 124 @28189 has 4 MA's), (144, 28228), (275, 28531), (301, 28588), (319, 28636), (358, 28720), (386, 28858), (387, 28864), (406, 28930), (456, 29062), (458, 29068), (554, 29287), (555, 29290), (598, 29410), (616, 29470), (671, 29521), (678, 29536), (742, 29722), (745, 29734), (760, 29791), (841, 30034), (844, 30058),

Gene: Monet_29 Start: 22353, Stop: 24155, Start Num: 109

Candidate Starts for Monet_29:

(Start: 109 @22353 has 207 MA's), (Start: 124 @22374 has 4 MA's), (Start: 146 @22416 has 1 MA's), (171, 22461), (264, 22677), (283, 22722), (289, 22731), (301, 22770), (321, 22821), (322, 22824), (365, 22917), (413, 23019), (449, 23088), (549, 23289), (551, 23292), (556, 23313), (596, 23409), (597, 23412), (599, 23418), (623, 23487), (628, 23505), (630, 23514), (639, 23544), (681, 23640), (693, 23673), (698, 23688), (745, 23829), (760, 23886), (794, 23997),

Gene: MoneyMay_29 Start: 20378, Stop: 22174, Start Num: 108

Candidate Starts for MoneyMay_29:

(Start: 108 @20378 has 545 MA's), (Start: 146 @20435 has 1 MA's), (154, 20450), (173, 20483), (179, 20504), (Start: 183 @20519 has 1 MA's), (227, 20606), (232, 20618), (233, 20621), (264, 20696), (Start: 268 @20711 has 11 MA's), (288, 20747), (373, 20954), (430, 21068), (449, 21107), (495, 21194), (549, 21308), (556, 21332), (563, 21350), (597, 21431), (623, 21506), (628, 21524), (637, 21557), (639, 21563), (653, 21602), (680, 21656), (681, 21659), (689, 21680), (713, 21737), (760, 21905), (792, 22010), (794, 22016), (833, 22151),

Gene: MooMoo_16 Start: 14544, Stop: 16277, Start Num: 93

Candidate Starts for MooMoo_16:

(73, 14511), (Start: 75 @14514 has 25 MA's), (Start: 93 @14544 has 1 MA's), (161, 14646), (190, 14718), (199, 14742), (342, 15048), (374, 15126), (420, 15198), (427, 15213), (429, 15219), (430, 15222), (448, 15258), (456, 15276), (474, 15324), (480, 15336), (547, 15477), (571, 15537), (573, 15546), (584, 15570), (594, 15594), (595, 15597), (596, 15600), (606, 15633), (680, 15738), (727, 15861), (729, 15870), (742, 15921), (744, 15930), (760, 15990), (771, 16032), (774, 16044), (791, 16101), (792, 16104), (814, 16164),

Gene: Moonbeam_17 Start: 15298, Stop: 17007, Start Num: 87

Candidate Starts for Moonbeam_17:

(Start: 87 @15298 has 207 MA's), (150, 15385), (Start: 175 @15430 has 47 MA's), (182, 15454), (230, 15559), (233, 15565), (242, 15583), (257, 15613), (300, 15718), (323, 15778), (338, 15799), (342, 15808), (352, 15832), (420, 15958), (427, 15973), (429, 15979), (445, 16015), (448, 16018), (455,

16030), (456, 16036), (474, 16084), (480, 16096), (484, 16102), (515, 16162), (522, 16174), (538, 16210), (541, 16222), (571, 16297), (573, 16306), (581, 16324), (584, 16330), (596, 16360), (667, 16465), (671, 16474), (673, 16477), (687, 16513), (716, 16591), (744, 16690), (751, 16711), (759, 16744), (768, 16774), (776, 16804), (779, 16813), (781, 16819), (792, 16834), (793, 16837), (800, 16861), (813, 16891), (817, 16903), (822, 16933), (833, 16975),

Gene: Moose_26 Start: 21094, Stop: 22896, Start Num: 109

Candidate Starts for Moose_26:

(Start: 109 @21094 has 207 MA's), (Start: 124 @21115 has 4 MA's), (Start: 146 @21157 has 1 MA's), (171, 21202), (264, 21418), (283, 21463), (289, 21472), (301, 21511), (321, 21562), (322, 21565), (413, 21760), (449, 21829), (549, 22030), (551, 22033), (556, 22054), (596, 22150), (597, 22153), (599, 22159), (623, 22228), (628, 22246), (630, 22255), (639, 22285), (681, 22381), (693, 22414), (698, 22429), (713, 22459), (745, 22570), (760, 22627), (794, 22738),

Gene: Moosehead_17 Start: 14663, Stop: 16372, Start Num: 195

Candidate Starts for Moosehead_17:

(140, 14528), (149, 14543), (Start: 195 @14663 has 39 MA's), (213, 14705), (244, 14780), (269, 14852), (270, 14855), (301, 14930), (351, 15026), (359, 15053), (363, 15065), (405, 15143), (406, 15146), (427, 15191), (487, 15332), (516, 15413), (541, 15473), (543, 15479), (564, 15521), (592, 15602), (596, 15614), (604, 15638), (610, 15656), (614, 15671), (625, 15695), (655, 15791), (662, 15794), (742, 16025), (746, 16040), (785, 16175), (787, 16178), (797, 16226), (810, 16256), (820, 16292),

Gene: Mori_56 Start: 33516, Stop: 35252, Start Num: 74

Candidate Starts for Mori_56:

(Start: 69 @33507 has 2 MA's), (Start: 74 @33516 has 26 MA's), (134, 33606), (187, 33723), (203, 33759), (214, 33780), (230, 33807), (233, 33813), (249, 33843), (261, 33867), (281, 33918), (342, 34056), (344, 34062), (363, 34113), (365, 34116), (374, 34134), (420, 34185), (429, 34206), (430, 34209), (455, 34257), (456, 34263), (474, 34311), (477, 34317), (480, 34323), (504, 34383), (515, 34407), (517, 34410), (538, 34455), (542, 34470), (546, 34479), (549, 34488), (564, 34533), (573, 34551), (589, 34584), (673, 34722), (680, 34743), (706, 34809), (717, 34839), (734, 34893), (744, 34935), (751, 34956), (755, 34977), (759, 34989), (765, 35010), (781, 35064), (815, 35142), (822, 35178), (827, 35199), (834, 35226),

Gene: Morkie_18 Start: 15153, Stop: 16865, Start Num: 108

Candidate Starts for Morkie_18:

(Start: 108 @15153 has 545 MA's), (118, 15165), (141, 15207), (186, 15309), (224, 15381), (251, 15462), (Start: 268 @15513 has 11 MA's), (285, 15546), (299, 15588), (301, 15594), (318, 15642), (347, 15693), (359, 15729), (390, 15771), (397, 15792), (401, 15798), (407, 15822), (430, 15873), (431, 15876), (444, 15906), (605, 16218), (628, 16284), (636, 16314), (687, 16407), (694, 16428), (698, 16440), (701, 16446), (703, 16452), (707, 16458), (737, 16512), (745, 16542), (763, 16611), (792, 16698), (794, 16704), (802, 16728), (812, 16755),

Gene: Morpher26_27 Start: 19826, Stop: 21625, Start Num: 108

Candidate Starts for Morpher26_27:

(Start: 90 @19802 has 8 MA's), (Start: 108 @19826 has 545 MA's), (Start: 146 @19886 has 1 MA's), (179, 19955), (208, 20033), (227, 20057), (232, 20069), (233, 20072), (247, 20108), (264, 20147), (289, 20201), (322, 20294), (338, 20318), (373, 20405), (430, 20519), (449, 20558), (495, 20645), (522, 20690), (549, 20759), (556, 20783), (559, 20795), (597, 20882), (623, 20957), (628, 20975), (630, 20984), (637, 21008), (639, 21014), (645, 21029), (662, 21062), (680, 21107), (681, 21110), (689, 21131), (760, 21356), (784, 21434), (792, 21461), (794, 21467), (833, 21602),

Gene: Morrissey_19 Start: 16044, Stop: 17648, Start Num: 125

Candidate Starts for Morrissey_19:

(Start: 117 @16032 has 11 MA's), (Start: 125 @16044 has 11 MA's), (142, 16077), (173, 16131), (251, 16308), (319, 16482), (373, 16599), (430, 16638), (453, 16680), (480, 16752), (494, 16785), (522, 16839), (539, 16878), (546, 16899), (594, 17016), (610, 17058), (615, 17076), (622, 17088), (667, 17118), (700, 17202), (706, 17217), (711, 17226), (727, 17274), (794, 17484), (825, 17592),

Gene: Morrow_27 Start: 19830, Stop: 21608, Start Num: 108

Candidate Starts for Morrow_27:

(Start: 90 @19806 has 8 MA's), (Start: 108 @19830 has 545 MA's), (Start: 146 @19887 has 1 MA's), (Start: 175 @19941 has 47 MA's), (179, 19956), (184, 19974), (227, 20058), (232, 20070), (233, 20073), (264, 20148), (Start: 268 @20163 has 11 MA's), (289, 20202), (338, 20319), (373, 20406), (412, 20487), (435, 20535), (449, 20559), (495, 20646), (522, 20691), (551, 20763), (556, 20784), (563, 20802), (597, 20883), (628, 20976), (630, 20985), (637, 21009), (639, 21015), (647, 21039), (681, 21093), (689, 21114), (710, 21165), (719, 21189), (736, 21243), (760, 21339), (792, 21444), (795, 21459), (828, 21567), (833, 21585),

Gene: MortyNRick_19 Start: 16293, Stop: 18002, Start Num: 108

Candidate Starts for MortyNRick_19:

(Start: 108 @16293 has 545 MA's), (118, 16305), (Start: 120 @16308 has 4 MA's), (Start: 175 @16410 has 47 MA's), (185, 16446), (211, 16512), (Start: 268 @16656 has 11 MA's), (272, 16665), (281, 16683), (299, 16725), (301, 16731), (309, 16755), (318, 16779), (347, 16830), (350, 16836), (359, 16866), (390, 16908), (397, 16929), (401, 16935), (407, 16959), (430, 17010), (431, 17013), (444, 17043), (545, 17193), (556, 17229), (605, 17355), (628, 17421), (630, 17430), (633, 17442), (636, 17451), (687, 17544), (694, 17565), (698, 17577), (701, 17583), (703, 17589), (707, 17595), (737, 17649), (745, 17679), (763, 17748), (792, 17835), (794, 17841), (812, 17892), (833, 17979), (840, 17997),

Gene: Mosby_23 Start: 19337, Stop: 20932, Start Num: 147

Candidate Starts for Mosby_23:

(Start: 94 @19253 has 79 MA's), (Start: 147 @19337 has 45 MA's), (Start: 183 @19415 has 1 MA's), (227, 19502), (233, 19517), (257, 19565), (271, 19604), (306, 19691), (321, 19724), (342, 19760), (354, 19790), (356, 19796), (400, 19865), (424, 19895), (428, 19907), (429, 19910), (456, 19967), (517, 20099), (520, 20105), (547, 20171), (549, 20177), (556, 20201), (573, 20249), (584, 20273), (589, 20282), (616, 20357), (671, 20408), (678, 20423), (736, 20585), (742, 20612), (751, 20642), (780, 20747), (815, 20825), (822, 20861), (824, 20870), (833, 20903), (838, 20918),

Gene: Mova_17 Start: 14657, Stop: 16366, Start Num: 87

Candidate Starts for Mova_17:

(Start: 87 @14657 has 207 MA's), (150, 14744), (Start: 175 @14789 has 47 MA's), (182, 14813), (230, 14918), (233, 14924), (242, 14942), (257, 14972), (300, 15077), (323, 15137), (338, 15158), (342, 15167), (352, 15191), (396, 15266), (420, 15317), (427, 15332), (429, 15338), (445, 15374), (448, 15377), (455, 15389), (456, 15395), (474, 15443), (480, 15455), (484, 15461), (515, 15521), (522, 15533), (538, 15569), (541, 15581), (571, 15656), (573, 15665), (581, 15683), (584, 15689), (596, 15719), (667, 15824), (671, 15833), (673, 15836), (687, 15872), (716, 15950), (744, 16049), (751, 16070), (759, 16103), (768, 16133), (776, 16163), (779, 16172), (781, 16178), (792, 16193), (793, 16196), (800, 16220), (813, 16250), (817, 16262), (822, 16292), (833, 16334),

Gene: Mowgli_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Mowgli_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762),

(612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Mozy_17 Start: 14705, Stop: 16414, Start Num: 87

Candidate Starts for Mozy_17:

(Start: 87 @14705 has 207 MA's), (161, 14813), (Start: 175 @14837 has 47 MA's), (182, 14861), (187, 14882), (203, 14918), (213, 14936), (214, 14939), (233, 14972), (242, 14990), (257, 15020), (300, 15125), (323, 15185), (338, 15206), (342, 15215), (352, 15239), (368, 15281), (396, 15314), (410, 15347), (420, 15365), (427, 15380), (429, 15386), (445, 15422), (448, 15425), (455, 15437), (456, 15443), (466, 15473), (474, 15491), (480, 15503), (484, 15509), (515, 15569), (538, 15617), (541, 15629), (571, 15704), (573, 15713), (584, 15737), (596, 15767), (667, 15872), (673, 15884), (687, 15920), (701, 15959), (716, 15998), (751, 16118), (759, 16151), (768, 16181), (776, 16211), (778, 16217), (779, 16220), (781, 16226), (792, 16241), (793, 16244), (798, 16265), (800, 16268), (817, 16310), (822, 16340), (833, 16382),

Gene: MrGordo_27 Start: 20817, Stop: 22619, Start Num: 109

Candidate Starts for MrGordo_27:

(Start: 109 @20817 has 207 MA's), (Start: 124 @20838 has 4 MA's), (Start: 146 @20880 has 1 MA's), (171, 20925), (264, 21141), (283, 21186), (289, 21195), (301, 21234), (321, 21285), (322, 21288), (413, 21483), (449, 21552), (549, 21753), (551, 21756), (556, 21777), (596, 21873), (597, 21876), (599, 21882), (628, 21969), (639, 22008), (681, 22104), (693, 22137), (698, 22152), (745, 22293), (760, 22350), (794, 22461),

Gene: Mryolo_26 Start: 20854, Stop: 22656, Start Num: 109

Candidate Starts for Mryolo_26:

(Start: 109 @20854 has 207 MA's), (Start: 124 @20875 has 4 MA's), (Start: 146 @20917 has 1 MA's), (171, 20962), (264, 21178), (283, 21223), (289, 21232), (301, 21271), (321, 21322), (322, 21325), (413, 21520), (449, 21589), (549, 21790), (551, 21793), (556, 21814), (596, 21910), (597, 21913), (599, 21919), (623, 21988), (628, 22006), (630, 22015), (639, 22045), (681, 22141), (693, 22174), (698, 22189), (745, 22330), (760, 22387), (794, 22498),

Gene: Ms6_16 Start: 14816, Stop: 16525, Start Num: 87

Candidate Starts for Ms6_16:

(Start: 87 @14816 has 207 MA's), (150, 14903), (Start: 175 @14948 has 47 MA's), (182, 14972), (230, 15077), (233, 15083), (242, 15101), (257, 15131), (300, 15236), (323, 15296), (338, 15317), (342, 15326), (352, 15350), (420, 15476), (427, 15491), (429, 15497), (445, 15533), (448, 15536), (455, 15548), (456, 15554), (474, 15602), (480, 15614), (484, 15620), (515, 15680), (522, 15692), (538, 15728), (541, 15740), (571, 15815), (573, 15824), (581, 15842), (584, 15848), (596, 15878), (667, 15983), (671, 15992), (673, 15995), (687, 16031), (716, 16109), (744, 16208), (751, 16229), (759, 16262), (768, 16292), (776, 16322), (779, 16331), (781, 16337), (792, 16352), (793, 16355), (800, 16379), (813, 16409), (817, 16421), (822, 16451), (833, 16493),

Gene: MuchMore_31 Start: 20371, Stop: 22167, Start Num: 108

Candidate Starts for MuchMore_31:

(Start: 108 @20371 has 545 MA's), (Start: 146 @20428 has 1 MA's), (154, 20443), (173, 20476), (179, 20497), (Start: 183 @20512 has 1 MA's), (227, 20599), (232, 20611), (233, 20614), (264, 20689), (Start: 268 @20704 has 11 MA's), (288, 20740), (373, 20947), (430, 21061), (449, 21100), (495, 21187), (549, 21301), (556, 21325), (563, 21343), (597, 21424), (623, 21499), (628, 21517), (637, 21550), (639, 21556), (653, 21595), (680, 21649), (681, 21652), (689, 21673), (713, 21730), (760, 21898), (792, 22003), (794, 22009), (833, 22144),

Gene: Muddy_21 Start: 16213, Stop: 18063, Start Num: 59

Candidate Starts for Muddy_21:

(49, 16177), (Start: 59 @16213 has 4 MA's), (101, 16291), (139, 16351), (Start: 175 @16417 has 47 MA's), (190, 16468), (Start: 196 @16483 has 7 MA's), (Start: 197 @16486 has 1 MA's), (326, 16792), (354, 16849), (357, 16858), (373, 16897), (375, 16900), (392, 16963), (399, 16984), (426, 17047), (429, 17056), (434, 17071), (447, 17095), (520, 17206), (538, 17245), (545, 17266), (556, 17302), (557, 17305), (577, 17347), (583, 17362), (586, 17368), (721, 17677), (727, 17686), (728, 17692), (732, 17704), (742, 17734), (749, 17758), (791, 17878), (810, 17935), (832, 18022), (834, 18031),

Gene: Mufasa_19 Start: 15033, Stop: 16802, Start Num: 78

Candidate Starts for Mufasa_19:

(Start: 62 @14997 has 1 MA's), (Start: 75 @15027 has 25 MA's), (Start: 78 @15033 has 41 MA's), (Start: 97 @15048 has 44 MA's), (129, 15090), (154, 15138), (Start: 175 @15177 has 47 MA's), (179, 15192), (Start: 196 @15243 has 7 MA's), (210, 15273), (221, 15306), (227, 15318), (234, 15336), (266, 15408), (Start: 268 @15414 has 11 MA's), (306, 15510), (310, 15522), (357, 15618), (399, 15711), (405, 15729), (412, 15753), (418, 15759), (434, 15798), (447, 15822), (454, 15834), (515, 15924), (520, 15933), (542, 15987), (554, 16017), (596, 16128), (612, 16179), (647, 16287), (706, 16401), (718, 16410), (745, 16485), (759, 16536), (760, 16542), (795, 16638), (816, 16692), (834, 16773), (843, 16794),

Gene: Mulch_22 Start: 17344, Stop: 19050, Start Num: 126

Candidate Starts for Mulch_22:

(Start: 69 @17269 has 2 MA's), (Start: 126 @17344 has 16 MA's), (Start: 175 @17437 has 47 MA's), (179, 17452), (181, 17458), (Start: 209 @17533 has 1 MA's), (235, 17605), (286, 17716), (301, 17761), (306, 17779), (310, 17791), (395, 17962), (401, 17971), (403, 17977), (412, 18010), (442, 18073), (466, 18124), (500, 18148), (513, 18172), (546, 18247), (558, 18286), (610, 18418), (647, 18532), (693, 18619), (744, 18733), (747, 18742), (780, 18847), (814, 18934), (843, 19042),

Gene: MulchExplorer_19 Start: 15928, Stop: 17637, Start Num: 87

Candidate Starts for MulchExplorer_19:

(Start: 87 @15928 has 207 MA's), (150, 16015), (Start: 175 @16060 has 47 MA's), (182, 16084), (230, 16189), (233, 16195), (242, 16213), (257, 16243), (300, 16348), (302, 16354), (323, 16408), (329, 16417), (338, 16429), (342, 16438), (352, 16462), (402, 16549), (408, 16564), (420, 16588), (427, 16603), (429, 16609), (445, 16645), (448, 16648), (455, 16660), (456, 16666), (474, 16714), (480, 16726), (484, 16732), (515, 16792), (522, 16804), (538, 16840), (541, 16852), (549, 16873), (571, 16927), (573, 16936), (581, 16954), (584, 16960), (596, 16990), (667, 17095), (671, 17104), (673, 17107), (687, 17143), (713, 17209), (716, 17221), (744, 17320), (751, 17341), (759, 17374), (768, 17404), (776, 17434), (779, 17443), (781, 17449), (792, 17464), (793, 17467), (800, 17491), (813, 17521), (817, 17533), (822, 17563), (833, 17605),

Gene: MulchSalad_16 Start: 14726, Stop: 16435, Start Num: 87

Candidate Starts for MulchSalad_16:

(Start: 87 @14726 has 207 MA's), (150, 14813), (161, 14834), (Start: 175 @14858 has 47 MA's), (182, 14882), (230, 14987), (233, 14993), (242, 15011), (247, 15020), (257, 15041), (300, 15146), (320, 15200), (323, 15206), (338, 15227), (342, 15236), (352, 15260), (420, 15386), (427, 15401), (429, 15407), (436, 15428), (445, 15443), (448, 15446), (455, 15458), (456, 15464), (474, 15512), (480, 15524), (484, 15530), (515, 15590), (522, 15602), (538, 15638), (541, 15650), (571, 15725), (573, 15734), (581, 15752), (584, 15758), (596, 15788), (667, 15893), (671, 15902), (673, 15905), (687, 15941), (716, 16019), (744, 16118), (751, 16139), (759, 16172), (768, 16202), (776, 16232), (779, 16241), (781, 16247), (792, 16262), (793, 16265), (798, 16286), (800, 16289), (817, 16331), (833, 16403),

Gene: Mulciber_28 Start: 20749, Stop: 22548, Start Num: 108

Candidate Starts for Mulciber_28:

(65, 20683), (Start: 90 @20725 has 8 MA's), (Start: 108 @20749 has 545 MA's), (141, 20791), (184, 20887), (189, 20902), (232, 20983), (233, 20986), (264, 21061), (Start: 268 @21076 has 11 MA's), (289, 21115), (292, 21121), (306, 21172), (338, 21232), (341, 21238), (373, 21319), (413, 21403), (472, 21529), (485, 21547), (507, 21574), (563, 21715), (592, 21781), (596, 21793), (597, 21796), (662, 21985), (674, 22012), (678, 22021), (683, 22042), (685, 22045), (693, 22066), (698, 22081), (710, 22105), (735, 22180), (738, 22195), (760, 22279), (792, 22384), (794, 22390), (813, 22444), (840, 22543),

Gene: Mule_27 Start: 21163, Stop: 22965, Start Num: 109

Candidate Starts for Mule_27:

(Start: 109 @21163 has 207 MA's), (Start: 124 @21184 has 4 MA's), (Start: 146 @21226 has 1 MA's), (171, 21271), (264, 21487), (283, 21532), (289, 21541), (301, 21580), (321, 21631), (322, 21634), (413, 21829), (449, 21898), (549, 22099), (551, 22102), (556, 22123), (596, 22219), (597, 22222), (599, 22228), (623, 22297), (628, 22315), (630, 22324), (639, 22354), (681, 22450), (693, 22483), (698, 22498), (745, 22639), (760, 22696), (794, 22807),

Gene: Munch_28 Start: 20755, Stop: 22554, Start Num: 108

Candidate Starts for Munch_28:

(65, 20689), (Start: 90 @20731 has 8 MA's), (Start: 108 @20755 has 545 MA's), (141, 20797), (184, 20893), (189, 20908), (232, 20989), (233, 20992), (264, 21067), (Start: 268 @21082 has 11 MA's), (289, 21121), (292, 21127), (306, 21178), (338, 21238), (341, 21244), (373, 21325), (413, 21409), (472, 21535), (485, 21553), (507, 21580), (563, 21721), (592, 21787), (596, 21799), (597, 21802), (662, 21991), (674, 22018), (678, 22027), (683, 22048), (685, 22051), (693, 22072), (698, 22087), (710, 22111), (735, 22186), (738, 22201), (760, 22285), (792, 22390), (794, 22396), (813, 22450), (840, 22549),

Gene: Mundrea_27 Start: 19791, Stop: 21590, Start Num: 108

Candidate Starts for Mundrea_27:

(Start: 90 @19767 has 8 MA's), (Start: 108 @19791 has 545 MA's), (Start: 112 @19797 has 3 MA's), (Start: 146 @19851 has 1 MA's), (179, 19920), (208, 19998), (227, 20022), (233, 20037), (264, 20112), (Start: 268 @20127 has 11 MA's), (289, 20166), (322, 20259), (338, 20283), (373, 20370), (430, 20484), (449, 20523), (495, 20610), (522, 20655), (549, 20724), (556, 20748), (559, 20760), (597, 20847), (623, 20922), (628, 20940), (630, 20949), (637, 20973), (639, 20979), (645, 20994), (662, 21027), (680, 21072), (681, 21075), (689, 21096), (760, 21321), (792, 21426), (794, 21432), (824, 21534), (833, 21567),

Gene: Murai_57 Start: 33688, Stop: 35433, Start Num: 69

Candidate Starts for Murai_57:

(Start: 69 @33688 has 2 MA's), (Start: 74 @33697 has 26 MA's), (134, 33787), (187, 33904), (203, 33940), (214, 33961), (230, 33988), (233, 33994), (249, 34024), (261, 34048), (281, 34099), (342, 34237), (344, 34243), (363, 34294), (365, 34297), (374, 34315), (420, 34366), (429, 34387), (430, 34390), (455, 34438), (456, 34444), (474, 34492), (477, 34498), (480, 34504), (504, 34564), (515, 34588), (517, 34591), (538, 34636), (542, 34651), (546, 34660), (549, 34669), (564, 34714), (573, 34732), (589, 34765), (673, 34903), (680, 34924), (706, 34990), (717, 35020), (734, 35074), (744, 35116), (751, 35137), (755, 35158), (759, 35170), (765, 35191), (781, 35245), (815, 35323), (822, 35359), (827, 35380), (834, 35407),

Gene: Murica_23 Start: 19814, Stop: 21409, Start Num: 147

Candidate Starts for Murica_23:

(Start: 94 @19730 has 79 MA's), (Start: 147 @19814 has 45 MA's), (Start: 183 @19892 has 1 MA's), (227, 19979), (233, 19994), (257, 20042), (271, 20081), (306, 20168), (321, 20201), (342, 20237), (354, 20267), (356, 20273), (400, 20342), (424, 20372), (428, 20384), (429, 20387), (456, 20444), (517, 20576), (520, 20582), (547, 20648), (549, 20654), (556, 20678), (573, 20726), (584, 20750),

(589, 20759), (616, 20834), (671, 20885), (678, 20900), (736, 21062), (742, 21089), (751, 21119), (780, 21224), (815, 21302), (822, 21338), (824, 21347), (833, 21380), (838, 21395),

Gene: Murp_19 Start: 16718, Stop: 18364, Start Num: 175

Candidate Starts for Murp_19:

(156, 16682), (Start: 175 @16718 has 47 MA's), (213, 16820), (253, 16898), (294, 16997), (304, 17036), (345, 17117), (364, 17171), (370, 17186), (401, 17219), (415, 17267), (416, 17270), (456, 17357), (466, 17387), (549, 17570), (556, 17594), (584, 17678), (604, 17738), (608, 17750), (661, 17810), (713, 17945), (742, 18044), (747, 18062), (760, 18113), (778, 18173), (780, 18179), (808, 18242), (813, 18254),

Gene: Murphy_25 Start: 19809, Stop: 21404, Start Num: 147

Candidate Starts for Murphy_25:

(Start: 94 @19725 has 79 MA's), (Start: 147 @19809 has 45 MA's), (Start: 183 @19887 has 1 MA's), (227, 19974), (233, 19989), (257, 20037), (271, 20076), (306, 20163), (321, 20196), (342, 20232), (354, 20262), (356, 20268), (400, 20337), (424, 20367), (428, 20379), (429, 20382), (456, 20439), (517, 20571), (520, 20577), (547, 20643), (549, 20649), (556, 20673), (573, 20721), (584, 20745), (589, 20754), (616, 20829), (671, 20880), (678, 20895), (736, 21057), (742, 21084), (751, 21114), (780, 21219), (815, 21297), (822, 21333), (824, 21342), (833, 21375), (838, 21390),

Gene: Murucutumbu_23 Start: 17106, Stop: 18872, Start Num: 79

Candidate Starts for Murucutumbu_23:

(Start: 79 @17106 has 139 MA's), (101, 17136), (184, 17295), (Start: 196 @17328 has 7 MA's), (210, 17358), (221, 17391), (227, 17403), (266, 17493), (283, 17529), (288, 17535), (310, 17607), (315, 17616), (338, 17655), (356, 17700), (363, 17721), (365, 17724), (399, 17796), (412, 17838), (418, 17844), (430, 17871), (447, 17907), (515, 18009), (525, 18027), (548, 18087), (558, 18117), (573, 18144), (612, 18249), (641, 18339), (681, 18408), (694, 18444), (706, 18474), (745, 18558), (759, 18609), (795, 18708), (815, 18759), (834, 18843), (835, 18846), (843, 18864),

Gene: Museum_29 Start: 21173, Stop: 22975, Start Num: 109

Candidate Starts for Museum_29:

(Start: 109 @21173 has 207 MA's), (Start: 124 @21194 has 4 MA's), (Start: 146 @21236 has 1 MA's), (171, 21281), (264, 21497), (283, 21542), (289, 21551), (301, 21590), (321, 21641), (322, 21644), (365, 21737), (413, 21839), (449, 21908), (549, 22109), (551, 22112), (556, 22133), (596, 22229), (597, 22232), (599, 22238), (623, 22307), (628, 22325), (630, 22334), (639, 22364), (681, 22460), (693, 22493), (698, 22508), (745, 22649), (760, 22706), (794, 22817),

Gene: Mutaforma13_16 Start: 14853, Stop: 16562, Start Num: 87

Candidate Starts for Mutaforma13_16:

(Start: 87 @14853 has 207 MA's), (150, 14940), (Start: 175 @14985 has 47 MA's), (182, 15009), (230, 15114), (233, 15120), (242, 15138), (257, 15168), (300, 15273), (323, 15333), (338, 15354), (342, 15363), (351, 15381), (352, 15387), (396, 15462), (398, 15465), (420, 15513), (427, 15528), (429, 15534), (445, 15570), (448, 15573), (455, 15585), (456, 15591), (474, 15639), (480, 15651), (484, 15657), (515, 15717), (522, 15729), (538, 15765), (541, 15777), (571, 15852), (573, 15861), (581, 15879), (584, 15885), (596, 15915), (667, 16020), (671, 16029), (673, 16032), (687, 16068), (716, 16146), (744, 16245), (751, 16266), (759, 16299), (768, 16329), (776, 16359), (779, 16368), (781, 16374), (792, 16389), (793, 16392), (800, 16416), (813, 16446), (817, 16458), (822, 16488), (833, 16530),

Gene: Mynx_23 Start: 17171, Stop: 18937, Start Num: 79

Candidate Starts for Mynx_23:

(Start: 79 @17171 has 139 MA's), (101, 17201), (184, 17360), (Start: 196 @17393 has 7 MA's), (210, 17423), (221, 17456), (227, 17468), (266, 17558), (288, 17600), (310, 17672), (315, 17681), (338,

17720), (356, 17765), (363, 17786), (365, 17789), (393, 17843), (399, 17861), (412, 17903), (418, 17909), (430, 17936), (468, 18023), (515, 18074), (525, 18092), (541, 18134), (548, 18152), (558, 18182), (573, 18209), (612, 18314), (681, 18473), (694, 18509), (706, 18539), (718, 18548), (745, 18623), (759, 18674), (824, 18869), (834, 18908), (835, 18911), (843, 18929),

Gene: MyraDee_25 Start: 18055, Stop: 19854, Start Num: 109

Candidate Starts for MyraDee_25:

(Start: 90 @18028 has 8 MA's), (Start: 109 @18055 has 207 MA's), (155, 18136), (Start: 175 @18172 has 47 MA's), (184, 18205), (232, 18301), (233, 18304), (247, 18340), (264, 18379), (Start: 268 @18394 has 11 MA's), (321, 18523), (338, 18550), (352, 18583), (373, 18637), (430, 18751), (435, 18766), (480, 18853), (481, 18856), (522, 18919), (549, 18988), (563, 19030), (597, 19111), (623, 19186), (628, 19204), (637, 19237), (639, 19243), (645, 19258), (653, 19282), (681, 19339), (683, 19348), (693, 19372), (698, 19387), (745, 19528), (792, 19690), (794, 19696), (795, 19705), (835, 19840),

Gene: Myrale_24 Start: 19616, Stop: 21295, Start Num: 94

Candidate Starts for Myrale_24:

(Start: 94 @19616 has 79 MA's), (Start: 147 @19700 has 45 MA's), (Start: 183 @19778 has 1 MA's), (227, 19865), (233, 19880), (257, 19928), (271, 19967), (306, 20054), (321, 20087), (342, 20123), (354, 20153), (356, 20159), (400, 20228), (424, 20258), (428, 20270), (429, 20273), (456, 20330), (517, 20462), (520, 20468), (547, 20534), (549, 20540), (556, 20564), (573, 20612), (584, 20636), (589, 20645), (616, 20720), (671, 20771), (678, 20786), (736, 20948), (742, 20975), (751, 21005), (780, 21110), (815, 21188), (822, 21224), (824, 21233), (833, 21266), (838, 21281),

Gene: Myxus_30 Start: 21746, Stop: 23539, Start Num: 105

Candidate Starts for Myxus_30:

(Start: 105 @21746 has 8 MA's), (Start: 108 @21749 has 545 MA's), (232, 21983), (233, 21986), (262, 22058), (264, 22061), (Start: 268 @22076 has 11 MA's), (289, 22115), (292, 22121), (338, 22232), (373, 22319), (412, 22400), (413, 22403), (513, 22589), (540, 22652), (551, 22676), (553, 22682), (563, 22715), (597, 22796), (637, 22922), (651, 22964), (653, 22967), (681, 23024), (693, 23057), (698, 23072), (735, 23171), (736, 23174), (738, 23186), (760, 23270), (780, 23336), (792, 23375), (794, 23381), (809, 23426), (824, 23483), (825, 23486),

Gene: NEHalo_27 Start: 20911, Stop: 22713, Start Num: 109

Candidate Starts for NEHalo_27:

(Start: 109 @20911 has 207 MA's), (Start: 124 @20932 has 4 MA's), (Start: 146 @20974 has 1 MA's), (171, 21019), (264, 21235), (283, 21280), (289, 21289), (321, 21379), (322, 21382), (365, 21475), (413, 21577), (449, 21646), (549, 21847), (551, 21850), (556, 21871), (596, 21967), (597, 21970), (599, 21976), (623, 22045), (628, 22063), (630, 22072), (639, 22102), (681, 22198), (693, 22231), (698, 22246), (745, 22387), (760, 22444), (794, 22555),

Gene: NaSiaTalie_28 Start: 20211, Stop: 21983, Start Num: 108

Candidate Starts for NaSiaTalie_28:

(Start: 90 @20187 has 8 MA's), (Start: 108 @20211 has 545 MA's), (Start: 183 @20346 has 1 MA's), (189, 20364), (232, 20445), (233, 20448), (262, 20520), (264, 20523), (289, 20577), (292, 20583), (310, 20646), (338, 20694), (352, 20727), (373, 20781), (412, 20862), (413, 20865), (430, 20895), (513, 21051), (551, 21138), (597, 21258), (636, 21381), (637, 21384), (639, 21390), (669, 21438), (693, 21501), (698, 21516), (701, 21522), (724, 21576), (735, 21615), (738, 21630), (747, 21663), (759, 21708), (792, 21819), (794, 21825), (813, 21879),

Gene: Naca_24 Start: 19512, Stop: 21311, Start Num: 108

Candidate Starts for Naca_24:

(Start: 108 @19512 has 545 MA's), (233, 19749), (264, 19824), (Start: 268 @19839 has 11 MA's), (288, 19875), (310, 19947), (318, 19962), (338, 19995), (341, 20001), (430, 20196), (441, 20226), (446, 20232), (495, 20322), (522, 20367), (549, 20436), (563, 20478), (569, 20496), (596, 20556), (597, 20559), (628, 20652), (680, 20793), (693, 20829), (791, 21144), (794, 21153), (833, 21288),

Gene: Nadeem_22 Start: 17344, Stop: 19050, Start Num: 126

Candidate Starts for Nadeem_22:

(Start: 69 @17269 has 2 MA's), (Start: 126 @17344 has 16 MA's), (Start: 175 @17437 has 47 MA's), (179, 17452), (181, 17458), (Start: 209 @17533 has 1 MA's), (235, 17605), (286, 17716), (301, 17761), (306, 17779), (310, 17791), (395, 17962), (401, 17971), (403, 17977), (412, 18010), (442, 18073), (466, 18124), (500, 18148), (513, 18172), (546, 18247), (558, 18286), (610, 18418), (647, 18532), (693, 18619), (744, 18733), (747, 18742), (780, 18847), (814, 18934), (843, 19042),

Gene: NadineRae_41 Start: 27143, Stop: 28759, Start Num: 194

Candidate Starts for NadineRae_41:

(Start: 194 @27143 has 87 MA's), (Start: 198 @27155 has 1 MA's), (Start: 209 @27179 has 1 MA's), (243, 27257), (319, 27440), (351, 27497), (353, 27509), (359, 27524), (401, 27590), (405, 27605), (419, 27629), (457, 27716), (460, 27722), (469, 27746), (499, 27806), (510, 27836), (521, 27857), (565, 27962), (570, 27983), (604, 28070), (622, 28118), (669, 28244), (683, 28280), (744, 28445), (750, 28463), (759, 28499), (820, 28673), (822, 28685), (838, 28742),

Gene: Naiad_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for Naiad_23:

(Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (208, 16526), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (389, 16904), (392, 16910), (395, 16925), (397, 16928), (413, 16976), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: Naira_28 Start: 22770, Stop: 24572, Start Num: 109

Candidate Starts for Naira_28:

(Start: 109 @22770 has 207 MA's), (Start: 124 @22791 has 4 MA's), (Start: 146 @22833 has 1 MA's), (171, 22878), (264, 23094), (283, 23139), (289, 23148), (301, 23187), (321, 23238), (322, 23241), (413, 23436), (449, 23505), (477, 23565), (549, 23706), (551, 23709), (556, 23730), (596, 23826), (597, 23829), (599, 23835), (623, 23904), (628, 23922), (630, 23931), (639, 23961), (681, 24057), (693, 24090), (698, 24105), (745, 24246), (760, 24303), (794, 24414),

Gene: Naji_31 Start: 20049, Stop: 21839, Start Num: 108

Candidate Starts for Naji_31:

(65, 19983), (Start: 90 @20025 has 8 MA's), (Start: 108 @20049 has 545 MA's), (232, 20283), (233, 20286), (262, 20358), (264, 20361), (Start: 268 @20376 has 11 MA's), (289, 20415), (292, 20421), (338, 20532), (347, 20550), (373, 20619), (412, 20700), (413, 20703), (495, 20859), (513, 20889), (597, 21096), (637, 21222), (654, 21273), (681, 21324), (693, 21357), (698, 21372), (710, 21396), (735, 21471), (736, 21474), (738, 21486), (760, 21570), (784, 21648), (792, 21675), (794, 21681), (809, 21726), (813, 21735), (833, 21816),

Gene: Nala_24 Start: 19856, Stop: 21451, Start Num: 147

Candidate Starts for Nala_24:

(Start: 94 @19772 has 79 MA's), (Start: 147 @19856 has 45 MA's), (Start: 183 @19934 has 1 MA's), (227, 20021), (233, 20036), (257, 20084), (271, 20123), (306, 20210), (321, 20243), (342, 20279), (354, 20309), (356, 20315), (400, 20384), (424, 20414), (428, 20426), (429, 20429), (456, 20486), (517, 20618), (520, 20624), (547, 20690), (549, 20696), (556, 20720), (573, 20768), (584, 20792), (589, 20801), (616, 20876), (671, 20927), (678, 20942), (736, 21104), (742, 21131), (751, 21161),

(780, 21266), (815, 21344), (822, 21380), (824, 21389), (833, 21422), (838, 21437),

Gene: Nancinator_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for Nancinator_23:

(Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (208, 16526), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (389, 16904), (392, 16910), (395, 16925), (397, 16928), (413, 16976), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: NancyRae_22 Start: 17350, Stop: 19056, Start Num: 126

Candidate Starts for NancyRae_22:

(Start: 69 @17275 has 2 MA's), (Start: 126 @17350 has 16 MA's), (Start: 175 @17443 has 47 MA's), (179, 17458), (181, 17464), (Start: 209 @17539 has 1 MA's), (235, 17611), (286, 17722), (301, 17767), (306, 17785), (310, 17797), (395, 17968), (401, 17977), (403, 17983), (412, 18016), (442, 18079), (466, 18130), (500, 18154), (513, 18178), (546, 18253), (555, 18277), (558, 18292), (610, 18424), (647, 18538), (693, 18625), (744, 18739), (747, 18748), (780, 18853), (814, 18940), (843, 19048),

Gene: NatB6_41 Start: 29876, Stop: 31489, Start Num: 194

Candidate Starts for NatB6_41:

(Start: 194 @29876 has 87 MA's), (Start: 209 @29912 has 1 MA's), (216, 29930), (243, 29990), (351, 30230), (353, 30242), (359, 30257), (401, 30323), (405, 30338), (419, 30362), (421, 30365), (457, 30449), (469, 30479), (470, 30482), (499, 30539), (519, 30587), (521, 30590), (532, 30611), (570, 30716), (592, 30761), (604, 30803), (669, 30977), (681, 31007), (683, 31013), (729, 31121), (730, 31124), (751, 31199), (822, 31418), (838, 31475),

Gene: Natkenzie_35 Start: 30775, Stop: 32376, Start Num: 136

Candidate Starts for Natkenzie_35:

(Start: 123 @30754 has 17 MA's), (136, 30775), (144, 30787), (173, 30838), (Start: 195 @30901 has 39 MA's), (232, 30973), (266, 31060), (292, 31111), (300, 31141), (338, 31222), (351, 31249), (430, 31348), (443, 31378), (451, 31387), (462, 31420), (463, 31423), (465, 31426), (468, 31435), (490, 31483), (515, 31531), (520, 31540), (558, 31639), (575, 31678), (581, 31690), (623, 31807), (673, 31846), (688, 31885), (711, 31942), (725, 31981), (727, 31990), (740, 32047), (743, 32059), (759, 32116), (760, 32122), (766, 32143), (776, 32176), (795, 32221), (833, 32350), (835, 32359),

Gene: Natosaleda_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for Natosaleda_23:

(Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (208, 16526), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (389, 16904), (392, 16910), (395, 16925), (397, 16928), (413, 16976), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: Nazo_18 Start: 16129, Stop: 17865, Start Num: 82

Candidate Starts for Nazo_18:

(Start: 82 @16129 has 44 MA's), (138, 16213), (193, 16327), (Start: 195 @16333 has 39 MA's), (203, 16354), (213, 16372), (232, 16405), (244, 16429), (306, 16588), (309, 16594), (360, 16708), (400, 16765), (417, 16804), (420, 16810), (430, 16834), (456, 16888), (461, 16900), (463, 16909), (490, 16969), (509, 17014), (526, 17047), (541, 17086), (554, 17119), (556, 17131), (573, 17185), (594, 17233), (605, 17263), (610, 17275), (682, 17377), (689, 17389), (691, 17392), (692, 17398), (695, 17407), (734, 17515), (755, 17599), (787, 17698), (813, 17755), (838, 17854),

Gene: NearlyHeadless_24 Start: 18670, Stop: 20460, Start Num: 108

Candidate Starts for NearlyHeadless_24:

(Start: 90 @18646 has 8 MA's), (Start: 108 @18670 has 545 MA's), (170, 18763), (184, 18808), (233, 18907), (247, 18943), (264, 18982), (Start: 268 @18997 has 11 MA's), (288, 19033), (338, 19153), (341, 19159), (399, 19279), (456, 19408), (495, 19480), (549, 19594), (628, 19810), (637, 19843), (681, 19945), (693, 19978), (698, 19993), (713, 20023), (791, 20293), (794, 20302), (795, 20311), (830, 20425),

Gene: Nebkiss_17 Start: 15060, Stop: 16949, Start Num: 68

Candidate Starts for Nebkiss_17:

(Start: 68 @15060 has 2 MA's), (72, 15069), (Start: 82 @15090 has 44 MA's), (135, 15159), (145, 15177), (154, 15195), (179, 15249), (190, 15285), (Start: 196 @15300 has 7 MA's), (Start: 197 @15303 has 1 MA's), (221, 15363), (264, 15456), (283, 15501), (288, 15507), (291, 15513), (297, 15534), (300, 15546), (318, 15594), (341, 15633), (342, 15636), (343, 15639), (357, 15675), (363, 15693), (376, 15720), (382, 15729), (399, 15768), (405, 15786), (427, 15834), (444, 15876), (468, 15930), (471, 15936), (473, 15942), (489, 15972), (501, 16011), (503, 16020), (513, 16044), (517, 16050), (554, 16140), (557, 16155), (583, 16221), (597, 16251), (612, 16299), (622, 16323), (623, 16326), (630, 16353), (649, 16413), (663, 16434), (672, 16455), (691, 16503), (694, 16515), (721, 16560), (742, 16620), (771, 16716), (772, 16722), (780, 16746), (784, 16758), (791, 16767), (795, 16785), (815, 16836), (825, 16884), (827, 16893), (830, 16902), (832, 16911), (833, 16914), (843, 16941),

Gene: Nebs_27 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for Nebs_27:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (736, 21237), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: Nebulosus_30 Start: 19093, Stop: 20880, Start Num: 108

Candidate Starts for Nebulosus_30:

(65, 19027), (Start: 90 @19069 has 8 MA's), (Start: 108 @19093 has 545 MA's), (184, 19231), (207, 19288), (233, 19330), (247, 19366), (264, 19405), (295, 19474), (301, 19498), (322, 19552), (399, 19702), (413, 19747), (430, 19777), (446, 19813), (468, 19864), (493, 19900), (522, 19948), (546, 20008), (596, 20137), (623, 20215), (698, 20416), (701, 20422), (736, 20518), (782, 20683), (815, 20782),

Gene: Necropolis_19 Start: 16385, Stop: 18121, Start Num: 82

Candidate Starts for Necropolis_19:

(Start: 71 @16361 has 2 MA's), (Start: 82 @16385 has 44 MA's), (128, 16445), (136, 16466), (138, 16469), (Start: 195 @16589 has 39 MA's), (213, 16628), (232, 16661), (244, 16685), (296, 16805), (306, 16844), (309, 16850), (351, 16934), (352, 16940), (356, 16952), (365, 16976), (379, 17003), (400, 17021), (417, 17060), (420, 17066), (430, 17090), (456, 17144), (461, 17156), (463, 17165), (490, 17225), (526, 17303), (541, 17342), (554, 17375), (573, 17441), (578, 17456), (584, 17465), (594, 17489), (605, 17519), (610, 17531), (682, 17633), (689, 17645), (691, 17648), (692, 17654), (695, 17663), (734, 17771), (755, 17855), (787, 17954), (824, 18062), (838, 18110),

Gene: Nedarya_29 Start: 19739, Stop: 21496, Start Num: 108

Candidate Starts for Nedarya_29:

(65, 19673), (Start: 90 @19715 has 8 MA's), (Start: 99 @19727 has 4 MA's), (Start: 108 @19739 has 545 MA's), (155, 19808), (207, 19934), (233, 19976), (247, 20012), (264, 20051), (Start: 268 @20066

has 11 MA's), (295, 20120), (301, 20144), (307, 20165), (347, 20240), (413, 20393), (430, 20423), (435, 20438), (446, 20459), (522, 20564), (546, 20624), (596, 20753), (695, 21023), (725, 21095), (760, 21227), (780, 21293), (782, 21299), (784, 21305), (792, 21332), (824, 21440),

Gene: Neeharika16_31 Start: 19969, Stop: 21741, Start Num: 108

Candidate Starts for Neeharika16_31:

(65, 19903), (Start: 90 @19945 has 8 MA's), (Start: 108 @19969 has 545 MA's), (208, 20167), (233, 20206), (262, 20278), (264, 20281), (269, 20299), (289, 20335), (292, 20341), (338, 20452), (341, 20458), (356, 20497), (373, 20539), (399, 20578), (412, 20620), (413, 20623), (441, 20683), (557, 20920), (563, 20935), (597, 21016), (639, 21148), (698, 21274), (720, 21325), (724, 21334), (735, 21373), (736, 21376), (738, 21388), (760, 21472), (792, 21577), (794, 21583), (833, 21718),

Gene: NelitzaMV_24 Start: 19899, Stop: 21494, Start Num: 147

Candidate Starts for NelitzaMV_24:

(Start: 94 @19815 has 79 MA's), (Start: 147 @19899 has 45 MA's), (Start: 183 @19977 has 1 MA's), (227, 20064), (233, 20079), (257, 20127), (271, 20166), (306, 20253), (321, 20286), (342, 20322), (354, 20352), (356, 20358), (400, 20427), (424, 20457), (428, 20469), (429, 20472), (456, 20529), (517, 20661), (520, 20667), (547, 20733), (549, 20739), (556, 20763), (573, 20811), (584, 20835), (589, 20844), (616, 20919), (671, 20970), (678, 20985), (736, 21147), (742, 21174), (751, 21204), (780, 21309), (815, 21387), (822, 21423), (824, 21432), (833, 21465), (838, 21480),

Gene: Nemo27_27 Start: 19826, Stop: 21604, Start Num: 108

Candidate Starts for Nemo27_27:

(Start: 90 @19802 has 8 MA's), (Start: 108 @19826 has 545 MA's), (Start: 146 @19883 has 1 MA's), (Start: 175 @19937 has 47 MA's), (179, 19952), (184, 19970), (227, 20054), (232, 20066), (233, 20069), (264, 20144), (Start: 268 @20159 has 11 MA's), (289, 20198), (338, 20315), (373, 20402), (412, 20483), (435, 20531), (449, 20555), (495, 20642), (522, 20687), (551, 20759), (556, 20780), (563, 20798), (597, 20879), (628, 20972), (630, 20981), (637, 21005), (639, 21011), (647, 21035), (681, 21089), (689, 21110), (710, 21161), (719, 21185), (736, 21239), (760, 21335), (792, 21440), (795, 21455), (828, 21563), (833, 21581),

Gene: Nенаe_18 Start: 14993, Stop: 16702, Start Num: 91

Candidate Starts for Nенаe_18:

(Start: 91 @14993 has 42 MA's), (115, 15020), (136, 15059), (Start: 175 @15125 has 47 MA's), (178, 15137), (190, 15173), (199, 15197), (213, 15224), (227, 15245), (230, 15254), (233, 15260), (251, 15293), (320, 15467), (323, 15473), (329, 15482), (337, 15491), (342, 15503), (352, 15527), (368, 15569), (396, 15602), (420, 15653), (422, 15656), (427, 15668), (445, 15710), (455, 15725), (456, 15731), (474, 15779), (497, 15833), (515, 15857), (546, 15929), (564, 15983), (571, 15992), (573, 16001), (584, 16025), (595, 16052), (596, 16055), (667, 16160), (671, 16169), (687, 16208), (717, 16289), (735, 16346), (744, 16385), (776, 16499), (792, 16529), (793, 16532), (800, 16556), (815, 16592),

Gene: Neobush_19 Start: 17773, Stop: 19371, Start Num: 194

Candidate Starts for Neobush_19:

(Start: 194 @17773 has 87 MA's), (307, 18022), (310, 18031), (319, 18049), (321, 18052), (351, 18106), (381, 18181), (413, 18250), (423, 18259), (427, 18271), (451, 18322), (459, 18349), (462, 18358), (463, 18361), (516, 18391), (518, 18394), (541, 18451), (564, 18517), (591, 18595), (602, 18628), (610, 18652), (623, 18688), (655, 18790), (682, 18847), (698, 18892), (701, 18898), (716, 18937), (787, 19177), (810, 19255),

Gene: Nergal_22 Start: 17111, Stop: 18910, Start Num: 60

Candidate Starts for Nergal_22:

(Start: 60 @17111 has 2 MA's), (63, 17126), (88, 17168), (Start: 90 @17171 has 8 MA's), (154, 17258), (173, 17291), (234, 17453), (276, 17552), (305, 17624), (318, 17654), (341, 17693), (356, 17732), (365, 17756), (432, 17903), (452, 17939), (480, 17993), (513, 18041), (541, 18104), (623, 18314), (632, 18350), (698, 18491), (718, 18518), (747, 18599), (769, 18671), (781, 18707), (791, 18725), (823, 18833), (831, 18863), (834, 18878),

Gene: Nerujay_28 Start: 21579, Stop: 23381, Start Num: 109

Candidate Starts for Nerujay_28:

(Start: 109 @21579 has 207 MA's), (Start: 124 @21600 has 4 MA's), (Start: 146 @21642 has 1 MA's), (171, 21687), (264, 21903), (283, 21948), (289, 21957), (301, 21996), (321, 22047), (322, 22050), (413, 22245), (449, 22314), (549, 22515), (551, 22518), (556, 22539), (596, 22635), (597, 22638), (599, 22644), (623, 22713), (628, 22731), (630, 22740), (639, 22770), (681, 22866), (693, 22899), (698, 22914), (745, 23055), (760, 23112), (794, 23223),

Gene: Nettuno_17 Start: 14697, Stop: 16406, Start Num: 195

Candidate Starts for Nettuno_17:

(Start: 195 @14697 has 39 MA's), (244, 14814), (269, 14886), (301, 14964), (359, 15087), (368, 15108), (405, 15177), (406, 15180), (431, 15237), (462, 15312), (487, 15366), (516, 15447), (541, 15507), (543, 15513), (604, 15672), (610, 15690), (614, 15705), (625, 15729), (647, 15801), (648, 15804), (655, 15825), (742, 16059), (746, 16074), (757, 16116), (785, 16209), (787, 16212), (797, 16260), (810, 16290), (824, 16347),

Gene: Newrala_31 Start: 19969, Stop: 21741, Start Num: 108

Candidate Starts for Newrala_31:

(65, 19903), (Start: 90 @19945 has 8 MA's), (Start: 108 @19969 has 545 MA's), (208, 20167), (233, 20206), (262, 20278), (264, 20281), (269, 20299), (289, 20335), (292, 20341), (338, 20452), (341, 20458), (356, 20497), (373, 20539), (399, 20578), (412, 20620), (413, 20623), (441, 20683), (557, 20920), (563, 20935), (597, 21016), (639, 21148), (698, 21274), (720, 21325), (724, 21334), (735, 21373), (736, 21376), (738, 21388), (760, 21472), (792, 21577), (794, 21583), (833, 21718),

Gene: Nhonho_27 Start: 21330, Stop: 23132, Start Num: 109

Candidate Starts for Nhonho_27:

(Start: 109 @21330 has 207 MA's), (Start: 124 @21351 has 4 MA's), (Start: 146 @21393 has 1 MA's), (171, 21438), (264, 21654), (283, 21699), (289, 21708), (301, 21747), (321, 21798), (322, 21801), (365, 21894), (413, 21996), (449, 22065), (549, 22266), (551, 22269), (556, 22290), (596, 22386), (597, 22389), (599, 22395), (623, 22464), (628, 22482), (630, 22491), (639, 22521), (681, 22617), (693, 22650), (698, 22665), (745, 22806), (760, 22863), (794, 22974), (840, 23127),

Gene: Nibb_22 Start: 16431, Stop: 18197, Start Num: 79

Candidate Starts for Nibb_22:

(Start: 62 @16392 has 1 MA's), (Start: 75 @16422 has 25 MA's), (Start: 79 @16431 has 139 MA's), (101, 16461), (Start: 175 @16587 has 47 MA's), (179, 16602), (Start: 196 @16653 has 7 MA's), (221, 16716), (266, 16818), (Start: 268 @16824 has 11 MA's), (283, 16854), (310, 16932), (315, 16941), (338, 16980), (357, 17028), (363, 17046), (383, 17085), (384, 17088), (393, 17103), (399, 17121), (405, 17139), (412, 17163), (418, 17169), (430, 17196), (456, 17250), (515, 17334), (525, 17352), (593, 17514), (597, 17526), (612, 17574), (636, 17649), (649, 17688), (681, 17733), (693, 17766), (695, 17772), (706, 17799), (745, 17883), (759, 17934), (760, 17940), (795, 18033), (798, 18042), (824, 18129), (843, 18189),

Gene: NicoleTera_32 Start: 22012, Stop: 23784, Start Num: 108

Candidate Starts for NicoleTera_32:

(Start: 90 @21988 has 8 MA's), (Start: 108 @22012 has 545 MA's), (202, 22195), (232, 22246), (233, 22249), (262, 22321), (264, 22324), (289, 22378), (292, 22384), (301, 22417), (338, 22495), (373,

22582), (412, 22663), (413, 22666), (551, 22939), (563, 22978), (596, 23056), (597, 23059), (639, 23191), (669, 23239), (681, 23269), (693, 23302), (698, 23317), (705, 23332), (714, 23353), (724, 23377), (735, 23416), (738, 23431), (747, 23464), (760, 23515), (792, 23620), (794, 23626), (813, 23680),

Gene: NiebruSaylor_55 Start: 32904, Stop: 34640, Start Num: 74

Candidate Starts for NiebruSaylor_55:

(Start: 69 @32895 has 2 MA's), (Start: 74 @32904 has 26 MA's), (134, 32994), (187, 33111), (203, 33147), (214, 33168), (230, 33195), (233, 33201), (249, 33231), (261, 33255), (281, 33306), (342, 33444), (344, 33450), (363, 33501), (365, 33504), (374, 33522), (420, 33573), (429, 33594), (430, 33597), (455, 33645), (456, 33651), (474, 33699), (477, 33705), (480, 33711), (504, 33771), (515, 33795), (517, 33798), (538, 33843), (542, 33858), (546, 33867), (549, 33876), (564, 33921), (573, 33939), (589, 33972), (673, 34110), (680, 34131), (706, 34197), (717, 34227), (734, 34281), (744, 34323), (751, 34344), (755, 34365), (759, 34377), (765, 34398), (781, 34452), (815, 34530), (822, 34566), (827, 34587), (834, 34614),

Gene: Nikao_19 Start: 16697, Stop: 18463, Start Num: 79

Candidate Starts for Nikao_19:

(Start: 79 @16697 has 139 MA's), (Start: 81 @16703 has 15 MA's), (101, 16727), (Start: 175 @16853 has 47 MA's), (179, 16868), (184, 16886), (210, 16949), (266, 17084), (Start: 268 @17090 has 11 MA's), (310, 17198), (315, 17207), (363, 17312), (395, 17381), (399, 17387), (410, 17423), (418, 17435), (447, 17498), (515, 17600), (525, 17618), (541, 17660), (542, 17663), (586, 17768), (612, 17840), (647, 17948), (649, 17954), (681, 17999), (701, 18053), (718, 18074), (745, 18149), (759, 18200), (795, 18299), (802, 18314), (815, 18350), (824, 18395), (834, 18434), (835, 18437), (843, 18455),

Gene: Niklas_23 Start: 16517, Stop: 18283, Start Num: 79

Candidate Starts for Niklas_23:

(Start: 75 @16508 has 25 MA's), (Start: 79 @16517 has 139 MA's), (Start: 81 @16523 has 15 MA's), (101, 16547), (129, 16586), (Start: 175 @16673 has 47 MA's), (179, 16688), (184, 16706), (Start: 196 @16739 has 7 MA's), (266, 16904), (283, 16940), (310, 17018), (315, 17027), (363, 17132), (365, 17135), (384, 17174), (395, 17201), (399, 17207), (412, 17249), (418, 17255), (430, 17282), (515, 17420), (525, 17438), (558, 17528), (573, 17555), (586, 17588), (612, 17660), (630, 17714), (641, 17750), (649, 17774), (681, 17819), (693, 17852), (698, 17867), (706, 17885), (718, 17894), (745, 17969), (759, 18020), (760, 18026), (798, 18128), (834, 18254), (835, 18257), (843, 18275),

Gene: Nimbo_16 Start: 14808, Stop: 16517, Start Num: 87

Candidate Starts for Nimbo_16:

(Start: 87 @14808 has 207 MA's), (150, 14895), (Start: 175 @14940 has 47 MA's), (182, 14964), (230, 15069), (233, 15075), (242, 15093), (257, 15123), (300, 15228), (323, 15288), (338, 15309), (342, 15318), (352, 15342), (420, 15468), (427, 15483), (429, 15489), (445, 15525), (448, 15528), (455, 15540), (456, 15546), (474, 15594), (480, 15606), (484, 15612), (515, 15672), (522, 15684), (538, 15720), (541, 15732), (571, 15807), (573, 15816), (581, 15834), (584, 15840), (596, 15870), (667, 15975), (671, 15984), (673, 15987), (687, 16023), (716, 16101), (744, 16200), (751, 16221), (759, 16254), (768, 16284), (776, 16314), (779, 16323), (781, 16329), (792, 16344), (793, 16347), (798, 16368), (800, 16371), (817, 16413), (822, 16443), (833, 16485),

Gene: Nimrod_24 Start: 19991, Stop: 21670, Start Num: 94

Candidate Starts for Nimrod_24:

(Start: 94 @19991 has 79 MA's), (Start: 147 @20075 has 45 MA's), (Start: 183 @20153 has 1 MA's), (227, 20240), (233, 20255), (257, 20303), (271, 20342), (306, 20429), (321, 20462), (342, 20498), (354, 20528), (356, 20534), (400, 20603), (424, 20633), (428, 20645), (429, 20648), (456, 20705), (517, 20837), (520, 20843), (547, 20909), (549, 20915), (556, 20939), (573, 20987), (584, 21011),

(589, 21020), (616, 21095), (671, 21146), (678, 21161), (736, 21323), (742, 21350), (751, 21380), (780, 21485), (815, 21563), (822, 21599), (824, 21608), (833, 21641), (838, 21656),

Gene: Nitzel_17 Start: 15550, Stop: 17259, Start Num: 89

Candidate Starts for Nitzel_17:

(Start: 89 @15550 has 30 MA's), (Start: 175 @15682 has 47 MA's), (182, 15706), (184, 15715), (214, 15784), (233, 15817), (242, 15835), (247, 15844), (300, 15970), (323, 16030), (338, 16051), (342, 16060), (352, 16084), (368, 16126), (396, 16159), (398, 16162), (402, 16171), (408, 16186), (410, 16192), (420, 16210), (427, 16225), (429, 16231), (445, 16267), (448, 16270), (455, 16282), (456, 16288), (459, 16297), (474, 16336), (480, 16348), (538, 16462), (541, 16474), (555, 16507), (571, 16549), (573, 16558), (581, 16576), (584, 16582), (667, 16717), (673, 16729), (687, 16765), (716, 16843), (768, 17026), (775, 17053), (776, 17056), (779, 17065), (781, 17071), (792, 17086), (798, 17110), (800, 17113), (805, 17122), (817, 17155), (833, 17227),

Gene: Nivrat_16 Start: 14812, Stop: 16521, Start Num: 87

Candidate Starts for Nivrat_16:

(Start: 87 @14812 has 207 MA's), (150, 14899), (Start: 175 @14944 has 47 MA's), (182, 14968), (230, 15073), (233, 15079), (242, 15097), (257, 15127), (300, 15232), (320, 15286), (323, 15292), (329, 15301), (342, 15322), (352, 15346), (365, 15382), (368, 15388), (396, 15421), (398, 15424), (402, 15433), (408, 15448), (410, 15454), (420, 15472), (427, 15487), (429, 15493), (435, 15511), (436, 15514), (445, 15529), (455, 15544), (456, 15550), (474, 15598), (480, 15610), (484, 15616), (515, 15676), (522, 15688), (538, 15724), (541, 15736), (571, 15811), (573, 15820), (581, 15838), (584, 15844), (596, 15874), (667, 15979), (673, 15991), (687, 16027), (716, 16105), (751, 16225), (759, 16258), (768, 16288), (771, 16300), (776, 16318), (778, 16324), (779, 16327), (781, 16333), (792, 16348), (793, 16351), (798, 16372), (800, 16375), (817, 16417), (822, 16447), (833, 16489), (834, 16495),

Gene: Niza_29 Start: 22150, Stop: 23952, Start Num: 109

Candidate Starts for Niza_29:

(Start: 109 @22150 has 207 MA's), (Start: 124 @22171 has 4 MA's), (Start: 146 @22213 has 1 MA's), (171, 22258), (264, 22474), (283, 22519), (289, 22528), (301, 22567), (321, 22618), (322, 22621), (413, 22816), (449, 22885), (477, 22945), (549, 23086), (551, 23089), (556, 23110), (596, 23206), (597, 23209), (599, 23215), (623, 23284), (628, 23302), (630, 23311), (639, 23341), (681, 23437), (693, 23470), (698, 23485), (745, 23626), (760, 23683), (794, 23794),

Gene: NoShow_18 Start: 15497, Stop: 17335, Start Num: 59

Candidate Starts for NoShow_18:

(Start: 59 @15497 has 4 MA's), (135, 15614), (Start: 175 @15689 has 47 MA's), (179, 15704), (Start: 197 @15758 has 1 MA's), (218, 15806), (293, 15977), (321, 16055), (322, 16058), (338, 16082), (351, 16109), (378, 16178), (380, 16181), (388, 16229), (395, 16259), (399, 16265), (405, 16283), (406, 16286), (418, 16313), (426, 16328), (447, 16376), (454, 16388), (513, 16475), (522, 16490), (554, 16571), (577, 16628), (586, 16649), (596, 16670), (650, 16838), (709, 16940), (721, 16949), (732, 16976), (742, 17006), (759, 17069), (760, 17075), (795, 17168), (832, 17294), (834, 17303),

Gene: NoSleep_25 Start: 19485, Stop: 21164, Start Num: 94

Candidate Starts for NoSleep_25:

(Start: 94 @19485 has 79 MA's), (Start: 147 @19569 has 45 MA's), (Start: 183 @19647 has 1 MA's), (227, 19734), (233, 19749), (257, 19797), (271, 19836), (306, 19923), (321, 19956), (342, 19992), (354, 20022), (356, 20028), (400, 20097), (424, 20127), (428, 20139), (429, 20142), (456, 20199), (517, 20331), (520, 20337), (547, 20403), (549, 20409), (556, 20433), (573, 20481), (584, 20505), (589, 20514), (616, 20589), (671, 20640), (678, 20655), (736, 20817), (742, 20844), (751, 20874), (780, 20979), (815, 21057), (822, 21093), (824, 21102), (833, 21135), (838, 21150),

Gene: Noella_28 Start: 20456, Stop: 22255, Start Num: 108

Candidate Starts for Noella_28:

(Start: 108 @20456 has 545 MA's), (Start: 146 @20516 has 1 MA's), (179, 20585), (227, 20687), (232, 20699), (233, 20702), (264, 20777), (Start: 268 @20792 has 11 MA's), (289, 20831), (347, 20966), (373, 21035), (430, 21149), (495, 21275), (549, 21389), (556, 21413), (559, 21425), (563, 21431), (597, 21512), (623, 21587), (628, 21605), (630, 21614), (637, 21638), (639, 21644), (645, 21659), (662, 21692), (680, 21737), (681, 21740), (689, 21761), (736, 21890), (760, 21986), (792, 22091), (794, 22097), (833, 22232),

Gene: Noelle_27 Start: 19888, Stop: 21681, Start Num: 112

Candidate Starts for Noelle_27:

(Start: 90 @19858 has 8 MA's), (Start: 108 @19882 has 545 MA's), (Start: 112 @19888 has 3 MA's), (Start: 146 @19942 has 1 MA's), (179, 20011), (Start: 183 @20026 has 1 MA's), (208, 20089), (227, 20113), (232, 20125), (233, 20128), (264, 20203), (Start: 268 @20218 has 11 MA's), (322, 20350), (338, 20374), (373, 20461), (430, 20575), (449, 20614), (495, 20701), (522, 20746), (549, 20815), (556, 20839), (563, 20857), (597, 20938), (623, 21013), (628, 21031), (637, 21064), (639, 21070), (645, 21085), (653, 21109), (680, 21163), (681, 21166), (689, 21187), (760, 21412), (792, 21517), (794, 21523), (833, 21658),

Gene: Norbert_27 Start: 20455, Stop: 22254, Start Num: 108

Candidate Starts for Norbert_27:

(Start: 108 @20455 has 545 MA's), (Start: 146 @20515 has 1 MA's), (179, 20584), (227, 20686), (232, 20698), (233, 20701), (264, 20776), (Start: 268 @20791 has 11 MA's), (289, 20830), (347, 20965), (373, 21034), (430, 21148), (495, 21274), (549, 21388), (556, 21412), (559, 21424), (563, 21430), (597, 21511), (623, 21586), (628, 21604), (630, 21613), (637, 21637), (639, 21643), (645, 21658), (662, 21691), (680, 21736), (681, 21739), (689, 21760), (736, 21889), (760, 21985), (792, 22090), (794, 22096), (833, 22231),

Gene: NormanBulbieJr_16 Start: 14800, Stop: 16509, Start Num: 87

Candidate Starts for NormanBulbieJr_16:

(Start: 87 @14800 has 207 MA's), (150, 14887), (Start: 175 @14932 has 47 MA's), (182, 14956), (230, 15061), (233, 15067), (242, 15085), (257, 15115), (300, 15220), (323, 15280), (338, 15301), (342, 15310), (352, 15334), (420, 15460), (427, 15475), (429, 15481), (445, 15517), (448, 15520), (455, 15532), (456, 15538), (474, 15586), (480, 15598), (484, 15604), (515, 15664), (522, 15676), (538, 15712), (541, 15724), (571, 15799), (573, 15808), (581, 15826), (584, 15832), (596, 15862), (667, 15967), (673, 15979), (687, 16015), (716, 16093), (744, 16192), (751, 16213), (759, 16246), (768, 16276), (771, 16288), (776, 16306), (778, 16312), (779, 16315), (781, 16321), (792, 16336), (793, 16339), (798, 16360), (800, 16363), (817, 16405), (822, 16435), (833, 16477), (834, 16483),

Gene: NorthStar_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for NorthStar_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Norvs_49 Start: 29614, Stop: 31305, Start Num: 110

Candidate Starts for Norvs_49:

(Start: 110 @29614 has 14 MA's), (144, 29674), (159, 29707), (174, 29737), (176, 29740), (244, 29899), (249, 29908), (301, 30037), (319, 30085), (456, 30298), (458, 30304), (466, 30328), (529,

30457), (538, 30478), (549, 30511), (616, 30709), (713, 30862), (742, 30961), (745, 30973), (748, 30982), (771, 31066), (823, 31213), (832, 31249),

Gene: Norz_29 Start: 21986, Stop: 23788, Start Num: 109

Candidate Starts for Norz_29:

(Start: 109 @21986 has 207 MA's), (Start: 124 @22007 has 4 MA's), (Start: 146 @22049 has 1 MA's), (171, 22094), (264, 22310), (283, 22355), (289, 22364), (301, 22403), (321, 22454), (322, 22457), (413, 22652), (449, 22721), (549, 22922), (551, 22925), (556, 22946), (596, 23042), (597, 23045), (599, 23051), (623, 23120), (628, 23138), (630, 23147), (639, 23177), (681, 23273), (693, 23306), (698, 23321), (745, 23462), (760, 23519), (794, 23630),

Gene: NosilaM_44 Start: 30458, Stop: 32074, Start Num: 194

Candidate Starts for NosilaM_44:

(Start: 194 @30458 has 87 MA's), (243, 30572), (274, 30656), (359, 30839), (401, 30905), (405, 30920), (419, 30944), (457, 31031), (469, 31061), (470, 31064), (499, 31121), (532, 31193), (570, 31298), (604, 31385), (622, 31433), (669, 31559), (683, 31595), (730, 31706), (751, 31781), (813, 31958), (822, 32000), (838, 32057),

Gene: NotAPhaseMom_27 Start: 19831, Stop: 21609, Start Num: 108

Candidate Starts for NotAPhaseMom_27:

(Start: 90 @19807 has 8 MA's), (Start: 108 @19831 has 545 MA's), (Start: 146 @19888 has 1 MA's), (Start: 175 @19942 has 47 MA's), (179, 19957), (184, 19975), (227, 20059), (232, 20071), (233, 20074), (264, 20149), (Start: 268 @20164 has 11 MA's), (289, 20203), (338, 20320), (373, 20407), (412, 20488), (435, 20536), (449, 20560), (495, 20647), (522, 20692), (551, 20764), (556, 20785), (563, 20803), (597, 20884), (628, 20977), (630, 20986), (637, 21010), (639, 21016), (647, 21040), (681, 21094), (689, 21115), (710, 21166), (719, 21190), (736, 21244), (760, 21340), (792, 21445), (795, 21460), (828, 21568), (833, 21586),

Gene: NothingSpecial_30 Start: 22209, Stop: 23981, Start Num: 108

Candidate Starts for NothingSpecial_30:

(65, 22143), (Start: 90 @22185 has 8 MA's), (Start: 108 @22209 has 545 MA's), (Start: 183 @22344 has 1 MA's), (189, 22362), (232, 22443), (233, 22446), (262, 22518), (264, 22521), (289, 22575), (292, 22581), (338, 22692), (359, 22746), (373, 22779), (412, 22860), (413, 22863), (484, 23004), (495, 23019), (507, 23034), (551, 23136), (597, 23256), (639, 23388), (647, 23412), (689, 23487), (693, 23499), (698, 23514), (701, 23520), (735, 23613), (738, 23628), (760, 23712), (792, 23817), (794, 23823), (813, 23877),

Gene: November_22 Start: 17472, Stop: 19238, Start Num: 79

Candidate Starts for November_22:

(Start: 79 @17472 has 139 MA's), (101, 17502), (Start: 175 @17628 has 47 MA's), (179, 17643), (184, 17661), (Start: 196 @17694 has 7 MA's), (210, 17724), (221, 17757), (227, 17769), (266, 17859), (283, 17895), (288, 17901), (315, 17982), (359, 18075), (363, 18087), (365, 18090), (383, 18126), (393, 18144), (399, 18162), (405, 18180), (412, 18204), (418, 18210), (430, 18237), (447, 18273), (525, 18393), (558, 18483), (573, 18510), (593, 18555), (612, 18615), (636, 18690), (645, 18714), (694, 18810), (706, 18840), (718, 18849), (745, 18924), (798, 19083), (834, 19209), (835, 19212), (843, 19230),

Gene: NovumRegina_41 Start: 30206, Stop: 31819, Start Num: 194

Candidate Starts for NovumRegina_41:

(Start: 194 @30206 has 87 MA's), (Start: 209 @30242 has 1 MA's), (216, 30260), (243, 30320), (351, 30560), (353, 30572), (359, 30587), (401, 30653), (405, 30668), (419, 30692), (421, 30695), (457, 30779), (469, 30809), (470, 30812), (499, 30869), (519, 30917), (521, 30920), (532, 30941), (570, 31046), (592, 31091), (604, 31133), (669, 31307), (681, 31337), (683, 31343), (729, 31451), (730,

31454), (751, 31529), (822, 31748), (838, 31805),

Gene: Nutello_19 Start: 16697, Stop: 18463, Start Num: 79

Candidate Starts for Nutello_19:

(Start: 79 @16697 has 139 MA's), (Start: 81 @16703 has 15 MA's), (101, 16727), (Start: 175 @16853 has 47 MA's), (179, 16868), (184, 16886), (210, 16949), (266, 17084), (Start: 268 @17090 has 11 MA's), (310, 17198), (315, 17207), (363, 17312), (395, 17381), (399, 17387), (410, 17423), (418, 17435), (447, 17498), (515, 17600), (525, 17618), (541, 17660), (542, 17663), (586, 17768), (612, 17840), (647, 17948), (649, 17954), (681, 17999), (701, 18053), (718, 18074), (745, 18149), (759, 18200), (795, 18299), (802, 18314), (815, 18350), (824, 18395), (834, 18434), (835, 18437), (843, 18455),

Gene: Nyceirae_23 Start: 18768, Stop: 20426, Start Num: 152

Candidate Starts for Nyceirae_23:

(76, 18639), (133, 18732), (Start: 152 @18768 has 2 MA's), (Start: 157 @18780 has 3 MA's), (Start: 198 @18894 has 1 MA's), (213, 18924), (242, 18978), (267, 19044), (269, 19050), (312, 19161), (316, 19170), (333, 19197), (337, 19203), (338, 19206), (349, 19227), (382, 19311), (428, 19398), (429, 19401), (458, 19467), (463, 19482), (488, 19536), (498, 19566), (508, 19575), (529, 19617), (538, 19638), (555, 19686), (557, 19698), (566, 19725), (594, 19794), (620, 19863), (667, 19896), (691, 19953), (712, 20004), (733, 20073), (756, 20160), (760, 20175), (777, 20232), (780, 20241), (798, 20280), (814, 20319), (816, 20325),

Gene: Nymphadora_19 Start: 17764, Stop: 19362, Start Num: 194

Candidate Starts for Nymphadora_19:

(Start: 194 @17764 has 87 MA's), (310, 18022), (319, 18040), (321, 18043), (351, 18097), (381, 18172), (413, 18241), (423, 18250), (427, 18262), (451, 18313), (459, 18340), (462, 18349), (463, 18352), (518, 18385), (541, 18442), (564, 18508), (602, 18619), (610, 18643), (623, 18679), (655, 18781), (682, 18838), (716, 18928), (787, 19168), (810, 19246),

Gene: Nyxis_27 Start: 19770, Stop: 21548, Start Num: 108

Candidate Starts for Nyxis_27:

(Start: 90 @19746 has 8 MA's), (Start: 108 @19770 has 545 MA's), (Start: 146 @19827 has 1 MA's), (Start: 175 @19881 has 47 MA's), (179, 19896), (184, 19914), (227, 19998), (232, 20010), (233, 20013), (264, 20088), (Start: 268 @20103 has 11 MA's), (289, 20142), (338, 20259), (373, 20346), (412, 20427), (435, 20475), (449, 20499), (495, 20586), (522, 20631), (551, 20703), (556, 20724), (563, 20742), (597, 20823), (628, 20916), (630, 20925), (637, 20949), (639, 20955), (647, 20979), (681, 21033), (689, 21054), (710, 21105), (719, 21129), (760, 21279), (792, 21384), (795, 21399), (828, 21507), (833, 21525),

Gene: OBUpride_22 Start: 17400, Stop: 19142, Start Num: 78

Candidate Starts for OBUpride_22:

(Start: 78 @17400 has 41 MA's), (Start: 81 @17409 has 15 MA's), (114, 17451), (145, 17502), (158, 17526), (166, 17538), (Start: 175 @17559 has 47 MA's), (179, 17574), (184, 17592), (Start: 197 @17625 has 1 MA's), (208, 17652), (234, 17724), (272, 17814), (305, 17898), (309, 17907), (318, 17928), (352, 17994), (362, 18021), (381, 18054), (393, 18072), (401, 18093), (405, 18108), (406, 18111), (434, 18177), (435, 18180), (466, 18246), (483, 18258), (500, 18267), (504, 18270), (542, 18357), (559, 18411), (582, 18456), (585, 18462), (611, 18534), (623, 18564), (630, 18591), (641, 18627), (645, 18636), (693, 18714), (753, 18858), (757, 18876), (760, 18888), (767, 18903), (769, 18906), (776, 18927), (780, 18939), (798, 18987), (812, 19020), (830, 19095), (834, 19113), (843, 19134),

Gene: ODay_25 Start: 18641, Stop: 20350, Start Num: 108

Candidate Starts for ODay_25:

(Start: 108 @18641 has 545 MA's), (118, 18653), (Start: 120 @18656 has 4 MA's), (141, 18695), (211, 18860), (251, 18953), (Start: 268 @19004 has 11 MA's), (272, 19013), (281, 19031), (299, 19073), (301, 19079), (309, 19103), (310, 19109), (318, 19127), (347, 19178), (350, 19184), (359, 19214), (390, 19256), (397, 19277), (401, 19283), (407, 19307), (430, 19358), (431, 19361), (444, 19391), (449, 19397), (545, 19541), (605, 19703), (628, 19769), (630, 19778), (636, 19799), (687, 19892), (694, 19913), (698, 19925), (701, 19931), (705, 19940), (707, 19943), (737, 19997), (745, 20027), (763, 20096), (792, 20183), (794, 20189), (812, 20240), (822, 20285), (833, 20327), (840, 20345),

Gene: OKCentral2016_27 Start: 19492, Stop: 21270, Start Num: 108

Candidate Starts for OKCentral2016_27:

(Start: 90 @19468 has 8 MA's), (Start: 108 @19492 has 545 MA's), (Start: 146 @19549 has 1 MA's), (154, 19564), (179, 19618), (227, 19720), (232, 19732), (233, 19735), (264, 19810), (Start: 268 @19825 has 11 MA's), (289, 19864), (338, 19981), (347, 19999), (373, 20068), (410, 20143), (430, 20182), (449, 20221), (495, 20308), (513, 20338), (522, 20353), (540, 20401), (556, 20446), (559, 20458), (563, 20464), (596, 20542), (597, 20545), (628, 20638), (630, 20647), (637, 20671), (639, 20677), (645, 20692), (669, 20725), (689, 20776), (695, 20794), (713, 20833), (714, 20839), (745, 20944), (760, 21001), (768, 21025), (770, 21031), (792, 21106), (794, 21112), (795, 21121), (833, 21247),

Gene: OKaNui_28 Start: 19880, Stop: 21658, Start Num: 108

Candidate Starts for OKaNui_28:

(Start: 90 @19856 has 8 MA's), (Start: 108 @19880 has 545 MA's), (Start: 146 @19937 has 1 MA's), (Start: 175 @19991 has 47 MA's), (179, 20006), (184, 20024), (227, 20108), (232, 20120), (233, 20123), (264, 20198), (Start: 268 @20213 has 11 MA's), (289, 20252), (338, 20369), (373, 20456), (412, 20537), (435, 20585), (449, 20609), (495, 20696), (522, 20741), (551, 20813), (556, 20834), (563, 20852), (597, 20933), (628, 21026), (630, 21035), (637, 21059), (639, 21065), (647, 21089), (681, 21143), (689, 21164), (710, 21215), (719, 21239), (736, 21293), (760, 21389), (792, 21494), (795, 21509), (828, 21617), (833, 21635),

Gene: Obama12_28 Start: 20140, Stop: 21921, Start Num: 108

Candidate Starts for Obama12_28:

(Start: 90 @20116 has 8 MA's), (Start: 108 @20140 has 545 MA's), (Start: 112 @20146 has 3 MA's), (Start: 146 @20200 has 1 MA's), (154, 20215), (179, 20269), (184, 20287), (227, 20371), (232, 20383), (233, 20386), (264, 20461), (Start: 268 @20476 has 11 MA's), (289, 20515), (338, 20632), (373, 20719), (412, 20800), (435, 20848), (449, 20872), (495, 20959), (522, 21004), (551, 21076), (556, 21097), (563, 21115), (597, 21196), (623, 21271), (628, 21289), (630, 21298), (637, 21322), (639, 21328), (647, 21352), (678, 21394), (681, 21406), (689, 21427), (710, 21478), (719, 21502), (736, 21556), (760, 21652), (792, 21757), (795, 21772), (828, 21880), (833, 21898),

Gene: Obliviate_18 Start: 16440, Stop: 18086, Start Num: 175

Candidate Starts for Obliviate_18:

(156, 16404), (Start: 175 @16440 has 47 MA's), (213, 16542), (253, 16620), (254, 16623), (294, 16719), (304, 16758), (336, 16818), (345, 16839), (364, 16893), (370, 16908), (456, 17079), (466, 17109), (549, 17292), (556, 17316), (571, 17367), (604, 17460), (608, 17472), (626, 17517), (661, 17532), (712, 17664), (713, 17667), (742, 17766), (747, 17784), (760, 17835), (780, 17901), (808, 17964), (813, 17976),

Gene: Ochi17_16 Start: 15041, Stop: 16750, Start Num: 87

Candidate Starts for Ochi17_16:

(Start: 87 @15041 has 207 MA's), (150, 15128), (161, 15149), (Start: 175 @15173 has 47 MA's), (182, 15197), (187, 15218), (230, 15302), (233, 15308), (242, 15326), (257, 15356), (300, 15461), (320, 15515), (323, 15521), (337, 15539), (338, 15542), (342, 15551), (352, 15575), (396, 15650), (402, 15662), (408, 15677), (410, 15683), (420, 15701), (427, 15716), (429, 15722), (438, 15749), (445,

15758), (455, 15773), (456, 15779), (474, 15827), (480, 15839), (484, 15845), (515, 15905), (522, 15917), (538, 15953), (541, 15965), (549, 15986), (571, 16040), (573, 16049), (581, 16067), (584, 16073), (596, 16103), (667, 16208), (671, 16217), (673, 16220), (687, 16256), (701, 16295), (716, 16334), (751, 16454), (759, 16487), (768, 16517), (776, 16547), (779, 16556), (781, 16562), (792, 16577), (793, 16580), (798, 16601), (800, 16604), (815, 16640), (817, 16646), (822, 16676), (833, 16718),

Gene: OctaviousRex_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for OctaviousRex_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Odette_36 Start: 26877, Stop: 28610, Start Num: 89

Candidate Starts for Odette_36:

(Start: 89 @26877 has 30 MA's), (Start: 147 @26967 has 45 MA's), (172, 27015), (182, 27045), (193, 27072), (244, 27174), (259, 27204), (298, 27303), (309, 27339), (310, 27345), (321, 27366), (356, 27438), (359, 27447), (368, 27468), (410, 27537), (429, 27576), (430, 27579), (435, 27594), (456, 27633), (474, 27681), (480, 27693), (484, 27699), (503, 27747), (507, 27756), (517, 27777), (526, 27795), (545, 27843), (581, 27945), (605, 28005), (610, 28017), (678, 28101), (681, 28113), (682, 28119), (689, 28131), (691, 28134), (704, 28173), (713, 28191), (726, 28227), (727, 28233), (751, 28320), (775, 28410), (795, 28452), (803, 28470), (814, 28500), (823, 28542), (838, 28596),

Gene: Odin_27 Start: 18961, Stop: 20751, Start Num: 108

Candidate Starts for Odin_27:

(65, 18895), (Start: 90 @18937 has 8 MA's), (Start: 108 @18961 has 545 MA's), (189, 19114), (232, 19195), (233, 19198), (262, 19270), (264, 19273), (Start: 268 @19288 has 11 MA's), (289, 19327), (292, 19333), (338, 19444), (341, 19450), (352, 19477), (373, 19531), (412, 19612), (495, 19771), (513, 19801), (563, 19927), (583, 19978), (597, 20008), (637, 20134), (660, 20188), (674, 20215), (678, 20224), (681, 20236), (693, 20269), (698, 20284), (710, 20308), (735, 20383), (736, 20386), (738, 20398), (760, 20482), (792, 20587), (809, 20638), (813, 20647), (833, 20728),

Gene: OfUltron_16 Start: 15041, Stop: 16750, Start Num: 87

Candidate Starts for OfUltron_16:

(Start: 87 @15041 has 207 MA's), (150, 15128), (161, 15149), (Start: 175 @15173 has 47 MA's), (182, 15197), (187, 15218), (230, 15302), (233, 15308), (242, 15326), (257, 15356), (300, 15461), (320, 15515), (323, 15521), (337, 15539), (338, 15542), (342, 15551), (352, 15575), (396, 15650), (402, 15662), (408, 15677), (410, 15683), (420, 15701), (427, 15716), (429, 15722), (438, 15749), (445, 15758), (455, 15773), (456, 15779), (474, 15827), (480, 15839), (484, 15845), (515, 15905), (522, 15917), (538, 15953), (541, 15965), (549, 15986), (571, 16040), (573, 16049), (581, 16067), (584, 16073), (596, 16103), (667, 16208), (671, 16217), (673, 16220), (687, 16256), (701, 16295), (716, 16334), (751, 16454), (759, 16487), (768, 16517), (776, 16547), (779, 16556), (781, 16562), (792, 16577), (793, 16580), (798, 16601), (800, 16604), (815, 16640), (817, 16646), (822, 16676), (833, 16718),

Gene: Ogopogo_19 Start: 15066, Stop: 16775, Start Num: 87

Candidate Starts for Ogopogo_19:

(Start: 87 @15066 has 207 MA's), (150, 15153), (161, 15174), (Start: 175 @15198 has 47 MA's), (182, 15222), (187, 15243), (230, 15327), (233, 15333), (242, 15351), (257, 15381), (300, 15486), (320, 15540), (323, 15546), (329, 15555), (338, 15567), (342, 15576), (352, 15600), (368, 15642), (396,

15675), (410, 15708), (420, 15726), (427, 15741), (429, 15747), (445, 15783), (455, 15798), (456, 15804), (474, 15852), (480, 15864), (484, 15870), (515, 15930), (538, 15978), (541, 15990), (571, 16065), (573, 16074), (581, 16092), (584, 16098), (596, 16128), (667, 16233), (673, 16245), (687, 16281), (751, 16479), (759, 16512), (768, 16542), (771, 16554), (776, 16572), (779, 16581), (781, 16587), (792, 16602), (793, 16605), (798, 16626), (800, 16629), (817, 16671), (822, 16701), (833, 16743), (834, 16749),

Gene: Ohfah_27 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for Ohfah_27:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: Ohgeesy_19 Start: 17387, Stop: 18985, Start Num: 194

Candidate Starts for Ohgeesy_19:

(Start: 194 @17387 has 87 MA's), (307, 17636), (310, 17645), (319, 17663), (321, 17666), (351, 17720), (381, 17795), (413, 17864), (423, 17873), (427, 17885), (431, 17897), (451, 17936), (459, 17963), (462, 17972), (463, 17975), (518, 18008), (541, 18065), (564, 18131), (602, 18242), (623, 18302), (655, 18404), (682, 18461), (716, 18551), (787, 18791), (810, 18869),

Gene: Ohno789_27 Start: 20972, Stop: 22774, Start Num: 109

Candidate Starts for Ohno789_27:

(Start: 109 @20972 has 207 MA's), (Start: 124 @20993 has 4 MA's), (Start: 146 @21035 has 1 MA's), (171, 21080), (264, 21296), (283, 21341), (289, 21350), (301, 21389), (321, 21440), (322, 21443), (413, 21638), (449, 21707), (549, 21908), (551, 21911), (556, 21932), (596, 22028), (597, 22031), (599, 22037), (623, 22106), (628, 22124), (630, 22133), (639, 22163), (681, 22259), (693, 22292), (698, 22307), (745, 22448), (760, 22505), (794, 22616),

Gene: OkiRoe_21 Start: 17496, Stop: 19268, Start Num: 81

Candidate Starts for OkiRoe_21:

(Start: 81 @17496 has 15 MA's), (86, 17502), (103, 17526), (129, 17559), (154, 17607), (179, 17661), (Start: 196 @17712 has 7 MA's), (221, 17775), (Start: 268 @17883 has 11 MA's), (310, 17991), (363, 18105), (365, 18108), (384, 18147), (395, 18174), (399, 18180), (412, 18222), (418, 18228), (434, 18267), (447, 18291), (515, 18393), (542, 18456), (557, 18501), (612, 18636), (645, 18735), (683, 18813), (693, 18837), (701, 18858), (745, 18954), (747, 18960), (798, 19113), (829, 19218), (830, 19221), (834, 19239),

Gene: Oksu_17 Start: 14871, Stop: 16580, Start Num: 87

Candidate Starts for Oksu_17:

(Start: 87 @14871 has 207 MA's), (150, 14958), (Start: 175 @15003 has 47 MA's), (182, 15027), (230, 15132), (233, 15138), (242, 15156), (257, 15186), (300, 15291), (323, 15351), (338, 15372), (342, 15381), (352, 15405), (396, 15480), (420, 15531), (427, 15546), (429, 15552), (445, 15588), (455, 15603), (456, 15609), (474, 15657), (480, 15669), (484, 15675), (515, 15735), (522, 15747), (538, 15783), (541, 15795), (549, 15816), (571, 15870), (573, 15879), (581, 15897), (584, 15903), (596, 15933), (667, 16038), (671, 16047), (673, 16050), (687, 16086), (716, 16164), (744, 16263), (751, 16284), (759, 16317), (768, 16347), (776, 16377), (779, 16386), (781, 16392), (792, 16407), (793, 16410), (798, 16431), (800, 16434), (815, 16470), (817, 16476), (833, 16548),

Gene: OlanP_29 Start: 20640, Stop: 22436, Start Num: 108

Candidate Starts for OlanP_29:

(Start: 108 @20640 has 545 MA's), (Start: 146 @20697 has 1 MA's), (154, 20712), (179, 20766), (Start: 183 @20781 has 1 MA's), (227, 20868), (232, 20880), (233, 20883), (264, 20958), (Start: 268 @20973 has 11 MA's), (373, 21216), (449, 21369), (495, 21456), (549, 21570), (556, 21594), (563, 21612), (597, 21693), (623, 21768), (628, 21786), (630, 21795), (637, 21819), (639, 21825), (645, 21840), (653, 21864), (680, 21918), (681, 21921), (689, 21942), (794, 22278), (833, 22413),

Gene: OldBen_16 Start: 14778, Stop: 16487, Start Num: 87

Candidate Starts for OldBen_16:

(Start: 87 @14778 has 207 MA's), (150, 14865), (Start: 175 @14910 has 47 MA's), (182, 14934), (230, 15039), (233, 15045), (242, 15063), (247, 15072), (257, 15093), (300, 15198), (323, 15258), (338, 15279), (342, 15288), (352, 15312), (420, 15438), (427, 15453), (429, 15459), (445, 15495), (448, 15498), (455, 15510), (456, 15516), (474, 15564), (480, 15576), (484, 15582), (515, 15642), (522, 15654), (538, 15690), (541, 15702), (571, 15777), (573, 15786), (581, 15804), (584, 15810), (596, 15840), (667, 15945), (671, 15954), (673, 15957), (687, 15993), (716, 16071), (744, 16170), (751, 16191), (759, 16224), (768, 16254), (776, 16284), (779, 16293), (781, 16299), (792, 16314), (793, 16317), (798, 16338), (800, 16341), (817, 16383), (822, 16413), (833, 16455),

Gene: Olga_18 Start: 16640, Stop: 18403, Start Num: 75

Candidate Starts for Olga_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Ollie_29 Start: 20249, Stop: 22045, Start Num: 108

Candidate Starts for Ollie_29:

(Start: 108 @20249 has 545 MA's), (Start: 146 @20306 has 1 MA's), (154, 20321), (173, 20354), (179, 20375), (Start: 183 @20390 has 1 MA's), (227, 20477), (232, 20489), (233, 20492), (264, 20567), (Start: 268 @20582 has 11 MA's), (288, 20618), (373, 20825), (430, 20939), (449, 20978), (495, 21065), (549, 21179), (556, 21203), (563, 21221), (597, 21302), (623, 21377), (628, 21395), (637, 21428), (639, 21434), (653, 21473), (680, 21527), (681, 21530), (689, 21551), (713, 21608), (760, 21776), (792, 21881), (794, 21887), (833, 22022),

Gene: OlympiaSaint_16 Start: 15002, Stop: 16711, Start Num: 87

Candidate Starts for OlympiaSaint_16:

(Start: 87 @15002 has 207 MA's), (150, 15089), (Start: 175 @15134 has 47 MA's), (182, 15158), (230, 15263), (233, 15269), (242, 15287), (257, 15317), (300, 15422), (323, 15482), (338, 15503), (342, 15512), (352, 15536), (396, 15611), (398, 15614), (420, 15662), (427, 15677), (429, 15683), (445, 15719), (448, 15722), (455, 15734), (456, 15740), (474, 15788), (480, 15800), (484, 15806), (515, 15866), (522, 15878), (538, 15914), (541, 15926), (571, 16001), (573, 16010), (581, 16028), (584, 16034), (596, 16064), (667, 16169), (673, 16181), (687, 16217), (716, 16295), (751, 16415), (759, 16448), (768, 16478), (776, 16508), (779, 16517), (781, 16523), (792, 16538), (793, 16541), (800, 16565), (813, 16595), (817, 16607), (822, 16637), (833, 16679),

Gene: Omega_36 Start: 28767, Stop: 30500, Start Num: 89

Candidate Starts for Omega_36:

(Start: 89 @28767 has 30 MA's), (Start: 147 @28857 has 45 MA's), (150, 28860), (182, 28935), (193, 28962), (227, 29028), (244, 29064), (259, 29094), (264, 29109), (298, 29193), (309, 29229), (321, 29256), (343, 29295), (356, 29328), (359, 29337), (398, 29394), (413, 29436), (453, 29511), (456, 29523), (480, 29583), (484, 29589), (503, 29637), (517, 29667), (526, 29685), (531, 29694), (542,

29727), (547, 29739), (549, 29745), (561, 29784), (584, 29841), (678, 29991), (682, 30009), (700, 30051), (711, 30075), (712, 30078), (716, 30093), (727, 30123), (736, 30153), (751, 30210), (803, 30360), (835, 30480), (838, 30486),

Gene: OmniCritical_24 Start: 18531, Stop: 20318, Start Num: 79

Candidate Starts for OmniCritical_24:

(Start: 62 @18492 has 1 MA's), (Start: 75 @18522 has 25 MA's), (Start: 78 @18528 has 41 MA's), (Start: 79 @18531 has 139 MA's), (129, 18588), (154, 18636), (Start: 175 @18675 has 47 MA's), (179, 18690), (184, 18708), (Start: 196 @18741 has 7 MA's), (210, 18771), (227, 18816), (234, 18834), (266, 18906), (Start: 268 @18912 has 11 MA's), (283, 18942), (306, 19008), (310, 19020), (373, 19155), (395, 19203), (399, 19209), (405, 19227), (418, 19257), (434, 19296), (515, 19422), (541, 19482), (542, 19485), (549, 19503), (555, 19518), (612, 19686), (630, 19740), (645, 19785), (668, 19830), (681, 19854), (693, 19887), (706, 19920), (742, 19992), (745, 20004), (759, 20055), (760, 20061), (798, 20163), (834, 20289), (843, 20310),

Gene: OneDirection_17 Start: 14664, Stop: 16373, Start Num: 195

Candidate Starts for OneDirection_17:

(140, 14529), (Start: 195 @14664 has 39 MA's), (269, 14853), (270, 14856), (301, 14931), (328, 14985), (359, 15054), (405, 15144), (406, 15147), (462, 15279), (487, 15333), (516, 15414), (541, 15474), (543, 15480), (574, 15561), (604, 15639), (610, 15657), (625, 15696), (647, 15768), (648, 15771), (655, 15792), (742, 16026), (746, 16041), (757, 16083), (785, 16176), (787, 16179), (797, 16227), (810, 16257),

Gene: OneUp_42 Start: 27048, Stop: 28739, Start Num: 110

Candidate Starts for OneUp_42:

(Start: 110 @27048 has 14 MA's), (144, 27108), (159, 27141), (Start: 209 @27264 has 1 MA's), (243, 27330), (264, 27378), (299, 27465), (301, 27471), (319, 27519), (321, 27522), (344, 27564), (427, 27669), (453, 27720), (456, 27732), (458, 27738), (541, 27924), (610, 28122), (616, 28140), (667, 28182), (685, 28227), (688, 28233), (713, 28293), (745, 28404), (815, 28605), (823, 28644), (832, 28680),

Gene: Onglai_29 Start: 20083, Stop: 21873, Start Num: 108

Candidate Starts for Onglai_29:

(Start: 105 @20080 has 8 MA's), (Start: 108 @20083 has 545 MA's), (232, 20317), (233, 20320), (262, 20392), (264, 20395), (Start: 268 @20410 has 11 MA's), (289, 20449), (292, 20455), (338, 20566), (373, 20653), (412, 20734), (413, 20737), (513, 20923), (540, 20986), (551, 21010), (553, 21016), (563, 21049), (597, 21130), (637, 21256), (651, 21298), (681, 21358), (693, 21391), (698, 21406), (735, 21505), (736, 21508), (738, 21520), (760, 21604), (780, 21670), (792, 21709), (794, 21715), (809, 21760), (824, 21817), (825, 21820),

Gene: Oofda_31 Start: 19067, Stop: 20854, Start Num: 108

Candidate Starts for Oofda_31:

(65, 19001), (Start: 90 @19043 has 8 MA's), (Start: 108 @19067 has 545 MA's), (184, 19205), (207, 19262), (233, 19304), (247, 19340), (264, 19379), (295, 19448), (301, 19472), (322, 19526), (399, 19676), (413, 19721), (430, 19751), (446, 19787), (468, 19838), (493, 19874), (522, 19922), (546, 19982), (596, 20111), (623, 20189), (698, 20390), (701, 20396), (736, 20492), (782, 20657), (815, 20756),

Gene: Oogway_26 Start: 21094, Stop: 22896, Start Num: 109

Candidate Starts for Oogway_26:

(Start: 109 @21094 has 207 MA's), (Start: 124 @21115 has 4 MA's), (Start: 146 @21157 has 1 MA's), (171, 21202), (264, 21418), (283, 21463), (289, 21472), (301, 21511), (321, 21562), (322, 21565), (413, 21760), (449, 21829), (549, 22030), (551, 22033), (556, 22054), (596, 22150), (597, 22153),

(599, 22159), (623, 22228), (628, 22246), (630, 22255), (639, 22285), (681, 22381), (693, 22414), (698, 22429), (745, 22570), (760, 22627), (794, 22738), (840, 22891),

Gene: Optimus_35 Start: 27884, Stop: 29882, Start Num: 89

Candidate Starts for Optimus_35:

(Start: 89 @27884 has 30 MA's), (Start: 147 @27974 has 45 MA's), (172, 28022), (182, 28052), (244, 28181), (259, 28211), (275, 28262), (298, 28310), (309, 28346), (321, 28373), (356, 28445), (359, 28454), (368, 28475), (410, 28544), (429, 28583), (430, 28586), (435, 28601), (456, 28640), (474, 28688), (480, 28700), (484, 28706), (503, 28754), (507, 28763), (517, 28784), (526, 28802), (545, 28850), (581, 28952), (610, 29024), (627, 29069), (629, 29081), (656, 29216), (657, 29222), (658, 29246), (659, 29318), (665, 29345), (752, 29594),

Gene: Orange_28 Start: 20755, Stop: 22554, Start Num: 108

Candidate Starts for Orange_28:

(65, 20689), (Start: 90 @20731 has 8 MA's), (Start: 108 @20755 has 545 MA's), (141, 20797), (184, 20893), (189, 20908), (232, 20989), (233, 20992), (264, 21067), (Start: 268 @21082 has 11 MA's), (289, 21121), (292, 21127), (306, 21178), (338, 21238), (341, 21244), (373, 21325), (413, 21409), (472, 21535), (485, 21553), (507, 21580), (563, 21721), (592, 21787), (596, 21799), (597, 21802), (662, 21991), (674, 22018), (678, 22027), (683, 22048), (685, 22051), (693, 22072), (698, 22087), (710, 22111), (735, 22186), (738, 22201), (760, 22285), (792, 22390), (794, 22396), (813, 22450), (840, 22549),

Gene: Oregano_20 Start: 17368, Stop: 18948, Start Num: 194

Candidate Starts for Oregano_20:

(149, 17251), (Start: 194 @17368 has 87 MA's), (310, 17626), (321, 17647), (351, 17701), (363, 17740), (397, 17797), (405, 17818), (518, 17989), (527, 18007), (537, 18031), (543, 18052), (564, 18094), (592, 18175), (623, 18265), (655, 18367), (662, 18370), (682, 18424), (716, 18514), (796, 18793), (797, 18802), (810, 18832),

Gene: OrionPax_25 Start: 19491, Stop: 21170, Start Num: 94

Candidate Starts for OrionPax_25:

(Start: 94 @19491 has 79 MA's), (Start: 147 @19575 has 45 MA's), (Start: 183 @19653 has 1 MA's), (227, 19740), (233, 19755), (257, 19803), (271, 19842), (306, 19929), (321, 19962), (342, 19998), (354, 20028), (356, 20034), (400, 20103), (424, 20133), (428, 20145), (429, 20148), (456, 20205), (517, 20337), (520, 20343), (547, 20409), (549, 20415), (556, 20439), (573, 20487), (584, 20511), (589, 20520), (616, 20595), (671, 20646), (678, 20661), (736, 20823), (742, 20850), (751, 20880), (780, 20985), (815, 21063), (822, 21099), (824, 21108), (833, 21141), (838, 21156),

Gene: Oscar_22 Start: 16394, Stop: 18157, Start Num: 78

Candidate Starts for Oscar_22:

(Start: 62 @16358 has 1 MA's), (Start: 75 @16388 has 25 MA's), (Start: 78 @16394 has 41 MA's), (101, 16421), (122, 16448), (179, 16562), (Start: 196 @16613 has 7 MA's), (221, 16676), (266, 16778), (Start: 268 @16784 has 11 MA's), (299, 16856), (310, 16892), (315, 16901), (338, 16940), (357, 16988), (363, 17006), (383, 17045), (393, 17063), (395, 17075), (399, 17081), (412, 17123), (418, 17129), (430, 17156), (515, 17294), (525, 17312), (531, 17324), (558, 17402), (593, 17474), (597, 17486), (612, 17534), (636, 17609), (681, 17693), (693, 17726), (695, 17732), (706, 17759), (745, 17843), (747, 17849), (759, 17894), (760, 17900), (795, 17993), (824, 18089), (843, 18149),

Gene: Outis_42 Start: 30437, Stop: 32053, Start Num: 194

Candidate Starts for Outis_42:

(Start: 194 @30437 has 87 MA's), (243, 30551), (359, 30818), (401, 30884), (405, 30899), (419, 30923), (421, 30926), (457, 31010), (469, 31040), (476, 31058), (496, 31091), (499, 31100), (505, 31118), (519, 31148), (532, 31172), (565, 31256), (570, 31277), (593, 31325), (604, 31364), (622,

31412), (669, 31538), (683, 31574), (730, 31685), (751, 31760), (813, 31937), (822, 31979), (838, 32036),

Gene: Ovechkin_16 Start: 14836, Stop: 16545, Start Num: 87

Candidate Starts for Ovechkin_16:

(Start: 87 @14836 has 207 MA's), (150, 14923), (Start: 175 @14968 has 47 MA's), (182, 14992), (230, 15097), (233, 15103), (242, 15121), (257, 15151), (300, 15256), (323, 15316), (338, 15337), (342, 15346), (352, 15370), (420, 15496), (427, 15511), (429, 15517), (445, 15553), (448, 15556), (455, 15568), (456, 15574), (474, 15622), (480, 15634), (484, 15640), (515, 15700), (522, 15712), (538, 15748), (541, 15760), (571, 15835), (573, 15844), (581, 15862), (584, 15868), (596, 15898), (667, 16003), (671, 16012), (673, 16015), (687, 16051), (716, 16129), (744, 16228), (751, 16249), (759, 16282), (768, 16312), (776, 16342), (779, 16351), (781, 16357), (792, 16372), (793, 16375), (800, 16399), (813, 16429), (817, 16441), (822, 16471), (833, 16513),

Gene: OwlsT2W_18 Start: 15174, Stop: 16883, Start Num: 87

Candidate Starts for OwlsT2W_18:

(Start: 87 @15174 has 207 MA's), (150, 15261), (Start: 175 @15306 has 47 MA's), (182, 15330), (230, 15435), (233, 15441), (242, 15459), (257, 15489), (300, 15594), (323, 15654), (329, 15663), (337, 15672), (338, 15675), (342, 15684), (352, 15708), (396, 15783), (398, 15786), (420, 15834), (427, 15849), (429, 15855), (445, 15891), (448, 15894), (455, 15906), (456, 15912), (474, 15960), (480, 15972), (484, 15978), (515, 16038), (522, 16050), (538, 16086), (541, 16098), (571, 16173), (573, 16182), (581, 16200), (584, 16206), (596, 16236), (667, 16341), (671, 16350), (673, 16353), (687, 16389), (713, 16455), (716, 16467), (744, 16566), (751, 16587), (759, 16620), (768, 16650), (776, 16680), (779, 16689), (781, 16695), (792, 16710), (793, 16713), (800, 16737), (813, 16767), (817, 16779), (822, 16809), (833, 16851),

Gene: P1201_47 Start: 34468, Stop: 36096, Start Num: 194

Candidate Starts for P1201_47:

(Start: 194 @34468 has 87 MA's), (292, 34690), (319, 34771), (334, 34792), (406, 34936), (464, 35071), (499, 35143), (502, 35152), (544, 35251), (550, 35266), (586, 35359), (642, 35524), (662, 35563), (712, 35668), (724, 35701), (735, 35740), (754, 35812), (766, 35866), (773, 35890), (782, 35899), (809, 35980), (833, 36070),

Gene: P28Green_29 Start: 20380, Stop: 22176, Start Num: 108

Candidate Starts for P28Green_29:

(Start: 108 @20380 has 545 MA's), (Start: 146 @20437 has 1 MA's), (154, 20452), (179, 20506), (Start: 183 @20521 has 1 MA's), (227, 20608), (232, 20620), (233, 20623), (264, 20698), (Start: 268 @20713 has 11 MA's), (288, 20749), (373, 20956), (449, 21109), (495, 21196), (549, 21310), (556, 21334), (563, 21352), (597, 21433), (623, 21508), (628, 21526), (637, 21559), (639, 21565), (653, 21604), (680, 21658), (681, 21661), (689, 21682), (713, 21739), (760, 21907), (792, 22012), (794, 22018), (833, 22153),

Gene: P3MA_19 Start: 14376, Stop: 16133, Start Num: 79

Candidate Starts for P3MA_19:

(66, 14352), (Start: 79 @14376 has 139 MA's), (145, 14469), (221, 14658), (266, 14760), (321, 14895), (324, 14901), (338, 14922), (347, 14940), (359, 14976), (369, 15000), (406, 15078), (411, 15096), (426, 15120), (441, 15162), (447, 15168), (450, 15171), (515, 15270), (558, 15381), (586, 15441), (612, 15513), (645, 15612), (647, 15621), (681, 15669), (708, 15738), (745, 15819), (751, 15837), (754, 15849), (759, 15870), (769, 15897), (776, 15918), (781, 15933), (798, 15978), (805, 15990), (810, 16008), (825, 16065),

Gene: PCoral7_19 Start: 16740, Stop: 18389, Start Num: 175

Candidate Starts for PCoral7_19:

(5, 15693), (6, 15738), (7, 15762), (8, 15768), (10, 15876), (13, 15924), (16, 15996), (20, 16071), (26, 16209), (28, 16239), (29, 16245), (33, 16377), (38, 16434), (39, 16443), (98, 16602), (156, 16704), (Start: 175 @16740 has 47 MA's), (213, 16845), (253, 16923), (273, 16983), (280, 16995), (282, 16998), (364, 17196), (370, 17211), (416, 17295), (422, 17307), (426, 17316), (427, 17319), (434, 17340), (456, 17382), (466, 17412), (549, 17595), (556, 17619), (571, 17670), (584, 17703), (604, 17763), (608, 17775), (624, 17817), (661, 17835), (713, 17970), (742, 18069), (747, 18087), (760, 18138), (778, 18198), (780, 18204), (813, 18279),

Gene: PGHhamlin_31 Start: 20371, Stop: 22167, Start Num: 108

Candidate Starts for PGHhamlin_31:

(Start: 108 @20371 has 545 MA's), (Start: 146 @20428 has 1 MA's), (154, 20443), (173, 20476), (179, 20497), (Start: 183 @20512 has 1 MA's), (227, 20599), (232, 20611), (233, 20614), (264, 20689), (Start: 268 @20704 has 11 MA's), (288, 20740), (373, 20947), (430, 21061), (449, 21100), (495, 21187), (549, 21301), (556, 21325), (563, 21343), (597, 21424), (623, 21499), (628, 21517), (637, 21550), (639, 21556), (653, 21595), (680, 21649), (681, 21652), (689, 21673), (713, 21730), (760, 21898), (792, 22003), (794, 22009), (833, 22144),

Gene: PHappiness_16 Start: 14786, Stop: 16495, Start Num: 87

Candidate Starts for PHappiness_16:

(Start: 87 @14786 has 207 MA's), (150, 14873), (Start: 175 @14918 has 47 MA's), (182, 14942), (230, 15047), (233, 15053), (242, 15071), (257, 15101), (300, 15206), (323, 15266), (338, 15287), (342, 15296), (352, 15320), (420, 15446), (427, 15461), (429, 15467), (445, 15503), (448, 15506), (455, 15518), (456, 15524), (474, 15572), (480, 15584), (484, 15590), (515, 15650), (522, 15662), (538, 15698), (541, 15710), (571, 15785), (573, 15794), (581, 15812), (584, 15818), (596, 15848), (667, 15953), (671, 15962), (673, 15965), (687, 16001), (716, 16079), (744, 16178), (751, 16199), (759, 16232), (768, 16262), (776, 16292), (779, 16301), (781, 16307), (792, 16322), (793, 16325), (798, 16346), (800, 16349), (817, 16391), (822, 16421), (833, 16463),

Gene: PMC_16 Start: 14790, Stop: 16499, Start Num: 87

Candidate Starts for PMC_16:

(Start: 87 @14790 has 207 MA's), (150, 14877), (Start: 175 @14922 has 47 MA's), (182, 14946), (203, 15003), (230, 15051), (233, 15057), (242, 15075), (257, 15105), (279, 15159), (300, 15210), (320, 15264), (323, 15270), (329, 15279), (342, 15300), (352, 15324), (365, 15360), (368, 15366), (396, 15399), (398, 15402), (402, 15411), (408, 15426), (410, 15432), (420, 15450), (427, 15465), (429, 15471), (435, 15489), (436, 15492), (445, 15507), (455, 15522), (456, 15528), (474, 15576), (480, 15588), (484, 15594), (515, 15654), (522, 15666), (538, 15702), (541, 15714), (571, 15789), (573, 15798), (581, 15816), (584, 15822), (596, 15852), (667, 15957), (673, 15969), (687, 16005), (716, 16083), (751, 16203), (759, 16236), (768, 16266), (771, 16278), (776, 16296), (778, 16302), (779, 16305), (781, 16311), (792, 16326), (793, 16329), (798, 16350), (800, 16353), (817, 16395), (822, 16425), (833, 16467), (834, 16473),

Gene: PP_37 Start: 25826, Stop: 27616, Start Num: 108

Candidate Starts for PP_37:

(17, 25235), (23, 25340), (24, 25346), (27, 25436), (30, 25478), (31, 25508), (41, 25676), (65, 25760), (Start: 90 @25802 has 8 MA's), (Start: 108 @25826 has 545 MA's), (Start: 124 @25835 has 4 MA's), (173, 25925), (Start: 183 @25961 has 1 MA's), (189, 25979), (232, 26060), (233, 26063), (264, 26138), (289, 26192), (341, 26315), (352, 26342), (373, 26396), (410, 26471), (412, 26477), (413, 26480), (472, 26606), (551, 26753), (563, 26792), (637, 26999), (645, 27020), (653, 27044), (678, 27089), (680, 27098), (681, 27101), (693, 27134), (698, 27149), (710, 27173), (714, 27185), (735, 27248), (736, 27251), (760, 27347), (766, 27368), (784, 27425), (792, 27452), (794, 27458), (798, 27476), (809, 27503), (813, 27512), (833, 27593),

Gene: PSullivan_29 Start: 21585, Stop: 23387, Start Num: 109

Candidate Starts for PSullivan_29:

(Start: 109 @21585 has 207 MA's), (Start: 124 @21606 has 4 MA's), (Start: 146 @21648 has 1 MA's), (171, 21693), (264, 21909), (283, 21954), (289, 21963), (301, 22002), (321, 22053), (322, 22056), (413, 22251), (449, 22320), (549, 22521), (551, 22524), (556, 22545), (596, 22641), (597, 22644), (599, 22650), (623, 22719), (628, 22737), (630, 22746), (639, 22776), (681, 22872), (693, 22905), (698, 22920), (745, 23061), (760, 23118), (794, 23229),

Gene: Pacc40_16 Start: 14976, Stop: 16685, Start Num: 87

Candidate Starts for Pacc40_16:

(Start: 87 @14976 has 207 MA's), (150, 15063), (Start: 175 @15108 has 47 MA's), (182, 15132), (230, 15237), (233, 15243), (242, 15261), (257, 15291), (300, 15396), (323, 15456), (338, 15477), (342, 15486), (352, 15510), (420, 15636), (427, 15651), (429, 15657), (445, 15693), (448, 15696), (455, 15708), (456, 15714), (474, 15762), (480, 15774), (484, 15780), (515, 15840), (522, 15852), (538, 15888), (541, 15900), (571, 15975), (573, 15984), (581, 16002), (584, 16008), (596, 16038), (667, 16143), (671, 16152), (673, 16155), (687, 16191), (716, 16269), (744, 16368), (751, 16389), (759, 16422), (768, 16452), (776, 16482), (779, 16491), (781, 16497), (792, 16512), (793, 16515), (798, 16536), (800, 16539), (817, 16581), (822, 16611), (833, 16653),

Gene: Pace1224_18 Start: 16851, Stop: 18575, Start Num: 99

Candidate Starts for Pace1224_18:

(Start: 99 @16851 has 4 MA's), (154, 16923), (210, 17058), (240, 17133), (264, 17184), (Start: 268 @17199 has 11 MA's), (283, 17229), (288, 17235), (304, 17289), (359, 17409), (399, 17505), (403, 17514), (418, 17553), (434, 17592), (454, 17628), (479, 17673), (515, 17718), (573, 17859), (597, 17916), (612, 17964), (623, 17991), (632, 18027), (636, 18039), (665, 18081), (693, 18144), (741, 18246), (759, 18312), (820, 18486), (836, 18552),

Gene: PacerPaul_27 Start: 21373, Stop: 23175, Start Num: 109

Candidate Starts for PacerPaul_27:

(Start: 109 @21373 has 207 MA's), (Start: 124 @21394 has 4 MA's), (Start: 146 @21436 has 1 MA's), (171, 21481), (264, 21697), (283, 21742), (289, 21751), (321, 21841), (322, 21844), (413, 22039), (449, 22108), (545, 22297), (549, 22309), (551, 22312), (556, 22333), (596, 22429), (597, 22432), (599, 22438), (623, 22507), (628, 22525), (630, 22534), (639, 22564), (681, 22660), (693, 22693), (698, 22708), (745, 22849), (760, 22906), (794, 23017), (840, 23170),

Gene: PackMan_30 Start: 21746, Stop: 23539, Start Num: 105

Candidate Starts for PackMan_30:

(Start: 105 @21746 has 8 MA's), (Start: 108 @21749 has 545 MA's), (232, 21983), (233, 21986), (262, 22058), (264, 22061), (Start: 268 @22076 has 11 MA's), (289, 22115), (292, 22121), (338, 22232), (373, 22319), (412, 22400), (413, 22403), (513, 22589), (540, 22652), (551, 22676), (553, 22682), (563, 22715), (597, 22796), (637, 22922), (651, 22964), (653, 22967), (681, 23024), (693, 23057), (698, 23072), (735, 23171), (736, 23174), (738, 23186), (760, 23270), (780, 23336), (792, 23375), (794, 23381), (809, 23426), (824, 23483), (825, 23486),

Gene: Padfoot_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Padfoot_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: Padpat_23 Start: 17148, Stop: 18914, Start Num: 79

Candidate Starts for Padpat_23:

(Start: 79 @17148 has 139 MA's), (101, 17178), (184, 17337), (Start: 196 @17370 has 7 MA's), (210, 17400), (221, 17433), (227, 17445), (266, 17535), (288, 17577), (310, 17649), (315, 17658), (338, 17697), (356, 17742), (363, 17763), (365, 17766), (393, 17820), (399, 17838), (412, 17880), (418, 17886), (430, 17913), (515, 18051), (525, 18069), (541, 18111), (548, 18129), (558, 18159), (573, 18186), (612, 18291), (681, 18450), (694, 18486), (706, 18516), (718, 18525), (745, 18600), (759, 18651), (824, 18846), (834, 18885), (835, 18888), (843, 18906),

Gene: PainterBoy_29 Start: 20875, Stop: 22665, Start Num: 108

Candidate Starts for PainterBoy_29:

(Start: 90 @20851 has 8 MA's), (Start: 108 @20875 has 545 MA's), (189, 21028), (232, 21109), (233, 21112), (262, 21184), (264, 21187), (269, 21205), (279, 21226), (289, 21241), (292, 21247), (306, 21298), (338, 21358), (352, 21391), (373, 21445), (412, 21526), (413, 21529), (513, 21715), (551, 21802), (563, 21841), (597, 21922), (637, 22048), (665, 22111), (680, 22147), (698, 22198), (735, 22297), (747, 22345), (760, 22396), (792, 22501), (794, 22507), (813, 22561),

Gene: Paito_18 Start: 16782, Stop: 18536, Start Num: 97

Candidate Starts for Paito_18:

(19, 16239), (Start: 75 @16773 has 25 MA's), (Start: 97 @16782 has 44 MA's), (101, 16788), (Start: 105 @16794 has 8 MA's), (154, 16872), (179, 16926), (Start: 196 @16977 has 7 MA's), (210, 17007), (219, 17031), (264, 17133), (279, 17172), (283, 17178), (292, 17193), (304, 17238), (357, 17352), (359, 17358), (385, 17415), (399, 17454), (412, 17496), (418, 17502), (434, 17541), (479, 17622), (515, 17667), (537, 17712), (596, 17862), (597, 17865), (606, 17895), (612, 17913), (623, 17940), (648, 18024), (653, 18033), (665, 18042), (677, 18057), (693, 18105), (698, 18120), (733, 18183), (751, 18240), (760, 18279), (776, 18321), (795, 18372), (824, 18468), (843, 18528),

Gene: Palestino_26 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Palestino_26:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Palpatine_24 Start: 19847, Stop: 21442, Start Num: 147

Candidate Starts for Palpatine_24:

(Start: 94 @19763 has 79 MA's), (Start: 147 @19847 has 45 MA's), (Start: 183 @19925 has 1 MA's), (227, 20012), (233, 20027), (257, 20075), (271, 20114), (306, 20201), (321, 20234), (342, 20270), (354, 20300), (356, 20306), (400, 20375), (424, 20405), (428, 20417), (429, 20420), (456, 20477), (517, 20609), (520, 20615), (547, 20681), (549, 20687), (556, 20711), (573, 20759), (584, 20783), (589, 20792), (616, 20867), (671, 20918), (678, 20933), (736, 21095), (742, 21122), (751, 21152), (780, 21257), (815, 21335), (822, 21371), (824, 21380), (833, 21413), (838, 21428),

Gene: Panamaxus_27 Start: 20455, Stop: 22254, Start Num: 108

Candidate Starts for Panamaxus_27:

(Start: 108 @20455 has 545 MA's), (Start: 146 @20515 has 1 MA's), (179, 20584), (227, 20686), (232, 20698), (233, 20701), (264, 20776), (Start: 268 @20791 has 11 MA's), (289, 20830), (347, 20965), (373, 21034), (430, 21148), (495, 21274), (549, 21388), (556, 21412), (559, 21424), (563, 21430), (597, 21511), (623, 21586), (628, 21604), (630, 21613), (637, 21637), (639, 21643), (645, 21658), (662, 21691), (680, 21736), (681, 21739), (689, 21760), (736, 21889), (760, 21985), (792, 22090), (794, 22096), (833, 22231),

Gene: Panchino_18 Start: 14966, Stop: 16675, Start Num: 91

Candidate Starts for Panchino_18:

(Start: 91 @14966 has 42 MA's), (115, 14993), (136, 15032), (Start: 175 @15098 has 47 MA's), (178, 15110), (190, 15146), (199, 15170), (213, 15197), (227, 15218), (230, 15227), (233, 15233), (251, 15266), (320, 15440), (323, 15446), (329, 15455), (337, 15464), (342, 15476), (352, 15500), (368, 15542), (396, 15575), (420, 15626), (422, 15629), (427, 15641), (445, 15683), (455, 15698), (456, 15704), (474, 15752), (497, 15806), (515, 15830), (546, 15902), (564, 15956), (571, 15965), (573, 15974), (584, 15998), (595, 16025), (596, 16028), (667, 16133), (671, 16142), (687, 16181), (717, 16262), (735, 16319), (744, 16358), (776, 16472), (792, 16502), (793, 16505), (800, 16529), (815, 16565),

Gene: PantheRoc_19 Start: 17095, Stop: 18693, Start Num: 194

Candidate Starts for PantheRoc_19:

(Start: 194 @17095 has 87 MA's), (310, 17353), (319, 17371), (321, 17374), (351, 17428), (381, 17503), (413, 17572), (423, 17581), (427, 17593), (431, 17605), (451, 17644), (459, 17671), (462, 17680), (463, 17683), (518, 17716), (541, 17773), (564, 17839), (602, 17950), (623, 18010), (655, 18112), (682, 18169), (716, 18259), (787, 18499), (810, 18577),

Gene: Paola_21 Start: 17495, Stop: 19267, Start Num: 81

Candidate Starts for Paola_21:

(Start: 81 @17495 has 15 MA's), (86, 17501), (103, 17525), (129, 17558), (154, 17606), (179, 17660), (Start: 196 @17711 has 7 MA's), (221, 17774), (Start: 268 @17882 has 11 MA's), (310, 17990), (363, 18104), (365, 18107), (384, 18146), (393, 18161), (395, 18173), (399, 18179), (412, 18221), (418, 18227), (434, 18266), (447, 18290), (515, 18392), (542, 18455), (557, 18500), (612, 18635), (645, 18734), (683, 18812), (693, 18836), (695, 18842), (701, 18857), (745, 18953), (747, 18959), (798, 19112), (829, 19217), (830, 19220), (834, 19238),

Gene: Paperbeatsrock_26 Start: 20726, Stop: 22405, Start Num: 94

Candidate Starts for Paperbeatsrock_26:

(Start: 94 @20726 has 79 MA's), (Start: 147 @20810 has 45 MA's), (Start: 183 @20888 has 1 MA's), (227, 20975), (233, 20990), (257, 21038), (271, 21077), (306, 21164), (321, 21197), (342, 21233), (354, 21263), (356, 21269), (400, 21338), (424, 21368), (428, 21380), (429, 21383), (456, 21440), (517, 21572), (520, 21578), (547, 21644), (549, 21650), (556, 21674), (573, 21722), (584, 21746), (589, 21755), (616, 21830), (671, 21881), (678, 21896), (736, 22058), (742, 22085), (751, 22115), (780, 22220), (815, 22298), (822, 22334), (824, 22343), (833, 22376), (838, 22391),

Gene: Papez_29 Start: 22831, Stop: 24612, Start Num: 124

Candidate Starts for Papez_29:

(Start: 109 @22810 has 207 MA's), (Start: 124 @22831 has 4 MA's), (Start: 146 @22873 has 1 MA's), (171, 22918), (264, 23134), (283, 23179), (289, 23188), (301, 23227), (321, 23278), (322, 23281), (413, 23476), (449, 23545), (549, 23746), (551, 23749), (556, 23770), (596, 23866), (597, 23869), (599, 23875), (623, 23944), (628, 23962), (630, 23971), (639, 24001), (681, 24097), (693, 24130), (698, 24145), (745, 24286), (760, 24343), (794, 24454),

Gene: Paphu_26 Start: 20886, Stop: 22688, Start Num: 109

Candidate Starts for Paphu_26:

(Start: 108 @20883 has 545 MA's), (Start: 109 @20886 has 207 MA's), (Start: 124 @20907 has 4 MA's), (Start: 146 @20949 has 1 MA's), (171, 20994), (264, 21210), (283, 21255), (289, 21264), (301, 21303), (321, 21354), (322, 21357), (413, 21552), (449, 21621), (549, 21822), (551, 21825), (556, 21846), (596, 21942), (597, 21945), (599, 21951), (623, 22020), (628, 22038), (630, 22047), (639, 22077), (681, 22173), (693, 22206), (698, 22221), (745, 22362), (760, 22419), (794, 22530), (840, 22683),

Gene: Parada_22 Start: 17344, Stop: 19050, Start Num: 126

Candidate Starts for Parada_22:

(Start: 69 @17269 has 2 MA's), (Start: 126 @17344 has 16 MA's), (Start: 175 @17437 has 47 MA's), (179, 17452), (181, 17458), (Start: 209 @17533 has 1 MA's), (235, 17605), (286, 17716), (301, 17761), (306, 17779), (310, 17791), (395, 17962), (401, 17971), (403, 17977), (412, 18010), (442, 18073), (466, 18124), (500, 18148), (513, 18172), (546, 18247), (558, 18286), (610, 18418), (647, 18532), (693, 18619), (744, 18733), (747, 18742), (780, 18847), (814, 18934), (843, 19042),

Gene: Paraselene_26 Start: 21257, Stop: 23059, Start Num: 109

Candidate Starts for Paraselene_26:

(Start: 109 @21257 has 207 MA's), (Start: 124 @21278 has 4 MA's), (Start: 146 @21320 has 1 MA's), (171, 21365), (264, 21581), (283, 21626), (289, 21635), (301, 21674), (321, 21725), (322, 21728), (413, 21923), (449, 21992), (549, 22193), (551, 22196), (556, 22217), (596, 22313), (597, 22316), (599, 22322), (623, 22391), (628, 22409), (630, 22418), (639, 22448), (681, 22544), (693, 22577), (698, 22592), (745, 22733), (760, 22790), (794, 22901),

Gene: Pari_28 Start: 20846, Stop: 22648, Start Num: 109

Candidate Starts for Pari_28:

(Start: 109 @20846 has 207 MA's), (Start: 124 @20867 has 4 MA's), (Start: 146 @20909 has 1 MA's), (171, 20954), (264, 21170), (283, 21215), (289, 21224), (321, 21314), (322, 21317), (365, 21410), (413, 21512), (449, 21581), (545, 21770), (549, 21782), (551, 21785), (556, 21806), (596, 21902), (597, 21905), (599, 21911), (623, 21980), (628, 21998), (630, 22007), (639, 22037), (681, 22133), (693, 22166), (698, 22181), (745, 22322), (760, 22379), (794, 22490), (840, 22643),

Gene: Parliament_26 Start: 21181, Stop: 22983, Start Num: 109

Candidate Starts for Parliament_26:

(Start: 109 @21181 has 207 MA's), (Start: 124 @21202 has 4 MA's), (Start: 146 @21244 has 1 MA's), (171, 21289), (264, 21505), (283, 21550), (289, 21559), (321, 21649), (322, 21652), (338, 21676), (365, 21745), (413, 21847), (449, 21916), (545, 22105), (549, 22117), (551, 22120), (556, 22141), (596, 22237), (597, 22240), (599, 22246), (623, 22315), (628, 22333), (630, 22342), (639, 22372), (681, 22468), (693, 22501), (698, 22516), (745, 22657), (760, 22714), (794, 22825),

Gene: Parmesanjohn_18 Start: 14989, Stop: 16698, Start Num: 91

Candidate Starts for Parmesanjohn_18:

(Start: 91 @14989 has 42 MA's), (115, 15016), (Start: 175 @15121 has 47 MA's), (178, 15133), (190, 15169), (213, 15220), (230, 15250), (233, 15256), (247, 15283), (251, 15289), (300, 15409), (320, 15463), (323, 15469), (337, 15487), (342, 15499), (343, 15502), (352, 15523), (368, 15565), (396, 15598), (420, 15649), (427, 15664), (445, 15706), (455, 15721), (456, 15727), (474, 15775), (486, 15799), (497, 15829), (515, 15853), (541, 15913), (546, 15925), (564, 15979), (571, 15988), (595, 16048), (596, 16051), (667, 16156), (671, 16165), (687, 16204), (735, 16342), (775, 16492), (776, 16495), (779, 16504), (792, 16525), (800, 16552), (815, 16588), (838, 16681),

Gene: Partridge_23 Start: 16382, Stop: 18007, Start Num: 130

Candidate Starts for Partridge_23:

(Start: 120 @16367 has 4 MA's), (Start: 130 @16382 has 32 MA's), (169, 16451), (181, 16487), (264, 16673), (313, 16802), (338, 16844), (347, 16862), (351, 16871), (358, 16895), (365, 16913), (392, 16943), (395, 16958), (397, 16961), (410, 17000), (413, 17009), (456, 17093), (540, 17210), (551, 17234), (596, 17348), (623, 17426), (633, 17465), (637, 17477), (640, 17486), (669, 17507), (698, 17585), (757, 17732), (788, 17831), (792, 17846), (838, 17999),

Gene: PascalRango_26 Start: 20874, Stop: 22676, Start Num: 109

Candidate Starts for PascalRango_26:

(Start: 109 @20874 has 207 MA's), (Start: 124 @20895 has 4 MA's), (Start: 146 @20937 has 1 MA's), (171, 20982), (264, 21198), (283, 21243), (289, 21252), (301, 21291), (321, 21342), (322, 21345), (365, 21438), (413, 21540), (449, 21609), (549, 21810), (551, 21813), (556, 21834), (596, 21930), (597, 21933), (599, 21939), (623, 22008), (628, 22026), (630, 22035), (639, 22065), (681, 22161), (693, 22194), (698, 22209), (745, 22350), (760, 22407), (794, 22518),

Gene: Pat3_23 Start: 18472, Stop: 20151, Start Num: 94

Candidate Starts for Pat3_23:

(Start: 94 @18472 has 79 MA's), (Start: 147 @18556 has 45 MA's), (Start: 183 @18634 has 1 MA's), (227, 18721), (233, 18736), (257, 18784), (271, 18823), (306, 18910), (321, 18943), (342, 18979), (354, 19009), (356, 19015), (400, 19084), (424, 19114), (428, 19126), (429, 19129), (456, 19186), (517, 19318), (520, 19324), (547, 19390), (549, 19396), (556, 19420), (573, 19468), (584, 19492), (589, 19501), (616, 19576), (671, 19627), (678, 19642), (736, 19804), (742, 19831), (751, 19861), (780, 19966), (815, 20044), (822, 20080), (824, 20089), (833, 20122), (838, 20137),

Gene: Patio_44 Start: 30694, Stop: 32316, Start Num: 194

Candidate Starts for Patio_44:

(Start: 194 @30694 has 87 MA's), (243, 30811), (272, 30889), (351, 31051), (353, 31063), (359, 31078), (401, 31144), (405, 31159), (457, 31270), (469, 31300), (470, 31303), (499, 31360), (519, 31408), (532, 31432), (570, 31537), (604, 31624), (622, 31672), (669, 31798), (670, 31801), (683, 31834), (699, 31861), (713, 31891), (751, 32020), (760, 32059), (799, 32164), (820, 32227), (822, 32239), (825, 32251), (827, 32260), (838, 32296),

Gene: Patt_24 Start: 18364, Stop: 20151, Start Num: 79

Candidate Starts for Patt_24:

(Start: 62 @18325 has 1 MA's), (Start: 75 @18355 has 25 MA's), (Start: 78 @18361 has 41 MA's), (Start: 79 @18364 has 139 MA's), (129, 18421), (154, 18469), (Start: 175 @18508 has 47 MA's), (179, 18523), (184, 18541), (Start: 196 @18574 has 7 MA's), (210, 18604), (227, 18649), (234, 18667), (266, 18739), (Start: 268 @18745 has 11 MA's), (283, 18775), (286, 18778), (306, 18841), (310, 18853), (373, 18988), (395, 19036), (399, 19042), (405, 19060), (418, 19090), (434, 19129), (515, 19255), (541, 19315), (542, 19318), (555, 19351), (612, 19519), (630, 19573), (645, 19618), (668, 19663), (681, 19687), (693, 19720), (706, 19753), (718, 19762), (742, 19825), (745, 19837), (759, 19888), (760, 19894), (798, 19996), (834, 20122), (843, 20143),

Gene: PattyP_29 Start: 21382, Stop: 23184, Start Num: 109

Candidate Starts for PattyP_29:

(Start: 109 @21382 has 207 MA's), (Start: 124 @21403 has 4 MA's), (Start: 146 @21445 has 1 MA's), (171, 21490), (264, 21706), (283, 21751), (289, 21760), (301, 21799), (321, 21850), (322, 21853), (413, 22048), (449, 22117), (549, 22318), (551, 22321), (556, 22342), (596, 22438), (597, 22441), (599, 22447), (623, 22516), (628, 22534), (630, 22543), (639, 22573), (681, 22669), (693, 22702), (698, 22717), (745, 22858), (760, 22915), (794, 23026),

Gene: Pawn_29 Start: 20460, Stop: 22256, Start Num: 108

Candidate Starts for Pawn_29:

(Start: 108 @20460 has 545 MA's), (Start: 146 @20517 has 1 MA's), (154, 20532), (179, 20586), (Start: 183 @20601 has 1 MA's), (227, 20688), (232, 20700), (233, 20703), (264, 20778), (Start: 268 @20793 has 11 MA's), (373, 21036), (449, 21189), (495, 21276), (540, 21369), (549, 21390), (556, 21414), (559, 21426), (563, 21432), (597, 21513), (623, 21588), (628, 21606), (630, 21615), (637, 21639), (639, 21645), (645, 21660), (653, 21684), (680, 21738), (681, 21741), (689, 21762), (792, 22092), (794, 22098), (833, 22233),

Gene: Payneful_27 Start: 20630, Stop: 22432, Start Num: 109

Candidate Starts for Payneful_27:

(Start: 109 @20630 has 207 MA's), (Start: 124 @20651 has 4 MA's), (Start: 146 @20693 has 1 MA's), (171, 20738), (264, 20954), (283, 20999), (289, 21008), (301, 21047), (321, 21098), (322, 21101), (413, 21296), (449, 21365), (549, 21566), (551, 21569), (556, 21590), (596, 21686), (597, 21689), (599, 21695), (623, 21764), (628, 21782), (630, 21791), (639, 21821), (681, 21917), (693, 21950), (698, 21965), (745, 22106), (760, 22163), (794, 22274),

Gene: PeaceMeal1_26 Start: 17890, Stop: 19668, Start Num: 108

Candidate Starts for PeaceMeal1_26:

(Start: 90 @17866 has 8 MA's), (Start: 108 @17890 has 545 MA's), (Start: 146 @17947 has 1 MA's), (154, 17962), (179, 18016), (232, 18130), (233, 18133), (264, 18208), (279, 18247), (338, 18379), (373, 18466), (410, 18541), (430, 18580), (449, 18619), (495, 18706), (522, 18751), (549, 18820), (556, 18844), (559, 18856), (563, 18862), (628, 19036), (630, 19045), (637, 19069), (639, 19075), (645, 19090), (669, 19123), (689, 19174), (713, 19231), (714, 19237), (760, 19399), (792, 19504), (794, 19510), (795, 19519), (833, 19645),

Gene: Peaches_27 Start: 19826, Stop: 21604, Start Num: 108

Candidate Starts for Peaches_27:

(Start: 90 @19802 has 8 MA's), (Start: 108 @19826 has 545 MA's), (Start: 146 @19883 has 1 MA's), (Start: 175 @19937 has 47 MA's), (179, 19952), (184, 19970), (227, 20054), (232, 20066), (233, 20069), (264, 20144), (Start: 268 @20159 has 11 MA's), (289, 20198), (338, 20315), (373, 20402), (412, 20483), (435, 20531), (449, 20555), (495, 20642), (522, 20687), (551, 20759), (556, 20780), (563, 20798), (597, 20879), (628, 20972), (630, 20981), (637, 21005), (639, 21011), (647, 21035), (681, 21089), (689, 21110), (710, 21161), (719, 21185), (736, 21239), (760, 21335), (792, 21440), (795, 21455), (828, 21563), (833, 21581),

Gene: Peanam_23 Start: 16514, Stop: 18280, Start Num: 79

Candidate Starts for Peanam_23:

(Start: 75 @16505 has 25 MA's), (Start: 79 @16514 has 139 MA's), (Start: 81 @16520 has 15 MA's), (101, 16544), (129, 16583), (Start: 175 @16670 has 47 MA's), (179, 16685), (184, 16703), (Start: 196 @16736 has 7 MA's), (210, 16766), (266, 16901), (283, 16937), (310, 17015), (315, 17024), (363, 17129), (365, 17132), (384, 17171), (395, 17198), (399, 17204), (412, 17246), (418, 17252), (430, 17279), (515, 17417), (525, 17435), (558, 17525), (573, 17552), (586, 17585), (612, 17657), (630, 17711), (641, 17747), (649, 17771), (681, 17816), (693, 17849), (698, 17864), (706, 17882), (718, 17891), (745, 17966), (759, 18017), (760, 18023), (798, 18125), (834, 18251), (835, 18254), (843, 18272),

Gene: Peeb_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Peeb_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (154, 16739), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Peel_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Peel_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759,

18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: Pelly_28 Start: 21801, Stop: 23603, Start Num: 109

Candidate Starts for Pelly_28:

(Start: 109 @21801 has 207 MA's), (Start: 124 @21822 has 4 MA's), (Start: 146 @21864 has 1 MA's), (171, 21909), (264, 22125), (283, 22170), (289, 22179), (301, 22218), (321, 22269), (322, 22272), (413, 22467), (449, 22536), (549, 22737), (551, 22740), (556, 22761), (596, 22857), (597, 22860), (599, 22866), (623, 22935), (628, 22953), (630, 22962), (639, 22992), (681, 23088), (693, 23121), (698, 23136), (713, 23166), (745, 23277), (760, 23334), (794, 23445),

Gene: Pembroke_29 Start: 20380, Stop: 22176, Start Num: 108

Candidate Starts for Pembroke_29:

(Start: 108 @20380 has 545 MA's), (Start: 146 @20437 has 1 MA's), (154, 20452), (173, 20485), (179, 20506), (Start: 183 @20521 has 1 MA's), (227, 20608), (232, 20620), (233, 20623), (264, 20698), (Start: 268 @20713 has 11 MA's), (288, 20749), (373, 20956), (430, 21070), (449, 21109), (495, 21196), (549, 21310), (556, 21334), (563, 21352), (597, 21433), (623, 21508), (628, 21526), (637, 21559), (639, 21565), (653, 21604), (680, 21658), (681, 21661), (689, 21682), (713, 21739), (760, 21907), (792, 22012), (794, 22018), (833, 22153),

Gene: Penny1_29 Start: 20379, Stop: 22175, Start Num: 108

Candidate Starts for Penny1_29:

(Start: 108 @20379 has 545 MA's), (Start: 146 @20436 has 1 MA's), (154, 20451), (173, 20484), (179, 20505), (Start: 183 @20520 has 1 MA's), (227, 20607), (232, 20619), (233, 20622), (264, 20697), (Start: 268 @20712 has 11 MA's), (288, 20748), (373, 20955), (430, 21069), (449, 21108), (495, 21195), (549, 21309), (556, 21333), (563, 21351), (597, 21432), (623, 21507), (628, 21525), (637, 21558), (639, 21564), (653, 21603), (680, 21657), (681, 21660), (689, 21681), (713, 21738), (760, 21906), (792, 22011), (794, 22017), (833, 22152),

Gene: Pepe_28 Start: 21983, Stop: 23785, Start Num: 109

Candidate Starts for Pepe_28:

(Start: 109 @21983 has 207 MA's), (Start: 124 @22004 has 4 MA's), (Start: 146 @22046 has 1 MA's), (171, 22091), (264, 22307), (283, 22352), (289, 22361), (301, 22400), (321, 22451), (322, 22454), (413, 22649), (449, 22718), (549, 22919), (551, 22922), (556, 22943), (596, 23039), (597, 23042), (599, 23048), (623, 23117), (628, 23135), (630, 23144), (639, 23174), (681, 23270), (693, 23303), (698, 23318), (745, 23459), (760, 23516), (794, 23627),

Gene: Pepperoni_17 Start: 15014, Stop: 16723, Start Num: 195

Candidate Starts for Pepperoni_17:

(140, 14879), (Start: 195 @15014 has 39 MA's), (269, 15203), (270, 15206), (301, 15281), (328, 15335), (359, 15404), (405, 15494), (406, 15497), (462, 15629), (487, 15683), (516, 15764), (541, 15824), (543, 15830), (574, 15911), (604, 15989), (610, 16007), (625, 16046), (647, 16118), (648, 16121), (655, 16142), (742, 16376), (746, 16391), (757, 16433), (785, 16526), (787, 16529), (797, 16577), (810, 16607),

Gene: Periodt_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Periodt_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Perplexer_27 Start: 19823, Stop: 21622, Start Num: 108

Candidate Starts for Perplexer_27:

(Start: 90 @19799 has 8 MA's), (Start: 108 @19823 has 545 MA's), (Start: 112 @19829 has 3 MA's), (Start: 146 @19883 has 1 MA's), (179, 19952), (208, 20030), (227, 20054), (233, 20069), (247, 20105), (264, 20144), (Start: 268 @20159 has 11 MA's), (322, 20291), (338, 20315), (373, 20402), (430, 20516), (449, 20555), (495, 20642), (522, 20687), (549, 20756), (556, 20780), (559, 20792), (597, 20879), (623, 20954), (628, 20972), (630, 20981), (637, 21005), (639, 21011), (645, 21026), (662, 21059), (680, 21104), (681, 21107), (689, 21128), (760, 21353), (784, 21431), (792, 21458), (794, 21464), (833, 21599),

Gene: Perseus_28 Start: 21723, Stop: 23525, Start Num: 109

Candidate Starts for Perseus_28:

(Start: 109 @21723 has 207 MA's), (Start: 124 @21744 has 4 MA's), (Start: 146 @21786 has 1 MA's), (171, 21831), (264, 22047), (283, 22092), (289, 22101), (301, 22140), (321, 22191), (322, 22194), (356, 22263), (413, 22389), (449, 22458), (549, 22659), (551, 22662), (556, 22683), (596, 22779), (597, 22782), (599, 22788), (623, 22857), (628, 22875), (630, 22884), (639, 22914), (681, 23010), (693, 23043), (698, 23058), (745, 23199), (760, 23256), (794, 23367), (840, 23520),

Gene: PeterPeter_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for PeterPeter_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (306, 20256), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Petersenfast_27 Start: 20752, Stop: 22551, Start Num: 108

Candidate Starts for Petersenfast_27:

(65, 20686), (Start: 90 @20728 has 8 MA's), (Start: 108 @20752 has 545 MA's), (141, 20794), (184, 20890), (189, 20905), (232, 20986), (233, 20989), (264, 21064), (Start: 268 @21079 has 11 MA's), (289, 21118), (292, 21124), (306, 21175), (338, 21235), (341, 21241), (373, 21322), (413, 21406), (472, 21532), (485, 21550), (507, 21577), (563, 21718), (592, 21784), (596, 21796), (597, 21799), (662, 21988), (674, 22015), (678, 22024), (683, 22045), (685, 22048), (693, 22069), (698, 22084), (710, 22108), (735, 22183), (738, 22198), (760, 22282), (792, 22387), (794, 22393), (813, 22447), (840, 22546),

Gene: Peterson_30 Start: 23011, Stop: 24813, Start Num: 109

Candidate Starts for Peterson_30:

(Start: 109 @23011 has 207 MA's), (Start: 124 @23032 has 4 MA's), (Start: 146 @23074 has 1 MA's), (171, 23119), (264, 23335), (283, 23380), (289, 23389), (301, 23428), (321, 23479), (322, 23482), (338, 23506), (413, 23677), (449, 23746), (545, 23935), (549, 23947), (551, 23950), (556, 23971), (596, 24067), (597, 24070), (599, 24076), (623, 24145), (628, 24163), (630, 24172), (639, 24202), (681, 24298), (693, 24331), (698, 24346), (745, 24487), (760, 24544), (794, 24655), (840, 24808),

Gene: PeteyPab_33 Start: 29327, Stop: 30925, Start Num: 195

Candidate Starts for PeteyPab_33:

(Start: 195 @29327 has 39 MA's), (246, 29426), (272, 29495), (292, 29534), (350, 29669), (371, 29729), (460, 29882), (464, 29894), (467, 29903), (469, 29906), (493, 29951), (499, 29966), (502, 29975), (505, 29984), (532, 30038), (538, 30056), (563, 30110), (635, 30326), (677, 30419), (724, 30527), (738, 30581), (758, 30656), (801, 30785), (837, 30911),

Gene: PetiteSangsue_27 Start: 19826, Stop: 21625, Start Num: 108

Candidate Starts for PetiteSangsue_27:

(Start: 90 @19802 has 8 MA's), (Start: 108 @19826 has 545 MA's), (Start: 112 @19832 has 3 MA's), (Start: 146 @19886 has 1 MA's), (179, 19955), (227, 20057), (233, 20072), (247, 20108), (264, 20147), (Start: 268 @20162 has 11 MA's), (289, 20201), (322, 20294), (338, 20318), (373, 20405), (430, 20519), (449, 20558), (495, 20645), (522, 20690), (549, 20759), (556, 20783), (559, 20795), (597, 20882), (623, 20957), (628, 20975), (630, 20984), (637, 21008), (639, 21014), (645, 21029), (662, 21062), (680, 21107), (681, 21110), (689, 21131), (760, 21356), (784, 21434), (792, 21461), (794, 21467), (833, 21602),

Gene: Petp2012_29 Start: 22053, Stop: 23855, Start Num: 109

Candidate Starts for Petp2012_29:

(Start: 109 @22053 has 207 MA's), (Start: 124 @22074 has 4 MA's), (Start: 146 @22116 has 1 MA's), (171, 22161), (264, 22377), (283, 22422), (289, 22431), (301, 22470), (321, 22521), (322, 22524), (413, 22719), (449, 22788), (549, 22989), (551, 22992), (556, 23013), (596, 23109), (597, 23112), (599, 23118), (623, 23187), (628, 23205), (630, 23214), (639, 23244), (681, 23340), (693, 23373), (698, 23388), (745, 23529), (760, 23586), (794, 23697),

Gene: Petra_21 Start: 17051, Stop: 18697, Start Num: 175

Candidate Starts for Petra_21:

(156, 17015), (Start: 175 @17051 has 47 MA's), (213, 17153), (253, 17231), (280, 17303), (294, 17330), (304, 17369), (336, 17429), (345, 17450), (364, 17504), (370, 17519), (401, 17552), (415, 17600), (416, 17603), (456, 17690), (466, 17720), (549, 17903), (556, 17927), (584, 18011), (604, 18071), (608, 18083), (661, 18143), (713, 18278), (742, 18377), (747, 18395), (760, 18446), (778, 18506), (780, 18512), (808, 18575), (813, 18587),

Gene: Petra64142_26 Start: 20290, Stop: 21885, Start Num: 147

Candidate Starts for Petra64142_26:

(Start: 94 @20206 has 79 MA's), (Start: 147 @20290 has 45 MA's), (Start: 183 @20368 has 1 MA's), (227, 20455), (233, 20470), (257, 20518), (271, 20557), (306, 20644), (321, 20677), (342, 20713), (354, 20743), (356, 20749), (400, 20818), (424, 20848), (428, 20860), (429, 20863), (456, 20920), (517, 21052), (520, 21058), (547, 21124), (549, 21130), (556, 21154), (573, 21202), (584, 21226), (589, 21235), (616, 21310), (671, 21361), (678, 21376), (736, 21538), (742, 21565), (751, 21595), (780, 21700), (815, 21778), (822, 21814), (824, 21823), (833, 21856), (838, 21871),

Gene: Petruccio_28 Start: 21511, Stop: 23313, Start Num: 109

Candidate Starts for Petruccio_28:

(Start: 109 @21511 has 207 MA's), (Start: 124 @21532 has 4 MA's), (Start: 146 @21574 has 1 MA's), (171, 21619), (264, 21835), (283, 21880), (289, 21889), (301, 21928), (321, 21979), (322, 21982), (413, 22177), (449, 22246), (549, 22447), (551, 22450), (556, 22471), (596, 22567), (597, 22570), (623, 22645), (628, 22663), (630, 22672), (639, 22702), (681, 22798), (693, 22831), (698, 22846), (713, 22876), (745, 22987), (760, 23044), (794, 23155),

Gene: PetteN_25 Start: 18946, Stop: 20745, Start Num: 108

Candidate Starts for PetteN_25:

(Start: 108 @18946 has 545 MA's), (233, 19183), (264, 19258), (Start: 268 @19273 has 11 MA's), (288, 19309), (310, 19381), (318, 19396), (338, 19429), (341, 19435), (430, 19630), (441, 19660), (446, 19666), (495, 19756), (522, 19801), (549, 19870), (563, 19912), (569, 19930), (596, 19990), (597, 19993), (628, 20086), (680, 20227), (693, 20263), (695, 20269), (791, 20578), (794, 20587), (833, 20722),

Gene: Ph8s_29 Start: 18919, Stop: 20709, Start Num: 108

Candidate Starts for Ph8s_29:

(65, 18853), (Start: 90 @18895 has 8 MA's), (Start: 108 @18919 has 545 MA's), (143, 18964), (151, 18979), (189, 19072), (232, 19153), (233, 19156), (262, 19228), (264, 19231), (Start: 268 @19246 has 11 MA's), (289, 19285), (292, 19291), (338, 19402), (341, 19408), (352, 19435), (373, 19489), (412, 19570), (495, 19729), (513, 19759), (553, 19852), (563, 19885), (583, 19936), (597, 19966), (637, 20092), (674, 20173), (678, 20182), (693, 20227), (698, 20242), (710, 20266), (735, 20341), (736, 20344), (738, 20356), (760, 20440), (792, 20545), (813, 20605), (833, 20686),

Gene: Phacado_27 Start: 19826, Stop: 21604, Start Num: 108

Candidate Starts for Phacado_27:

(Start: 90 @19802 has 8 MA's), (Start: 108 @19826 has 545 MA's), (Start: 146 @19883 has 1 MA's), (Start: 175 @19937 has 47 MA's), (179, 19952), (184, 19970), (227, 20054), (232, 20066), (233, 20069), (264, 20144), (Start: 268 @20159 has 11 MA's), (289, 20198), (338, 20315), (373, 20402), (412, 20483), (435, 20531), (449, 20555), (495, 20642), (522, 20687), (551, 20759), (556, 20780), (563, 20798), (597, 20879), (628, 20972), (630, 20981), (637, 21005), (639, 21011), (647, 21035), (681, 21089), (689, 21110), (710, 21161), (719, 21185), (736, 21239), (760, 21335), (792, 21440), (795, 21455), (828, 21563), (833, 21581),

Gene: Phaded_31 Start: 22135, Stop: 23907, Start Num: 108

Candidate Starts for Phaded_31:

(Start: 90 @22111 has 8 MA's), (Start: 108 @22135 has 545 MA's), (Start: 183 @22270 has 1 MA's), (189, 22288), (232, 22369), (233, 22372), (262, 22444), (264, 22447), (306, 22558), (318, 22585), (338, 22618), (356, 22663), (373, 22705), (413, 22789), (495, 22945), (515, 22978), (592, 23167), (597, 23182), (637, 23308), (639, 23314), (693, 23425), (698, 23440), (701, 23446), (710, 23464), (724, 23500), (735, 23539), (738, 23554), (760, 23638), (792, 23743), (794, 23749), (798, 23767), (809, 23794),

Gene: Phaeder_30 Start: 21746, Stop: 23539, Start Num: 105

Candidate Starts for Phaeder_30:

(Start: 105 @21746 has 8 MA's), (Start: 108 @21749 has 545 MA's), (232, 21983), (233, 21986), (262, 22058), (264, 22061), (Start: 268 @22076 has 11 MA's), (289, 22115), (292, 22121), (338, 22232), (373, 22319), (412, 22400), (413, 22403), (513, 22589), (540, 22652), (551, 22676), (553, 22682), (563, 22715), (597, 22796), (637, 22922), (651, 22964), (653, 22967), (681, 23024), (693, 23057), (698, 23072), (735, 23171), (736, 23174), (738, 23186), (760, 23270), (780, 23336), (792, 23375), (794, 23381), (809, 23426), (824, 23483), (825, 23486),

Gene: PhailMary_22 Start: 16671, Stop: 18296, Start Num: 130

Candidate Starts for PhailMary_22:

(Start: 120 @16656 has 4 MA's), (Start: 130 @16671 has 32 MA's), (169, 16740), (181, 16776), (264, 16962), (313, 17091), (338, 17133), (347, 17151), (351, 17160), (358, 17184), (365, 17202), (392, 17232), (395, 17247), (397, 17250), (410, 17289), (413, 17298), (456, 17382), (513, 17436), (522, 17451), (540, 17499), (551, 17523), (596, 17637), (623, 17715), (633, 17754), (637, 17766), (640, 17775), (669, 17796), (698, 17874), (757, 18021), (788, 18120), (792, 18135), (838, 18288),

Gene: Phaja_24 Start: 20006, Stop: 21601, Start Num: 147

Candidate Starts for Phaja_24:

(Start: 94 @19922 has 79 MA's), (Start: 147 @20006 has 45 MA's), (Start: 183 @20084 has 1 MA's), (227, 20171), (233, 20186), (257, 20234), (271, 20273), (306, 20360), (321, 20393), (342, 20429), (354, 20459), (356, 20465), (400, 20534), (424, 20564), (428, 20576), (429, 20579), (456, 20636), (517, 20768), (520, 20774), (547, 20840), (549, 20846), (556, 20870), (573, 20918), (584, 20942), (589, 20951), (616, 21026), (671, 21077), (678, 21092), (736, 21254), (742, 21281), (751, 21311), (780, 21416), (815, 21494), (822, 21530), (824, 21539), (833, 21572), (838, 21587),

Gene: Phalconet_16 Start: 14857, Stop: 16566, Start Num: 87

Candidate Starts for Phalconet_16:

(Start: 87 @14857 has 207 MA's), (150, 14944), (Start: 175 @14989 has 47 MA's), (182, 15013), (230, 15118), (233, 15124), (242, 15142), (257, 15172), (300, 15277), (323, 15337), (338, 15358), (342, 15367), (352, 15391), (420, 15517), (427, 15532), (429, 15538), (445, 15574), (448, 15577), (455, 15589), (456, 15595), (474, 15643), (480, 15655), (484, 15661), (515, 15721), (522, 15733), (538, 15769), (541, 15781), (571, 15856), (573, 15865), (581, 15883), (584, 15889), (596, 15919), (667, 16024), (671, 16033), (673, 16036), (687, 16072), (716, 16150), (744, 16249), (751, 16270), (759, 16303), (776, 16363), (779, 16372), (781, 16378), (792, 16393), (793, 16396), (800, 16420), (813, 16450), (817, 16462), (822, 16492), (833, 16534),

Gene: Phalm_19 Start: 16273, Stop: 18009, Start Num: 82

Candidate Starts for Phalm_19:

(Start: 71 @16249 has 2 MA's), (Start: 82 @16273 has 44 MA's), (128, 16333), (136, 16354), (138, 16357), (Start: 195 @16477 has 39 MA's), (213, 16516), (232, 16549), (244, 16573), (296, 16693), (306, 16732), (309, 16738), (351, 16822), (352, 16828), (356, 16840), (365, 16864), (379, 16891), (400, 16909), (417, 16948), (420, 16954), (430, 16978), (456, 17032), (461, 17044), (463, 17053), (490, 17113), (526, 17191), (541, 17230), (554, 17263), (573, 17329), (584, 17353), (594, 17377), (605, 17407), (682, 17521), (689, 17533), (692, 17542), (695, 17551), (734, 17659), (755, 17743), (787, 17842), (824, 17950), (838, 17998),

Gene: PhancyPhin_18 Start: 14990, Stop: 16699, Start Num: 91

Candidate Starts for PhancyPhin_18:

(Start: 91 @14990 has 42 MA's), (115, 15017), (136, 15056), (Start: 175 @15122 has 47 MA's), (178, 15134), (190, 15170), (199, 15194), (213, 15221), (227, 15242), (230, 15251), (233, 15257), (251, 15290), (320, 15464), (323, 15470), (329, 15479), (337, 15488), (342, 15500), (352, 15524), (368, 15566), (396, 15599), (420, 15650), (422, 15653), (427, 15665), (445, 15707), (455, 15722), (456, 15728), (474, 15776), (497, 15830), (515, 15854), (546, 15926), (564, 15980), (571, 15989), (573, 15998), (584, 16022), (595, 16049), (596, 16052), (667, 16157), (671, 16166), (687, 16205), (717, 16286), (735, 16343), (744, 16382), (776, 16496), (792, 16526), (793, 16529), (800, 16553), (815, 16589),

Gene: Phanphagia_16 Start: 14859, Stop: 16568, Start Num: 87

Candidate Starts for Phanphagia_16:

(Start: 87 @14859 has 207 MA's), (150, 14946), (Start: 175 @14991 has 47 MA's), (182, 15015), (230, 15120), (233, 15126), (242, 15144), (257, 15174), (300, 15279), (323, 15339), (338, 15360), (342, 15369), (352, 15393), (396, 15468), (398, 15471), (420, 15519), (427, 15534), (429, 15540), (445, 15576), (448, 15579), (455, 15591), (456, 15597), (474, 15645), (480, 15657), (484, 15663), (515, 15723), (522, 15735), (538, 15771), (541, 15783), (571, 15858), (573, 15867), (581, 15885), (584, 15891), (596, 15921), (667, 16026), (671, 16035), (673, 16038), (687, 16074), (716, 16152), (744, 16251), (751, 16272), (759, 16305), (768, 16335), (776, 16365), (779, 16374), (781, 16380), (792, 16395), (793, 16398), (800, 16422), (813, 16452), (817, 16464), (822, 16494), (833, 16536),

Gene: Phantastic_27 Start: 19872, Stop: 21668, Start Num: 108

Candidate Starts for Phantastic_27:

(Start: 108 @19872 has 545 MA's), (Start: 146 @19929 has 1 MA's), (179, 19998), (227, 20100), (232, 20112), (233, 20115), (264, 20190), (289, 20244), (347, 20379), (373, 20448), (430, 20562), (495, 20688), (549, 20802), (556, 20826), (563, 20844), (597, 20925), (623, 21000), (628, 21018), (630, 21027), (639, 21057), (645, 21072), (653, 21096), (662, 21105), (680, 21150), (681, 21153), (689, 21174), (693, 21186), (760, 21399), (768, 21423), (792, 21504), (794, 21510), (833, 21645),

Gene: Pharaoh_28 Start: 21256, Stop: 23046, Start Num: 108

Candidate Starts for Pharaoh_28:

(Start: 90 @21232 has 8 MA's), (Start: 108 @21256 has 545 MA's), (189, 21409), (192, 21412), (232, 21490), (233, 21493), (244, 21523), (262, 21565), (264, 21568), (Start: 268 @21583 has 11 MA's), (289, 21622), (292, 21628), (306, 21679), (338, 21739), (352, 21772), (373, 21826), (412, 21907), (413, 21910), (485, 22054), (513, 22096), (563, 22222), (597, 22303), (637, 22429), (651, 22471), (681, 22531), (693, 22564), (698, 22579), (701, 22585), (724, 22639), (735, 22678), (738, 22693), (760, 22777), (794, 22888), (809, 22933), (833, 23023),

Gene: Pharb_22 Start: 17427, Stop: 19190, Start Num: 79

Candidate Starts for Pharb_22:

(Start: 75 @17418 has 25 MA's), (Start: 78 @17424 has 41 MA's), (Start: 79 @17427 has 139 MA's), (Start: 97 @17439 has 44 MA's), (153, 17529), (179, 17586), (Start: 196 @17637 has 7 MA's), (210, 17667), (219, 17691), (315, 17931), (321, 17943), (365, 18039), (393, 18093), (399, 18111), (418, 18159), (434, 18198), (454, 18234), (541, 18384), (542, 18387), (554, 18417), (577, 18474), (612, 18567), (630, 18621), (647, 18675), (675, 18705), (681, 18723), (698, 18771), (709, 18795), (729, 18822), (747, 18879), (759, 18924), (795, 19026), (824, 19122), (830, 19143), (834, 19161), (836, 19167), (843, 19182),

Gene: Pharsalus_25 Start: 20526, Stop: 22205, Start Num: 94

Candidate Starts for Pharsalus_25:

(Start: 94 @20526 has 79 MA's), (Start: 147 @20610 has 45 MA's), (Start: 183 @20688 has 1 MA's), (227, 20775), (233, 20790), (257, 20838), (271, 20877), (306, 20964), (321, 20997), (342, 21033), (354, 21063), (356, 21069), (400, 21138), (424, 21168), (428, 21180), (429, 21183), (456, 21240), (517, 21372), (520, 21378), (547, 21444), (549, 21450), (556, 21474), (573, 21522), (584, 21546), (589, 21555), (616, 21630), (671, 21681), (678, 21696), (736, 21858), (742, 21885), (751, 21915), (780, 22020), (815, 22098), (822, 22134), (824, 22143), (833, 22176), (838, 22191),

Gene: Phasih_17 Start: 15342, Stop: 17051, Start Num: 87

Candidate Starts for Phasih_17:

(Start: 87 @15342 has 207 MA's), (150, 15429), (Start: 175 @15474 has 47 MA's), (182, 15498), (230, 15603), (233, 15609), (242, 15627), (257, 15657), (300, 15762), (320, 15816), (323, 15822), (329, 15831), (338, 15843), (342, 15852), (352, 15876), (365, 15912), (368, 15918), (374, 15930), (396, 15951), (398, 15954), (402, 15963), (408, 15978), (410, 15984), (420, 16002), (427, 16017), (429, 16023), (435, 16041), (436, 16044), (445, 16059), (455, 16074), (456, 16080), (466, 16110), (474, 16128), (480, 16140), (484, 16146), (515, 16206), (522, 16218), (538, 16254), (541, 16266), (549, 16287), (571, 16341), (573, 16350), (584, 16374), (596, 16404), (667, 16509), (673, 16521), (687, 16557), (701, 16596), (716, 16635), (744, 16734), (751, 16755), (759, 16788), (768, 16818), (776, 16848), (779, 16857), (781, 16863), (792, 16878), (793, 16881), (798, 16902), (800, 16905), (817, 16947), (822, 16977), (833, 17019), (834, 17025),

Gene: PhatBacter_24 Start: 19774, Stop: 21453, Start Num: 94

Candidate Starts for PhatBacter_24:

(Start: 94 @19774 has 79 MA's), (Start: 147 @19858 has 45 MA's), (Start: 183 @19936 has 1 MA's), (227, 20023), (233, 20038), (257, 20086), (271, 20125), (306, 20212), (321, 20245), (342, 20281), (354, 20311), (356, 20317), (400, 20386), (424, 20416), (428, 20428), (429, 20431), (456, 20488), (517, 20620), (520, 20626), (547, 20692), (549, 20698), (556, 20722), (573, 20770), (584, 20794), (589, 20803), (616, 20878), (671, 20929), (678, 20944), (736, 21106), (742, 21133), (751, 21163), (780, 21268), (815, 21346), (822, 21382), (824, 21391), (833, 21424), (838, 21439),

Gene: Phatniss_17 Start: 15310, Stop: 17019, Start Num: 87

Candidate Starts for Phatniss_17:

(Start: 87 @15310 has 207 MA's), (150, 15397), (Start: 175 @15442 has 47 MA's), (182, 15466), (203, 15523), (230, 15571), (233, 15577), (242, 15595), (257, 15625), (300, 15730), (320, 15784), (323, 15790), (329, 15799), (338, 15811), (342, 15820), (352, 15844), (365, 15880), (368, 15886), (374,

15898), (396, 15919), (398, 15922), (402, 15931), (408, 15946), (410, 15952), (420, 15970), (427, 15985), (429, 15991), (435, 16009), (436, 16012), (445, 16027), (455, 16042), (456, 16048), (466, 16078), (474, 16096), (480, 16108), (484, 16114), (515, 16174), (522, 16186), (538, 16222), (541, 16234), (549, 16255), (571, 16309), (573, 16318), (584, 16342), (596, 16372), (667, 16477), (673, 16489), (687, 16525), (701, 16564), (716, 16603), (744, 16702), (751, 16723), (759, 16756), (768, 16786), (776, 16816), (779, 16825), (781, 16831), (792, 16846), (793, 16849), (798, 16870), (800, 16873), (817, 16915), (822, 16945), (833, 16987), (834, 16993),

Gene: Phauci_26 Start: 25726, Stop: 27351, Start Num: 123

Candidate Starts for Phauci_26:

(Start: 123 @25726 has 17 MA's), (131, 25738), (Start: 147 @25771 has 45 MA's), (Start: 152 @25780 has 2 MA's), (159, 25792), (Start: 175 @25822 has 47 MA's), (227, 25939), (232, 25951), (265, 26026), (292, 26086), (300, 26116), (430, 26323), (443, 26353), (463, 26398), (490, 26458), (515, 26506), (546, 26578), (557, 26611), (558, 26614), (575, 26653), (593, 26692), (622, 26779), (623, 26782), (688, 26860), (712, 26920), (727, 26965), (747, 27046), (761, 27100), (795, 27196), (833, 27325), (838, 27340),

Gene: Phaux_23 Start: 19772, Stop: 21451, Start Num: 94

Candidate Starts for Phaux_23:

(Start: 94 @19772 has 79 MA's), (Start: 147 @19856 has 45 MA's), (Start: 183 @19934 has 1 MA's), (227, 20021), (233, 20036), (257, 20084), (271, 20123), (306, 20210), (321, 20243), (342, 20279), (354, 20309), (356, 20315), (400, 20384), (424, 20414), (428, 20426), (429, 20429), (456, 20486), (517, 20618), (520, 20624), (547, 20690), (549, 20696), (556, 20720), (573, 20768), (584, 20792), (589, 20801), (616, 20876), (671, 20927), (678, 20942), (736, 21104), (742, 21131), (751, 21161), (780, 21266), (815, 21344), (822, 21380), (824, 21389), (833, 21422), (838, 21437),

Gene: Phayonce_18 Start: 16079, Stop: 17815, Start Num: 82

Candidate Starts for Phayonce_18:

(Start: 82 @16079 has 44 MA's), (136, 16160), (138, 16163), (170, 16214), (171, 16217), (Start: 175 @16226 has 47 MA's), (Start: 195 @16283 has 39 MA's), (213, 16322), (227, 16343), (232, 16355), (242, 16376), (244, 16379), (247, 16385), (296, 16499), (306, 16538), (309, 16544), (360, 16658), (396, 16709), (400, 16715), (417, 16754), (420, 16760), (430, 16784), (456, 16838), (461, 16850), (463, 16859), (490, 16919), (526, 16997), (541, 17036), (573, 17135), (584, 17159), (594, 17183), (605, 17213), (682, 17327), (689, 17339), (692, 17348), (695, 17357), (734, 17465), (775, 17618), (787, 17648), (833, 17789), (838, 17804),

Gene: Phegasus_19 Start: 16391, Stop: 18127, Start Num: 82

Candidate Starts for Phegasus_19:

(Start: 82 @16391 has 44 MA's), (136, 16472), (138, 16475), (170, 16526), (193, 16589), (Start: 195 @16595 has 39 MA's), (213, 16634), (232, 16667), (244, 16691), (296, 16811), (299, 16826), (306, 16850), (309, 16856), (351, 16940), (365, 16982), (396, 17021), (400, 17027), (417, 17066), (420, 17072), (430, 17096), (456, 17150), (463, 17171), (490, 17231), (526, 17309), (541, 17348), (554, 17381), (573, 17447), (584, 17471), (594, 17495), (605, 17525), (610, 17537), (682, 17639), (689, 17651), (691, 17654), (692, 17660), (695, 17669), (734, 17777), (755, 17861), (787, 17960), (813, 18017), (824, 18068), (838, 18116),

Gene: Phelipe_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Phelipe_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036),

(681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: PhelpsODU_22 Start: 16372, Stop: 18138, Start Num: 79

Candidate Starts for PhelpsODU_22:

(Start: 75 @16363 has 25 MA's), (Start: 79 @16372 has 139 MA's), (101, 16402), (179, 16543), (184, 16561), (Start: 196 @16594 has 7 MA's), (210, 16624), (227, 16669), (266, 16759), (283, 16795), (315, 16882), (359, 16975), (363, 16987), (365, 16990), (373, 17008), (384, 17029), (393, 17044), (395, 17056), (399, 17062), (412, 17104), (418, 17110), (525, 17293), (548, 17353), (583, 17437), (593, 17455), (612, 17515), (636, 17590), (645, 17614), (681, 17674), (693, 17707), (694, 17710), (701, 17728), (718, 17749), (745, 17824), (759, 17875), (769, 17902), (795, 17974), (815, 18025), (834, 18109), (835, 18112), (843, 18130),

Gene: Phendrix_87 Start: 52198, Stop: 53814, Start Num: 125

Candidate Starts for Phendrix_87:

(Start: 125 @52198 has 11 MA's), (131, 52204), (Start: 175 @52288 has 47 MA's), (199, 52357), (214, 52387), (215, 52390), (233, 52420), (251, 52459), (318, 52630), (334, 52654), (342, 52672), (351, 52690), (359, 52720), (428, 52786), (429, 52789), (443, 52822), (468, 52879), (474, 52894), (475, 52897), (477, 52900), (514, 52972), (522, 52987), (529, 53002), (538, 53023), (542, 53038), (599, 53182), (605, 53203), (610, 53218), (676, 53296), (685, 53323), (688, 53329), (712, 53389), (727, 53434), (742, 53491), (744, 53500), (751, 53521), (760, 53560), (776, 53614), (795, 53659), (798, 53668),

Gene: PherrisBueller_28 Start: 20966, Stop: 22768, Start Num: 109

Candidate Starts for PherrisBueller_28:

(Start: 109 @20966 has 207 MA's), (Start: 124 @20987 has 4 MA's), (Start: 146 @21029 has 1 MA's), (171, 21074), (264, 21290), (283, 21335), (289, 21344), (301, 21383), (321, 21434), (322, 21437), (413, 21632), (449, 21701), (549, 21902), (551, 21905), (556, 21926), (596, 22022), (597, 22025), (599, 22031), (623, 22100), (628, 22118), (630, 22127), (639, 22157), (681, 22253), (693, 22286), (698, 22301), (745, 22442), (760, 22499), (794, 22610), (840, 22763),

Gene: PhesterPhotato_16 Start: 14827, Stop: 16536, Start Num: 87

Candidate Starts for PhesterPhotato_16:

(Start: 87 @14827 has 207 MA's), (150, 14914), (Start: 175 @14959 has 47 MA's), (182, 14983), (230, 15088), (233, 15094), (242, 15112), (257, 15142), (300, 15247), (323, 15307), (338, 15328), (342, 15337), (352, 15361), (420, 15487), (427, 15502), (429, 15508), (445, 15544), (448, 15547), (455, 15559), (456, 15565), (474, 15613), (480, 15625), (484, 15631), (515, 15691), (522, 15703), (538, 15739), (541, 15751), (571, 15826), (573, 15835), (581, 15853), (584, 15859), (596, 15889), (667, 15994), (671, 16003), (673, 16006), (687, 16042), (716, 16120), (744, 16219), (751, 16240), (759, 16273), (768, 16303), (776, 16333), (779, 16342), (781, 16348), (792, 16363), (793, 16366), (800, 16390), (813, 16420), (817, 16432), (822, 16462), (833, 16504),

Gene: Phighter1804_27 Start: 19805, Stop: 21583, Start Num: 108

Candidate Starts for Phighter1804_27:

(Start: 90 @19781 has 8 MA's), (Start: 108 @19805 has 545 MA's), (Start: 146 @19862 has 1 MA's), (Start: 175 @19916 has 47 MA's), (179, 19931), (184, 19949), (227, 20033), (232, 20045), (233, 20048), (264, 20123), (Start: 268 @20138 has 11 MA's), (289, 20177), (338, 20294), (373, 20381), (412, 20462), (435, 20510), (449, 20534), (495, 20621), (522, 20666), (551, 20738), (556, 20759), (563, 20777), (628, 20951), (630, 20960), (637, 20984), (639, 20990), (647, 21014), (681, 21068), (689, 21089), (710, 21140), (719, 21164), (736, 21218), (760, 21314), (792, 21419), (795, 21434), (828, 21542), (833, 21560),

Gene: Phillis_24 Start: 18628, Stop: 20418, Start Num: 108

Candidate Starts for Phillis_24:

(Start: 90 @18604 has 8 MA's), (Start: 108 @18628 has 545 MA's), (170, 18721), (184, 18766), (233, 18865), (247, 18901), (264, 18940), (Start: 268 @18955 has 11 MA's), (288, 18991), (338, 19111), (341, 19117), (399, 19237), (456, 19366), (495, 19438), (549, 19552), (628, 19768), (636, 19798), (637, 19801), (681, 19903), (693, 19936), (698, 19951), (713, 19981), (791, 20251), (794, 20260), (795, 20269), (830, 20383),

Gene: Philonius_18 Start: 14989, Stop: 16698, Start Num: 91

Candidate Starts for Philonius_18:

(Start: 91 @14989 has 42 MA's), (115, 15016), (Start: 175 @15121 has 47 MA's), (178, 15133), (190, 15169), (213, 15220), (230, 15250), (233, 15256), (247, 15283), (251, 15289), (300, 15409), (320, 15463), (323, 15469), (337, 15487), (342, 15499), (343, 15502), (352, 15523), (368, 15565), (396, 15598), (420, 15649), (427, 15664), (445, 15706), (455, 15721), (456, 15727), (474, 15775), (486, 15799), (497, 15829), (515, 15853), (541, 15913), (546, 15925), (564, 15979), (571, 15988), (595, 16048), (596, 16051), (667, 16156), (671, 16165), (687, 16204), (735, 16342), (775, 16492), (776, 16495), (779, 16504), (792, 16525), (800, 16552), (815, 16588), (838, 16681),

Gene: Philus_16 Start: 14812, Stop: 16521, Start Num: 87

Candidate Starts for Philus_16:

(Start: 87 @14812 has 207 MA's), (150, 14899), (Start: 175 @14944 has 47 MA's), (182, 14968), (203, 15025), (230, 15073), (233, 15079), (242, 15097), (257, 15127), (300, 15232), (320, 15286), (323, 15292), (329, 15301), (342, 15322), (352, 15346), (365, 15382), (368, 15388), (396, 15421), (398, 15424), (402, 15433), (408, 15448), (410, 15454), (420, 15472), (427, 15487), (429, 15493), (435, 15511), (436, 15514), (445, 15529), (455, 15544), (456, 15550), (474, 15598), (480, 15610), (484, 15616), (515, 15676), (522, 15688), (538, 15724), (541, 15736), (571, 15811), (573, 15820), (581, 15838), (584, 15844), (596, 15874), (667, 15979), (673, 15991), (687, 16027), (716, 16105), (751, 16225), (759, 16258), (768, 16288), (771, 16300), (776, 16318), (778, 16324), (779, 16327), (781, 16333), (792, 16348), (793, 16351), (798, 16372), (800, 16375), (817, 16417), (822, 16447), (833, 16489), (834, 16495),

Gene: Phinally_33 Start: 29134, Stop: 30759, Start Num: 123

Candidate Starts for Phinally_33:

(Start: 84 @29077 has 1 MA's), (Start: 123 @29134 has 17 MA's), (131, 29146), (Start: 147 @29179 has 45 MA's), (Start: 152 @29188 has 2 MA's), (159, 29200), (Start: 175 @29230 has 47 MA's), (184, 29263), (227, 29347), (232, 29359), (265, 29434), (292, 29494), (300, 29524), (430, 29731), (443, 29761), (462, 29803), (463, 29806), (490, 29866), (515, 29914), (546, 29986), (557, 30019), (558, 30022), (575, 30061), (593, 30100), (622, 30187), (623, 30190), (688, 30268), (712, 30328), (727, 30373), (747, 30454), (761, 30508), (795, 30604), (833, 30733), (838, 30748),

Gene: Phineas_19 Start: 16382, Stop: 18118, Start Num: 82

Candidate Starts for Phineas_19:

(Start: 71 @16358 has 2 MA's), (Start: 82 @16382 has 44 MA's), (128, 16442), (136, 16463), (138, 16466), (Start: 195 @16586 has 39 MA's), (213, 16625), (232, 16658), (244, 16682), (296, 16802), (306, 16841), (309, 16847), (351, 16931), (352, 16937), (356, 16949), (365, 16973), (379, 17000), (400, 17018), (417, 17057), (420, 17063), (430, 17087), (456, 17141), (461, 17153), (463, 17162), (490, 17222), (526, 17300), (541, 17339), (554, 17372), (573, 17438), (578, 17453), (584, 17462), (594, 17486), (605, 17516), (610, 17528), (682, 17630), (689, 17642), (691, 17645), (692, 17651), (695, 17660), (734, 17768), (755, 17852), (787, 17951), (824, 18059), (838, 18107),

Gene: PhinkBoden_48 Start: 29995, Stop: 31686, Start Num: 110

Candidate Starts for PhinkBoden_48:

(Start: 110 @29995 has 14 MA's), (144, 30055), (159, 30088), (176, 30121), (230, 30247), (244, 30280), (249, 30289), (301, 30418), (319, 30466), (456, 30679), (458, 30685), (466, 30709), (529,

30838), (538, 30859), (549, 30892), (616, 31090), (713, 31243), (742, 31342), (745, 31354), (748, 31363), (771, 31447), (823, 31594), (832, 31630), (835, 31642),

Gene: Phish_18 Start: 16640, Stop: 18403, Start Num: 75

Candidate Starts for Phish_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: PhishRPhriends_28 Start: 19644, Stop: 21440, Start Num: 108

Candidate Starts for PhishRPhriends_28:

(Start: 108 @19644 has 545 MA's), (Start: 146 @19701 has 1 MA's), (154, 19716), (179, 19770), (Start: 183 @19785 has 1 MA's), (227, 19872), (232, 19884), (233, 19887), (264, 19962), (Start: 268 @19977 has 11 MA's), (373, 20220), (449, 20373), (495, 20460), (540, 20553), (549, 20574), (556, 20598), (559, 20610), (563, 20616), (597, 20697), (623, 20772), (628, 20790), (630, 20799), (637, 20823), (639, 20829), (645, 20844), (653, 20868), (680, 20922), (681, 20925), (689, 20946), (792, 21276), (794, 21282), (833, 21417),

Gene: Phishy_22 Start: 18770, Stop: 20428, Start Num: 152

Candidate Starts for Phishy_22:

(53, 18581), (76, 18641), (133, 18734), (Start: 152 @18770 has 2 MA's), (Start: 157 @18782 has 3 MA's), (Start: 198 @18896 has 1 MA's), (200, 18902), (242, 18980), (267, 19046), (269, 19052), (312, 19163), (316, 19172), (333, 19199), (338, 19208), (349, 19229), (428, 19400), (429, 19403), (458, 19469), (463, 19484), (498, 19568), (508, 19577), (529, 19619), (538, 19640), (555, 19688), (557, 19700), (566, 19727), (594, 19796), (620, 19865), (667, 19898), (691, 19955), (712, 20006), (733, 20075), (756, 20162), (760, 20177), (777, 20234), (780, 20243), (814, 20321), (816, 20327),

Gene: Phlei_23 Start: 21753, Stop: 23534, Start Num: 108

Candidate Starts for Phlei_23:

(Start: 108 @21753 has 545 MA's), (173, 21852), (Start: 175 @21858 has 47 MA's), (184, 21891), (208, 21951), (232, 21987), (233, 21990), (264, 22065), (347, 22254), (373, 22323), (412, 22404), (413, 22407), (441, 22467), (456, 22491), (513, 22587), (551, 22674), (563, 22713), (596, 22788), (668, 22986), (680, 23016), (681, 23019), (698, 23067), (727, 23139), (735, 23166), (760, 23265), (780, 23331), (784, 23343), (792, 23370), (794, 23376), (825, 23481),

Gene: Phlorence_24 Start: 19764, Stop: 21563, Start Num: 108

Candidate Starts for Phlorence_24:

(Start: 108 @19764 has 545 MA's), (Start: 175 @19869 has 47 MA's), (184, 19902), (233, 20001), (264, 20076), (Start: 268 @20091 has 11 MA's), (288, 20127), (310, 20199), (318, 20214), (338, 20247), (341, 20253), (441, 20478), (446, 20484), (495, 20574), (546, 20679), (549, 20688), (563, 20730), (569, 20748), (596, 20808), (597, 20811), (623, 20886), (628, 20904), (680, 21045), (693, 21081), (760, 21294), (791, 21396), (794, 21405), (827, 21519), (833, 21540), (835, 21549),

Gene: Phloss_18 Start: 14989, Stop: 16698, Start Num: 91

Candidate Starts for Phloss_18:

(Start: 91 @14989 has 42 MA's), (115, 15016), (Start: 175 @15121 has 47 MA's), (178, 15133), (190, 15169), (213, 15220), (230, 15250), (233, 15256), (247, 15283), (251, 15289), (300, 15409), (320, 15463), (323, 15469), (337, 15487), (342, 15499), (343, 15502), (352, 15523), (368, 15565), (396, 15598), (420, 15649), (427, 15664), (445, 15706), (455, 15721), (456, 15727), (474, 15775), (486, 15799), (497, 15829), (515, 15853), (541, 15913), (546, 15925), (564, 15979), (571, 15988), (595,

16048), (596, 16051), (667, 16156), (671, 16165), (687, 16204), (735, 16342), (775, 16492), (776, 16495), (779, 16504), (792, 16525), (800, 16552), (815, 16588), (838, 16681),

Gene: Phoebe_29 Start: 20377, Stop: 22173, Start Num: 108

Candidate Starts for Phoebe_29:

(Start: 108 @20377 has 545 MA's), (Start: 146 @20434 has 1 MA's), (154, 20449), (173, 20482), (179, 20503), (Start: 183 @20518 has 1 MA's), (227, 20605), (232, 20617), (233, 20620), (264, 20695), (Start: 268 @20710 has 11 MA's), (288, 20746), (373, 20953), (430, 21067), (449, 21106), (495, 21193), (549, 21307), (556, 21331), (563, 21349), (597, 21430), (623, 21505), (628, 21523), (637, 21556), (639, 21562), (653, 21601), (680, 21655), (681, 21658), (689, 21679), (713, 21736), (760, 21904), (792, 22009), (794, 22015), (833, 22150),

Gene: Phoebus_36 Start: 27621, Stop: 29619, Start Num: 89

Candidate Starts for Phoebus_36:

(Start: 89 @27621 has 30 MA's), (Start: 147 @27711 has 45 MA's), (172, 27759), (182, 27789), (244, 27918), (259, 27948), (298, 28047), (309, 28083), (321, 28110), (356, 28182), (359, 28191), (368, 28212), (410, 28281), (429, 28320), (430, 28323), (435, 28338), (456, 28377), (474, 28425), (480, 28437), (484, 28443), (503, 28491), (507, 28500), (517, 28521), (526, 28539), (545, 28587), (581, 28689), (610, 28761), (627, 28806), (629, 28818), (656, 28953), (657, 28959), (658, 28983), (659, 29055), (665, 29082), (752, 29331),

Gene: Phomeo_40 Start: 30475, Stop: 32088, Start Num: 194

Candidate Starts for Phomeo_40:

(Start: 194 @30475 has 87 MA's), (Start: 209 @30511 has 1 MA's), (216, 30529), (243, 30589), (351, 30829), (353, 30841), (359, 30856), (401, 30922), (405, 30937), (419, 30961), (421, 30964), (457, 31048), (469, 31078), (470, 31081), (499, 31138), (519, 31186), (521, 31189), (532, 31210), (570, 31315), (592, 31360), (604, 31402), (669, 31576), (681, 31606), (683, 31612), (729, 31720), (730, 31723), (751, 31798), (822, 32017), (838, 32074),

Gene: Phonnegut_30 Start: 21782, Stop: 23572, Start Num: 108

Candidate Starts for Phonnegut_30:

(Start: 105 @21779 has 8 MA's), (Start: 108 @21782 has 545 MA's), (232, 22016), (233, 22019), (262, 22091), (264, 22094), (Start: 268 @22109 has 11 MA's), (289, 22148), (292, 22154), (338, 22265), (373, 22352), (412, 22433), (413, 22436), (513, 22622), (540, 22685), (551, 22709), (553, 22715), (563, 22748), (597, 22829), (637, 22955), (651, 22997), (681, 23057), (693, 23090), (698, 23105), (735, 23204), (736, 23207), (738, 23219), (760, 23303), (780, 23369), (792, 23408), (794, 23414), (809, 23459), (824, 23516), (825, 23519),

Gene: Phontbonne_27 Start: 19771, Stop: 21549, Start Num: 108

Candidate Starts for Phontbonne_27:

(Start: 90 @19747 has 8 MA's), (Start: 108 @19771 has 545 MA's), (Start: 146 @19828 has 1 MA's), (Start: 175 @19882 has 47 MA's), (179, 19897), (184, 19915), (227, 19999), (232, 20011), (233, 20014), (264, 20089), (Start: 268 @20104 has 11 MA's), (289, 20143), (338, 20260), (373, 20347), (412, 20428), (435, 20476), (449, 20500), (495, 20587), (522, 20632), (551, 20704), (556, 20725), (563, 20743), (597, 20824), (628, 20917), (630, 20926), (637, 20950), (639, 20956), (647, 20980), (681, 21034), (689, 21055), (710, 21106), (719, 21130), (760, 21280), (792, 21385), (795, 21400), (828, 21508), (833, 21526),

Gene: PhorbesPhlower_18 Start: 15153, Stop: 16865, Start Num: 108

Candidate Starts for PhorbesPhlower_18:

(Start: 108 @15153 has 545 MA's), (118, 15165), (141, 15207), (186, 15309), (224, 15381), (251, 15462), (Start: 268 @15513 has 11 MA's), (285, 15546), (299, 15588), (301, 15594), (318, 15642), (347, 15693), (359, 15729), (390, 15771), (397, 15792), (401, 15798), (407, 15822), (430, 15873),

(431, 15876), (444, 15906), (605, 16218), (628, 16284), (636, 16314), (687, 16407), (694, 16428), (698, 16440), (701, 16446), (703, 16452), (707, 16458), (737, 16512), (745, 16542), (763, 16611), (792, 16698), (794, 16704), (802, 16728), (812, 16755),

Gene: Phoxy_29 Start: 20463, Stop: 22259, Start Num: 108

Candidate Starts for Phoxy_29:

(Start: 108 @20463 has 545 MA's), (Start: 146 @20520 has 1 MA's), (154, 20535), (173, 20568), (179, 20589), (Start: 183 @20604 has 1 MA's), (227, 20691), (232, 20703), (233, 20706), (264, 20781), (Start: 268 @20796 has 11 MA's), (288, 20832), (373, 21039), (430, 21153), (449, 21192), (495, 21279), (549, 21393), (556, 21417), (563, 21435), (597, 21516), (623, 21591), (628, 21609), (637, 21642), (639, 21648), (653, 21687), (680, 21741), (681, 21744), (689, 21765), (713, 21822), (760, 21990), (792, 22095), (794, 22101), (833, 22236),

Gene: Phrank_22 Start: 16326, Stop: 18092, Start Num: 79

Candidate Starts for Phrank_22:

(Start: 75 @16317 has 25 MA's), (Start: 79 @16326 has 139 MA's), (101, 16356), (Start: 175 @16482 has 47 MA's), (179, 16497), (184, 16515), (Start: 196 @16548 has 7 MA's), (210, 16578), (227, 16623), (266, 16713), (283, 16749), (310, 16827), (315, 16836), (356, 16920), (359, 16929), (363, 16941), (365, 16944), (384, 16983), (393, 16998), (399, 17016), (412, 17058), (418, 17064), (525, 17247), (548, 17307), (583, 17391), (593, 17409), (612, 17469), (636, 17544), (645, 17568), (681, 17628), (693, 17661), (694, 17664), (701, 17682), (718, 17703), (745, 17778), (759, 17829), (760, 17835), (769, 17856), (795, 17928), (815, 17979), (834, 18063), (835, 18066), (843, 18084),

Gene: Phrankenstein_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for Phrankenstein_23:

(Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (208, 16526), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (389, 16904), (392, 16910), (395, 16925), (397, 16928), (413, 16976), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: Phrann_18 Start: 14993, Stop: 16702, Start Num: 91

Candidate Starts for Phrann_18:

(Start: 91 @14993 has 42 MA's), (115, 15020), (136, 15059), (Start: 175 @15125 has 47 MA's), (178, 15137), (190, 15173), (199, 15197), (213, 15224), (227, 15245), (230, 15254), (233, 15260), (251, 15293), (320, 15467), (323, 15473), (329, 15482), (337, 15491), (342, 15503), (352, 15527), (368, 15569), (396, 15602), (420, 15653), (422, 15656), (427, 15668), (445, 15710), (455, 15725), (456, 15731), (474, 15779), (497, 15833), (515, 15857), (546, 15929), (564, 15983), (571, 15992), (573, 16001), (584, 16025), (595, 16052), (596, 16055), (667, 16160), (671, 16169), (687, 16208), (717, 16289), (735, 16346), (744, 16385), (776, 16499), (792, 16529), (793, 16532), (800, 16556), (815, 16592),

Gene: Phranny_30 Start: 20452, Stop: 22248, Start Num: 108

Candidate Starts for Phranny_30:

(Start: 108 @20452 has 545 MA's), (Start: 146 @20509 has 1 MA's), (154, 20524), (179, 20578), (Start: 183 @20593 has 1 MA's), (227, 20680), (232, 20692), (233, 20695), (264, 20770), (Start: 268 @20785 has 11 MA's), (373, 21028), (449, 21181), (495, 21268), (540, 21361), (549, 21382), (556, 21406), (559, 21418), (563, 21424), (597, 21505), (623, 21580), (628, 21598), (630, 21607), (637, 21631), (639, 21637), (653, 21676), (680, 21730), (681, 21733), (689, 21754), (760, 21979), (792, 22084), (794, 22090), (833, 22225),

Gene: Phreak_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Phreak_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: PhriskyACE_19 Start: 16822, Stop: 18402, Start Num: 194

Candidate Starts for PhriskyACE_19:

(18, 16045), (25, 16201), (34, 16396), (36, 16432), (37, 16435), (52, 16519), (54, 16525), (119, 16651), (149, 16705), (Start: 194 @16822 has 87 MA's), (274, 16993), (310, 17080), (319, 17098), (321, 17101), (351, 17155), (363, 17194), (397, 17251), (405, 17272), (518, 17443), (527, 17461), (537, 17485), (543, 17506), (564, 17548), (592, 17629), (623, 17719), (655, 17821), (682, 17878), (716, 17968), (796, 18247), (797, 18256), (810, 18286),

Gene: PhrostedPhlake_20 Start: 17026, Stop: 18672, Start Num: 175

Candidate Starts for PhrostedPhlake_20:

(156, 16990), (Start: 175 @17026 has 47 MA's), (213, 17128), (233, 17164), (253, 17206), (273, 17266), (294, 17305), (304, 17344), (325, 17389), (336, 17404), (345, 17425), (364, 17479), (370, 17494), (456, 17665), (466, 17695), (549, 17878), (556, 17902), (604, 18046), (608, 18058), (661, 18118), (712, 18250), (713, 18253), (742, 18352), (747, 18370), (760, 18421), (778, 18481), (780, 18487), (808, 18550), (813, 18562),

Gene: PhrostyMug_27 Start: 21160, Stop: 22962, Start Num: 109

Candidate Starts for PhrostyMug_27:

(Start: 109 @21160 has 207 MA's), (Start: 124 @21181 has 4 MA's), (Start: 146 @21223 has 1 MA's), (171, 21268), (264, 21484), (283, 21529), (289, 21538), (301, 21577), (321, 21628), (322, 21631), (413, 21826), (449, 21895), (549, 22096), (551, 22099), (556, 22120), (596, 22216), (597, 22219), (599, 22225), (623, 22294), (628, 22312), (630, 22321), (639, 22351), (681, 22447), (693, 22480), (698, 22495), (745, 22636), (760, 22693), (794, 22804),

Gene: Phrux_24 Start: 19487, Stop: 21166, Start Num: 94

Candidate Starts for Phrux_24:

(Start: 94 @19487 has 79 MA's), (Start: 147 @19571 has 45 MA's), (Start: 183 @19649 has 1 MA's), (227, 19736), (233, 19751), (257, 19799), (271, 19838), (306, 19925), (321, 19958), (342, 19994), (354, 20024), (356, 20030), (400, 20099), (424, 20129), (428, 20141), (429, 20144), (456, 20201), (517, 20333), (520, 20339), (547, 20405), (549, 20411), (556, 20435), (573, 20483), (584, 20507), (589, 20516), (616, 20591), (671, 20642), (678, 20657), (736, 20819), (742, 20846), (751, 20876), (780, 20981), (815, 21059), (822, 21095), (824, 21104), (833, 21137), (838, 21152),

Gene: Piatt_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Piatt_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: Pickett_17 Start: 14682, Stop: 16391, Start Num: 195

Candidate Starts for Pickett_17:

(140, 14547), (Start: 195 @14682 has 39 MA's), (244, 14799), (269, 14871), (270, 14874), (289, 14910), (301, 14949), (310, 14970), (359, 15072), (405, 15162), (406, 15165), (462, 15297), (487,

15351), (503, 15402), (516, 15432), (541, 15492), (546, 15504), (564, 15540), (574, 15579), (592, 15621), (604, 15657), (610, 15675), (614, 15690), (625, 15714), (647, 15786), (655, 15810), (701, 15918), (742, 16044), (746, 16059), (757, 16101), (785, 16194), (787, 16197), (797, 16245), (810, 16275), (817, 16293), (818, 16305), (827, 16344),

Gene: PickleBack_24 Start: 19478, Stop: 21277, Start Num: 108

Candidate Starts for PickleBack_24:

(Start: 108 @19478 has 545 MA's), (Start: 175 @19583 has 47 MA's), (184, 19616), (233, 19715), (264, 19790), (Start: 268 @19805 has 11 MA's), (288, 19841), (310, 19913), (318, 19928), (338, 19961), (341, 19967), (389, 20060), (430, 20162), (441, 20192), (446, 20198), (495, 20288), (513, 20318), (545, 20390), (549, 20402), (551, 20405), (563, 20444), (569, 20462), (596, 20522), (597, 20525), (613, 20576), (628, 20618), (680, 20759), (695, 20801), (794, 21119), (833, 21254),

Gene: Pimento_23 Start: 17041, Stop: 18747, Start Num: 126

Candidate Starts for Pimento_23:

(Start: 69 @16966 has 2 MA's), (Start: 126 @17041 has 16 MA's), (Start: 175 @17134 has 47 MA's), (179, 17149), (181, 17155), (Start: 209 @17230 has 1 MA's), (222, 17266), (235, 17302), (286, 17413), (301, 17458), (306, 17476), (310, 17488), (395, 17659), (401, 17668), (403, 17674), (412, 17707), (442, 17770), (466, 17821), (500, 17845), (513, 17869), (546, 17944), (558, 17983), (610, 18115), (647, 18229), (693, 18316), (744, 18430), (747, 18439), (780, 18544), (814, 18631), (843, 18739),

Gene: PinkPlastic_26 Start: 20900, Stop: 22702, Start Num: 109

Candidate Starts for PinkPlastic_26:

(Start: 109 @20900 has 207 MA's), (Start: 124 @20921 has 4 MA's), (Start: 146 @20963 has 1 MA's), (171, 21008), (264, 21224), (283, 21269), (289, 21278), (321, 21368), (322, 21371), (365, 21464), (413, 21566), (449, 21635), (549, 21836), (551, 21839), (556, 21860), (596, 21956), (597, 21959), (599, 21965), (623, 22034), (628, 22052), (630, 22061), (639, 22091), (681, 22187), (693, 22220), (698, 22235), (745, 22376), (760, 22433), (794, 22544),

Gene: PinkYoshi_18 Start: 16631, Stop: 18394, Start Num: 75

Candidate Starts for PinkYoshi_18:

(Start: 75 @16631 has 25 MA's), (Start: 97 @16640 has 44 MA's), (101, 16646), (Start: 105 @16652 has 8 MA's), (179, 16784), (Start: 196 @16835 has 7 MA's), (210, 16865), (219, 16889), (264, 16991), (279, 17030), (283, 17036), (292, 17051), (304, 17096), (359, 17216), (385, 17273), (399, 17312), (418, 17360), (430, 17387), (434, 17399), (479, 17480), (515, 17525), (597, 17723), (606, 17753), (612, 17771), (623, 17798), (648, 17882), (665, 17900), (677, 17915), (693, 17963), (698, 17978), (733, 18041), (751, 18098), (760, 18137), (776, 18179), (795, 18230), (824, 18326), (843, 18386),

Gene: Pinnie_19 Start: 17358, Stop: 19082, Start Num: 97

Candidate Starts for Pinnie_19:

(Start: 97 @17358 has 44 MA's), (177, 17478), (Start: 196 @17541 has 7 MA's), (208, 17568), (210, 17571), (264, 17697), (Start: 268 @17712 has 11 MA's), (279, 17736), (283, 17742), (288, 17748), (304, 17802), (359, 17922), (399, 18018), (403, 18027), (412, 18060), (418, 18066), (434, 18105), (515, 18231), (542, 18294), (597, 18423), (612, 18471), (623, 18498), (632, 18534), (648, 18582), (665, 18588), (704, 18681), (751, 18786), (774, 18861), (824, 19014), (835, 19056), (836, 19059),

Gene: Pinto_30 Start: 21713, Stop: 23515, Start Num: 109

Candidate Starts for Pinto_30:

(Start: 109 @21713 has 207 MA's), (Start: 124 @21734 has 4 MA's), (Start: 146 @21776 has 1 MA's), (171, 21821), (264, 22037), (283, 22082), (289, 22091), (321, 22181), (322, 22184), (413, 22379), (449, 22448), (549, 22649), (551, 22652), (556, 22673), (596, 22769), (597, 22772), (599, 22778), (623, 22847), (628, 22865), (630, 22874), (639, 22904), (681, 23000), (693, 23033), (698, 23048), (745, 23189), (760, 23246), (794, 23357),

Gene: Pioneer_30 Start: 21782, Stop: 23572, Start Num: 108

Candidate Starts for Pioneer_30:

(Start: 105 @21779 has 8 MA's), (Start: 108 @21782 has 545 MA's), (232, 22016), (233, 22019), (262, 22091), (264, 22094), (Start: 268 @22109 has 11 MA's), (289, 22148), (292, 22154), (338, 22265), (373, 22352), (412, 22433), (413, 22436), (513, 22622), (540, 22685), (551, 22709), (553, 22715), (563, 22748), (597, 22829), (637, 22955), (651, 22997), (681, 23057), (693, 23090), (698, 23105), (735, 23204), (736, 23207), (738, 23219), (760, 23303), (780, 23369), (792, 23408), (794, 23414), (809, 23459), (824, 23516), (825, 23519),

Gene: Pipcraft_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Pipcraft_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Piper2020_17 Start: 14677, Stop: 16386, Start Num: 87

Candidate Starts for Piper2020_17:

(Start: 87 @14677 has 207 MA's), (150, 14764), (Start: 175 @14809 has 47 MA's), (182, 14833), (230, 14938), (233, 14944), (242, 14962), (257, 14992), (300, 15097), (323, 15157), (329, 15166), (337, 15175), (338, 15178), (342, 15187), (352, 15211), (396, 15286), (402, 15298), (408, 15313), (410, 15319), (420, 15337), (427, 15352), (429, 15358), (435, 15376), (436, 15379), (445, 15394), (455, 15409), (456, 15415), (474, 15463), (480, 15475), (484, 15481), (515, 15541), (522, 15553), (538, 15589), (541, 15601), (549, 15622), (571, 15676), (573, 15685), (581, 15703), (584, 15709), (596, 15739), (667, 15844), (673, 15856), (687, 15892), (716, 15970), (744, 16069), (759, 16123), (768, 16153), (771, 16165), (776, 16183), (778, 16189), (779, 16192), (781, 16198), (792, 16213), (793, 16216), (798, 16237), (800, 16240), (813, 16270), (817, 16282), (833, 16354),

Gene: Pipp_19 Start: 16644, Stop: 18290, Start Num: 175

Candidate Starts for Pipp_19:

(156, 16608), (Start: 175 @16644 has 47 MA's), (213, 16746), (253, 16824), (294, 16923), (304, 16962), (345, 17043), (364, 17097), (370, 17112), (422, 17208), (456, 17283), (466, 17313), (549, 17496), (556, 17520), (571, 17571), (604, 17664), (608, 17676), (626, 17721), (661, 17736), (712, 17868), (713, 17871), (742, 17970), (747, 17988), (760, 18039), (778, 18099), (780, 18105), (808, 18168), (813, 18180),

Gene: Pippin_29 Start: 21464, Stop: 23266, Start Num: 109

Candidate Starts for Pippin_29:

(Start: 109 @21464 has 207 MA's), (Start: 124 @21485 has 4 MA's), (Start: 146 @21527 has 1 MA's), (171, 21572), (264, 21788), (283, 21833), (289, 21842), (301, 21881), (321, 21932), (322, 21935), (413, 22130), (449, 22199), (549, 22400), (551, 22403), (556, 22424), (596, 22520), (597, 22523), (599, 22529), (623, 22598), (628, 22616), (630, 22625), (639, 22655), (681, 22751), (693, 22784), (698, 22799), (745, 22940), (760, 22997), (794, 23108),

Gene: Pippy_16 Start: 14798, Stop: 16507, Start Num: 87

Candidate Starts for Pippy_16:

(Start: 87 @14798 has 207 MA's), (150, 14885), (Start: 175 @14930 has 47 MA's), (182, 14954), (230, 15059), (233, 15065), (242, 15083), (257, 15113), (300, 15218), (323, 15278), (338, 15299), (342, 15308), (352, 15332), (420, 15458), (427, 15473), (429, 15479), (445, 15515), (448, 15518), (455,

15530), (456, 15536), (474, 15584), (480, 15596), (484, 15602), (515, 15662), (522, 15674), (538, 15710), (541, 15722), (571, 15797), (573, 15806), (581, 15824), (584, 15830), (596, 15860), (667, 15965), (671, 15974), (673, 15977), (687, 16013), (716, 16091), (744, 16190), (751, 16211), (759, 16244), (768, 16274), (776, 16304), (779, 16313), (781, 16319), (792, 16334), (793, 16337), (800, 16361), (813, 16391), (817, 16403), (822, 16433), (833, 16475),

Gene: Pipsqueaks_18 Start: 14989, Stop: 16698, Start Num: 91

Candidate Starts for Pipsqueaks_18:

(Start: 91 @14989 has 42 MA's), (115, 15016), (Start: 175 @15121 has 47 MA's), (178, 15133), (190, 15169), (213, 15220), (230, 15250), (233, 15256), (247, 15283), (251, 15289), (300, 15409), (320, 15463), (323, 15469), (337, 15487), (342, 15499), (343, 15502), (352, 15523), (368, 15565), (396, 15598), (420, 15649), (427, 15664), (445, 15706), (455, 15721), (456, 15727), (474, 15775), (486, 15799), (497, 15829), (515, 15853), (541, 15913), (546, 15925), (564, 15979), (571, 15988), (595, 16048), (596, 16051), (667, 16156), (671, 16165), (687, 16204), (735, 16342), (775, 16492), (776, 16495), (779, 16504), (792, 16525), (800, 16552), (815, 16588), (838, 16681),

Gene: Piro94_29 Start: 20672, Stop: 22444, Start Num: 108

Candidate Starts for Piro94_29:

(Start: 90 @20648 has 8 MA's), (Start: 108 @20672 has 545 MA's), (Start: 183 @20807 has 1 MA's), (189, 20825), (232, 20906), (233, 20909), (262, 20981), (264, 20984), (289, 21038), (292, 21044), (310, 21107), (338, 21155), (352, 21188), (373, 21242), (412, 21323), (413, 21326), (430, 21356), (513, 21512), (551, 21599), (597, 21719), (636, 21842), (637, 21845), (639, 21851), (669, 21899), (693, 21962), (698, 21977), (701, 21983), (724, 22037), (735, 22076), (738, 22091), (747, 22124), (759, 22169), (792, 22280), (794, 22286), (813, 22340),

Gene: Pistachio_28 Start: 19451, Stop: 21247, Start Num: 108

Candidate Starts for Pistachio_28:

(Start: 108 @19451 has 545 MA's), (Start: 146 @19508 has 1 MA's), (179, 19577), (227, 19679), (232, 19691), (233, 19694), (264, 19769), (Start: 268 @19784 has 11 MA's), (289, 19823), (347, 19958), (373, 20027), (430, 20141), (495, 20267), (549, 20381), (556, 20405), (563, 20423), (597, 20504), (623, 20579), (628, 20597), (630, 20606), (637, 20630), (639, 20636), (645, 20651), (662, 20684), (680, 20729), (681, 20732), (689, 20753), (693, 20765), (695, 20771), (719, 20828), (760, 20978), (768, 21002), (792, 21083), (794, 21089), (833, 21224),

Gene: Pita2_29 Start: 21585, Stop: 23387, Start Num: 109

Candidate Starts for Pita2_29:

(Start: 109 @21585 has 207 MA's), (Start: 124 @21606 has 4 MA's), (Start: 146 @21648 has 1 MA's), (171, 21693), (264, 21909), (283, 21954), (289, 21963), (301, 22002), (321, 22053), (322, 22056), (413, 22251), (449, 22320), (549, 22521), (551, 22524), (556, 22545), (596, 22641), (597, 22644), (599, 22650), (623, 22719), (628, 22737), (630, 22746), (639, 22776), (681, 22872), (693, 22905), (698, 22920), (745, 23061), (760, 23118), (794, 23229),

Gene: Pixie_22 Start: 17358, Stop: 19121, Start Num: 79

Candidate Starts for Pixie_22:

(Start: 75 @17349 has 25 MA's), (Start: 79 @17358 has 139 MA's), (153, 17460), (179, 17517), (Start: 196 @17568 has 7 MA's), (210, 17598), (219, 17622), (310, 17853), (315, 17862), (321, 17874), (363, 17967), (365, 17970), (399, 18042), (403, 18051), (412, 18084), (418, 18090), (434, 18129), (454, 18165), (515, 18255), (542, 18318), (577, 18405), (612, 18498), (636, 18573), (681, 18654), (698, 18702), (709, 18726), (729, 18753), (747, 18810), (759, 18855), (795, 18957), (807, 18984), (822, 19044), (824, 19053), (830, 19074), (834, 19092), (836, 19098), (843, 19113),

Gene: Plagueis_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Plagueis_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Pleakley_50 Start: 30683, Stop: 32302, Start Num: 194

Candidate Starts for Pleakley_50:

(Start: 194 @30683 has 87 MA's), (199, 30698), (216, 30737), (243, 30797), (274, 30881), (359, 31064), (401, 31130), (405, 31145), (425, 31181), (457, 31256), (469, 31286), (470, 31289), (478, 31307), (499, 31346), (510, 31376), (596, 31580), (604, 31610), (622, 31658), (623, 31661), (669, 31784), (683, 31820), (751, 32006), (804, 32159), (820, 32213), (822, 32225), (825, 32237), (838, 32282),

Gene: Plumbus_17 Start: 14635, Stop: 16344, Start Num: 87

Candidate Starts for Plumbus_17:

(Start: 87 @14635 has 207 MA's), (150, 14722), (Start: 175 @14767 has 47 MA's), (182, 14791), (187, 14812), (230, 14896), (233, 14902), (242, 14920), (257, 14950), (300, 15055), (323, 15115), (338, 15136), (342, 15145), (352, 15169), (420, 15295), (427, 15310), (429, 15316), (445, 15352), (448, 15355), (455, 15367), (456, 15373), (474, 15421), (480, 15433), (484, 15439), (515, 15499), (522, 15511), (538, 15547), (541, 15559), (571, 15634), (573, 15643), (581, 15661), (584, 15667), (596, 15697), (667, 15802), (671, 15811), (673, 15814), (687, 15850), (716, 15928), (744, 16027), (751, 16048), (759, 16081), (768, 16111), (776, 16141), (779, 16150), (781, 16156), (792, 16171), (793, 16174), (800, 16198), (813, 16228), (817, 16240), (822, 16270), (833, 16312),

Gene: Pmask_31 Start: 19970, Stop: 21742, Start Num: 108

Candidate Starts for Pmask_31:

(65, 19904), (Start: 90 @19946 has 8 MA's), (Start: 108 @19970 has 545 MA's), (208, 20168), (233, 20207), (262, 20279), (264, 20282), (269, 20300), (289, 20336), (292, 20342), (338, 20453), (341, 20459), (356, 20498), (373, 20540), (399, 20579), (412, 20621), (413, 20624), (441, 20684), (557, 20921), (563, 20936), (597, 21017), (639, 21149), (698, 21275), (720, 21326), (724, 21335), (735, 21374), (736, 21377), (738, 21389), (760, 21473), (792, 21578), (794, 21584), (833, 21719),

Gene: Pocahontas_28 Start: 20452, Stop: 22251, Start Num: 108

Candidate Starts for Pocahontas_28:

(Start: 108 @20452 has 545 MA's), (Start: 146 @20512 has 1 MA's), (179, 20581), (227, 20683), (232, 20695), (233, 20698), (264, 20773), (Start: 268 @20788 has 11 MA's), (289, 20827), (347, 20962), (373, 21031), (430, 21145), (495, 21271), (549, 21385), (556, 21409), (559, 21421), (563, 21427), (597, 21508), (623, 21583), (628, 21601), (630, 21610), (637, 21634), (639, 21640), (645, 21655), (662, 21688), (680, 21733), (681, 21736), (689, 21757), (736, 21886), (760, 21982), (792, 22087), (794, 22093), (833, 22228),

Gene: Poenanya_16 Start: 14940, Stop: 16649, Start Num: 87

Candidate Starts for Poenanya_16:

(Start: 87 @14940 has 207 MA's), (150, 15027), (Start: 175 @15072 has 47 MA's), (182, 15096), (230, 15201), (233, 15207), (242, 15225), (257, 15255), (300, 15360), (323, 15420), (338, 15441), (342, 15450), (352, 15474), (396, 15549), (420, 15600), (427, 15615), (429, 15621), (445, 15657), (448, 15660), (455, 15672), (456, 15678), (474, 15726), (480, 15738), (484, 15744), (515, 15804), (522, 15816), (538, 15852), (541, 15864), (571, 15939), (573, 15948), (581, 15966), (584, 15972), (596, 16002), (667, 16107), (673, 16119), (687, 16155), (716, 16233), (744, 16332), (751, 16353), (759, 16386), (768, 16416), (776, 16446), (778, 16452), (779, 16455), (781, 16461), (792, 16476), (793, 16479), (798, 16500), (800, 16503), (817, 16545), (833, 16617), (834, 16623),

Gene: Pokerus_22 Start: 17105, Stop: 18871, Start Num: 79

Candidate Starts for Pokerus_22:

(Start: 79 @17105 has 139 MA's), (101, 17135), (184, 17294), (Start: 196 @17327 has 7 MA's), (210, 17357), (221, 17390), (266, 17492), (288, 17534), (310, 17606), (315, 17615), (338, 17654), (356, 17699), (363, 17720), (365, 17723), (393, 17777), (399, 17795), (412, 17837), (418, 17843), (430, 17870), (515, 18008), (525, 18026), (541, 18068), (548, 18086), (558, 18116), (573, 18143), (612, 18248), (681, 18407), (694, 18443), (706, 18473), (718, 18482), (745, 18557), (759, 18608), (824, 18803), (834, 18842), (835, 18845), (843, 18863),

Gene: Policronamos_24 Start: 19858, Stop: 21453, Start Num: 147

Candidate Starts for Policronamos_24:

(Start: 94 @19774 has 79 MA's), (Start: 147 @19858 has 45 MA's), (Start: 183 @19936 has 1 MA's), (227, 20023), (233, 20038), (257, 20086), (271, 20125), (306, 20212), (321, 20245), (342, 20281), (354, 20311), (356, 20317), (400, 20386), (424, 20416), (428, 20428), (429, 20431), (456, 20488), (517, 20620), (520, 20626), (547, 20692), (549, 20698), (556, 20722), (573, 20770), (584, 20794), (589, 20803), (616, 20878), (671, 20929), (678, 20944), (736, 21106), (742, 21133), (751, 21163), (780, 21268), (815, 21346), (822, 21382), (824, 21391), (833, 21424), (838, 21439),

Gene: Polka14_17 Start: 15348, Stop: 17057, Start Num: 87

Candidate Starts for Polka14_17:

(Start: 87 @15348 has 207 MA's), (150, 15435), (Start: 175 @15480 has 47 MA's), (182, 15504), (230, 15609), (233, 15615), (242, 15633), (257, 15663), (300, 15768), (323, 15828), (338, 15849), (342, 15858), (352, 15882), (420, 16008), (427, 16023), (429, 16029), (445, 16065), (448, 16068), (455, 16080), (456, 16086), (474, 16134), (480, 16146), (484, 16152), (515, 16212), (522, 16224), (538, 16260), (541, 16272), (549, 16293), (571, 16347), (573, 16356), (581, 16374), (584, 16380), (596, 16410), (667, 16515), (673, 16527), (687, 16563), (701, 16602), (716, 16641), (744, 16740), (751, 16761), (759, 16794), (768, 16824), (776, 16854), (778, 16860), (779, 16863), (781, 16869), (792, 16884), (793, 16887), (798, 16908), (800, 16911), (817, 16953), (822, 16983), (833, 17025),

Gene: Polkaroo_19 Start: 16401, Stop: 18137, Start Num: 82

Candidate Starts for Polkaroo_19:

(Start: 71 @16377 has 2 MA's), (Start: 82 @16401 has 44 MA's), (128, 16461), (136, 16482), (138, 16485), (Start: 195 @16605 has 39 MA's), (213, 16644), (232, 16677), (244, 16701), (296, 16821), (306, 16860), (309, 16866), (351, 16950), (352, 16956), (356, 16968), (365, 16992), (379, 17019), (400, 17037), (417, 17076), (420, 17082), (430, 17106), (456, 17160), (461, 17172), (463, 17181), (490, 17241), (526, 17319), (541, 17358), (554, 17391), (573, 17457), (578, 17472), (584, 17481), (594, 17505), (605, 17535), (610, 17547), (682, 17649), (689, 17661), (691, 17664), (692, 17670), (695, 17679), (734, 17787), (755, 17871), (787, 17970), (833, 18111), (838, 18126),

Gene: Polly_19 Start: 17773, Stop: 19371, Start Num: 194

Candidate Starts for Polly_19:

(Start: 194 @17773 has 87 MA's), (307, 18022), (310, 18031), (319, 18049), (321, 18052), (351, 18106), (381, 18181), (413, 18250), (423, 18259), (427, 18271), (451, 18322), (459, 18349), (462, 18358), (463, 18361), (516, 18391), (518, 18394), (541, 18451), (564, 18517), (591, 18595), (602, 18628), (610, 18652), (623, 18688), (655, 18790), (682, 18847), (698, 18892), (701, 18898), (716, 18937), (787, 19177), (810, 19255),

Gene: Polymorphads_27 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for Polymorphads_27:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400),

(412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (736, 21237), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: Polyuki_45 Start: 31365, Stop: 32939, Start Num: 196

Candidate Starts for Polyuki_45:

(Start: 196 @31365 has 7 MA's), (199, 31374), (227, 31428), (237, 31452), (243, 31455), (360, 31725), (401, 31788), (405, 31803), (464, 31920), (470, 31935), (499, 31992), (502, 32001), (521, 32043), (532, 32064), (541, 32094), (566, 32151), (596, 32226), (628, 32322), (669, 32427), (670, 32430), (681, 32457), (717, 32535), (730, 32574), (772, 32730), (801, 32796),

Gene: Pomar16_31 Start: 20090, Stop: 21880, Start Num: 108

Candidate Starts for Pomar16_31:

(65, 20024), (Start: 90 @20066 has 8 MA's), (Start: 108 @20090 has 545 MA's), (189, 20243), (232, 20324), (233, 20327), (262, 20399), (264, 20402), (Start: 268 @20417 has 11 MA's), (289, 20456), (292, 20462), (338, 20573), (347, 20591), (373, 20660), (412, 20741), (413, 20744), (495, 20900), (513, 20930), (597, 21137), (637, 21263), (681, 21365), (693, 21398), (698, 21413), (710, 21437), (735, 21512), (736, 21515), (738, 21527), (760, 21611), (784, 21689), (792, 21716), (794, 21722), (809, 21767), (813, 21776), (833, 21857),

Gene: Poompha_26 Start: 17888, Stop: 19666, Start Num: 108

Candidate Starts for Poompha_26:

(Start: 90 @17864 has 8 MA's), (Start: 108 @17888 has 545 MA's), (Start: 146 @17945 has 1 MA's), (154, 17960), (179, 18014), (232, 18128), (233, 18131), (264, 18206), (279, 18245), (338, 18377), (373, 18464), (410, 18539), (430, 18578), (449, 18617), (495, 18704), (522, 18749), (549, 18818), (556, 18842), (559, 18854), (563, 18860), (583, 18911), (628, 19034), (630, 19043), (637, 19067), (639, 19073), (645, 19088), (669, 19121), (689, 19172), (713, 19229), (714, 19235), (760, 19397), (792, 19502), (794, 19508), (795, 19517), (833, 19643),

Gene: PopTart_16 Start: 14854, Stop: 16563, Start Num: 87

Candidate Starts for PopTart_16:

(Start: 87 @14854 has 207 MA's), (150, 14941), (Start: 175 @14986 has 47 MA's), (182, 15010), (230, 15115), (233, 15121), (242, 15139), (257, 15169), (300, 15274), (323, 15334), (329, 15343), (337, 15352), (338, 15355), (342, 15364), (352, 15388), (420, 15514), (427, 15529), (429, 15535), (445, 15571), (448, 15574), (455, 15586), (456, 15592), (474, 15640), (480, 15652), (484, 15658), (515, 15718), (522, 15730), (538, 15766), (541, 15778), (571, 15853), (573, 15862), (581, 15880), (584, 15886), (596, 15916), (667, 16021), (671, 16030), (673, 16033), (687, 16069), (716, 16147), (744, 16246), (751, 16267), (759, 16300), (768, 16330), (776, 16360), (779, 16369), (781, 16375), (792, 16390), (793, 16393), (800, 16417), (813, 16447), (817, 16459), (822, 16489), (833, 16531),

Gene: Popcicle_28 Start: 20452, Stop: 22251, Start Num: 108

Candidate Starts for Popcicle_28:

(Start: 108 @20452 has 545 MA's), (Start: 146 @20512 has 1 MA's), (179, 20581), (227, 20683), (232, 20695), (233, 20698), (264, 20773), (Start: 268 @20788 has 11 MA's), (289, 20827), (347, 20962), (373, 21031), (430, 21145), (495, 21271), (549, 21385), (556, 21409), (559, 21421), (563, 21427), (597, 21508), (623, 21583), (628, 21601), (630, 21610), (637, 21634), (639, 21640), (645, 21655), (662, 21688), (680, 21733), (681, 21736), (689, 21757), (736, 21886), (760, 21982), (792, 22087), (794, 22093), (833, 22228),

Gene: Porcelain_33 Start: 24890, Stop: 26623, Start Num: 89

Candidate Starts for Porcelain_33:

(Start: 89 @24890 has 30 MA's), (Start: 147 @24980 has 45 MA's), (150, 24983), (182, 25058), (193, 25085), (227, 25151), (244, 25187), (259, 25217), (264, 25232), (298, 25316), (309, 25352), (321, 25379), (343, 25418), (356, 25451), (359, 25460), (398, 25517), (413, 25559), (453, 25634), (456, 25646), (480, 25706), (503, 25760), (517, 25790), (526, 25808), (531, 25817), (542, 25850), (547, 25862), (549, 25868), (561, 25907), (584, 25964), (678, 26114), (682, 26132), (700, 26174), (711, 26198), (712, 26201), (716, 26216), (727, 26246), (736, 26276), (751, 26333), (803, 26483), (835, 26603), (838, 26609),

Gene: Porky_24 Start: 19667, Stop: 21262, Start Num: 147

Candidate Starts for Porky_24:

(Start: 94 @19583 has 79 MA's), (Start: 147 @19667 has 45 MA's), (Start: 183 @19745 has 1 MA's), (227, 19832), (233, 19847), (257, 19895), (271, 19934), (306, 20021), (321, 20054), (342, 20090), (354, 20120), (356, 20126), (400, 20195), (424, 20225), (428, 20237), (429, 20240), (456, 20297), (517, 20429), (520, 20435), (547, 20501), (549, 20507), (556, 20531), (573, 20579), (584, 20603), (589, 20612), (616, 20687), (671, 20738), (678, 20753), (736, 20915), (742, 20942), (751, 20972), (780, 21077), (815, 21155), (822, 21191), (824, 21200), (833, 21233), (838, 21248),

Gene: PotatoChip_34 Start: 29329, Stop: 30927, Start Num: 195

Candidate Starts for PotatoChip_34:

(Start: 195 @29329 has 39 MA's), (246, 29428), (272, 29497), (292, 29536), (350, 29671), (371, 29731), (460, 29884), (464, 29896), (467, 29905), (469, 29908), (493, 29953), (499, 29968), (502, 29977), (505, 29986), (532, 30040), (538, 30058), (563, 30112), (635, 30328), (677, 30421), (724, 30529), (738, 30583), (758, 30658), (801, 30787), (837, 30913),

Gene: PotatoSplit_30 Start: 20379, Stop: 22175, Start Num: 108

Candidate Starts for PotatoSplit_30:

(Start: 108 @20379 has 545 MA's), (Start: 146 @20436 has 1 MA's), (154, 20451), (173, 20484), (179, 20505), (Start: 183 @20520 has 1 MA's), (227, 20607), (232, 20619), (233, 20622), (264, 20697), (Start: 268 @20712 has 11 MA's), (288, 20748), (373, 20955), (430, 21069), (449, 21108), (495, 21195), (549, 21309), (556, 21333), (563, 21351), (597, 21432), (623, 21507), (628, 21525), (637, 21558), (639, 21564), (653, 21603), (680, 21657), (681, 21660), (689, 21681), (713, 21738), (760, 21906), (792, 22011), (794, 22017), (833, 22152),

Gene: Power_28 Start: 20118, Stop: 21890, Start Num: 108

Candidate Starts for Power_28:

(65, 20052), (Start: 90 @20094 has 8 MA's), (Start: 108 @20118 has 545 MA's), (173, 20217), (202, 20301), (232, 20352), (233, 20355), (262, 20427), (264, 20430), (289, 20484), (301, 20523), (318, 20568), (338, 20601), (373, 20688), (412, 20769), (413, 20772), (551, 21045), (597, 21165), (637, 21291), (669, 21345), (693, 21408), (698, 21423), (701, 21429), (724, 21483), (735, 21522), (738, 21537), (760, 21621), (794, 21732), (833, 21867),

Gene: Powerball_19 Start: 16819, Stop: 18399, Start Num: 194

Candidate Starts for Powerball_19:

(Start: 194 @16819 has 87 MA's), (310, 17077), (321, 17098), (351, 17152), (356, 17170), (363, 17191), (397, 17248), (405, 17269), (518, 17440), (527, 17458), (537, 17482), (543, 17503), (564, 17545), (592, 17626), (623, 17716), (655, 17818), (662, 17821), (682, 17875), (796, 18244), (797, 18253), (801, 18259), (810, 18283), (815, 18295),

Gene: Priamo_31 Start: 20019, Stop: 21791, Start Num: 108

Candidate Starts for Priamo_31:

(65, 19953), (Start: 90 @19995 has 8 MA's), (Start: 108 @20019 has 545 MA's), (184, 20157), (208, 20217), (232, 20253), (233, 20256), (262, 20328), (264, 20331), (289, 20385), (292, 20391), (306, 20442), (338, 20502), (341, 20508), (356, 20547), (373, 20589), (399, 20628), (412, 20670), (413,

20673), (441, 20733), (557, 20970), (563, 20985), (597, 21066), (627, 21153), (639, 21198), (698, 21324), (724, 21384), (735, 21423), (736, 21426), (738, 21438), (760, 21522), (792, 21627), (794, 21633), (833, 21768),

Gene: PrincePatrick_19 Start: 16814, Stop: 18463, Start Num: 175

Candidate Starts for PrincePatrick_19:

(26, 16283), (28, 16313), (29, 16319), (33, 16451), (38, 16508), (39, 16517), (98, 16676), (156, 16778), (Start: 175 @16814 has 47 MA's), (213, 16919), (253, 16997), (273, 17057), (280, 17069), (282, 17072), (364, 17270), (370, 17285), (380, 17300), (416, 17369), (422, 17381), (426, 17390), (427, 17393), (434, 17414), (456, 17456), (466, 17486), (549, 17669), (556, 17693), (571, 17744), (604, 17837), (608, 17849), (624, 17891), (661, 17909), (713, 18044), (742, 18143), (747, 18161), (760, 18212), (778, 18272), (780, 18278), (813, 18353),

Gene: Priscilla_16 Start: 14816, Stop: 16525, Start Num: 87

Candidate Starts for Priscilla_16:

(Start: 87 @14816 has 207 MA's), (150, 14903), (Start: 175 @14948 has 47 MA's), (182, 14972), (230, 15077), (233, 15083), (242, 15101), (257, 15131), (300, 15236), (323, 15296), (338, 15317), (342, 15326), (352, 15350), (396, 15425), (398, 15428), (420, 15476), (427, 15491), (429, 15497), (445, 15533), (448, 15536), (455, 15548), (456, 15554), (474, 15602), (480, 15614), (484, 15620), (515, 15680), (522, 15692), (538, 15728), (541, 15740), (571, 15815), (573, 15824), (581, 15842), (584, 15848), (596, 15878), (667, 15983), (673, 15995), (687, 16031), (716, 16109), (751, 16229), (759, 16262), (768, 16292), (776, 16322), (779, 16331), (781, 16337), (792, 16352), (793, 16355), (800, 16379), (813, 16409), (817, 16421), (822, 16451), (833, 16493),

Gene: Prithvi_23 Start: 17122, Stop: 18888, Start Num: 79

Candidate Starts for Prithvi_23:

(Start: 79 @17122 has 139 MA's), (101, 17152), (184, 17311), (Start: 196 @17344 has 7 MA's), (210, 17374), (221, 17407), (227, 17419), (266, 17509), (288, 17551), (307, 17614), (310, 17623), (315, 17632), (338, 17671), (356, 17716), (363, 17737), (365, 17740), (399, 17812), (412, 17854), (418, 17860), (430, 17887), (515, 18025), (525, 18043), (541, 18085), (548, 18103), (558, 18133), (573, 18160), (612, 18265), (681, 18424), (694, 18460), (706, 18490), (718, 18499), (745, 18574), (759, 18625), (824, 18820), (834, 18859), (835, 18862), (843, 18880),

Gene: Priya_30 Start: 21780, Stop: 23570, Start Num: 108

Candidate Starts for Priya_30:

(Start: 105 @21777 has 8 MA's), (Start: 108 @21780 has 545 MA's), (232, 22014), (233, 22017), (262, 22089), (264, 22092), (Start: 268 @22107 has 11 MA's), (289, 22146), (292, 22152), (338, 22263), (373, 22350), (412, 22431), (413, 22434), (441, 22494), (513, 22620), (540, 22683), (551, 22707), (553, 22713), (563, 22746), (597, 22827), (637, 22953), (651, 22995), (653, 22998), (681, 23055), (693, 23088), (698, 23103), (735, 23202), (736, 23205), (738, 23217), (760, 23301), (780, 23367), (792, 23406), (794, 23412), (809, 23457), (824, 23514), (825, 23517),

Gene: ProMouse_26 Start: 21605, Stop: 23407, Start Num: 109

Candidate Starts for ProMouse_26:

(Start: 109 @21605 has 207 MA's), (Start: 124 @21626 has 4 MA's), (Start: 146 @21668 has 1 MA's), (171, 21713), (264, 21929), (283, 21974), (321, 22073), (322, 22076), (365, 22169), (413, 22271), (449, 22340), (545, 22529), (549, 22541), (551, 22544), (556, 22565), (596, 22661), (597, 22664), (599, 22670), (623, 22739), (628, 22757), (630, 22766), (639, 22796), (681, 22892), (693, 22925), (698, 22940), (745, 23081), (760, 23138), (794, 23249), (840, 23402),

Gene: Pukovnik_30 Start: 21690, Stop: 23462, Start Num: 108

Candidate Starts for Pukovnik_30:

(Start: 90 @21666 has 8 MA's), (Start: 108 @21690 has 545 MA's), (Start: 183 @21825 has 1 MA's), (189, 21843), (232, 21924), (233, 21927), (262, 21999), (264, 22002), (292, 22062), (338, 22173), (373, 22260), (412, 22341), (413, 22344), (472, 22470), (495, 22500), (592, 22722), (597, 22737), (637, 22863), (639, 22869), (669, 22917), (693, 22980), (698, 22995), (701, 23001), (710, 23019), (724, 23055), (735, 23094), (738, 23109), (760, 23193), (784, 23271), (792, 23298), (794, 23304), (809, 23349),

Gene: Pumbaa_27 Start: 19802, Stop: 21580, Start Num: 108

Candidate Starts for Pumbaa_27:

(Start: 90 @19778 has 8 MA's), (Start: 108 @19802 has 545 MA's), (136, 19844), (Start: 146 @19859 has 1 MA's), (Start: 175 @19913 has 47 MA's), (179, 19928), (184, 19946), (227, 20030), (232, 20042), (233, 20045), (264, 20120), (Start: 268 @20135 has 11 MA's), (289, 20174), (338, 20291), (373, 20378), (412, 20459), (435, 20507), (449, 20531), (495, 20618), (522, 20663), (551, 20735), (556, 20756), (563, 20774), (597, 20855), (628, 20948), (630, 20957), (637, 20981), (639, 20987), (647, 21011), (681, 21065), (689, 21086), (710, 21137), (719, 21161), (736, 21215), (760, 21311), (792, 21416), (795, 21431), (828, 21539), (833, 21557),

Gene: Pumpkin_26 Start: 19910, Stop: 21505, Start Num: 147

Candidate Starts for Pumpkin_26:

(Start: 94 @19826 has 79 MA's), (Start: 147 @19910 has 45 MA's), (Start: 183 @19988 has 1 MA's), (227, 20075), (233, 20090), (257, 20138), (271, 20177), (306, 20264), (321, 20297), (342, 20333), (354, 20363), (356, 20369), (400, 20438), (424, 20468), (428, 20480), (429, 20483), (456, 20540), (517, 20672), (520, 20678), (547, 20744), (549, 20750), (556, 20774), (573, 20822), (584, 20846), (589, 20855), (616, 20930), (671, 20981), (678, 20996), (736, 21158), (742, 21185), (751, 21215), (780, 21320), (815, 21398), (822, 21434), (824, 21443), (833, 21476), (838, 21491),

Gene: Puppies_18 Start: 15139, Stop: 16755, Start Num: 117

Candidate Starts for Puppies_18:

(Start: 117 @15139 has 11 MA's), (171, 15235), (244, 15403), (269, 15466), (319, 15589), (373, 15706), (451, 15784), (480, 15859), (494, 15892), (539, 15985), (546, 16006), (594, 16123), (610, 16165), (615, 16183), (622, 16195), (623, 16198), (697, 16303), (700, 16309), (706, 16324), (727, 16381), (795, 16600), (825, 16699),

Gene: Puppy_28 Start: 19523, Stop: 21319, Start Num: 108

Candidate Starts for Puppy_28:

(Start: 108 @19523 has 545 MA's), (Start: 146 @19580 has 1 MA's), (179, 19649), (227, 19751), (232, 19763), (233, 19766), (264, 19841), (Start: 268 @19856 has 11 MA's), (289, 19895), (347, 20030), (373, 20099), (430, 20213), (495, 20339), (556, 20477), (563, 20495), (597, 20576), (623, 20651), (628, 20669), (630, 20678), (637, 20702), (639, 20708), (645, 20723), (662, 20756), (680, 20801), (681, 20804), (689, 20825), (693, 20837), (719, 20900), (760, 21050), (792, 21155), (794, 21161), (833, 21296),

Gene: Purgamenstris_18 Start: 14993, Stop: 16702, Start Num: 91

Candidate Starts for Purgamenstris_18:

(Start: 91 @14993 has 42 MA's), (115, 15020), (136, 15059), (Start: 175 @15125 has 47 MA's), (178, 15137), (190, 15173), (199, 15197), (213, 15224), (227, 15245), (230, 15254), (233, 15260), (251, 15293), (320, 15467), (323, 15473), (329, 15482), (337, 15491), (342, 15503), (352, 15527), (368, 15569), (396, 15602), (420, 15653), (422, 15656), (427, 15668), (445, 15710), (455, 15725), (456, 15731), (474, 15779), (497, 15833), (515, 15857), (546, 15929), (564, 15983), (571, 15992), (573, 16001), (584, 16025), (595, 16052), (596, 16055), (667, 16160), (671, 16169), (687, 16208), (717, 16289), (735, 16346), (744, 16385), (776, 16499), (792, 16529), (793, 16532), (800, 16556), (815, 16592),

Gene: Purky_18 Start: 15971, Stop: 17707, Start Num: 82

Candidate Starts for Purky_18:

(Start: 82 @15971 has 44 MA's), (138, 16055), (170, 16106), (171, 16109), (Start: 195 @16175 has 39 MA's), (203, 16196), (213, 16214), (232, 16247), (244, 16271), (292, 16379), (296, 16391), (306, 16430), (309, 16436), (321, 16466), (337, 16490), (359, 16547), (360, 16550), (400, 16607), (417, 16646), (420, 16652), (430, 16676), (456, 16730), (463, 16751), (490, 16811), (526, 16889), (554, 16961), (573, 17027), (584, 17051), (594, 17075), (605, 17105), (610, 17117), (682, 17219), (689, 17231), (734, 17357), (755, 17441), (759, 17453), (775, 17510), (838, 17696),

Gene: PurpleHaze_29 Start: 20459, Stop: 22255, Start Num: 108

Candidate Starts for PurpleHaze_29:

(Start: 108 @20459 has 545 MA's), (Start: 146 @20516 has 1 MA's), (154, 20531), (179, 20585), (Start: 183 @20600 has 1 MA's), (227, 20687), (232, 20699), (233, 20702), (264, 20777), (Start: 268 @20792 has 11 MA's), (373, 21035), (449, 21188), (495, 21275), (540, 21368), (549, 21389), (556, 21413), (559, 21425), (563, 21431), (597, 21512), (623, 21587), (628, 21605), (630, 21614), (637, 21638), (639, 21644), (645, 21659), (653, 21683), (680, 21737), (681, 21740), (689, 21761), (792, 22091), (794, 22097), (833, 22232),

Gene: Pygmy_18 Start: 16108, Stop: 17844, Start Num: 82

Candidate Starts for Pygmy_18:

(Start: 71 @16084 has 2 MA's), (Start: 82 @16108 has 44 MA's), (128, 16168), (136, 16189), (138, 16192), (Start: 195 @16312 has 39 MA's), (213, 16351), (232, 16384), (244, 16408), (296, 16528), (306, 16567), (309, 16573), (351, 16657), (352, 16663), (356, 16675), (365, 16699), (379, 16726), (400, 16744), (417, 16783), (420, 16789), (430, 16813), (456, 16867), (461, 16879), (463, 16888), (490, 16948), (526, 17026), (541, 17065), (554, 17098), (573, 17164), (578, 17179), (584, 17188), (594, 17212), (605, 17242), (610, 17254), (682, 17356), (689, 17368), (691, 17371), (692, 17377), (695, 17386), (734, 17494), (755, 17578), (787, 17677), (824, 17785), (838, 17833),

Gene: QTRlifeCrisis_27 Start: 21720, Stop: 23522, Start Num: 109

Candidate Starts for QTRlifeCrisis_27:

(Start: 109 @21720 has 207 MA's), (Start: 124 @21741 has 4 MA's), (Start: 146 @21783 has 1 MA's), (171, 21828), (264, 22044), (283, 22089), (289, 22098), (301, 22137), (321, 22188), (322, 22191), (413, 22386), (449, 22455), (549, 22656), (551, 22659), (556, 22680), (596, 22776), (597, 22779), (599, 22785), (623, 22854), (628, 22872), (630, 22881), (639, 22911), (681, 23007), (693, 23040), (698, 23055), (745, 23196), (760, 23253), (794, 23364),

Gene: Qobbit_30 Start: 21776, Stop: 23569, Start Num: 105

Candidate Starts for Qobbit_30:

(Start: 105 @21776 has 8 MA's), (Start: 108 @21779 has 545 MA's), (232, 22013), (233, 22016), (262, 22088), (264, 22091), (Start: 268 @22106 has 11 MA's), (289, 22145), (292, 22151), (338, 22262), (373, 22349), (412, 22430), (413, 22433), (513, 22619), (540, 22682), (551, 22706), (553, 22712), (563, 22745), (597, 22826), (637, 22952), (651, 22994), (681, 23054), (693, 23087), (698, 23102), (735, 23201), (736, 23204), (738, 23216), (760, 23300), (780, 23366), (792, 23405), (794, 23411), (809, 23456), (824, 23513), (825, 23516),

Gene: Quallification_25 Start: 19952, Stop: 21631, Start Num: 94

Candidate Starts for Quallification_25:

(Start: 94 @19952 has 79 MA's), (Start: 147 @20036 has 45 MA's), (Start: 183 @20114 has 1 MA's), (227, 20201), (233, 20216), (257, 20264), (271, 20303), (306, 20390), (321, 20423), (342, 20459), (354, 20489), (356, 20495), (400, 20564), (424, 20594), (428, 20606), (429, 20609), (456, 20666), (517, 20798), (520, 20804), (547, 20870), (549, 20876), (556, 20900), (573, 20948), (584, 20972), (589, 20981), (616, 21056), (671, 21107), (678, 21122), (736, 21284), (742, 21311), (751, 21341), (780, 21446), (815, 21524), (822, 21560), (824, 21569), (833, 21602), (838, 21617),

Gene: QueenB2_28 Start: 20236, Stop: 22008, Start Num: 108

Candidate Starts for QueenB2_28:

(65, 20170), (Start: 90 @20212 has 8 MA's), (Start: 108 @20236 has 545 MA's), (232, 20470), (233, 20473), (262, 20545), (264, 20548), (289, 20602), (301, 20641), (318, 20686), (338, 20719), (373, 20806), (412, 20887), (413, 20890), (551, 21163), (597, 21283), (637, 21409), (669, 21463), (674, 21472), (681, 21493), (693, 21526), (698, 21541), (701, 21547), (724, 21601), (735, 21640), (738, 21655), (760, 21739), (794, 21850),

Gene: QueenBeesly_28 Start: 20118, Stop: 21890, Start Num: 108

Candidate Starts for QueenBeesly_28:

(65, 20052), (Start: 90 @20094 has 8 MA's), (Start: 108 @20118 has 545 MA's), (173, 20217), (202, 20301), (232, 20352), (233, 20355), (262, 20427), (264, 20430), (289, 20484), (301, 20523), (318, 20568), (338, 20601), (373, 20688), (412, 20769), (413, 20772), (551, 21045), (597, 21165), (637, 21291), (669, 21345), (693, 21408), (698, 21423), (701, 21429), (724, 21483), (735, 21522), (738, 21537), (742, 21552), (760, 21621), (794, 21732), (833, 21867),

Gene: QueenHazel_19 Start: 16491, Stop: 18224, Start Num: 96

Candidate Starts for QueenHazel_19:

(40, 16344), (43, 16371), (44, 16374), (47, 16383), (Start: 78 @16464 has 41 MA's), (Start: 96 @16491 has 6 MA's), (159, 16590), (165, 16599), (190, 16665), (199, 16689), (232, 16749), (233, 16752), (247, 16779), (320, 16959), (337, 16983), (342, 16995), (352, 17019), (420, 17145), (427, 17160), (430, 17169), (448, 17205), (456, 17223), (480, 17283), (564, 17475), (571, 17484), (584, 17517), (671, 17661), (689, 17706), (727, 17808), (729, 17817), (734, 17835), (735, 17838), (760, 17937), (776, 17997), (782, 18015), (792, 18051), (795, 18066), (815, 18114), (831, 18183),

Gene: QuickMath_17 Start: 16152, Stop: 17861, Start Num: 87

Candidate Starts for QuickMath_17:

(Start: 87 @16152 has 207 MA's), (150, 16239), (Start: 175 @16284 has 47 MA's), (182, 16308), (230, 16413), (233, 16419), (242, 16437), (257, 16467), (300, 16572), (302, 16578), (323, 16632), (329, 16641), (338, 16653), (342, 16662), (352, 16686), (402, 16773), (408, 16788), (420, 16812), (427, 16827), (429, 16833), (445, 16869), (448, 16872), (455, 16884), (456, 16890), (474, 16938), (480, 16950), (484, 16956), (515, 17016), (522, 17028), (538, 17064), (541, 17076), (549, 17097), (571, 17151), (573, 17160), (581, 17178), (584, 17184), (596, 17214), (667, 17319), (671, 17328), (673, 17331), (687, 17367), (713, 17433), (716, 17445), (744, 17544), (751, 17565), (759, 17598), (768, 17628), (776, 17658), (779, 17667), (781, 17673), (792, 17688), (793, 17691), (800, 17715), (813, 17745), (817, 17757), (822, 17787), (833, 17829),

Gene: Quico_17 Start: 14636, Stop: 16345, Start Num: 87

Candidate Starts for Quico_17:

(Start: 87 @14636 has 207 MA's), (150, 14723), (Start: 175 @14768 has 47 MA's), (182, 14792), (230, 14897), (233, 14903), (242, 14921), (257, 14951), (300, 15056), (323, 15116), (338, 15137), (342, 15146), (352, 15170), (420, 15296), (427, 15311), (429, 15317), (435, 15335), (436, 15338), (445, 15353), (448, 15356), (455, 15368), (456, 15374), (459, 15383), (474, 15422), (480, 15434), (484, 15440), (515, 15500), (538, 15548), (541, 15560), (571, 15635), (573, 15644), (581, 15662), (584, 15668), (596, 15698), (667, 15803), (673, 15815), (687, 15851), (716, 15929), (744, 16028), (751, 16049), (759, 16082), (768, 16112), (776, 16142), (779, 16151), (781, 16157), (792, 16172), (793, 16175), (798, 16196), (800, 16199), (817, 16241), (822, 16271), (833, 16313),

Gene: QuincyRose_22 Start: 17168, Stop: 18934, Start Num: 79

Candidate Starts for QuincyRose_22:

(Start: 79 @17168 has 139 MA's), (101, 17198), (184, 17357), (Start: 196 @17390 has 7 MA's), (210, 17420), (221, 17453), (227, 17465), (266, 17555), (288, 17597), (310, 17669), (315, 17678), (338,

17717), (356, 17762), (363, 17783), (365, 17786), (393, 17840), (399, 17858), (412, 17900), (418, 17906), (430, 17933), (515, 18071), (525, 18089), (541, 18131), (548, 18149), (558, 18179), (573, 18206), (612, 18311), (681, 18470), (694, 18506), (718, 18545), (745, 18620), (759, 18671), (824, 18866), (834, 18905), (835, 18908), (843, 18926),

Gene: QuinnKiro_27 Start: 20455, Stop: 22254, Start Num: 108

Candidate Starts for QuinnKiro_27:

(Start: 108 @20455 has 545 MA's), (Start: 146 @20515 has 1 MA's), (179, 20584), (227, 20686), (232, 20698), (233, 20701), (264, 20776), (Start: 268 @20791 has 11 MA's), (289, 20830), (347, 20965), (373, 21034), (430, 21148), (495, 21274), (549, 21388), (556, 21412), (559, 21424), (563, 21430), (597, 21511), (623, 21586), (628, 21604), (630, 21613), (637, 21637), (639, 21643), (645, 21658), (662, 21691), (680, 21736), (681, 21739), (689, 21760), (736, 21889), (760, 21985), (792, 22090), (794, 22096), (833, 22231),

Gene: Quokka_26 Start: 19074, Stop: 20864, Start Num: 108

Candidate Starts for Quokka_26:

(65, 19008), (Start: 90 @19050 has 8 MA's), (Start: 108 @19074 has 545 MA's), (184, 19212), (189, 19227), (232, 19308), (233, 19311), (262, 19383), (264, 19386), (289, 19440), (292, 19446), (297, 19464), (318, 19524), (338, 19557), (341, 19563), (356, 19602), (373, 19644), (412, 19725), (413, 19728), (441, 19788), (513, 19914), (549, 19998), (563, 20040), (583, 20091), (597, 20121), (637, 20247), (665, 20310), (693, 20382), (698, 20397), (710, 20421), (735, 20496), (738, 20511), (760, 20595), (792, 20700), (794, 20706), (798, 20724), (809, 20751), (813, 20760),

Gene: REQ2_20 Start: 19089, Stop: 20663, Start Num: 121

Candidate Starts for REQ2_20:

(Start: 121 @19089 has 2 MA's), (173, 19173), (184, 19212), (249, 19347), (284, 19428), (305, 19491), (427, 19671), (428, 19674), (429, 19677), (456, 19737), (474, 19785), (506, 19848), (515, 19866), (522, 19878), (533, 19902), (541, 19926), (546, 19938), (558, 19974), (610, 20073), (622, 20103), (623, 20106), (682, 20175), (692, 20196), (711, 20241), (716, 20259), (727, 20289), (740, 20340), (755, 20397), (768, 20439), (827, 20616),

Gene: RER2_16 Start: 13221, Stop: 14846, Start Num: 130

Candidate Starts for RER2_16:

(Start: 120 @13206 has 4 MA's), (Start: 130 @13221 has 32 MA's), (169, 13290), (181, 13326), (208, 13398), (264, 13512), (313, 13641), (338, 13683), (347, 13701), (351, 13710), (358, 13734), (365, 13752), (389, 13776), (392, 13782), (395, 13797), (397, 13800), (413, 13848), (540, 14049), (551, 14073), (596, 14187), (623, 14265), (633, 14304), (637, 14316), (669, 14346), (698, 14424), (757, 14571), (788, 14670), (792, 14685), (838, 14838),

Gene: RGL3_16 Start: 13452, Stop: 15005, Start Num: 169

Candidate Starts for RGL3_16:

(104, 13356), (Start: 120 @13368 has 4 MA's), (Start: 130 @13383 has 32 MA's), (169, 13452), (181, 13488), (193, 13521), (208, 13560), (244, 13629), (264, 13674), (Start: 268 @13689 has 11 MA's), (313, 13803), (318, 13812), (352, 13878), (358, 13896), (365, 13914), (392, 13944), (395, 13959), (397, 13962), (410, 14001), (413, 14010), (430, 14040), (522, 14160), (551, 14232), (563, 14271), (583, 14319), (596, 14346), (633, 14463), (637, 14475), (669, 14505), (698, 14583), (757, 14730), (776, 14796), (788, 14829), (792, 14844), (838, 14997),

Gene: Rabbs_18 Start: 16648, Stop: 18411, Start Num: 75

Candidate Starts for Rabbs_18:

(Start: 75 @16648 has 25 MA's), (Start: 97 @16657 has 44 MA's), (101, 16663), (Start: 105 @16669 has 8 MA's), (154, 16747), (179, 16801), (Start: 196 @16852 has 7 MA's), (210, 16882), (219, 16906), (264, 17008), (279, 17047), (283, 17053), (292, 17068), (359, 17233), (385, 17290), (399, 17329),

(412, 17371), (418, 17377), (434, 17416), (500, 17515), (515, 17542), (606, 17770), (612, 17788), (623, 17815), (648, 17899), (665, 17917), (677, 17932), (698, 17995), (733, 18058), (741, 18082), (751, 18115), (760, 18154), (776, 18196), (824, 18343), (843, 18403),

Gene: Rachaly_31 Start: 21834, Stop: 23606, Start Num: 108

Candidate Starts for Rachaly_31:

(Start: 90 @21810 has 8 MA's), (Start: 108 @21834 has 545 MA's), (202, 22017), (232, 22068), (233, 22071), (262, 22143), (264, 22146), (289, 22200), (301, 22239), (338, 22317), (373, 22404), (412, 22485), (413, 22488), (434, 22530), (513, 22674), (540, 22737), (551, 22761), (563, 22800), (597, 22881), (639, 23013), (693, 23124), (698, 23139), (701, 23145), (714, 23175), (724, 23199), (735, 23238), (738, 23253), (747, 23286), (760, 23337), (784, 23415), (792, 23442), (794, 23448), (813, 23502),

Gene: Radiance_16 Start: 14789, Stop: 16498, Start Num: 87

Candidate Starts for Radiance_16:

(Start: 87 @14789 has 207 MA's), (150, 14876), (Start: 175 @14921 has 47 MA's), (182, 14945), (203, 15002), (230, 15050), (233, 15056), (242, 15074), (257, 15104), (300, 15209), (323, 15269), (329, 15278), (342, 15299), (352, 15323), (365, 15359), (368, 15365), (396, 15398), (398, 15401), (402, 15410), (408, 15425), (410, 15431), (420, 15449), (427, 15464), (429, 15470), (435, 15488), (436, 15491), (445, 15506), (448, 15509), (455, 15521), (456, 15527), (474, 15575), (480, 15587), (484, 15593), (515, 15653), (522, 15665), (538, 15701), (541, 15713), (571, 15788), (573, 15797), (581, 15815), (584, 15821), (596, 15851), (667, 15956), (671, 15965), (673, 15968), (687, 16004), (716, 16082), (744, 16181), (751, 16202), (759, 16235), (768, 16265), (776, 16295), (779, 16304), (781, 16310), (792, 16325), (793, 16328), (800, 16352), (813, 16382), (817, 16394), (822, 16424), (833, 16466),

Gene: Rahalelujah_27 Start: 19606, Stop: 21396, Start Num: 108

Candidate Starts for Rahalelujah_27:

(65, 19540), (Start: 97 @19591 has 44 MA's), (Start: 108 @19606 has 545 MA's), (171, 19702), (173, 19705), (Start: 209 @19807 has 1 MA's), (232, 19840), (233, 19843), (262, 19915), (264, 19918), (289, 19972), (292, 19978), (321, 20062), (338, 20089), (341, 20095), (343, 20101), (373, 20176), (412, 20257), (413, 20260), (441, 20320), (513, 20446), (540, 20509), (551, 20533), (559, 20566), (563, 20572), (597, 20653), (653, 20824), (681, 20881), (693, 20914), (698, 20929), (710, 20953), (724, 20989), (735, 21028), (738, 21043), (760, 21127), (780, 21193), (792, 21232), (794, 21238), (809, 21283),

Gene: Raid_28 Start: 21169, Stop: 22971, Start Num: 109

Candidate Starts for Raid_28:

(Start: 109 @21169 has 207 MA's), (Start: 124 @21190 has 4 MA's), (Start: 146 @21232 has 1 MA's), (171, 21277), (264, 21493), (283, 21538), (289, 21547), (301, 21586), (321, 21637), (322, 21640), (413, 21835), (449, 21904), (549, 22105), (551, 22108), (556, 22129), (596, 22225), (597, 22228), (599, 22234), (623, 22303), (628, 22321), (630, 22330), (639, 22360), (681, 22456), (693, 22489), (698, 22504), (745, 22645), (760, 22702), (794, 22813),

Gene: Rajelicia_27 Start: 20881, Stop: 22683, Start Num: 109

Candidate Starts for Rajelicia_27:

(Start: 109 @20881 has 207 MA's), (Start: 124 @20902 has 4 MA's), (Start: 146 @20944 has 1 MA's), (171, 20989), (264, 21205), (283, 21250), (289, 21259), (321, 21349), (322, 21352), (365, 21445), (413, 21547), (449, 21616), (545, 21805), (549, 21817), (551, 21820), (556, 21841), (596, 21937), (597, 21940), (599, 21946), (623, 22015), (628, 22033), (630, 22042), (639, 22072), (681, 22168), (693, 22201), (698, 22216), (745, 22357), (760, 22414), (794, 22525),

Gene: Rakim_25 Start: 19943, Stop: 21538, Start Num: 147

Candidate Starts for Rakim_25:

(Start: 94 @19859 has 79 MA's), (Start: 147 @19943 has 45 MA's), (Start: 183 @20021 has 1 MA's), (227, 20108), (233, 20123), (257, 20171), (271, 20210), (306, 20297), (321, 20330), (342, 20366), (354, 20396), (356, 20402), (400, 20471), (424, 20501), (428, 20513), (429, 20516), (456, 20573), (517, 20705), (520, 20711), (547, 20777), (549, 20783), (556, 20807), (573, 20855), (584, 20879), (589, 20888), (616, 20963), (671, 21014), (678, 21029), (736, 21191), (742, 21218), (751, 21248), (780, 21353), (815, 21431), (822, 21467), (824, 21476), (833, 21509), (838, 21524),

Gene: Ramen_23 Start: 17154, Stop: 18920, Start Num: 79

Candidate Starts for Ramen_23:

(Start: 79 @17154 has 139 MA's), (101, 17184), (184, 17343), (Start: 196 @17376 has 7 MA's), (210, 17406), (221, 17439), (227, 17451), (266, 17541), (288, 17583), (310, 17655), (315, 17664), (338, 17703), (356, 17748), (363, 17769), (365, 17772), (393, 17826), (399, 17844), (412, 17886), (418, 17892), (430, 17919), (515, 18057), (525, 18075), (541, 18117), (548, 18135), (558, 18165), (573, 18192), (612, 18297), (681, 18456), (694, 18492), (706, 18522), (718, 18531), (745, 18606), (759, 18657), (824, 18852), (834, 18891), (835, 18894), (843, 18912),

Gene: Ramsey_17 Start: 14835, Stop: 16544, Start Num: 87

Candidate Starts for Ramsey_17:

(Start: 87 @14835 has 207 MA's), (150, 14922), (Start: 175 @14967 has 47 MA's), (182, 14991), (230, 15096), (233, 15102), (242, 15120), (257, 15150), (300, 15255), (323, 15315), (338, 15336), (342, 15345), (352, 15369), (396, 15444), (420, 15495), (427, 15510), (429, 15516), (445, 15552), (448, 15555), (455, 15567), (456, 15573), (474, 15621), (480, 15633), (484, 15639), (515, 15699), (522, 15711), (538, 15747), (541, 15759), (571, 15834), (573, 15843), (581, 15861), (584, 15867), (596, 15897), (667, 16002), (673, 16014), (687, 16050), (716, 16128), (744, 16227), (751, 16248), (759, 16281), (768, 16311), (776, 16341), (778, 16347), (779, 16350), (781, 16356), (792, 16371), (793, 16374), (798, 16395), (800, 16398), (817, 16440), (833, 16512), (834, 16518),

Gene: Rapunzel97_23 Start: 17155, Stop: 18921, Start Num: 79

Candidate Starts for Rapunzel97_23:

(Start: 79 @17155 has 139 MA's), (101, 17185), (184, 17344), (Start: 196 @17377 has 7 MA's), (210, 17407), (221, 17440), (227, 17452), (266, 17542), (288, 17584), (310, 17656), (315, 17665), (338, 17704), (356, 17749), (363, 17770), (365, 17773), (393, 17827), (399, 17845), (412, 17887), (418, 17893), (430, 17920), (515, 18058), (525, 18076), (541, 18118), (548, 18136), (558, 18166), (573, 18193), (612, 18298), (681, 18457), (694, 18493), (706, 18523), (718, 18532), (745, 18607), (759, 18658), (795, 18757), (824, 18853), (834, 18892), (835, 18895), (843, 18913),

Gene: Rasputin_23 Start: 16317, Stop: 17942, Start Num: 130

Candidate Starts for Rasputin_23:

(Start: 120 @16302 has 4 MA's), (Start: 130 @16317 has 32 MA's), (169, 16386), (181, 16422), (264, 16608), (313, 16737), (338, 16779), (351, 16806), (358, 16830), (365, 16848), (392, 16878), (395, 16893), (413, 16944), (456, 17028), (540, 17145), (551, 17169), (596, 17283), (611, 17331), (623, 17361), (633, 17400), (637, 17412), (669, 17442), (698, 17520), (757, 17667), (763, 17691), (774, 17727), (788, 17766), (838, 17934),

Gene: RavenCo17_17 Start: 15550, Stop: 17259, Start Num: 195

Candidate Starts for RavenCo17_17:

(Start: 121 @15379 has 2 MA's), (140, 15415), (Start: 195 @15550 has 39 MA's), (244, 15667), (301, 15817), (351, 15913), (359, 15940), (405, 16030), (406, 16033), (409, 16045), (487, 16219), (534, 16336), (541, 16360), (564, 16408), (604, 16525), (625, 16582), (634, 16621), (655, 16678), (711, 16807), (785, 17062), (787, 17065), (797, 17113), (810, 17143),

Gene: Raymond7_18 Start: 14993, Stop: 16702, Start Num: 91

Candidate Starts for Raymond7_18:

(Start: 91 @14993 has 42 MA's), (115, 15020), (136, 15059), (Start: 175 @15125 has 47 MA's), (178, 15137), (190, 15173), (199, 15197), (213, 15224), (227, 15245), (230, 15254), (233, 15260), (251, 15293), (320, 15467), (323, 15473), (329, 15482), (337, 15491), (342, 15503), (352, 15527), (368, 15569), (396, 15602), (420, 15653), (422, 15656), (427, 15668), (445, 15710), (455, 15725), (456, 15731), (474, 15779), (497, 15833), (515, 15857), (546, 15929), (564, 15983), (571, 15992), (573, 16001), (584, 16025), (595, 16052), (596, 16055), (667, 16160), (671, 16169), (687, 16208), (717, 16289), (735, 16346), (744, 16385), (776, 16499), (792, 16529), (793, 16532), (800, 16556), (815, 16592), (817, 16598),

Gene: ReMo_30 Start: 19093, Stop: 20880, Start Num: 108

Candidate Starts for ReMo_30:

(65, 19027), (Start: 90 @19069 has 8 MA's), (Start: 108 @19093 has 545 MA's), (184, 19231), (207, 19288), (233, 19330), (247, 19366), (264, 19405), (295, 19474), (301, 19498), (322, 19552), (399, 19702), (413, 19747), (430, 19777), (446, 19813), (468, 19864), (493, 19900), (522, 19948), (546, 20008), (596, 20137), (623, 20215), (698, 20416), (701, 20422), (736, 20518), (782, 20683), (815, 20782),

Gene: Reba_30 Start: 20125, Stop: 21921, Start Num: 108

Candidate Starts for Reba_30:

(Start: 108 @20125 has 545 MA's), (Start: 146 @20182 has 1 MA's), (154, 20197), (179, 20251), (Start: 183 @20266 has 1 MA's), (227, 20353), (232, 20365), (233, 20368), (264, 20443), (Start: 268 @20458 has 11 MA's), (373, 20701), (449, 20854), (495, 20941), (540, 21034), (549, 21055), (556, 21079), (559, 21091), (563, 21097), (597, 21178), (623, 21253), (628, 21271), (630, 21280), (637, 21304), (639, 21310), (653, 21349), (680, 21403), (681, 21406), (689, 21427), (760, 21652), (792, 21757), (794, 21763), (833, 21898),

Gene: Rebel_18 Start: 14990, Stop: 16699, Start Num: 91

Candidate Starts for Rebel_18:

(Start: 91 @14990 has 42 MA's), (115, 15017), (136, 15056), (Start: 175 @15122 has 47 MA's), (178, 15134), (190, 15170), (199, 15194), (213, 15221), (227, 15242), (230, 15251), (233, 15257), (251, 15290), (320, 15464), (323, 15470), (329, 15479), (337, 15488), (342, 15500), (352, 15524), (368, 15566), (396, 15599), (420, 15650), (422, 15653), (427, 15665), (445, 15707), (455, 15722), (456, 15728), (474, 15776), (497, 15830), (515, 15854), (546, 15926), (564, 15980), (571, 15989), (573, 15998), (584, 16022), (595, 16049), (596, 16052), (667, 16157), (671, 16166), (687, 16205), (717, 16286), (735, 16343), (744, 16382), (776, 16496), (792, 16526), (793, 16529), (800, 16553), (815, 16589),

Gene: Rebeuca_28 Start: 19987, Stop: 21765, Start Num: 108

Candidate Starts for Rebeuca_28:

(Start: 108 @19987 has 545 MA's), (Start: 146 @20044 has 1 MA's), (154, 20059), (173, 20092), (179, 20113), (227, 20215), (232, 20227), (233, 20230), (264, 20305), (Start: 268 @20320 has 11 MA's), (289, 20359), (338, 20476), (343, 20488), (347, 20494), (373, 20563), (404, 20617), (410, 20638), (430, 20677), (449, 20716), (495, 20803), (522, 20848), (540, 20896), (549, 20917), (556, 20941), (559, 20953), (563, 20959), (597, 21040), (628, 21133), (630, 21142), (637, 21166), (639, 21172), (645, 21187), (669, 21220), (689, 21271), (695, 21289), (745, 21439), (760, 21496), (768, 21520), (770, 21526), (792, 21601), (794, 21607), (795, 21616), (815, 21667), (833, 21742),

Gene: RedBird_16 Start: 14766, Stop: 16475, Start Num: 87

Candidate Starts for RedBird_16:

(Start: 87 @14766 has 207 MA's), (150, 14853), (Start: 175 @14898 has 47 MA's), (182, 14922), (230, 15027), (233, 15033), (242, 15051), (257, 15081), (300, 15186), (323, 15246), (338, 15267), (342, 15276), (352, 15300), (420, 15426), (427, 15441), (429, 15447), (445, 15483), (448, 15486), (455,

15498), (456, 15504), (474, 15552), (480, 15564), (484, 15570), (515, 15630), (522, 15642), (538, 15678), (541, 15690), (571, 15765), (573, 15774), (581, 15792), (584, 15798), (596, 15828), (667, 15933), (671, 15942), (673, 15945), (687, 15981), (716, 16059), (744, 16158), (751, 16179), (759, 16212), (768, 16242), (776, 16272), (779, 16281), (781, 16287), (792, 16302), (793, 16305), (800, 16329), (817, 16371), (822, 16401), (833, 16443),

Gene: RedRaider_48 Start: 32716, Stop: 34338, Start Num: 194

Candidate Starts for RedRaider_48:

(Start: 194 @32716 has 87 MA's), (243, 32833), (272, 32911), (351, 33073), (353, 33085), (359, 33100), (401, 33166), (405, 33181), (457, 33292), (469, 33322), (470, 33325), (499, 33382), (532, 33454), (570, 33559), (604, 33646), (622, 33694), (669, 33820), (670, 33823), (683, 33856), (713, 33913), (751, 34042), (760, 34081), (799, 34186), (820, 34249), (822, 34261), (825, 34273), (838, 34318),

Gene: RedRock_31 Start: 22100, Stop: 23872, Start Num: 108

Candidate Starts for RedRock_31:

(Start: 90 @22076 has 8 MA's), (Start: 108 @22100 has 545 MA's), (202, 22283), (233, 22337), (262, 22409), (264, 22412), (289, 22466), (292, 22472), (301, 22505), (338, 22583), (341, 22589), (347, 22601), (373, 22670), (410, 22745), (412, 22751), (413, 22754), (434, 22796), (515, 22943), (549, 23024), (551, 23027), (563, 23066), (592, 23132), (597, 23147), (639, 23279), (669, 23327), (689, 23378), (693, 23390), (698, 23405), (701, 23411), (724, 23465), (738, 23519), (760, 23603), (780, 23669), (792, 23708), (794, 23714),

Gene: Redi_18 Start: 14993, Stop: 16702, Start Num: 91

Candidate Starts for Redi_18:

(Start: 91 @14993 has 42 MA's), (115, 15020), (136, 15059), (Start: 175 @15125 has 47 MA's), (178, 15137), (190, 15173), (199, 15197), (213, 15224), (227, 15245), (230, 15254), (233, 15260), (251, 15293), (320, 15467), (323, 15473), (329, 15482), (337, 15491), (342, 15503), (352, 15527), (368, 15569), (396, 15602), (420, 15653), (422, 15656), (427, 15668), (445, 15710), (455, 15725), (456, 15731), (474, 15779), (497, 15833), (515, 15857), (546, 15929), (564, 15983), (571, 15992), (573, 16001), (584, 16025), (595, 16052), (596, 16055), (667, 16160), (671, 16169), (687, 16208), (717, 16289), (735, 16346), (744, 16385), (776, 16499), (792, 16529), (793, 16532), (800, 16556), (815, 16592),

Gene: Redno2_35 Start: 27084, Stop: 29082, Start Num: 89

Candidate Starts for Redno2_35:

(Start: 89 @27084 has 30 MA's), (Start: 147 @27174 has 45 MA's), (172, 27222), (182, 27252), (244, 27381), (259, 27411), (298, 27510), (309, 27546), (321, 27573), (356, 27645), (359, 27654), (368, 27675), (410, 27744), (429, 27783), (430, 27786), (435, 27801), (456, 27840), (474, 27888), (480, 27900), (484, 27906), (503, 27954), (507, 27963), (517, 27984), (526, 28002), (545, 28050), (581, 28152), (610, 28224), (627, 28269), (629, 28281), (656, 28416), (657, 28422), (658, 28446), (659, 28518), (665, 28545), (752, 28794),

Gene: Refuge_31 Start: 23112, Stop: 24884, Start Num: 108

Candidate Starts for Refuge_31:

(65, 23046), (Start: 90 @23088 has 8 MA's), (Start: 97 @23097 has 44 MA's), (Start: 108 @23112 has 545 MA's), (189, 23265), (232, 23346), (233, 23349), (262, 23421), (264, 23424), (289, 23478), (292, 23484), (338, 23595), (373, 23682), (412, 23763), (413, 23766), (563, 24078), (597, 24159), (601, 24174), (683, 24378), (693, 24402), (698, 24417), (701, 24423), (710, 24441), (713, 24447), (735, 24516), (738, 24531), (747, 24564), (760, 24615), (833, 24861),

Gene: Relief_27 Start: 19825, Stop: 21603, Start Num: 108

Candidate Starts for Relief_27:

(Start: 90 @19801 has 8 MA's), (Start: 108 @19825 has 545 MA's), (Start: 146 @19882 has 1 MA's), (Start: 175 @19936 has 47 MA's), (179, 19951), (184, 19969), (227, 20053), (232, 20065), (233, 20068), (264, 20143), (Start: 268 @20158 has 11 MA's), (289, 20197), (338, 20314), (373, 20401), (412, 20482), (435, 20530), (449, 20554), (495, 20641), (522, 20686), (551, 20758), (556, 20779), (563, 20797), (597, 20878), (628, 20971), (630, 20980), (637, 21004), (639, 21010), (647, 21034), (681, 21088), (689, 21109), (710, 21160), (719, 21184), (736, 21238), (760, 21334), (792, 21439), (795, 21454), (828, 21562), (833, 21580),

Gene: Rem711_25 Start: 19029, Stop: 20768, Start Num: 78

Candidate Starts for Rem711_25:

(Start: 78 @19029 has 41 MA's), (141, 19101), (193, 19221), (265, 19401), (293, 19464), (309, 19515), (318, 19536), (343, 19581), (399, 19698), (401, 19701), (434, 19785), (435, 19788), (442, 19803), (454, 19821), (630, 20205), (631, 20211), (702, 20364), (753, 20484), (757, 20502), (815, 20655), (834, 20739), (835, 20742), (843, 20760),

Gene: Remus_30 Start: 19057, Stop: 20844, Start Num: 108

Candidate Starts for Remus_30:

(65, 18991), (Start: 90 @19033 has 8 MA's), (Start: 108 @19057 has 545 MA's), (184, 19195), (207, 19252), (233, 19294), (247, 19330), (264, 19369), (295, 19438), (301, 19462), (322, 19516), (399, 19666), (413, 19711), (430, 19741), (446, 19777), (468, 19828), (493, 19864), (522, 19912), (546, 19972), (596, 20101), (623, 20179), (698, 20380), (701, 20386), (736, 20482), (782, 20647), (815, 20746),

Gene: Remy19_18 Start: 16640, Stop: 18403, Start Num: 75

Candidate Starts for Remy19_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Renaissance_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Renaissance_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Reptar3000_24 Start: 18363, Stop: 20150, Start Num: 78

Candidate Starts for Reptar3000_24:

(Start: 62 @18327 has 1 MA's), (Start: 75 @18357 has 25 MA's), (Start: 78 @18363 has 41 MA's), (Start: 79 @18366 has 139 MA's), (154, 18468), (Start: 175 @18507 has 47 MA's), (179, 18522), (184, 18540), (Start: 196 @18573 has 7 MA's), (210, 18603), (227, 18648), (266, 18738), (Start: 268 @18744 has 11 MA's), (283, 18774), (306, 18840), (310, 18852), (373, 18987), (395, 19035), (399, 19041), (418, 19089), (434, 19128), (528, 19278), (542, 19317), (549, 19335), (557, 19362), (582, 19437), (612, 19518), (630, 19572), (645, 19617), (664, 19653), (668, 19662), (693, 19719), (706, 19752), (718, 19761), (742, 19824), (745, 19836), (759, 19887), (760, 19893), (795, 19986), (798, 19995), (834, 20121), (843, 20142),

Gene: ResDef_28 Start: 20455, Stop: 22254, Start Num: 108

Candidate Starts for ResDef_28:

(Start: 108 @20455 has 545 MA's), (Start: 146 @20515 has 1 MA's), (179, 20584), (227, 20686), (232, 20698), (233, 20701), (264, 20776), (Start: 268 @20791 has 11 MA's), (289, 20830), (347, 20965), (373, 21034), (430, 21148), (495, 21274), (549, 21388), (556, 21412), (559, 21424), (563, 21430), (597, 21511), (623, 21586), (628, 21604), (630, 21613), (637, 21637), (639, 21643), (645, 21658), (662, 21691), (680, 21736), (681, 21739), (689, 21760), (736, 21889), (760, 21985), (792, 22090), (794, 22096), (833, 22231),

Gene: Retro23_28 Start: 20266, Stop: 22038, Start Num: 108

Candidate Starts for Retro23_28:

(Start: 90 @20242 has 8 MA's), (Start: 108 @20266 has 545 MA's), (232, 20500), (233, 20503), (262, 20575), (264, 20578), (289, 20632), (301, 20671), (318, 20716), (338, 20749), (373, 20836), (412, 20917), (413, 20920), (551, 21193), (597, 21313), (637, 21439), (669, 21493), (693, 21556), (698, 21571), (701, 21577), (724, 21631), (735, 21670), (738, 21685), (760, 21769), (794, 21880), (833, 22015),

Gene: RexFury_23 Start: 16380, Stop: 18005, Start Num: 130

Candidate Starts for RexFury_23:

(Start: 120 @16365 has 4 MA's), (Start: 130 @16380 has 32 MA's), (169, 16449), (181, 16485), (208, 16557), (264, 16671), (313, 16800), (338, 16842), (347, 16860), (351, 16869), (358, 16893), (365, 16911), (389, 16935), (392, 16941), (395, 16956), (397, 16959), (413, 17007), (540, 17208), (551, 17232), (596, 17346), (623, 17424), (633, 17463), (637, 17475), (669, 17505), (698, 17583), (757, 17730), (788, 17829), (792, 17844), (838, 17997),

Gene: Reyja_19 Start: 15160, Stop: 16776, Start Num: 117

Candidate Starts for Reyja_19:

(Start: 117 @15160 has 11 MA's), (173, 15259), (180, 15283), (232, 15394), (233, 15397), (241, 15415), (244, 15424), (270, 15490), (277, 15505), (284, 15514), (287, 15520), (310, 15592), (319, 15610), (350, 15664), (352, 15673), (373, 15727), (429, 15763), (430, 15766), (477, 15874), (512, 15946), (515, 15952), (520, 15961), (529, 15979), (561, 16069), (593, 16138), (610, 16183), (615, 16201), (622, 16213), (681, 16279), (700, 16327), (704, 16339), (711, 16351), (717, 16372), (722, 16384), (727, 16399), (736, 16429), (744, 16465), (809, 16654), (825, 16717), (831, 16738), (838, 16762),

Gene: Rhodalysa_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for Rhodalysa_23:

(Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (208, 16526), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (389, 16904), (392, 16910), (395, 16925), (397, 16928), (413, 16976), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: RhynO_28 Start: 19944, Stop: 21722, Start Num: 108

Candidate Starts for RhynO_28:

(Start: 108 @19944 has 545 MA's), (Start: 146 @20001 has 1 MA's), (154, 20016), (173, 20049), (179, 20070), (227, 20172), (232, 20184), (233, 20187), (264, 20262), (Start: 268 @20277 has 11 MA's), (289, 20316), (338, 20433), (347, 20451), (373, 20520), (404, 20574), (410, 20595), (430, 20634), (449, 20673), (495, 20760), (522, 20805), (540, 20853), (549, 20874), (556, 20898), (559, 20910), (563, 20916), (597, 20997), (628, 21090), (630, 21099), (637, 21123), (639, 21129), (645, 21144), (669, 21177), (689, 21228), (695, 21246), (714, 21291), (745, 21396), (760, 21453), (768, 21477), (770, 21483), (792, 21558), (794, 21564), (795, 21573), (815, 21624), (833, 21699),

Gene: Rhynn_27 Start: 21169, Stop: 22971, Start Num: 109

Candidate Starts for Rhynn_27:

(Start: 109 @21169 has 207 MA's), (Start: 124 @21190 has 4 MA's), (Start: 146 @21232 has 1 MA's), (171, 21277), (264, 21493), (283, 21538), (289, 21547), (301, 21586), (321, 21637), (322, 21640), (413, 21835), (449, 21904), (549, 22105), (551, 22108), (556, 22129), (596, 22225), (597, 22228), (599, 22234), (623, 22303), (628, 22321), (630, 22330), (639, 22360), (681, 22456), (693, 22489), (698, 22504), (745, 22645), (760, 22702), (794, 22813),

Gene: Rialto_18 Start: 15316, Stop: 17025, Start Num: 87

Candidate Starts for Rialto_18:

(Start: 87 @15316 has 207 MA's), (150, 15403), (161, 15424), (Start: 175 @15448 has 47 MA's), (182, 15472), (187, 15493), (230, 15577), (233, 15583), (242, 15601), (257, 15631), (300, 15736), (323, 15796), (338, 15817), (342, 15826), (352, 15850), (396, 15925), (398, 15928), (402, 15937), (408, 15952), (410, 15958), (420, 15976), (427, 15991), (429, 15997), (436, 16018), (445, 16033), (455, 16048), (456, 16054), (474, 16102), (480, 16114), (484, 16120), (515, 16180), (522, 16192), (538, 16228), (541, 16240), (571, 16315), (573, 16324), (581, 16342), (584, 16348), (596, 16378), (667, 16483), (673, 16495), (687, 16531), (716, 16609), (751, 16729), (759, 16762), (768, 16792), (771, 16804), (776, 16822), (778, 16828), (779, 16831), (781, 16837), (792, 16852), (793, 16855), (798, 16876), (800, 16879), (817, 16921), (822, 16951), (833, 16993), (834, 16999),

Gene: Richo_23 Start: 16514, Stop: 18280, Start Num: 79

Candidate Starts for Richo_23:

(Start: 75 @16505 has 25 MA's), (Start: 79 @16514 has 139 MA's), (Start: 81 @16520 has 15 MA's), (101, 16544), (129, 16583), (Start: 175 @16670 has 47 MA's), (179, 16685), (184, 16703), (Start: 196 @16736 has 7 MA's), (266, 16901), (283, 16937), (310, 17015), (315, 17024), (363, 17129), (365, 17132), (384, 17171), (395, 17198), (399, 17204), (412, 17246), (418, 17252), (430, 17279), (515, 17417), (525, 17435), (558, 17525), (573, 17552), (586, 17585), (612, 17657), (630, 17711), (641, 17747), (649, 17771), (681, 17816), (693, 17849), (698, 17864), (706, 17882), (718, 17891), (745, 17966), (759, 18017), (760, 18023), (798, 18125), (834, 18251), (835, 18254), (843, 18272),

Gene: RidgeCB_27 Start: 20944, Stop: 22746, Start Num: 109

Candidate Starts for RidgeCB_27:

(Start: 109 @20944 has 207 MA's), (Start: 124 @20965 has 4 MA's), (Start: 146 @21007 has 1 MA's), (171, 21052), (264, 21268), (283, 21313), (289, 21322), (301, 21361), (321, 21412), (322, 21415), (413, 21610), (449, 21679), (549, 21880), (551, 21883), (556, 21904), (596, 22000), (597, 22003), (599, 22009), (623, 22078), (628, 22096), (630, 22105), (639, 22135), (681, 22231), (693, 22264), (698, 22279), (745, 22420), (760, 22477), (794, 22588), (840, 22741),

Gene: Rifter_31 Start: 19962, Stop: 21734, Start Num: 108

Candidate Starts for Rifter_31:

(65, 19896), (Start: 90 @19938 has 8 MA's), (Start: 108 @19962 has 545 MA's), (233, 20199), (262, 20271), (264, 20274), (Start: 268 @20289 has 11 MA's), (289, 20328), (292, 20334), (338, 20445), (341, 20451), (356, 20490), (373, 20532), (399, 20571), (412, 20613), (413, 20616), (495, 20772), (557, 20913), (563, 20928), (639, 21141), (689, 21240), (698, 21267), (720, 21318), (724, 21327), (735, 21366), (738, 21381), (792, 21570), (794, 21576), (833, 21711),

Gene: Rimmer_23 Start: 19312, Stop: 20991, Start Num: 94

Candidate Starts for Rimmer_23:

(Start: 94 @19312 has 79 MA's), (Start: 147 @19396 has 45 MA's), (Start: 183 @19474 has 1 MA's), (227, 19561), (233, 19576), (257, 19624), (271, 19663), (306, 19750), (321, 19783), (342, 19819), (354, 19849), (356, 19855), (400, 19924), (424, 19954), (428, 19966), (429, 19969), (456, 20026), (517, 20158), (520, 20164), (547, 20230), (549, 20236), (556, 20260), (573, 20308), (584, 20332), (589, 20341), (616, 20416), (671, 20467), (678, 20482), (736, 20644), (742, 20671), (751, 20701), (780, 20806), (815, 20884), (822, 20920), (824, 20929), (833, 20962), (838, 20977),

Gene: Ringer_27 Start: 21821, Stop: 23623, Start Num: 109

Candidate Starts for Ringer_27:

(Start: 109 @21821 has 207 MA's), (Start: 124 @21842 has 4 MA's), (Start: 146 @21884 has 1 MA's), (171, 21929), (264, 22145), (283, 22190), (289, 22199), (301, 22238), (321, 22289), (322, 22292), (413, 22487), (449, 22556), (549, 22757), (551, 22760), (556, 22781), (596, 22877), (597, 22880), (599, 22886), (623, 22955), (628, 22973), (630, 22982), (639, 23012), (681, 23108), (693, 23141), (698, 23156), (745, 23297), (760, 23354), (794, 23465), (840, 23618),

Gene: Rita_16 Start: 14819, Stop: 16528, Start Num: 87

Candidate Starts for Rita_16:

(Start: 87 @14819 has 207 MA's), (150, 14906), (Start: 175 @14951 has 47 MA's), (182, 14975), (230, 15080), (233, 15086), (242, 15104), (247, 15113), (257, 15134), (300, 15239), (323, 15299), (338, 15320), (342, 15329), (352, 15353), (420, 15479), (427, 15494), (429, 15500), (445, 15536), (448, 15539), (455, 15551), (456, 15557), (474, 15605), (480, 15617), (484, 15623), (515, 15683), (522, 15695), (538, 15731), (541, 15743), (571, 15818), (573, 15827), (581, 15845), (584, 15851), (596, 15881), (667, 15986), (671, 15995), (673, 15998), (687, 16034), (716, 16112), (744, 16211), (751, 16232), (759, 16265), (768, 16295), (776, 16325), (779, 16334), (781, 16340), (792, 16355), (793, 16358), (800, 16382), (813, 16412), (817, 16424), (822, 16454), (833, 16496),

Gene: RitaG_16 Start: 14948, Stop: 16657, Start Num: 87

Candidate Starts for RitaG_16:

(Start: 87 @14948 has 207 MA's), (150, 15035), (Start: 175 @15080 has 47 MA's), (182, 15104), (230, 15209), (233, 15215), (242, 15233), (257, 15263), (300, 15368), (320, 15422), (323, 15428), (338, 15449), (342, 15458), (352, 15482), (420, 15608), (427, 15623), (429, 15629), (445, 15665), (448, 15668), (455, 15680), (456, 15686), (474, 15734), (480, 15746), (484, 15752), (515, 15812), (522, 15824), (538, 15860), (541, 15872), (571, 15947), (573, 15956), (581, 15974), (584, 15980), (596, 16010), (667, 16115), (673, 16127), (687, 16163), (716, 16241), (751, 16361), (759, 16394), (768, 16424), (771, 16436), (776, 16454), (779, 16463), (781, 16469), (792, 16484), (793, 16487), (800, 16511), (817, 16553), (822, 16583), (833, 16625),

Gene: RiverMonster_24 Start: 19585, Stop: 21180, Start Num: 147

Candidate Starts for RiverMonster_24:

(Start: 94 @19501 has 79 MA's), (Start: 147 @19585 has 45 MA's), (Start: 183 @19663 has 1 MA's), (227, 19750), (233, 19765), (257, 19813), (271, 19852), (306, 19939), (321, 19972), (342, 20008), (354, 20038), (356, 20044), (400, 20113), (424, 20143), (428, 20155), (429, 20158), (456, 20215), (517, 20347), (520, 20353), (547, 20419), (549, 20425), (556, 20449), (573, 20497), (584, 20521), (589, 20530), (616, 20605), (671, 20656), (678, 20671), (736, 20833), (742, 20860), (751, 20890), (780, 20995), (815, 21073), (822, 21109), (824, 21118), (833, 21151), (838, 21166),

Gene: RoadKill_30 Start: 27051, Stop: 28670, Start Num: 125

Candidate Starts for RoadKill_30:

(Start: 125 @27051 has 11 MA's), (136, 27072), (173, 27135), (227, 27258), (232, 27270), (257, 27327), (292, 27405), (299, 27432), (343, 27528), (430, 27642), (443, 27672), (465, 27720), (490, 27777), (515, 27825), (520, 27834), (541, 27885), (558, 27933), (622, 28098), (667, 28128), (711, 28236), (712, 28239), (727, 28284), (740, 28341), (742, 28347), (743, 28353), (756, 28401), (759, 28410), (760, 28416), (761, 28419), (776, 28470), (795, 28515), (818, 28584), (830, 28632), (833, 28644),

Gene: Roary_24 Start: 18619, Stop: 20409, Start Num: 108

Candidate Starts for Roary_24:

(Start: 90 @18595 has 8 MA's), (Start: 108 @18619 has 545 MA's), (170, 18712), (184, 18757), (233, 18856), (247, 18892), (264, 18931), (Start: 268 @18946 has 11 MA's), (288, 18982), (338, 19102),

(341, 19108), (399, 19228), (456, 19357), (495, 19429), (549, 19543), (628, 19759), (637, 19792), (681, 19894), (693, 19927), (698, 19942), (713, 19972), (791, 20242), (794, 20251), (795, 20260), (830, 20374),

Gene: Rockne_16 Start: 14790, Stop: 16499, Start Num: 87

Candidate Starts for Rockne_16:

(Start: 87 @14790 has 207 MA's), (150, 14877), (Start: 175 @14922 has 47 MA's), (182, 14946), (203, 15003), (230, 15051), (233, 15057), (242, 15075), (257, 15105), (279, 15159), (300, 15210), (320, 15264), (323, 15270), (329, 15279), (342, 15300), (352, 15324), (365, 15360), (368, 15366), (396, 15399), (398, 15402), (402, 15411), (408, 15426), (410, 15432), (420, 15450), (427, 15465), (429, 15471), (435, 15489), (436, 15492), (445, 15507), (455, 15522), (456, 15528), (474, 15576), (480, 15588), (484, 15594), (515, 15654), (522, 15666), (538, 15702), (541, 15714), (571, 15789), (573, 15798), (581, 15816), (584, 15822), (596, 15852), (667, 15957), (673, 15969), (687, 16005), (716, 16083), (751, 16203), (759, 16236), (768, 16266), (771, 16278), (776, 16296), (778, 16302), (779, 16305), (781, 16311), (792, 16326), (793, 16329), (798, 16350), (800, 16353), (817, 16395), (822, 16425), (833, 16467), (834, 16473),

Gene: Rockstar_27 Start: 19834, Stop: 21633, Start Num: 108

Candidate Starts for Rockstar_27:

(Start: 108 @19834 has 545 MA's), (Start: 146 @19894 has 1 MA's), (179, 19963), (227, 20065), (232, 20077), (233, 20080), (264, 20155), (Start: 268 @20170 has 11 MA's), (269, 20173), (289, 20209), (347, 20344), (373, 20413), (430, 20527), (495, 20653), (549, 20767), (551, 20770), (556, 20791), (563, 20809), (597, 20890), (623, 20965), (628, 20983), (630, 20992), (639, 21022), (645, 21037), (653, 21061), (662, 21070), (680, 21115), (681, 21118), (689, 21139), (693, 21151), (760, 21364), (768, 21388), (792, 21469), (794, 21475), (833, 21610),

Gene: RockyHorror_17 Start: 14667, Stop: 16376, Start Num: 87

Candidate Starts for RockyHorror_17:

(Start: 87 @14667 has 207 MA's), (150, 14754), (182, 14823), (187, 14844), (203, 14880), (230, 14928), (233, 14934), (242, 14952), (257, 14982), (300, 15087), (323, 15147), (329, 15156), (338, 15168), (342, 15177), (352, 15201), (396, 15276), (408, 15303), (410, 15309), (420, 15327), (427, 15342), (429, 15348), (445, 15384), (448, 15387), (455, 15399), (456, 15405), (474, 15453), (480, 15465), (484, 15471), (515, 15531), (522, 15543), (538, 15579), (541, 15591), (571, 15666), (573, 15675), (581, 15693), (584, 15699), (596, 15729), (667, 15834), (671, 15843), (673, 15846), (687, 15882), (716, 15960), (744, 16059), (751, 16080), (759, 16113), (768, 16143), (776, 16173), (779, 16182), (781, 16188), (792, 16203), (793, 16206), (800, 16230), (813, 16260), (817, 16272), (822, 16302), (833, 16344),

Gene: Rohr_28 Start: 21366, Stop: 23168, Start Num: 109

Candidate Starts for Rohr_28:

(Start: 109 @21366 has 207 MA's), (Start: 124 @21387 has 4 MA's), (Start: 146 @21429 has 1 MA's), (171, 21474), (264, 21690), (283, 21735), (289, 21744), (301, 21783), (321, 21834), (322, 21837), (413, 22032), (449, 22101), (549, 22302), (551, 22305), (556, 22326), (596, 22422), (597, 22425), (599, 22431), (623, 22500), (628, 22518), (630, 22527), (639, 22557), (681, 22653), (693, 22686), (698, 22701), (745, 22842), (760, 22899), (794, 23010),

Gene: Roksolana_31 Start: 19990, Stop: 21762, Start Num: 108

Candidate Starts for Roksolana_31:

(65, 19924), (Start: 90 @19966 has 8 MA's), (Start: 108 @19990 has 545 MA's), (233, 20227), (262, 20299), (264, 20302), (Start: 268 @20317 has 11 MA's), (289, 20356), (292, 20362), (338, 20473), (341, 20479), (356, 20518), (373, 20560), (399, 20599), (412, 20641), (413, 20644), (495, 20800), (557, 20941), (563, 20956), (639, 21169), (689, 21268), (698, 21295), (720, 21346), (724, 21355), (735, 21394), (738, 21409), (760, 21493), (792, 21598), (794, 21604), (833, 21739),

Gene: Romney_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Romney_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Roosevelt_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Roosevelt_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Rosa24_26 Start: 19799, Stop: 21580, Start Num: 108

Candidate Starts for Rosa24_26:

(Start: 90 @19775 has 8 MA's), (Start: 108 @19799 has 545 MA's), (Start: 112 @19805 has 3 MA's), (Start: 146 @19859 has 1 MA's), (154, 19874), (179, 19928), (184, 19946), (227, 20030), (232, 20042), (233, 20045), (264, 20120), (Start: 268 @20135 has 11 MA's), (289, 20174), (338, 20291), (373, 20378), (412, 20459), (435, 20507), (449, 20531), (495, 20618), (522, 20663), (551, 20735), (556, 20756), (563, 20774), (597, 20855), (628, 20948), (630, 20957), (637, 20981), (639, 20987), (647, 21011), (681, 21065), (689, 21086), (710, 21137), (719, 21161), (760, 21311), (792, 21416), (795, 21431), (828, 21539), (833, 21557),

Gene: Rosalind_30 Start: 19215, Stop: 21002, Start Num: 108

Candidate Starts for Rosalind_30:

(65, 19149), (Start: 90 @19191 has 8 MA's), (Start: 108 @19215 has 545 MA's), (184, 19353), (207, 19410), (233, 19452), (247, 19488), (264, 19527), (295, 19596), (301, 19620), (322, 19674), (399, 19824), (413, 19869), (430, 19899), (446, 19935), (468, 19986), (493, 20022), (522, 20070), (546, 20130), (596, 20259), (623, 20337), (698, 20538), (701, 20544), (736, 20640), (782, 20805), (815, 20904),

Gene: Rosmarinus_23 Start: 17176, Stop: 18942, Start Num: 79

Candidate Starts for Rosmarinus_23:

(Start: 79 @17176 has 139 MA's), (101, 17206), (184, 17365), (Start: 196 @17398 has 7 MA's), (210, 17428), (221, 17461), (227, 17473), (266, 17563), (288, 17605), (310, 17677), (315, 17686), (338, 17725), (356, 17770), (363, 17791), (365, 17794), (393, 17848), (399, 17866), (412, 17908), (418, 17914), (430, 17941), (515, 18079), (525, 18097), (541, 18139), (548, 18157), (558, 18187), (573, 18214), (612, 18319), (681, 18478), (694, 18514), (706, 18544), (718, 18553), (745, 18628), (759, 18679), (824, 18874), (834, 18913), (835, 18916), (843, 18934),

Gene: Rowdy_31 Start: 19855, Stop: 21633, Start Num: 108

Candidate Starts for Rowdy_31:

(Start: 108 @19855 has 545 MA's), (Start: 146 @19912 has 1 MA's), (154, 19927), (173, 19960), (179, 19981), (227, 20083), (232, 20095), (233, 20098), (264, 20173), (Start: 268 @20188 has 11 MA's), (289, 20227), (338, 20344), (347, 20362), (373, 20431), (404, 20485), (410, 20506), (430, 20545),

(449, 20584), (495, 20671), (522, 20716), (540, 20764), (549, 20785), (556, 20809), (559, 20821), (563, 20827), (597, 20908), (628, 21001), (630, 21010), (637, 21034), (639, 21040), (645, 21055), (669, 21088), (689, 21139), (695, 21157), (714, 21202), (760, 21364), (768, 21388), (770, 21394), (792, 21469), (794, 21475), (795, 21484), (815, 21535), (833, 21610),

Gene: Royals2015_16 Start: 14826, Stop: 16535, Start Num: 87

Candidate Starts for Royals2015_16:

(Start: 87 @14826 has 207 MA's), (150, 14913), (Start: 175 @14958 has 47 MA's), (182, 14982), (230, 15087), (233, 15093), (242, 15111), (257, 15141), (300, 15246), (323, 15306), (338, 15327), (342, 15336), (352, 15360), (420, 15486), (427, 15501), (429, 15507), (445, 15543), (448, 15546), (455, 15558), (456, 15564), (474, 15612), (480, 15624), (484, 15630), (515, 15690), (522, 15702), (538, 15738), (541, 15750), (571, 15825), (573, 15834), (581, 15852), (584, 15858), (596, 15888), (667, 15993), (671, 16002), (673, 16005), (687, 16041), (716, 16119), (744, 16218), (751, 16239), (759, 16272), (768, 16302), (776, 16332), (779, 16341), (781, 16347), (792, 16362), (793, 16365), (800, 16389), (813, 16419), (817, 16431), (822, 16461), (833, 16503),

Gene: Rubeelu_18 Start: 14956, Stop: 16665, Start Num: 91

Candidate Starts for Rubeelu_18:

(Start: 91 @14956 has 42 MA's), (115, 14983), (Start: 175 @15088 has 47 MA's), (178, 15100), (190, 15136), (213, 15187), (227, 15208), (230, 15217), (233, 15223), (244, 15244), (251, 15256), (320, 15430), (323, 15436), (337, 15454), (342, 15466), (343, 15469), (352, 15490), (396, 15565), (408, 15592), (420, 15616), (422, 15619), (427, 15631), (445, 15673), (455, 15688), (456, 15694), (459, 15703), (474, 15742), (497, 15796), (515, 15820), (541, 15880), (564, 15946), (571, 15955), (573, 15964), (595, 16015), (596, 16018), (667, 16123), (687, 16171), (713, 16237), (735, 16309), (776, 16462), (779, 16471), (792, 16492), (795, 16507), (800, 16519), (815, 16555), (817, 16561),

Gene: Rubeus_28 Start: 21204, Stop: 23006, Start Num: 109

Candidate Starts for Rubeus_28:

(Start: 109 @21204 has 207 MA's), (Start: 124 @21225 has 4 MA's), (Start: 146 @21267 has 1 MA's), (171, 21312), (264, 21528), (283, 21573), (289, 21582), (321, 21672), (322, 21675), (413, 21870), (449, 21939), (549, 22140), (551, 22143), (556, 22164), (596, 22260), (597, 22263), (599, 22269), (623, 22338), (628, 22356), (630, 22365), (639, 22395), (681, 22491), (693, 22524), (698, 22539), (745, 22680), (760, 22737), (794, 22848), (840, 23001),

Gene: Ruby_16 Start: 14774, Stop: 16483, Start Num: 87

Candidate Starts for Ruby_16:

(Start: 87 @14774 has 207 MA's), (150, 14861), (Start: 175 @14906 has 47 MA's), (182, 14930), (230, 15035), (233, 15041), (242, 15059), (257, 15089), (300, 15194), (320, 15248), (323, 15254), (329, 15263), (338, 15275), (342, 15284), (352, 15308), (365, 15344), (368, 15350), (374, 15362), (396, 15383), (398, 15386), (402, 15395), (408, 15410), (410, 15416), (420, 15434), (427, 15449), (429, 15455), (435, 15473), (436, 15476), (445, 15491), (455, 15506), (456, 15512), (466, 15542), (474, 15560), (480, 15572), (484, 15578), (515, 15638), (522, 15650), (538, 15686), (541, 15698), (549, 15719), (571, 15773), (573, 15782), (584, 15806), (596, 15836), (667, 15941), (673, 15953), (687, 15989), (701, 16028), (716, 16067), (744, 16166), (751, 16187), (759, 16220), (768, 16250), (776, 16280), (779, 16289), (781, 16295), (792, 16310), (793, 16313), (798, 16334), (800, 16337), (817, 16379), (822, 16409), (833, 16451), (834, 16457),

Gene: Rufus_28 Start: 21506, Stop: 23308, Start Num: 109

Candidate Starts for Rufus_28:

(Start: 109 @21506 has 207 MA's), (Start: 124 @21527 has 4 MA's), (Start: 146 @21569 has 1 MA's), (171, 21614), (264, 21830), (283, 21875), (289, 21884), (321, 21974), (322, 21977), (365, 22070), (413, 22172), (449, 22241), (545, 22430), (549, 22442), (551, 22445), (556, 22466), (596, 22562), (597, 22565), (599, 22571), (623, 22640), (628, 22658), (630, 22667), (639, 22697), (681, 22793),

(693, 22826), (698, 22841), (745, 22982), (760, 23039), (794, 23150),

Gene: Ruin_27 Start: 19823, Stop: 21601, Start Num: 108

Candidate Starts for Ruin_27:

(Start: 90 @19799 has 8 MA's), (Start: 108 @19823 has 545 MA's), (Start: 146 @19880 has 1 MA's), (Start: 175 @19934 has 47 MA's), (179, 19949), (184, 19967), (227, 20051), (232, 20063), (233, 20066), (264, 20141), (Start: 268 @20156 has 11 MA's), (289, 20195), (338, 20312), (373, 20399), (412, 20480), (435, 20528), (449, 20552), (495, 20639), (522, 20684), (551, 20756), (556, 20777), (563, 20795), (597, 20876), (628, 20969), (630, 20978), (637, 21002), (639, 21008), (647, 21032), (681, 21086), (689, 21107), (710, 21158), (719, 21182), (736, 21236), (760, 21332), (792, 21437), (795, 21452), (828, 21560), (833, 21578),

Gene: Rummer_29 Start: 20463, Stop: 22259, Start Num: 108

Candidate Starts for Rummer_29:

(Start: 108 @20463 has 545 MA's), (Start: 146 @20520 has 1 MA's), (154, 20535), (173, 20568), (179, 20589), (Start: 183 @20604 has 1 MA's), (227, 20691), (232, 20703), (233, 20706), (264, 20781), (Start: 268 @20796 has 11 MA's), (288, 20832), (373, 21039), (430, 21153), (449, 21192), (495, 21279), (549, 21393), (556, 21417), (563, 21435), (597, 21516), (623, 21591), (628, 21609), (637, 21642), (639, 21648), (653, 21687), (680, 21741), (681, 21744), (689, 21765), (713, 21822), (760, 21990), (792, 22095), (794, 22101), (833, 22236),

Gene: Ruotula_26 Start: 21710, Stop: 23512, Start Num: 109

Candidate Starts for Ruotula_26:

(Start: 109 @21710 has 207 MA's), (Start: 124 @21731 has 4 MA's), (Start: 146 @21773 has 1 MA's), (171, 21818), (264, 22034), (283, 22079), (289, 22088), (301, 22127), (321, 22178), (322, 22181), (413, 22376), (449, 22445), (549, 22646), (551, 22649), (556, 22670), (596, 22766), (597, 22769), (599, 22775), (623, 22844), (628, 22862), (630, 22871), (639, 22901), (681, 22997), (693, 23030), (698, 23045), (745, 23186), (760, 23243), (794, 23354),

Gene: Rutherferd_29 Start: 21775, Stop: 23577, Start Num: 109

Candidate Starts for Rutherferd_29:

(Start: 109 @21775 has 207 MA's), (Start: 124 @21796 has 4 MA's), (Start: 146 @21838 has 1 MA's), (171, 21883), (264, 22099), (283, 22144), (289, 22153), (321, 22243), (322, 22246), (365, 22339), (413, 22441), (449, 22510), (549, 22711), (551, 22714), (556, 22735), (596, 22831), (597, 22834), (599, 22840), (628, 22927), (630, 22936), (639, 22966), (681, 23062), (693, 23095), (698, 23110), (745, 23251), (760, 23308), (794, 23419),

Gene: Ruthiejr_23 Start: 18254, Stop: 20041, Start Num: 79

Candidate Starts for Ruthiejr_23:

(Start: 62 @18215 has 1 MA's), (Start: 75 @18245 has 25 MA's), (Start: 78 @18251 has 41 MA's), (Start: 79 @18254 has 139 MA's), (Start: 99 @18269 has 4 MA's), (129, 18311), (154, 18359), (Start: 175 @18398 has 47 MA's), (179, 18413), (184, 18431), (Start: 196 @18464 has 7 MA's), (210, 18494), (227, 18539), (234, 18557), (266, 18629), (Start: 268 @18635 has 11 MA's), (283, 18665), (286, 18668), (306, 18731), (310, 18743), (373, 18878), (383, 18896), (395, 18926), (399, 18932), (405, 18950), (418, 18980), (434, 19019), (515, 19145), (542, 19208), (612, 19409), (630, 19463), (645, 19508), (668, 19553), (681, 19577), (693, 19610), (706, 19643), (742, 19715), (745, 19727), (759, 19778), (760, 19784), (798, 19886), (834, 20012), (843, 20033),

Gene: Ruthy_19 Start: 16329, Stop: 18023, Start Num: 132

Candidate Starts for Ruthy_19:

(48, 16179), (107, 16293), (Start: 126 @16317 has 16 MA's), (Start: 132 @16329 has 1 MA's), (158, 16377), (Start: 209 @16506 has 1 MA's), (213, 16512), (235, 16578), (309, 16758), (310, 16764), (401, 16944), (403, 16950), (435, 17031), (513, 17145), (558, 17259), (573, 17292), (585, 17322), (586,

17325), (609, 17388), (610, 17391), (623, 17424), (693, 17592), (695, 17598), (742, 17697), (791, 17841), (843, 18015),

Gene: Ryadel_60 Start: 34285, Stop: 36021, Start Num: 74

Candidate Starts for Ryadel_60:

(Start: 69 @34276 has 2 MA's), (Start: 74 @34285 has 26 MA's), (134, 34375), (187, 34492), (203, 34528), (214, 34549), (230, 34576), (233, 34582), (249, 34612), (261, 34636), (281, 34687), (342, 34825), (344, 34831), (363, 34882), (365, 34885), (374, 34903), (420, 34954), (429, 34975), (430, 34978), (455, 35026), (456, 35032), (474, 35080), (477, 35086), (480, 35092), (504, 35152), (515, 35176), (517, 35179), (538, 35224), (542, 35239), (546, 35248), (549, 35257), (564, 35302), (573, 35320), (589, 35353), (673, 35491), (680, 35512), (706, 35578), (717, 35608), (734, 35662), (744, 35704), (751, 35725), (755, 35746), (759, 35758), (765, 35779), (781, 35833), (815, 35911), (822, 35947), (827, 35968), (834, 35995),

Gene: RyeScarlet_31 Start: 21753, Stop: 23543, Start Num: 108

Candidate Starts for RyeScarlet_31:

(Start: 105 @21750 has 8 MA's), (Start: 108 @21753 has 545 MA's), (232, 21987), (233, 21990), (262, 22062), (264, 22065), (Start: 268 @22080 has 11 MA's), (289, 22119), (292, 22125), (338, 22236), (373, 22323), (412, 22404), (413, 22407), (513, 22593), (540, 22656), (551, 22680), (553, 22686), (563, 22719), (597, 22800), (637, 22926), (651, 22968), (681, 23028), (693, 23061), (698, 23076), (735, 23175), (736, 23178), (738, 23190), (760, 23274), (780, 23340), (792, 23379), (794, 23385), (809, 23430), (824, 23487), (825, 23490),

Gene: SG4_16 Start: 14957, Stop: 16666, Start Num: 87

Candidate Starts for SG4_16:

(Start: 87 @14957 has 207 MA's), (150, 15044), (Start: 175 @15089 has 47 MA's), (182, 15113), (230, 15218), (233, 15224), (242, 15242), (257, 15272), (300, 15377), (323, 15437), (338, 15458), (342, 15467), (352, 15491), (420, 15617), (427, 15632), (429, 15638), (445, 15674), (448, 15677), (455, 15689), (456, 15695), (474, 15743), (480, 15755), (484, 15761), (515, 15821), (522, 15833), (538, 15869), (541, 15881), (571, 15956), (573, 15965), (581, 15983), (584, 15989), (596, 16019), (667, 16124), (671, 16133), (673, 16136), (687, 16172), (716, 16250), (744, 16349), (751, 16370), (759, 16403), (768, 16433), (776, 16463), (779, 16472), (781, 16478), (792, 16493), (793, 16496), (800, 16520), (813, 16550), (817, 16562), (822, 16592), (833, 16634),

Gene: STLscum_28 Start: 21913, Stop: 23715, Start Num: 109

Candidate Starts for STLscum_28:

(Start: 109 @21913 has 207 MA's), (Start: 124 @21934 has 4 MA's), (Start: 146 @21976 has 1 MA's), (171, 22021), (264, 22237), (283, 22282), (289, 22291), (321, 22381), (322, 22384), (365, 22477), (413, 22579), (449, 22648), (545, 22837), (549, 22849), (551, 22852), (556, 22873), (596, 22969), (597, 22972), (599, 22978), (623, 23047), (628, 23065), (630, 23074), (639, 23104), (681, 23200), (693, 23233), (698, 23248), (745, 23389), (760, 23446), (794, 23557),

Gene: Saal_16 Start: 14790, Stop: 16499, Start Num: 87

Candidate Starts for Saal_16:

(Start: 87 @14790 has 207 MA's), (150, 14877), (Start: 175 @14922 has 47 MA's), (182, 14946), (203, 15003), (230, 15051), (233, 15057), (242, 15075), (257, 15105), (300, 15210), (320, 15264), (323, 15270), (329, 15279), (342, 15300), (352, 15324), (365, 15360), (368, 15366), (396, 15399), (398, 15402), (402, 15411), (408, 15426), (410, 15432), (420, 15450), (427, 15465), (429, 15471), (435, 15489), (436, 15492), (445, 15507), (455, 15522), (456, 15528), (474, 15576), (480, 15588), (484, 15594), (515, 15654), (522, 15666), (538, 15702), (541, 15714), (571, 15789), (573, 15798), (581, 15816), (584, 15822), (596, 15852), (667, 15957), (673, 15969), (687, 16005), (716, 16083), (751, 16203), (759, 16236), (768, 16266), (771, 16278), (776, 16296), (778, 16302), (779, 16305), (781, 16311), (792, 16326), (793, 16329), (798, 16350), (800, 16353), (817, 16395), (822, 16425), (833,

16467), (834, 16473),

Gene: Sabertooth_27 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for Sabertooth_27:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (736, 21237), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: Sabia_29 Start: 20372, Stop: 22168, Start Num: 108

Candidate Starts for Sabia_29:

(Start: 108 @20372 has 545 MA's), (Start: 146 @20429 has 1 MA's), (154, 20444), (179, 20498), (Start: 183 @20513 has 1 MA's), (227, 20600), (232, 20612), (233, 20615), (264, 20690), (Start: 268 @20705 has 11 MA's), (288, 20741), (373, 20948), (449, 21101), (495, 21188), (549, 21302), (556, 21326), (563, 21344), (597, 21425), (623, 21500), (628, 21518), (637, 21551), (639, 21557), (653, 21596), (680, 21650), (681, 21653), (689, 21674), (713, 21731), (760, 21899), (792, 22004), (794, 22010), (833, 22145),

Gene: Sabinator_29 Start: 20377, Stop: 22173, Start Num: 108

Candidate Starts for Sabinator_29:

(Start: 108 @20377 has 545 MA's), (Start: 146 @20434 has 1 MA's), (154, 20449), (173, 20482), (179, 20503), (Start: 183 @20518 has 1 MA's), (227, 20605), (232, 20617), (233, 20620), (264, 20695), (Start: 268 @20710 has 11 MA's), (288, 20746), (373, 20953), (430, 21067), (449, 21106), (495, 21193), (549, 21307), (556, 21331), (563, 21349), (597, 21430), (623, 21505), (628, 21523), (637, 21556), (639, 21562), (653, 21601), (680, 21655), (681, 21658), (689, 21679), (713, 21736), (760, 21904), (792, 22009), (794, 22015), (833, 22150),

Gene: Sachima_28 Start: 21749, Stop: 23539, Start Num: 108

Candidate Starts for Sachima_28:

(Start: 105 @21746 has 8 MA's), (Start: 108 @21749 has 545 MA's), (232, 21983), (233, 21986), (262, 22058), (264, 22061), (Start: 268 @22076 has 11 MA's), (289, 22115), (292, 22121), (338, 22232), (373, 22319), (412, 22400), (413, 22403), (513, 22589), (540, 22652), (551, 22676), (553, 22682), (563, 22715), (597, 22796), (637, 22922), (651, 22964), (681, 23024), (693, 23057), (698, 23072), (735, 23171), (736, 23174), (738, 23186), (760, 23270), (780, 23336), (792, 23375), (794, 23381), (809, 23426), (824, 23483), (825, 23486),

Gene: Sagefire_28 Start: 21946, Stop: 23748, Start Num: 109

Candidate Starts for Sagefire_28:

(Start: 109 @21946 has 207 MA's), (Start: 124 @21967 has 4 MA's), (Start: 146 @22009 has 1 MA's), (171, 22054), (264, 22270), (283, 22315), (289, 22324), (301, 22363), (321, 22414), (322, 22417), (413, 22612), (449, 22681), (549, 22882), (551, 22885), (556, 22906), (596, 23002), (597, 23005), (599, 23011), (623, 23080), (628, 23098), (630, 23107), (639, 23137), (681, 23233), (693, 23266), (698, 23281), (745, 23422), (760, 23479), (794, 23590),

Gene: Sahara_17 Start: 14784, Stop: 16493, Start Num: 195

Candidate Starts for Sahara_17:

(Start: 195 @14784 has 39 MA's), (244, 14901), (269, 14973), (270, 14976), (301, 15051), (319, 15090), (328, 15105), (351, 15147), (359, 15174), (405, 15264), (406, 15267), (462, 15399), (487, 15453), (516, 15534), (541, 15594), (543, 15600), (604, 15759), (610, 15777), (625, 15816), (647, 15888), (648, 15891), (655, 15912), (742, 16146), (746, 16161), (757, 16203), (781, 16284), (785,

16296), (787, 16299), (797, 16347), (810, 16377),

Gene: Saints25_25 Start: 19407, Stop: 21086, Start Num: 94

Candidate Starts for Saints25_25:

(Start: 94 @19407 has 79 MA's), (Start: 147 @19491 has 45 MA's), (Start: 183 @19569 has 1 MA's), (227, 19656), (233, 19671), (257, 19719), (271, 19758), (306, 19845), (321, 19878), (342, 19914), (354, 19944), (356, 19950), (400, 20019), (424, 20049), (428, 20061), (429, 20064), (456, 20121), (517, 20253), (520, 20259), (547, 20325), (549, 20331), (556, 20355), (573, 20403), (584, 20427), (589, 20436), (616, 20511), (671, 20562), (678, 20577), (736, 20739), (742, 20766), (751, 20796), (780, 20901), (815, 20979), (822, 21015), (824, 21024), (833, 21057), (838, 21072),

Gene: Saintus_24 Start: 18634, Stop: 20424, Start Num: 108

Candidate Starts for Saintus_24:

(Start: 90 @18610 has 8 MA's), (Start: 108 @18634 has 545 MA's), (170, 18727), (184, 18772), (233, 18871), (247, 18907), (264, 18946), (Start: 268 @18961 has 11 MA's), (288, 18997), (338, 19117), (341, 19123), (399, 19243), (456, 19372), (495, 19444), (549, 19558), (628, 19774), (637, 19807), (681, 19909), (693, 19942), (698, 19957), (713, 19987), (791, 20257), (794, 20266), (795, 20275), (830, 20389),

Gene: Salz_28 Start: 20746, Stop: 22545, Start Num: 108

Candidate Starts for Salz_28:

(65, 20680), (Start: 90 @20722 has 8 MA's), (Start: 108 @20746 has 545 MA's), (141, 20788), (184, 20884), (189, 20899), (232, 20980), (233, 20983), (264, 21058), (Start: 268 @21073 has 11 MA's), (289, 21112), (292, 21118), (306, 21169), (338, 21229), (341, 21235), (373, 21316), (413, 21400), (472, 21526), (485, 21544), (507, 21571), (563, 21712), (592, 21778), (596, 21790), (597, 21793), (662, 21982), (674, 22009), (678, 22018), (683, 22039), (685, 22042), (693, 22063), (698, 22078), (710, 22102), (735, 22177), (738, 22192), (760, 22276), (792, 22381), (794, 22387), (813, 22441), (840, 22540),

Gene: SamScheppers_22 Start: 18161, Stop: 19948, Start Num: 79

Candidate Starts for SamScheppers_22:

(Start: 62 @18122 has 1 MA's), (Start: 75 @18152 has 25 MA's), (Start: 78 @18158 has 41 MA's), (Start: 79 @18161 has 139 MA's), (129, 18218), (154, 18266), (Start: 175 @18305 has 47 MA's), (179, 18320), (184, 18338), (Start: 196 @18371 has 7 MA's), (210, 18401), (227, 18446), (234, 18464), (266, 18536), (Start: 268 @18542 has 11 MA's), (283, 18572), (306, 18638), (310, 18650), (373, 18785), (395, 18833), (399, 18839), (405, 18857), (418, 18887), (434, 18926), (515, 19052), (541, 19112), (542, 19115), (549, 19133), (555, 19148), (612, 19316), (630, 19370), (645, 19415), (668, 19460), (681, 19484), (693, 19517), (706, 19550), (742, 19622), (745, 19634), (759, 19685), (760, 19691), (798, 19793), (834, 19919), (843, 19940),

Gene: SamW_17 Start: 16284, Stop: 17981, Start Num: 83

Candidate Starts for SamW_17:

(Start: 83 @16284 has 8 MA's), (Start: 99 @16305 has 4 MA's), (153, 16389), (169, 16416), (171, 16422), (229, 16554), (251, 16605), (264, 16638), (266, 16647), (321, 16782), (341, 16815), (350, 16833), (369, 16887), (399, 16932), (423, 16989), (428, 17001), (444, 17040), (500, 17091), (507, 17100), (517, 17121), (545, 17187), (576, 17277), (619, 17385), (634, 17439), (637, 17445), (647, 17463), (703, 17559), (720, 17580), (737, 17625), (782, 17784), (789, 17799), (793, 17814), (795, 17826), (838, 17970),

Gene: Samba_19 Start: 16728, Stop: 18374, Start Num: 175

Candidate Starts for Samba_19:

(156, 16692), (Start: 175 @16728 has 47 MA's), (213, 16830), (253, 16908), (254, 16911), (294, 17007), (304, 17046), (336, 17106), (345, 17127), (364, 17181), (370, 17196), (456, 17367), (466,

17397), (549, 17580), (556, 17604), (571, 17655), (604, 17748), (608, 17760), (626, 17805), (661, 17820), (712, 17952), (713, 17955), (742, 18054), (747, 18072), (760, 18123), (780, 18189), (808, 18252), (813, 18264),

Gene: Samman98_20 Start: 17337, Stop: 18917, Start Num: 194

Candidate Starts for Samman98_20:

(149, 17220), (Start: 194 @17337 has 87 MA's), (310, 17595), (321, 17616), (351, 17670), (363, 17709), (397, 17766), (405, 17787), (518, 17958), (527, 17976), (537, 18000), (543, 18021), (564, 18063), (592, 18144), (623, 18234), (635, 18279), (655, 18336), (662, 18339), (682, 18393), (716, 18483), (796, 18762), (797, 18771), (810, 18801),

Gene: Sampson_35 Start: 30699, Stop: 32321, Start Num: 123

Candidate Starts for Sampson_35:

(Start: 123 @30699 has 17 MA's), (136, 30720), (144, 30732), (173, 30783), (Start: 195 @30846 has 39 MA's), (232, 30918), (266, 31005), (292, 31056), (300, 31086), (338, 31167), (351, 31194), (430, 31293), (443, 31323), (451, 31332), (462, 31365), (463, 31368), (465, 31371), (468, 31380), (490, 31428), (515, 31476), (520, 31485), (558, 31584), (575, 31623), (581, 31635), (623, 31752), (673, 31791), (688, 31830), (711, 31887), (725, 31926), (727, 31935), (740, 31992), (743, 32004), (759, 32061), (760, 32067), (766, 32088), (776, 32121), (795, 32166), (833, 32295), (835, 32304),

Gene: SamuelLPlaqson_23 Start: 17102, Stop: 18868, Start Num: 79

Candidate Starts for SamuelLPlaqson_23:

(Start: 79 @17102 has 139 MA's), (101, 17132), (184, 17291), (Start: 196 @17324 has 7 MA's), (210, 17354), (221, 17387), (227, 17399), (266, 17489), (288, 17531), (310, 17603), (315, 17612), (338, 17651), (356, 17696), (365, 17720), (399, 17792), (412, 17834), (418, 17840), (430, 17867), (515, 18005), (525, 18023), (541, 18065), (558, 18113), (573, 18140), (612, 18245), (641, 18335), (694, 18440), (706, 18470), (718, 18479), (745, 18554), (759, 18605), (824, 18800), (834, 18839), (835, 18842), (843, 18860),

Gene: Sandaddy_26 Start: 21059, Stop: 22861, Start Num: 109

Candidate Starts for Sandaddy_26:

(Start: 109 @21059 has 207 MA's), (Start: 124 @21080 has 4 MA's), (Start: 146 @21122 has 1 MA's), (264, 21383), (283, 21428), (289, 21437), (301, 21476), (321, 21527), (322, 21530), (413, 21725), (449, 21794), (549, 21995), (551, 21998), (556, 22019), (596, 22115), (597, 22118), (599, 22124), (623, 22193), (628, 22211), (630, 22220), (639, 22250), (681, 22346), (693, 22379), (698, 22394), (745, 22535), (760, 22592), (794, 22703),

Gene: Sandalphon_17 Start: 15361, Stop: 17070, Start Num: 87

Candidate Starts for Sandalphon_17:

(Start: 87 @15361 has 207 MA's), (150, 15448), (Start: 175 @15493 has 47 MA's), (182, 15517), (203, 15574), (230, 15622), (233, 15628), (242, 15646), (257, 15676), (300, 15781), (320, 15835), (323, 15841), (329, 15850), (342, 15871), (352, 15895), (365, 15931), (368, 15937), (396, 15970), (398, 15973), (402, 15982), (408, 15997), (410, 16003), (420, 16021), (427, 16036), (429, 16042), (435, 16060), (436, 16063), (445, 16078), (455, 16093), (456, 16099), (474, 16147), (480, 16159), (484, 16165), (515, 16225), (522, 16237), (538, 16273), (541, 16285), (571, 16360), (573, 16369), (581, 16387), (584, 16393), (596, 16423), (667, 16528), (673, 16540), (687, 16576), (716, 16654), (751, 16774), (759, 16807), (768, 16837), (771, 16849), (776, 16867), (778, 16873), (779, 16876), (781, 16882), (792, 16897), (793, 16900), (798, 16921), (800, 16924), (817, 16966), (822, 16996), (833, 17038), (834, 17044),

Gene: Santhid_18 Start: 14993, Stop: 16609, Start Num: 117

Candidate Starts for Santhid_18:

(Start: 117 @14993 has 11 MA's), (173, 15092), (180, 15116), (232, 15227), (233, 15230), (241, 15248), (244, 15257), (270, 15323), (277, 15338), (284, 15347), (287, 15353), (319, 15443), (350, 15497), (352, 15506), (429, 15596), (477, 15707), (512, 15779), (515, 15785), (520, 15794), (529, 15812), (561, 15902), (571, 15917), (605, 16001), (610, 16016), (615, 16034), (622, 16046), (681, 16112), (700, 16160), (704, 16172), (711, 16184), (717, 16205), (722, 16217), (727, 16232), (736, 16262), (744, 16298), (795, 16451), (809, 16487), (825, 16550), (831, 16571), (838, 16595), (841, 16601),

Gene: Sanya_26 Start: 21743, Stop: 23545, Start Num: 109

Candidate Starts for Sanya_26:

(Start: 109 @21743 has 207 MA's), (Start: 124 @21764 has 4 MA's), (Start: 146 @21806 has 1 MA's), (171, 21851), (264, 22067), (283, 22112), (289, 22121), (321, 22211), (322, 22214), (365, 22307), (413, 22409), (449, 22478), (549, 22679), (551, 22682), (556, 22703), (596, 22799), (597, 22802), (599, 22808), (623, 22877), (628, 22895), (630, 22904), (639, 22934), (681, 23030), (693, 23063), (698, 23078), (745, 23219), (760, 23276), (794, 23387),

Gene: Sapo_16 Start: 14618, Stop: 16216, Start Num: 175

Candidate Starts for Sapo_16:

(Start: 175 @14618 has 47 MA's), (282, 14873), (308, 14945), (314, 14963), (320, 14972), (332, 14990), (378, 15098), (380, 15101), (427, 15194), (456, 15257), (498, 15368), (500, 15371), (515, 15392), (547, 15467), (555, 15488), (556, 15497), (595, 15608), (608, 15653), (618, 15683), (626, 15698), (747, 15914), (755, 15947), (772, 16007), (776, 16019), (808, 16094), (817, 16118), (823, 16151),

Gene: SarFire_27 Start: 21221, Stop: 23023, Start Num: 109

Candidate Starts for SarFire_27:

(Start: 109 @21221 has 207 MA's), (Start: 124 @21242 has 4 MA's), (Start: 146 @21284 has 1 MA's), (171, 21329), (264, 21545), (283, 21590), (289, 21599), (321, 21689), (322, 21692), (365, 21785), (413, 21887), (449, 21956), (545, 22145), (549, 22157), (551, 22160), (556, 22181), (596, 22277), (597, 22280), (599, 22286), (623, 22355), (628, 22373), (630, 22382), (639, 22412), (681, 22508), (693, 22541), (698, 22556), (745, 22697), (760, 22754), (794, 22865), (840, 23018),

Gene: Sarma624_17 Start: 14767, Stop: 16344, Start Num: 175

Candidate Starts for Sarma624_17:

(Start: 87 @14635 has 207 MA's), (150, 14722), (Start: 175 @14767 has 47 MA's), (182, 14791), (230, 14896), (233, 14902), (242, 14920), (257, 14950), (300, 15055), (323, 15115), (338, 15136), (342, 15145), (352, 15169), (396, 15244), (398, 15247), (420, 15295), (427, 15310), (429, 15316), (445, 15352), (448, 15355), (455, 15367), (456, 15373), (474, 15421), (480, 15433), (484, 15439), (515, 15499), (522, 15511), (538, 15547), (541, 15559), (571, 15634), (573, 15643), (581, 15661), (584, 15667), (596, 15697), (667, 15802), (671, 15811), (673, 15814), (687, 15850), (716, 15928), (744, 16027), (751, 16048), (759, 16081), (768, 16111), (776, 16141), (779, 16150), (781, 16156), (792, 16171), (793, 16174), (800, 16198), (813, 16228), (817, 16240), (822, 16270), (833, 16312),

Gene: Sassafra_16 Start: 14940, Stop: 16649, Start Num: 87

Candidate Starts for Sassafra_16:

(Start: 87 @14940 has 207 MA's), (150, 15027), (Start: 175 @15072 has 47 MA's), (182, 15096), (230, 15201), (233, 15207), (242, 15225), (257, 15255), (300, 15360), (323, 15420), (338, 15441), (342, 15450), (352, 15474), (420, 15600), (427, 15615), (429, 15621), (445, 15657), (448, 15660), (455, 15672), (456, 15678), (474, 15726), (480, 15738), (484, 15744), (515, 15804), (522, 15816), (538, 15852), (541, 15864), (571, 15939), (573, 15948), (581, 15966), (584, 15972), (596, 16002), (667, 16107), (673, 16119), (687, 16155), (716, 16233), (744, 16332), (751, 16353), (759, 16386), (768, 16416), (776, 16446), (779, 16455), (781, 16461), (792, 16476), (793, 16479), (798, 16500), (800, 16503), (817, 16545), (822, 16575), (833, 16617),

Gene: Sassay_23 Start: 19334, Stop: 20929, Start Num: 147

Candidate Starts for Sassay_23:

(Start: 94 @19250 has 79 MA's), (Start: 147 @19334 has 45 MA's), (Start: 183 @19412 has 1 MA's), (227, 19499), (233, 19514), (257, 19562), (271, 19601), (306, 19688), (321, 19721), (342, 19757), (354, 19787), (356, 19793), (400, 19862), (424, 19892), (428, 19904), (429, 19907), (456, 19964), (517, 20096), (520, 20102), (547, 20168), (549, 20174), (556, 20198), (573, 20246), (584, 20270), (589, 20279), (616, 20354), (671, 20405), (678, 20420), (736, 20582), (742, 20609), (751, 20639), (780, 20744), (815, 20822), (822, 20858), (824, 20867), (833, 20900), (838, 20915),

Gene: SassyB_16 Start: 14854, Stop: 16563, Start Num: 87

Candidate Starts for SassyB_16:

(Start: 87 @14854 has 207 MA's), (150, 14941), (Start: 175 @14986 has 47 MA's), (182, 15010), (230, 15115), (233, 15121), (242, 15139), (257, 15169), (300, 15274), (323, 15334), (329, 15343), (337, 15352), (338, 15355), (342, 15364), (352, 15388), (420, 15514), (427, 15529), (429, 15535), (445, 15571), (448, 15574), (455, 15586), (456, 15592), (474, 15640), (480, 15652), (484, 15658), (515, 15718), (522, 15730), (538, 15766), (541, 15778), (571, 15853), (573, 15862), (581, 15880), (584, 15886), (596, 15916), (667, 16021), (671, 16030), (673, 16033), (687, 16069), (716, 16147), (744, 16246), (751, 16267), (759, 16300), (768, 16330), (776, 16360), (779, 16369), (781, 16375), (792, 16390), (793, 16393), (800, 16417), (813, 16447), (817, 16459), (822, 16489), (833, 16531),

Gene: SaturnRing_27 Start: 19904, Stop: 21700, Start Num: 108

Candidate Starts for SaturnRing_27:

(Start: 108 @19904 has 545 MA's), (Start: 146 @19961 has 1 MA's), (179, 20030), (227, 20132), (232, 20144), (233, 20147), (264, 20222), (Start: 268 @20237 has 11 MA's), (289, 20276), (347, 20411), (373, 20480), (430, 20594), (495, 20720), (549, 20834), (556, 20858), (563, 20876), (597, 20957), (623, 21032), (628, 21050), (630, 21059), (637, 21083), (639, 21089), (645, 21104), (662, 21137), (680, 21182), (681, 21185), (689, 21206), (693, 21218), (695, 21224), (719, 21281), (760, 21431), (768, 21455), (792, 21536), (794, 21542), (833, 21677),

Gene: Savage_17 Start: 14758, Stop: 16467, Start Num: 195

Candidate Starts for Savage_17:

(Start: 195 @14758 has 39 MA's), (244, 14875), (301, 15025), (319, 15064), (328, 15079), (359, 15148), (363, 15160), (405, 15238), (406, 15241), (462, 15373), (487, 15427), (516, 15508), (541, 15568), (543, 15574), (546, 15580), (576, 15661), (592, 15697), (604, 15733), (610, 15751), (625, 15790), (647, 15862), (655, 15886), (742, 16120), (746, 16135), (757, 16177), (785, 16270), (787, 16273), (797, 16321), (810, 16351),

Gene: Scamp_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Scamp_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Scarlett_22 Start: 16390, Stop: 18159, Start Num: 75

Candidate Starts for Scarlett_22:

(Start: 62 @16360 has 1 MA's), (Start: 75 @16390 has 25 MA's), (Start: 78 @16396 has 41 MA's), (101, 16423), (122, 16450), (179, 16564), (Start: 196 @16615 has 7 MA's), (221, 16678), (266, 16780), (Start: 268 @16786 has 11 MA's), (299, 16858), (310, 16894), (315, 16903), (338, 16942), (357,

16990), (363, 17008), (383, 17047), (384, 17050), (393, 17065), (395, 17077), (399, 17083), (412, 17125), (418, 17131), (430, 17158), (515, 17296), (525, 17314), (531, 17326), (558, 17404), (593, 17476), (597, 17488), (612, 17536), (636, 17611), (681, 17695), (693, 17728), (695, 17734), (706, 17761), (745, 17845), (747, 17851), (759, 17896), (760, 17902), (795, 17995), (824, 18091), (843, 18151),

Gene: Schatzie_34 Start: 26625, Stop: 28358, Start Num: 89

Candidate Starts for Schatzie_34:

(Start: 89 @26625 has 30 MA's), (Start: 147 @26715 has 45 MA's), (172, 26763), (182, 26793), (193, 26820), (244, 26922), (259, 26952), (298, 27051), (309, 27087), (310, 27093), (321, 27114), (356, 27186), (359, 27195), (368, 27216), (410, 27285), (429, 27324), (430, 27327), (435, 27342), (456, 27381), (474, 27429), (480, 27441), (484, 27447), (503, 27495), (507, 27504), (517, 27525), (526, 27543), (545, 27591), (581, 27693), (605, 27753), (610, 27765), (678, 27849), (681, 27861), (682, 27867), (689, 27879), (691, 27882), (704, 27921), (713, 27939), (726, 27975), (727, 27981), (751, 28068), (775, 28158), (795, 28200), (803, 28218), (814, 28248), (823, 28290), (838, 28344),

Gene: Scherzo_30 Start: 21782, Stop: 23572, Start Num: 108

Candidate Starts for Scherzo_30:

(Start: 105 @21779 has 8 MA's), (Start: 108 @21782 has 545 MA's), (232, 22016), (233, 22019), (262, 22091), (264, 22094), (Start: 268 @22109 has 11 MA's), (289, 22148), (292, 22154), (338, 22265), (373, 22352), (412, 22433), (413, 22436), (513, 22622), (540, 22685), (551, 22709), (553, 22715), (563, 22748), (597, 22829), (637, 22955), (651, 22997), (681, 23057), (693, 23090), (698, 23105), (735, 23204), (736, 23207), (738, 23219), (760, 23303), (780, 23369), (792, 23408), (794, 23414), (809, 23459), (824, 23516), (825, 23519),

Gene: Schiebel_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Schiebel_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Schmidt_20 Start: 14705, Stop: 16033, Start Num: 268

Candidate Starts for Schmidt_20:

(246, 14639), (257, 14663), (Start: 268 @14705 has 11 MA's), (317, 14813), (330, 14834), (348, 14867), (361, 14909), (392, 14954), (410, 15011), (423, 15029), (466, 15134), (530, 15173), (549, 15227), (553, 15236), (560, 15245), (578, 15290), (610, 15365), (613, 15374), (619, 15392), (635, 15446), (648, 15482), (696, 15578), (753, 15746), (760, 15773), (764, 15788), (787, 15839), (796, 15878), (801, 15893), (810, 15917), (816, 15932), (819, 15950), (835, 16016),

Gene: Schnauzer_18 Start: 14989, Stop: 16698, Start Num: 91

Candidate Starts for Schnauzer_18:

(Start: 91 @14989 has 42 MA's), (115, 15016), (Start: 175 @15121 has 47 MA's), (178, 15133), (190, 15169), (213, 15220), (230, 15250), (233, 15256), (247, 15283), (251, 15289), (300, 15409), (320, 15463), (323, 15469), (337, 15487), (342, 15499), (343, 15502), (352, 15523), (368, 15565), (396, 15598), (420, 15649), (427, 15664), (445, 15706), (455, 15721), (456, 15727), (474, 15775), (486, 15799), (497, 15829), (515, 15853), (541, 15913), (546, 15925), (564, 15979), (571, 15988), (595, 16048), (596, 16051), (667, 16156), (671, 16165), (687, 16204), (735, 16342), (775, 16492), (776, 16495), (779, 16504), (792, 16525), (800, 16552), (815, 16588), (838, 16681),

Gene: SchoolBus_56 Start: 33469, Stop: 35205, Start Num: 74

Candidate Starts for SchoolBus_56:

(Start: 69 @33460 has 2 MA's), (Start: 74 @33469 has 26 MA's), (134, 33559), (187, 33676), (203, 33712), (214, 33733), (230, 33760), (233, 33766), (249, 33796), (261, 33820), (281, 33871), (342, 34009), (344, 34015), (363, 34066), (365, 34069), (374, 34087), (420, 34138), (429, 34159), (430, 34162), (455, 34210), (456, 34216), (474, 34264), (477, 34270), (480, 34276), (504, 34336), (515, 34360), (517, 34363), (538, 34408), (542, 34423), (546, 34432), (549, 34441), (564, 34486), (573, 34504), (589, 34537), (673, 34675), (680, 34696), (706, 34762), (717, 34792), (734, 34846), (744, 34888), (751, 34909), (755, 34930), (759, 34942), (765, 34963), (781, 35017), (815, 35095), (822, 35131), (827, 35152), (834, 35179),

Gene: Schuy_57 Start: 33260, Stop: 34996, Start Num: 74

Candidate Starts for Schuy_57:

(Start: 69 @33251 has 2 MA's), (Start: 74 @33260 has 26 MA's), (134, 33350), (187, 33467), (203, 33503), (214, 33524), (230, 33551), (233, 33557), (249, 33587), (261, 33611), (281, 33662), (342, 33800), (344, 33806), (363, 33857), (365, 33860), (374, 33878), (420, 33929), (429, 33950), (430, 33953), (455, 34001), (456, 34007), (474, 34055), (477, 34061), (480, 34067), (504, 34127), (515, 34151), (517, 34154), (538, 34199), (542, 34214), (546, 34223), (549, 34232), (564, 34277), (573, 34295), (589, 34328), (673, 34466), (680, 34487), (706, 34553), (717, 34583), (734, 34637), (744, 34679), (751, 34700), (755, 34721), (759, 34733), (765, 34754), (781, 34808), (815, 34886), (822, 34922), (827, 34943), (834, 34970),

Gene: Scioto_35 Start: 30775, Stop: 32376, Start Num: 136

Candidate Starts for Scioto_35:

(Start: 123 @30754 has 17 MA's), (136, 30775), (144, 30787), (173, 30838), (Start: 195 @30901 has 39 MA's), (232, 30973), (266, 31060), (292, 31111), (300, 31141), (338, 31222), (351, 31249), (430, 31348), (443, 31378), (451, 31387), (462, 31420), (463, 31423), (465, 31426), (468, 31435), (490, 31483), (515, 31531), (520, 31540), (558, 31639), (575, 31678), (581, 31690), (623, 31807), (673, 31846), (688, 31885), (711, 31942), (725, 31981), (727, 31990), (740, 32047), (743, 32059), (759, 32116), (760, 32122), (766, 32143), (776, 32176), (795, 32221), (833, 32350), (835, 32359),

Gene: Scitech_18 Start: 14986, Stop: 16695, Start Num: 91

Candidate Starts for Scitech_18:

(Start: 91 @14986 has 42 MA's), (115, 15013), (Start: 175 @15118 has 47 MA's), (178, 15130), (190, 15166), (213, 15217), (230, 15247), (233, 15253), (247, 15280), (251, 15286), (300, 15406), (320, 15460), (323, 15466), (337, 15484), (342, 15496), (343, 15499), (352, 15520), (368, 15562), (396, 15595), (420, 15646), (427, 15661), (445, 15703), (455, 15718), (456, 15724), (474, 15772), (486, 15796), (497, 15826), (515, 15850), (541, 15910), (546, 15922), (564, 15976), (571, 15985), (595, 16045), (596, 16048), (667, 16153), (671, 16162), (687, 16201), (735, 16339), (775, 16489), (776, 16492), (779, 16501), (792, 16522), (800, 16549), (815, 16585), (838, 16678),

Gene: Scorpia_25 Start: 18949, Stop: 20748, Start Num: 108

Candidate Starts for Scorpia_25:

(Start: 108 @18949 has 545 MA's), (233, 19186), (264, 19261), (Start: 268 @19276 has 11 MA's), (288, 19312), (310, 19384), (318, 19399), (338, 19432), (341, 19438), (430, 19633), (441, 19663), (446, 19669), (495, 19759), (522, 19804), (549, 19873), (563, 19915), (569, 19933), (596, 19993), (597, 19996), (628, 20089), (680, 20230), (693, 20266), (791, 20581), (794, 20590), (833, 20725),

Gene: Scottish_17 Start: 16108, Stop: 17817, Start Num: 87

Candidate Starts for Scottish_17:

(Start: 87 @16108 has 207 MA's), (150, 16195), (Start: 175 @16240 has 47 MA's), (182, 16264), (230, 16369), (233, 16375), (242, 16393), (257, 16423), (300, 16528), (323, 16588), (329, 16597), (342, 16618), (352, 16642), (365, 16678), (368, 16684), (396, 16717), (398, 16720), (402, 16729), (408, 16744), (410, 16750), (420, 16768), (427, 16783), (429, 16789), (435, 16807), (436, 16810), (445,

16825), (448, 16828), (455, 16840), (456, 16846), (474, 16894), (480, 16906), (484, 16912), (515, 16972), (522, 16984), (538, 17020), (541, 17032), (571, 17107), (573, 17116), (581, 17134), (584, 17140), (596, 17170), (667, 17275), (671, 17284), (673, 17287), (687, 17323), (716, 17401), (744, 17500), (751, 17521), (759, 17554), (768, 17584), (771, 17596), (776, 17614), (778, 17620), (779, 17623), (781, 17629), (792, 17644), (793, 17647), (798, 17668), (800, 17671), (817, 17713), (833, 17785), (834, 17791),

Gene: Scout_27 Start: 19207, Stop: 21006, Start Num: 108

Candidate Starts for Scout_27:

(Start: 108 @19207 has 545 MA's), (Start: 146 @19267 has 1 MA's), (179, 19336), (227, 19438), (232, 19450), (233, 19453), (264, 19528), (Start: 268 @19543 has 11 MA's), (269, 19546), (289, 19582), (347, 19717), (373, 19786), (430, 19900), (495, 20026), (549, 20140), (556, 20164), (559, 20176), (563, 20182), (597, 20263), (623, 20338), (628, 20356), (630, 20365), (637, 20389), (639, 20395), (645, 20410), (665, 20452), (678, 20479), (680, 20488), (681, 20491), (689, 20512), (693, 20524), (760, 20737), (792, 20842), (794, 20848), (833, 20983),

Gene: Scowl_28 Start: 21803, Stop: 23605, Start Num: 109

Candidate Starts for Scowl_28:

(Start: 109 @21803 has 207 MA's), (Start: 124 @21824 has 4 MA's), (Start: 146 @21866 has 1 MA's), (171, 21911), (264, 22127), (283, 22172), (289, 22181), (301, 22220), (321, 22271), (322, 22274), (365, 22367), (413, 22469), (449, 22538), (549, 22739), (551, 22742), (556, 22763), (596, 22859), (597, 22862), (599, 22868), (623, 22937), (628, 22955), (630, 22964), (639, 22994), (681, 23090), (693, 23123), (698, 23138), (745, 23279), (760, 23336), (794, 23447),

Gene: Scuba_50 Start: 30760, Stop: 32379, Start Num: 194

Candidate Starts for Scuba_50:

(Start: 194 @30760 has 87 MA's), (199, 30775), (216, 30814), (243, 30874), (359, 31141), (401, 31207), (405, 31222), (425, 31258), (457, 31333), (469, 31363), (470, 31366), (478, 31384), (499, 31423), (510, 31453), (596, 31657), (604, 31687), (622, 31735), (623, 31738), (669, 31861), (683, 31897), (751, 32083), (804, 32236), (822, 32302), (825, 32314), (838, 32359),

Gene: Seabastian_16 Start: 15041, Stop: 16750, Start Num: 87

Candidate Starts for Seabastian_16:

(Start: 87 @15041 has 207 MA's), (150, 15128), (161, 15149), (Start: 175 @15173 has 47 MA's), (182, 15197), (187, 15218), (230, 15302), (233, 15308), (242, 15326), (257, 15356), (300, 15461), (320, 15515), (323, 15521), (337, 15539), (338, 15542), (342, 15551), (352, 15575), (396, 15650), (402, 15662), (408, 15677), (410, 15683), (420, 15701), (427, 15716), (429, 15722), (438, 15749), (445, 15758), (455, 15773), (456, 15779), (474, 15827), (480, 15839), (484, 15845), (515, 15905), (522, 15917), (538, 15953), (541, 15965), (549, 15986), (571, 16040), (573, 16049), (581, 16067), (584, 16073), (596, 16103), (667, 16208), (671, 16217), (673, 16220), (687, 16256), (701, 16295), (716, 16334), (751, 16454), (759, 16487), (768, 16517), (776, 16547), (779, 16556), (781, 16562), (792, 16577), (793, 16580), (798, 16601), (800, 16604), (815, 16640), (817, 16646), (822, 16676), (833, 16718),

Gene: Seabiscuit_29 Start: 21127, Stop: 22929, Start Num: 109

Candidate Starts for Seabiscuit_29:

(Start: 109 @21127 has 207 MA's), (Start: 124 @21148 has 4 MA's), (Start: 146 @21190 has 1 MA's), (171, 21235), (264, 21451), (283, 21496), (289, 21505), (301, 21544), (321, 21595), (322, 21598), (413, 21793), (449, 21862), (549, 22063), (551, 22066), (556, 22087), (596, 22183), (597, 22186), (599, 22192), (623, 22261), (628, 22279), (630, 22288), (639, 22318), (681, 22414), (693, 22447), (698, 22462), (745, 22603), (760, 22660), (794, 22771),

Gene: Seagreen_17 Start: 14650, Stop: 16359, Start Num: 87

Candidate Starts for Seagreen_17:

(Start: 87 @14650 has 207 MA's), (150, 14737), (Start: 175 @14782 has 47 MA's), (182, 14806), (187, 14827), (230, 14911), (233, 14917), (242, 14935), (257, 14965), (300, 15070), (323, 15130), (329, 15139), (337, 15148), (338, 15151), (342, 15160), (351, 15178), (352, 15184), (420, 15310), (427, 15325), (429, 15331), (445, 15367), (448, 15370), (455, 15382), (456, 15388), (474, 15436), (480, 15448), (484, 15454), (515, 15514), (522, 15526), (538, 15562), (541, 15574), (571, 15649), (573, 15658), (581, 15676), (584, 15682), (596, 15712), (667, 15817), (671, 15826), (673, 15829), (687, 15865), (713, 15931), (716, 15943), (744, 16042), (751, 16063), (759, 16096), (768, 16126), (776, 16156), (779, 16165), (781, 16171), (792, 16186), (793, 16189), (800, 16213), (813, 16243), (817, 16255), (822, 16285), (833, 16327),

Gene: Seanderson_28 Start: 21601, Stop: 23403, Start Num: 109

Candidate Starts for Seanderson_28:

(Start: 109 @21601 has 207 MA's), (Start: 124 @21622 has 4 MA's), (Start: 146 @21664 has 1 MA's), (171, 21709), (264, 21925), (283, 21970), (289, 21979), (301, 22018), (321, 22069), (322, 22072), (413, 22267), (449, 22336), (549, 22537), (551, 22540), (556, 22561), (596, 22657), (597, 22660), (599, 22666), (623, 22735), (628, 22753), (630, 22762), (639, 22792), (681, 22888), (693, 22921), (698, 22936), (713, 22966), (745, 23077), (760, 23134), (794, 23245),

Gene: Sekhmet_20 Start: 17697, Stop: 19277, Start Num: 194

Candidate Starts for Sekhmet_20:

(149, 17580), (Start: 194 @17697 has 87 MA's), (310, 17955), (321, 17976), (351, 18030), (363, 18069), (397, 18126), (405, 18147), (518, 18318), (527, 18336), (537, 18360), (543, 18381), (564, 18423), (592, 18504), (623, 18594), (655, 18696), (662, 18699), (682, 18753), (732, 18891), (767, 19023), (796, 19122), (797, 19131), (810, 19161),

Gene: SemperFi_30 Start: 20535, Stop: 22307, Start Num: 108

Candidate Starts for SemperFi_30:

(65, 20469), (Start: 90 @20511 has 8 MA's), (Start: 108 @20535 has 545 MA's), (173, 20634), (202, 20718), (232, 20769), (233, 20772), (262, 20844), (264, 20847), (289, 20901), (301, 20940), (318, 20985), (338, 21018), (373, 21105), (412, 21186), (413, 21189), (551, 21462), (637, 21708), (669, 21762), (693, 21825), (698, 21840), (701, 21846), (724, 21900), (735, 21939), (738, 21954), (760, 22038), (785, 22119), (794, 22149), (833, 22284),

Gene: SenorClean_26 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for SenorClean_26:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Serenity_27 Start: 19141, Stop: 20931, Start Num: 108

Candidate Starts for Serenity_27:

(Start: 90 @19117 has 8 MA's), (Start: 108 @19141 has 545 MA's), (189, 19294), (232, 19375), (233, 19378), (262, 19450), (264, 19453), (289, 19507), (292, 19513), (297, 19531), (318, 19591), (338, 19624), (341, 19630), (356, 19669), (373, 19711), (412, 19792), (413, 19795), (441, 19855), (513, 19981), (549, 20065), (563, 20107), (583, 20158), (597, 20188), (637, 20314), (665, 20377), (693, 20449), (698, 20464), (710, 20488), (735, 20563), (738, 20578), (760, 20662), (792, 20767), (794, 20773), (798, 20791), (809, 20818), (813, 20827),

Gene: Severus_26 Start: 17888, Stop: 19666, Start Num: 108

Candidate Starts for Severus_26:

(Start: 90 @17864 has 8 MA's), (Start: 108 @17888 has 545 MA's), (Start: 146 @17945 has 1 MA's), (154, 17960), (179, 18014), (232, 18128), (233, 18131), (264, 18206), (279, 18245), (338, 18377), (373, 18464), (410, 18539), (430, 18578), (449, 18617), (495, 18704), (522, 18749), (549, 18818), (556, 18842), (559, 18854), (563, 18860), (628, 19034), (630, 19043), (637, 19067), (639, 19073), (645, 19088), (669, 19121), (689, 19172), (713, 19229), (714, 19235), (760, 19397), (792, 19502), (794, 19508), (795, 19517), (833, 19643),

Gene: SgtBeansprout_19 Start: 16697, Stop: 18463, Start Num: 79

Candidate Starts for SgtBeansprout_19:

(Start: 79 @16697 has 139 MA's), (Start: 81 @16703 has 15 MA's), (101, 16727), (Start: 175 @16853 has 47 MA's), (179, 16868), (184, 16886), (210, 16949), (266, 17084), (Start: 268 @17090 has 11 MA's), (310, 17198), (315, 17207), (363, 17312), (395, 17381), (399, 17387), (410, 17423), (418, 17435), (447, 17498), (515, 17600), (525, 17618), (541, 17660), (542, 17663), (586, 17768), (612, 17840), (647, 17948), (649, 17954), (681, 17999), (701, 18053), (718, 18074), (745, 18149), (759, 18200), (795, 18299), (802, 18314), (815, 18350), (824, 18395), (834, 18434), (835, 18437), (843, 18455),

Gene: ShaboiShabazz_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for ShaboiShabazz_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Shadow1_21 Start: 16214, Stop: 17980, Start Num: 79

Candidate Starts for Shadow1_21:

(Start: 75 @16205 has 25 MA's), (Start: 79 @16214 has 139 MA's), (101, 16244), (Start: 175 @16370 has 47 MA's), (179, 16385), (184, 16403), (Start: 196 @16436 has 7 MA's), (210, 16466), (227, 16511), (266, 16601), (283, 16637), (315, 16724), (363, 16829), (365, 16832), (395, 16898), (399, 16904), (412, 16946), (418, 16952), (525, 17135), (548, 17195), (593, 17297), (597, 17309), (612, 17357), (636, 17432), (645, 17456), (681, 17516), (694, 17552), (706, 17582), (745, 17666), (759, 17717), (760, 17723), (795, 17816), (834, 17951), (835, 17954), (843, 17972),

Gene: Shaka_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Shaka_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (306, 20256), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Sham4_28 Start: 20752, Stop: 22551, Start Num: 108

Candidate Starts for Sham4_28:

(65, 20686), (Start: 90 @20728 has 8 MA's), (Start: 108 @20752 has 545 MA's), (141, 20794), (184, 20890), (189, 20905), (232, 20986), (233, 20989), (264, 21064), (Start: 268 @21079 has 11 MA's), (289, 21118), (292, 21124), (306, 21175), (338, 21235), (341, 21241), (373, 21322), (413, 21406), (472, 21532), (485, 21550), (507, 21577), (563, 21718), (592, 21784), (596, 21796), (597, 21799),

(662, 21988), (674, 22015), (678, 22024), (683, 22045), (685, 22048), (693, 22069), (698, 22084), (710, 22108), (735, 22183), (738, 22198), (760, 22282), (792, 22387), (794, 22393), (813, 22447), (840, 22546),

Gene: ShamWow_24 Start: 19746, Stop: 21425, Start Num: 94

Candidate Starts for ShamWow_24:

(Start: 94 @19746 has 79 MA's), (Start: 147 @19830 has 45 MA's), (Start: 183 @19908 has 1 MA's), (227, 19995), (233, 20010), (257, 20058), (271, 20097), (306, 20184), (321, 20217), (342, 20253), (354, 20283), (356, 20289), (400, 20358), (424, 20388), (428, 20400), (429, 20403), (456, 20460), (517, 20592), (520, 20598), (547, 20664), (549, 20670), (556, 20694), (573, 20742), (584, 20766), (589, 20775), (616, 20850), (671, 20901), (678, 20916), (736, 21078), (742, 21105), (751, 21135), (780, 21240), (815, 21318), (822, 21354), (824, 21363), (833, 21396), (838, 21411),

Gene: Shaobing_23 Start: 16514, Stop: 18280, Start Num: 79

Candidate Starts for Shaobing_23:

(Start: 75 @16505 has 25 MA's), (Start: 79 @16514 has 139 MA's), (Start: 81 @16520 has 15 MA's), (101, 16544), (129, 16583), (Start: 175 @16670 has 47 MA's), (179, 16685), (184, 16703), (Start: 196 @16736 has 7 MA's), (210, 16766), (266, 16901), (283, 16937), (310, 17015), (315, 17024), (363, 17129), (365, 17132), (384, 17171), (395, 17198), (399, 17204), (412, 17246), (418, 17252), (430, 17279), (515, 17417), (525, 17435), (558, 17525), (573, 17552), (586, 17585), (612, 17657), (630, 17711), (641, 17747), (649, 17771), (681, 17816), (693, 17849), (698, 17864), (706, 17882), (718, 17891), (745, 17966), (759, 18017), (760, 18023), (798, 18125), (834, 18251), (835, 18254), (843, 18272),

Gene: Shapes_31 Start: 19855, Stop: 21633, Start Num: 108

Candidate Starts for Shapes_31:

(Start: 108 @19855 has 545 MA's), (Start: 146 @19912 has 1 MA's), (154, 19927), (173, 19960), (179, 19981), (227, 20083), (232, 20095), (233, 20098), (264, 20173), (Start: 268 @20188 has 11 MA's), (289, 20227), (338, 20344), (347, 20362), (373, 20431), (404, 20485), (410, 20506), (430, 20545), (449, 20584), (495, 20671), (522, 20716), (540, 20764), (549, 20785), (556, 20809), (559, 20821), (563, 20827), (597, 20908), (628, 21001), (630, 21010), (637, 21034), (639, 21040), (645, 21055), (669, 21088), (689, 21139), (695, 21157), (714, 21202), (760, 21364), (768, 21388), (770, 21394), (792, 21469), (794, 21475), (795, 21484), (815, 21535), (833, 21610),

Gene: Shauna1_16 Start: 14859, Stop: 16568, Start Num: 87

Candidate Starts for Shauna1_16:

(Start: 87 @14859 has 207 MA's), (150, 14946), (Start: 175 @14991 has 47 MA's), (182, 15015), (230, 15120), (233, 15126), (242, 15144), (257, 15174), (300, 15279), (323, 15339), (338, 15360), (342, 15369), (352, 15393), (396, 15468), (398, 15471), (420, 15519), (427, 15534), (429, 15540), (445, 15576), (448, 15579), (455, 15591), (456, 15597), (474, 15645), (480, 15657), (484, 15663), (515, 15723), (522, 15735), (538, 15771), (541, 15783), (571, 15858), (573, 15867), (581, 15885), (584, 15891), (596, 15921), (667, 16026), (671, 16035), (673, 16038), (687, 16074), (716, 16152), (744, 16251), (751, 16272), (759, 16305), (768, 16335), (776, 16365), (779, 16374), (781, 16380), (792, 16395), (793, 16398), (800, 16422), (813, 16452), (817, 16464), (822, 16494), (833, 16536),

Gene: ShayRa_31 Start: 19215, Stop: 21002, Start Num: 108

Candidate Starts for ShayRa_31:

(65, 19149), (Start: 90 @19191 has 8 MA's), (Start: 108 @19215 has 545 MA's), (184, 19353), (207, 19410), (233, 19452), (247, 19488), (264, 19527), (295, 19596), (301, 19620), (322, 19674), (399, 19824), (413, 19869), (430, 19899), (446, 19935), (468, 19986), (493, 20022), (522, 20070), (546, 20130), (596, 20259), (623, 20337), (698, 20538), (701, 20544), (736, 20640), (782, 20805), (815, 20904),

Gene: SheaKeira_28 Start: 19728, Stop: 21518, Start Num: 108

Candidate Starts for SheaKeira_28:

(65, 19662), (Start: 90 @19704 has 8 MA's), (Start: 108 @19728 has 545 MA's), (232, 19962), (233, 19965), (262, 20037), (264, 20040), (Start: 268 @20055 has 11 MA's), (269, 20058), (289, 20094), (292, 20100), (321, 20184), (338, 20211), (341, 20217), (373, 20298), (410, 20373), (412, 20379), (413, 20382), (441, 20442), (449, 20451), (540, 20631), (563, 20694), (583, 20745), (597, 20775), (603, 20793), (637, 20901), (681, 21003), (683, 21012), (698, 21051), (710, 21075), (735, 21150), (738, 21165), (760, 21249), (792, 21354), (794, 21360), (824, 21462),

Gene: ShedlockHolmes_22 Start: 17576, Stop: 19339, Start Num: 79

Candidate Starts for ShedlockHolmes_22:

(Start: 75 @17567 has 25 MA's), (Start: 79 @17576 has 139 MA's), (Start: 97 @17588 has 44 MA's), (153, 17678), (179, 17735), (Start: 196 @17786 has 7 MA's), (210, 17816), (219, 17840), (310, 18071), (315, 18080), (321, 18092), (359, 18173), (363, 18185), (365, 18188), (399, 18260), (403, 18269), (412, 18302), (418, 18308), (434, 18347), (454, 18383), (515, 18473), (542, 18536), (554, 18566), (577, 18623), (612, 18716), (675, 18854), (681, 18872), (698, 18920), (709, 18944), (729, 18971), (747, 19028), (759, 19073), (795, 19175), (822, 19262), (824, 19271), (830, 19292), (834, 19310), (836, 19316), (843, 19331),

Gene: Sheen_29 Start: 22979, Stop: 24781, Start Num: 108

Candidate Starts for Sheen_29:

(Start: 99 @22967 has 4 MA's), (Start: 108 @22979 has 545 MA's), (Start: 146 @23027 has 1 MA's), (155, 23045), (232, 23210), (233, 23213), (264, 23288), (Start: 268 @23303 has 11 MA's), (289, 23342), (341, 23465), (343, 23471), (356, 23504), (373, 23546), (441, 23690), (515, 23816), (549, 23897), (563, 23939), (580, 23987), (596, 24035), (597, 24038), (623, 24113), (628, 24131), (630, 24140), (637, 24164), (639, 24170), (680, 24263), (681, 24266), (693, 24299), (698, 24314), (745, 24455), (785, 24593), (792, 24617), (794, 24623), (825, 24728),

Gene: SheldonCooper_28 Start: 20139, Stop: 21920, Start Num: 108

Candidate Starts for SheldonCooper_28:

(Start: 90 @20115 has 8 MA's), (Start: 108 @20139 has 545 MA's), (Start: 112 @20145 has 3 MA's), (Start: 146 @20199 has 1 MA's), (154, 20214), (179, 20268), (184, 20286), (227, 20370), (232, 20382), (233, 20385), (264, 20460), (Start: 268 @20475 has 11 MA's), (289, 20514), (338, 20631), (373, 20718), (412, 20799), (435, 20847), (449, 20871), (495, 20958), (522, 21003), (551, 21075), (556, 21096), (563, 21114), (597, 21195), (623, 21270), (628, 21288), (630, 21297), (637, 21321), (639, 21327), (647, 21351), (678, 21393), (681, 21405), (689, 21426), (710, 21477), (719, 21501), (736, 21555), (760, 21651), (792, 21756), (795, 21771), (828, 21879), (833, 21897),

Gene: ShereKhan_26 Start: 20729, Stop: 22408, Start Num: 94

Candidate Starts for ShereKhan_26:

(Start: 94 @20729 has 79 MA's), (Start: 147 @20813 has 45 MA's), (Start: 183 @20891 has 1 MA's), (227, 20978), (233, 20993), (257, 21041), (271, 21080), (306, 21167), (321, 21200), (342, 21236), (354, 21266), (356, 21272), (400, 21341), (424, 21371), (428, 21383), (429, 21386), (456, 21443), (517, 21575), (520, 21581), (547, 21647), (549, 21653), (556, 21677), (573, 21725), (584, 21749), (589, 21758), (616, 21833), (671, 21884), (678, 21899), (736, 22061), (742, 22088), (751, 22118), (780, 22223), (815, 22301), (822, 22337), (824, 22346), (833, 22379), (838, 22394),

Gene: ShiLan_16 Start: 14812, Stop: 16521, Start Num: 87

Candidate Starts for ShiLan_16:

(Start: 87 @14812 has 207 MA's), (150, 14899), (Start: 175 @14944 has 47 MA's), (182, 14968), (230, 15073), (233, 15079), (242, 15097), (257, 15127), (300, 15232), (320, 15286), (323, 15292), (329, 15301), (342, 15322), (352, 15346), (365, 15382), (368, 15388), (396, 15421), (398, 15424), (402, 15433), (408, 15448), (410, 15454), (420, 15472), (427, 15487), (429, 15493), (435, 15511), (436,

15514), (445, 15529), (455, 15544), (456, 15550), (474, 15598), (480, 15610), (484, 15616), (515, 15676), (522, 15688), (538, 15724), (541, 15736), (571, 15811), (573, 15820), (581, 15838), (584, 15844), (596, 15874), (667, 15979), (673, 15991), (687, 16027), (716, 16105), (751, 16225), (759, 16258), (768, 16288), (771, 16300), (776, 16318), (778, 16324), (779, 16327), (781, 16333), (792, 16348), (793, 16351), (798, 16372), (800, 16375), (817, 16417), (822, 16447), (833, 16489), (834, 16495),

Gene: ShiaSurprise_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for ShiaSurprise_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: Shida_56 Start: 33167, Stop: 34903, Start Num: 74

Candidate Starts for Shida_56:

(Start: 69 @33158 has 2 MA's), (Start: 74 @33167 has 26 MA's), (134, 33257), (187, 33374), (203, 33410), (214, 33431), (230, 33458), (233, 33464), (249, 33494), (261, 33518), (281, 33569), (342, 33707), (344, 33713), (363, 33764), (365, 33767), (374, 33785), (420, 33836), (429, 33857), (430, 33860), (455, 33908), (456, 33914), (474, 33962), (477, 33968), (480, 33974), (504, 34034), (515, 34058), (517, 34061), (538, 34106), (542, 34121), (546, 34130), (549, 34139), (564, 34184), (573, 34202), (589, 34235), (673, 34373), (680, 34394), (706, 34460), (717, 34490), (734, 34544), (744, 34586), (751, 34607), (755, 34628), (759, 34640), (765, 34661), (781, 34715), (815, 34793), (822, 34829), (827, 34850), (834, 34877),

Gene: Shipwreck_18 Start: 16086, Stop: 17822, Start Num: 82

Candidate Starts for Shipwreck_18:

(Start: 71 @16062 has 2 MA's), (Start: 82 @16086 has 44 MA's), (128, 16146), (136, 16167), (138, 16170), (Start: 195 @16290 has 39 MA's), (213, 16329), (232, 16362), (244, 16386), (296, 16506), (306, 16545), (309, 16551), (351, 16635), (352, 16641), (356, 16653), (365, 16677), (379, 16704), (400, 16722), (417, 16761), (420, 16767), (430, 16791), (456, 16845), (461, 16857), (463, 16866), (490, 16926), (526, 17004), (541, 17043), (554, 17076), (573, 17142), (578, 17157), (584, 17166), (594, 17190), (605, 17220), (610, 17232), (682, 17334), (689, 17346), (691, 17349), (692, 17355), (695, 17364), (734, 17472), (755, 17556), (787, 17655), (824, 17763), (838, 17811),

Gene: Shlim410_20 Start: 17902, Stop: 19482, Start Num: 194

Candidate Starts for Shlim410_20:

(149, 17785), (Start: 194 @17902 has 87 MA's), (310, 18160), (321, 18181), (351, 18235), (363, 18274), (397, 18331), (405, 18352), (518, 18523), (527, 18541), (537, 18565), (543, 18586), (564, 18628), (592, 18709), (623, 18799), (638, 18850), (655, 18901), (662, 18904), (682, 18958), (716, 19048), (796, 19327), (797, 19336), (810, 19366),

Gene: ShortQueendom_26 Start: 21062, Stop: 22843, Start Num: 124

Candidate Starts for ShortQueendom_26:

(Start: 109 @21041 has 207 MA's), (Start: 124 @21062 has 4 MA's), (Start: 146 @21104 has 1 MA's), (171, 21149), (264, 21365), (283, 21410), (289, 21419), (301, 21458), (321, 21509), (322, 21512), (413, 21707), (449, 21776), (549, 21977), (551, 21980), (556, 22001), (596, 22097), (597, 22100), (599, 22106), (623, 22175), (628, 22193), (630, 22202), (639, 22232), (681, 22328), (693, 22361), (698, 22376), (745, 22517), (760, 22574), (794, 22685),

Gene: ShowerHandel_16 Start: 14813, Stop: 16522, Start Num: 87

Candidate Starts for ShowerHandel_16:

(Start: 87 @14813 has 207 MA's), (150, 14900), (Start: 175 @14945 has 47 MA's), (182, 14969), (230, 15074), (233, 15080), (242, 15098), (257, 15128), (300, 15233), (320, 15287), (323, 15293), (329, 15302), (342, 15323), (352, 15347), (365, 15383), (368, 15389), (396, 15422), (398, 15425), (402, 15434), (408, 15449), (410, 15455), (420, 15473), (427, 15488), (429, 15494), (435, 15512), (436, 15515), (445, 15530), (455, 15545), (456, 15551), (474, 15599), (480, 15611), (484, 15617), (515, 15677), (522, 15689), (538, 15725), (541, 15737), (571, 15812), (573, 15821), (581, 15839), (584, 15845), (596, 15875), (667, 15980), (673, 15992), (687, 16028), (716, 16106), (751, 16226), (759, 16259), (768, 16289), (771, 16301), (776, 16319), (778, 16325), (779, 16328), (781, 16334), (792, 16349), (793, 16352), (798, 16373), (800, 16376), (817, 16418), (822, 16448), (833, 16490), (834, 16496),

Gene: ShrimpFriedEgg_18 Start: 14993, Stop: 16702, Start Num: 91

Candidate Starts for ShrimpFriedEgg_18:

(Start: 91 @14993 has 42 MA's), (115, 15020), (136, 15059), (Start: 175 @15125 has 47 MA's), (178, 15137), (190, 15173), (199, 15197), (213, 15224), (227, 15245), (230, 15254), (233, 15260), (251, 15293), (320, 15467), (323, 15473), (329, 15482), (337, 15491), (342, 15503), (352, 15527), (368, 15569), (396, 15602), (420, 15653), (422, 15656), (427, 15668), (445, 15710), (455, 15725), (456, 15731), (474, 15779), (497, 15833), (515, 15857), (546, 15929), (564, 15983), (571, 15992), (573, 16001), (584, 16025), (595, 16052), (596, 16055), (667, 16160), (671, 16169), (687, 16208), (717, 16289), (735, 16346), (744, 16385), (776, 16499), (792, 16529), (793, 16532), (800, 16556), (815, 16592),

Gene: ShroomBoi_16 Start: 14841, Stop: 16550, Start Num: 87

Candidate Starts for ShroomBoi_16:

(Start: 87 @14841 has 207 MA's), (150, 14928), (Start: 175 @14973 has 47 MA's), (182, 14997), (230, 15102), (233, 15108), (242, 15126), (257, 15156), (300, 15261), (323, 15321), (338, 15342), (342, 15351), (352, 15375), (420, 15501), (427, 15516), (429, 15522), (445, 15558), (448, 15561), (455, 15573), (456, 15579), (474, 15627), (480, 15639), (484, 15645), (515, 15705), (522, 15717), (538, 15753), (541, 15765), (571, 15840), (573, 15849), (581, 15867), (584, 15873), (596, 15903), (667, 16008), (671, 16017), (673, 16020), (687, 16056), (716, 16134), (744, 16233), (751, 16254), (759, 16287), (768, 16317), (776, 16347), (778, 16353), (779, 16356), (781, 16362), (792, 16377), (793, 16380), (798, 16401), (817, 16446), (822, 16476), (833, 16518), (834, 16524),

Gene: Shuman_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for Shuman_23:

(Start: 120 @16334 has 4 MA's), (Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (392, 16910), (395, 16925), (397, 16928), (410, 16967), (413, 16976), (456, 17060), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (640, 17453), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: Shweta_18 Start: 14993, Stop: 16702, Start Num: 91

Candidate Starts for Shweta_18:

(Start: 91 @14993 has 42 MA's), (115, 15020), (136, 15059), (Start: 175 @15125 has 47 MA's), (178, 15137), (190, 15173), (199, 15197), (213, 15224), (227, 15245), (230, 15254), (233, 15260), (251, 15293), (320, 15467), (323, 15473), (329, 15482), (337, 15491), (342, 15503), (352, 15527), (368, 15569), (396, 15602), (420, 15653), (422, 15656), (427, 15668), (445, 15710), (455, 15725), (456, 15731), (474, 15779), (497, 15833), (515, 15857), (546, 15929), (564, 15983), (571, 15992), (573, 16001), (584, 16025), (595, 16052), (596, 16055), (667, 16160), (671, 16169), (687, 16208), (717, 16289), (735, 16346), (744, 16385), (776, 16499), (792, 16529), (793, 16532), (800, 16556), (815, 16592),

Gene: Shygu2_27 Start: 19817, Stop: 21616, Start Num: 108

Candidate Starts for Shygu2_27:

(Start: 90 @19793 has 8 MA's), (Start: 108 @19817 has 545 MA's), (Start: 112 @19823 has 3 MA's), (Start: 146 @19877 has 1 MA's), (179, 19946), (208, 20024), (227, 20048), (232, 20060), (233, 20063), (247, 20099), (264, 20138), (Start: 268 @20153 has 11 MA's), (289, 20192), (322, 20285), (338, 20309), (373, 20396), (449, 20549), (495, 20636), (522, 20681), (549, 20750), (556, 20774), (559, 20786), (597, 20873), (623, 20948), (628, 20966), (630, 20975), (637, 20999), (639, 21005), (645, 21020), (662, 21053), (680, 21098), (681, 21101), (689, 21122), (760, 21347), (784, 21425), (792, 21452), (794, 21458), (833, 21593),

Gene: SiSi_16 Start: 14795, Stop: 16504, Start Num: 87

Candidate Starts for SiSi_16:

(Start: 87 @14795 has 207 MA's), (150, 14882), (Start: 175 @14927 has 47 MA's), (182, 14951), (203, 15008), (230, 15056), (233, 15062), (242, 15080), (257, 15110), (300, 15215), (320, 15269), (323, 15275), (329, 15284), (338, 15296), (342, 15305), (352, 15329), (365, 15365), (368, 15371), (374, 15383), (396, 15404), (398, 15407), (402, 15416), (408, 15431), (410, 15437), (420, 15455), (427, 15470), (429, 15476), (435, 15494), (436, 15497), (445, 15512), (455, 15527), (456, 15533), (466, 15563), (474, 15581), (480, 15593), (484, 15599), (515, 15659), (522, 15671), (538, 15707), (541, 15719), (549, 15740), (571, 15794), (573, 15803), (584, 15827), (596, 15857), (667, 15962), (673, 15974), (687, 16010), (701, 16049), (716, 16088), (744, 16187), (751, 16208), (759, 16241), (768, 16271), (776, 16301), (779, 16310), (781, 16316), (792, 16331), (793, 16334), (798, 16355), (800, 16358), (817, 16400), (822, 16430), (833, 16472), (834, 16478),

Gene: Sibs6_29 Start: 21686, Stop: 23488, Start Num: 109

Candidate Starts for Sibs6_29:

(Start: 109 @21686 has 207 MA's), (Start: 124 @21707 has 4 MA's), (Start: 146 @21749 has 1 MA's), (171, 21794), (264, 22010), (283, 22055), (289, 22064), (301, 22103), (321, 22154), (322, 22157), (413, 22352), (449, 22421), (549, 22622), (551, 22625), (556, 22646), (596, 22742), (597, 22745), (599, 22751), (623, 22820), (628, 22838), (630, 22847), (639, 22877), (681, 22973), (693, 23006), (698, 23021), (745, 23162), (760, 23219), (794, 23330),

Gene: Sidious_19 Start: 17289, Stop: 18887, Start Num: 194

Candidate Starts for Sidious_19:

(54, 16992), (Start: 84 @17067 has 1 MA's), (100, 17088), (Start: 194 @17289 has 87 MA's), (258, 17409), (307, 17538), (310, 17547), (319, 17565), (321, 17568), (351, 17622), (413, 17766), (423, 17775), (451, 17838), (462, 17874), (463, 17877), (518, 17910), (541, 17967), (564, 18033), (602, 18144), (610, 18168), (623, 18204), (655, 18306), (682, 18363), (716, 18453), (787, 18693), (810, 18771),

Gene: Silvafighter_18 Start: 14989, Stop: 16698, Start Num: 91

Candidate Starts for Silvafighter_18:

(Start: 91 @14989 has 42 MA's), (115, 15016), (Start: 175 @15121 has 47 MA's), (178, 15133), (190, 15169), (213, 15220), (230, 15250), (233, 15256), (247, 15283), (251, 15289), (300, 15409), (320, 15463), (323, 15469), (337, 15487), (342, 15499), (343, 15502), (352, 15523), (368, 15565), (396, 15598), (420, 15649), (427, 15664), (445, 15706), (455, 15721), (456, 15727), (474, 15775), (486, 15799), (497, 15829), (515, 15853), (541, 15913), (546, 15925), (564, 15979), (571, 15988), (595, 16048), (596, 16051), (667, 16156), (671, 16165), (687, 16204), (735, 16342), (775, 16492), (776, 16495), (779, 16504), (792, 16525), (800, 16552), (815, 16588), (838, 16681),

Gene: Silvy_18 Start: 14990, Stop: 16699, Start Num: 91

Candidate Starts for Silvy_18:

(Start: 91 @14990 has 42 MA's), (115, 15017), (Start: 175 @15122 has 47 MA's), (178, 15134), (190, 15170), (213, 15221), (230, 15251), (233, 15257), (247, 15284), (251, 15290), (300, 15410), (320,

15464), (323, 15470), (337, 15488), (342, 15500), (343, 15503), (352, 15524), (368, 15566), (396, 15599), (420, 15650), (427, 15665), (445, 15707), (455, 15722), (456, 15728), (474, 15776), (486, 15800), (497, 15830), (515, 15854), (541, 15914), (546, 15926), (564, 15980), (571, 15989), (595, 16049), (596, 16052), (667, 16157), (671, 16166), (687, 16205), (735, 16343), (775, 16493), (776, 16496), (779, 16505), (792, 16526), (800, 16553), (815, 16589), (838, 16682),

Gene: Simpliphy_25 Start: 19491, Stop: 21170, Start Num: 94

Candidate Starts for Simpliphy_25:

(Start: 94 @19491 has 79 MA's), (Start: 147 @19575 has 45 MA's), (Start: 183 @19653 has 1 MA's), (227, 19740), (233, 19755), (257, 19803), (271, 19842), (306, 19929), (321, 19962), (342, 19998), (354, 20028), (356, 20034), (400, 20103), (424, 20133), (428, 20145), (429, 20148), (456, 20205), (517, 20337), (520, 20343), (547, 20409), (549, 20415), (556, 20439), (573, 20487), (584, 20511), (589, 20520), (616, 20595), (671, 20646), (678, 20661), (736, 20823), (742, 20850), (751, 20880), (780, 20985), (815, 21063), (822, 21099), (824, 21108), (833, 21141), (838, 21156),

Gene: SimranZ1_17 Start: 14664, Stop: 16373, Start Num: 87

Candidate Starts for SimranZ1_17:

(Start: 87 @14664 has 207 MA's), (150, 14751), (Start: 175 @14796 has 47 MA's), (182, 14820), (230, 14925), (233, 14931), (242, 14949), (257, 14979), (300, 15084), (323, 15144), (342, 15174), (352, 15198), (368, 15240), (396, 15273), (408, 15300), (420, 15324), (427, 15339), (429, 15345), (445, 15381), (448, 15384), (455, 15396), (456, 15402), (474, 15450), (480, 15462), (484, 15468), (515, 15528), (522, 15540), (538, 15576), (541, 15588), (549, 15609), (571, 15663), (573, 15672), (581, 15690), (584, 15696), (596, 15726), (667, 15831), (671, 15840), (673, 15843), (687, 15879), (701, 15918), (716, 15957), (744, 16056), (751, 16077), (759, 16110), (768, 16140), (776, 16170), (778, 16176), (779, 16179), (781, 16185), (792, 16200), (793, 16203), (800, 16227), (817, 16269), (833, 16341),

Gene: SirDuracell_23 Start: 18412, Stop: 20091, Start Num: 94

Candidate Starts for SirDuracell_23:

(Start: 94 @18412 has 79 MA's), (Start: 147 @18496 has 45 MA's), (Start: 183 @18574 has 1 MA's), (227, 18661), (233, 18676), (257, 18724), (271, 18763), (306, 18850), (321, 18883), (342, 18919), (354, 18949), (356, 18955), (400, 19024), (424, 19054), (428, 19066), (429, 19069), (456, 19126), (517, 19258), (520, 19264), (547, 19330), (549, 19336), (556, 19360), (573, 19408), (584, 19432), (589, 19441), (616, 19516), (671, 19567), (678, 19582), (736, 19744), (742, 19771), (751, 19801), (780, 19906), (815, 19984), (822, 20020), (824, 20029), (833, 20062), (838, 20077),

Gene: SirPhilip_22 Start: 16001, Stop: 17767, Start Num: 79

Candidate Starts for SirPhilip_22:

(Start: 62 @15962 has 1 MA's), (Start: 75 @15992 has 25 MA's), (Start: 79 @16001 has 139 MA's), (101, 16031), (122, 16058), (179, 16172), (184, 16190), (Start: 196 @16223 has 7 MA's), (210, 16253), (221, 16286), (266, 16388), (288, 16430), (315, 16511), (359, 16604), (363, 16616), (365, 16619), (383, 16655), (384, 16658), (393, 16673), (395, 16685), (399, 16691), (412, 16733), (418, 16739), (430, 16766), (447, 16802), (515, 16904), (525, 16922), (548, 16982), (558, 17012), (593, 17084), (597, 17096), (647, 17252), (681, 17303), (706, 17369), (718, 17378), (742, 17441), (745, 17453), (759, 17504), (795, 17603), (815, 17654), (835, 17741), (843, 17759),

Gene: Sixama_99 Start: 59417, Stop: 61093, Start Num: 84

Candidate Starts for Sixama_99:

(Start: 84 @59417 has 1 MA's), (Start: 108 @59450 has 545 MA's), (184, 59600), (185, 59603), (199, 59636), (214, 59666), (215, 59669), (305, 59879), (318, 59909), (342, 59951), (350, 59966), (351, 59969), (428, 60065), (443, 60101), (599, 60461), (610, 60497), (681, 60593), (689, 60611), (697, 60635), (727, 60713), (802, 60953), (833, 61067), (838, 61082),

Gene: Sizemore_18 Start: 16641, Stop: 18404, Start Num: 75

Candidate Starts for Sizemore_18:

(Start: 75 @16641 has 25 MA's), (Start: 97 @16650 has 44 MA's), (101, 16656), (Start: 105 @16662 has 8 MA's), (179, 16794), (Start: 196 @16845 has 7 MA's), (210, 16875), (219, 16899), (264, 17001), (279, 17040), (283, 17046), (292, 17061), (304, 17106), (359, 17226), (385, 17283), (399, 17322), (418, 17370), (430, 17397), (434, 17409), (479, 17490), (515, 17535), (597, 17733), (606, 17763), (612, 17781), (623, 17808), (648, 17892), (665, 17910), (677, 17925), (693, 17973), (698, 17988), (733, 18051), (751, 18108), (760, 18147), (776, 18189), (795, 18240), (824, 18336), (843, 18396),

Gene: SkiPole_29 Start: 21425, Stop: 23227, Start Num: 109

Candidate Starts for SkiPole_29:

(Start: 109 @21425 has 207 MA's), (Start: 124 @21446 has 4 MA's), (Start: 146 @21488 has 1 MA's), (171, 21533), (264, 21749), (283, 21794), (289, 21803), (321, 21893), (322, 21896), (365, 21989), (413, 22091), (449, 22160), (545, 22349), (549, 22361), (551, 22364), (556, 22385), (596, 22481), (597, 22484), (599, 22490), (623, 22559), (628, 22577), (630, 22586), (639, 22616), (681, 22712), (693, 22745), (698, 22760), (745, 22901), (760, 22958), (794, 23069), (840, 23222),

Gene: SkinnyPete_18 Start: 14990, Stop: 16699, Start Num: 91

Candidate Starts for SkinnyPete_18:

(Start: 91 @14990 has 42 MA's), (115, 15017), (136, 15056), (Start: 175 @15122 has 47 MA's), (178, 15134), (190, 15170), (199, 15194), (213, 15221), (227, 15242), (230, 15251), (233, 15257), (251, 15290), (320, 15464), (323, 15470), (329, 15479), (337, 15488), (342, 15500), (352, 15524), (368, 15566), (396, 15599), (420, 15650), (422, 15653), (427, 15665), (445, 15707), (455, 15722), (456, 15728), (474, 15776), (497, 15830), (515, 15854), (546, 15926), (564, 15980), (571, 15989), (573, 15998), (584, 16022), (595, 16049), (596, 16052), (667, 16157), (671, 16166), (687, 16205), (717, 16286), (735, 16343), (744, 16382), (776, 16496), (792, 16526), (793, 16529), (800, 16553), (815, 16589),

Gene: Skipitt_27 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for Skipitt_27:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (736, 21237), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: Sknot_29 Start: 20214, Stop: 21986, Start Num: 108

Candidate Starts for Sknot_29:

(Start: 90 @20190 has 8 MA's), (Start: 108 @20214 has 545 MA's), (Start: 183 @20349 has 1 MA's), (189, 20367), (232, 20448), (233, 20451), (262, 20523), (264, 20526), (Start: 268 @20541 has 11 MA's), (289, 20580), (292, 20586), (310, 20649), (338, 20697), (352, 20730), (373, 20784), (412, 20865), (413, 20868), (430, 20898), (513, 21054), (551, 21141), (597, 21261), (636, 21384), (637, 21387), (639, 21393), (669, 21441), (693, 21504), (698, 21519), (701, 21525), (724, 21579), (735, 21618), (738, 21633), (747, 21666), (792, 21822), (794, 21828), (813, 21882),

Gene: Skysand_43 Start: 30914, Stop: 32536, Start Num: 194

Candidate Starts for Skysand_43:

(Start: 194 @30914 has 87 MA's), (243, 31031), (272, 31109), (351, 31271), (353, 31283), (359, 31298), (401, 31364), (405, 31379), (457, 31490), (469, 31520), (470, 31523), (499, 31580), (532, 31652), (565, 31736), (570, 31757), (604, 31844), (622, 31892), (669, 32018), (670, 32021), (683, 32054), (713, 32111), (751, 32240), (760, 32279), (799, 32384), (820, 32447), (822, 32459), (825,

32471), (827, 32480), (838, 32516),

Gene: Slagathor_28 Start: 21029, Stop: 22831, Start Num: 109

Candidate Starts for Slagathor_28:

(Start: 109 @21029 has 207 MA's), (Start: 124 @21050 has 4 MA's), (Start: 146 @21092 has 1 MA's), (171, 21137), (264, 21353), (283, 21398), (289, 21407), (301, 21446), (321, 21497), (322, 21500), (413, 21695), (449, 21764), (477, 21824), (484, 21836), (549, 21965), (551, 21968), (556, 21989), (596, 22085), (597, 22088), (599, 22094), (623, 22163), (628, 22181), (630, 22190), (639, 22220), (681, 22316), (693, 22349), (698, 22364), (745, 22505), (760, 22562), (794, 22673),

Gene: Slarp_24 Start: 18633, Stop: 20420, Start Num: 79

Candidate Starts for Slarp_24:

(Start: 62 @18594 has 1 MA's), (Start: 75 @18624 has 25 MA's), (Start: 78 @18630 has 41 MA's), (Start: 79 @18633 has 139 MA's), (129, 18690), (154, 18738), (Start: 175 @18777 has 47 MA's), (179, 18792), (184, 18810), (Start: 196 @18843 has 7 MA's), (210, 18873), (227, 18918), (234, 18936), (266, 19008), (Start: 268 @19014 has 11 MA's), (283, 19044), (306, 19110), (310, 19122), (373, 19257), (395, 19305), (399, 19311), (405, 19329), (418, 19359), (434, 19398), (515, 19524), (541, 19584), (542, 19587), (549, 19605), (555, 19620), (612, 19788), (630, 19842), (645, 19887), (668, 19932), (681, 19956), (693, 19989), (706, 20022), (742, 20094), (745, 20106), (759, 20157), (760, 20163), (798, 20265), (834, 20391), (843, 20412),

Gene: Sleepyhead_18 Start: 15726, Stop: 17306, Start Num: 125

Candidate Starts for Sleepyhead_18:

(Start: 125 @15726 has 11 MA's), (Start: 175 @15813 has 47 MA's), (Start: 198 @15879 has 1 MA's), (265, 16026), (Start: 268 @16041 has 11 MA's), (300, 16119), (309, 16146), (475, 16431), (486, 16452), (546, 16581), (548, 16587), (577, 16647), (592, 16674), (593, 16677), (606, 16710), (610, 16722), (622, 16752), (667, 16782), (677, 16803), (681, 16818), (727, 16938), (760, 17058), (762, 17070),

Gene: Slimphazie_23 Start: 17155, Stop: 18921, Start Num: 79

Candidate Starts for Slimphazie_23:

(Start: 79 @17155 has 139 MA's), (101, 17185), (184, 17344), (Start: 196 @17377 has 7 MA's), (210, 17407), (221, 17440), (227, 17452), (266, 17542), (288, 17584), (310, 17656), (315, 17665), (338, 17704), (356, 17749), (363, 17770), (365, 17773), (393, 17827), (399, 17845), (412, 17887), (418, 17893), (430, 17920), (515, 18058), (525, 18076), (541, 18118), (548, 18136), (558, 18166), (573, 18193), (612, 18298), (681, 18457), (694, 18493), (706, 18523), (718, 18532), (745, 18607), (759, 18658), (795, 18757), (824, 18853), (834, 18892), (835, 18895), (843, 18913),

Gene: Smairt_28 Start: 21861, Stop: 23663, Start Num: 109

Candidate Starts for Smairt_28:

(Start: 109 @21861 has 207 MA's), (Start: 124 @21882 has 4 MA's), (Start: 146 @21924 has 1 MA's), (171, 21969), (264, 22185), (283, 22230), (289, 22239), (321, 22329), (322, 22332), (413, 22527), (449, 22596), (545, 22785), (549, 22797), (551, 22800), (556, 22821), (596, 22917), (597, 22920), (599, 22926), (623, 22995), (628, 23013), (630, 23022), (639, 23052), (681, 23148), (693, 23181), (698, 23196), (745, 23337), (760, 23394), (794, 23505), (840, 23658),

Gene: Smeadley_24 Start: 18652, Stop: 20442, Start Num: 108

Candidate Starts for Smeadley_24:

(Start: 90 @18628 has 8 MA's), (Start: 108 @18652 has 545 MA's), (170, 18745), (184, 18790), (233, 18889), (247, 18925), (264, 18964), (Start: 268 @18979 has 11 MA's), (288, 19015), (338, 19135), (341, 19141), (399, 19261), (456, 19390), (495, 19462), (549, 19576), (628, 19792), (637, 19825), (681, 19927), (693, 19960), (698, 19975), (713, 20005), (791, 20275), (794, 20284), (795, 20293), (830, 20407),

Gene: Smeagan_30 Start: 20692, Stop: 22464, Start Num: 108

Candidate Starts for Smeagan_30:

(65, 20626), (Start: 90 @20668 has 8 MA's), (Start: 108 @20692 has 545 MA's), (173, 20791), (202, 20875), (227, 20914), (232, 20926), (233, 20929), (262, 21001), (264, 21004), (289, 21058), (301, 21097), (338, 21175), (373, 21262), (412, 21343), (413, 21346), (513, 21532), (551, 21619), (592, 21724), (597, 21739), (637, 21865), (639, 21871), (669, 21919), (698, 21997), (701, 22003), (724, 22057), (735, 22096), (738, 22111), (760, 22195), (785, 22276), (794, 22306),

Gene: Smeagol_29 Start: 22440, Stop: 24242, Start Num: 109

Candidate Starts for Smeagol_29:

(Start: 109 @22440 has 207 MA's), (Start: 124 @22461 has 4 MA's), (Start: 146 @22503 has 1 MA's), (171, 22548), (264, 22764), (283, 22809), (289, 22818), (301, 22857), (322, 22911), (413, 23106), (449, 23175), (549, 23376), (551, 23379), (556, 23400), (596, 23496), (597, 23499), (599, 23505), (623, 23574), (628, 23592), (630, 23601), (639, 23631), (681, 23727), (693, 23760), (698, 23775), (745, 23916), (760, 23973), (794, 24084), (840, 24237),

Gene: SmellyB_31 Start: 19976, Stop: 21748, Start Num: 108

Candidate Starts for SmellyB_31:

(65, 19910), (Start: 90 @19952 has 8 MA's), (Start: 108 @19976 has 545 MA's), (184, 20114), (208, 20174), (233, 20213), (262, 20285), (264, 20288), (269, 20306), (289, 20342), (292, 20348), (338, 20459), (341, 20465), (373, 20546), (399, 20585), (412, 20627), (413, 20630), (441, 20690), (557, 20927), (563, 20942), (597, 21023), (639, 21155), (698, 21281), (720, 21332), (724, 21341), (735, 21380), (736, 21383), (738, 21395), (760, 21479), (792, 21584), (794, 21590), (833, 21725),

Gene: Smooch_59 Start: 35189, Stop: 36925, Start Num: 74

Candidate Starts for Smooch_59:

(Start: 69 @35180 has 2 MA's), (Start: 74 @35189 has 26 MA's), (134, 35279), (187, 35396), (203, 35432), (214, 35453), (230, 35480), (233, 35486), (249, 35516), (261, 35540), (281, 35591), (342, 35729), (344, 35735), (363, 35786), (365, 35789), (374, 35807), (420, 35858), (429, 35879), (430, 35882), (455, 35930), (456, 35936), (474, 35984), (477, 35990), (480, 35996), (504, 36056), (515, 36080), (517, 36083), (538, 36128), (542, 36143), (546, 36152), (549, 36161), (564, 36206), (573, 36224), (589, 36257), (673, 36395), (680, 36416), (689, 36437), (706, 36482), (717, 36512), (734, 36566), (744, 36608), (751, 36629), (755, 36650), (759, 36662), (765, 36683), (781, 36737), (815, 36815), (822, 36851), (827, 36872), (834, 36899),

Gene: Smoothie_49 Start: 29612, Stop: 31303, Start Num: 110

Candidate Starts for Smoothie_49:

(Start: 110 @29612 has 14 MA's), (144, 29672), (159, 29705), (174, 29735), (176, 29738), (244, 29897), (249, 29906), (301, 30035), (319, 30083), (456, 30296), (458, 30302), (466, 30326), (529, 30455), (538, 30476), (549, 30509), (616, 30707), (713, 30860), (742, 30959), (745, 30971), (748, 30980), (771, 31064), (823, 31211), (832, 31247),

Gene: Smurph_18 Start: 14989, Stop: 16698, Start Num: 91

Candidate Starts for Smurph_18:

(Start: 91 @14989 has 42 MA's), (115, 15016), (Start: 175 @15121 has 47 MA's), (178, 15133), (190, 15169), (213, 15220), (230, 15250), (233, 15256), (247, 15283), (251, 15289), (300, 15409), (320, 15463), (323, 15469), (337, 15487), (342, 15499), (343, 15502), (352, 15523), (368, 15565), (396, 15598), (420, 15649), (427, 15664), (445, 15706), (455, 15721), (456, 15727), (474, 15775), (486, 15799), (497, 15829), (515, 15853), (541, 15913), (546, 15925), (564, 15979), (571, 15988), (595, 16048), (596, 16051), (667, 16156), (671, 16165), (687, 16204), (735, 16342), (775, 16492), (776, 16495), (779, 16504), (792, 16525), (800, 16552), (815, 16588), (838, 16681),

Gene: SnapTap_28 Start: 20118, Stop: 21890, Start Num: 108

Candidate Starts for SnapTap_28:

(65, 20052), (Start: 90 @20094 has 8 MA's), (Start: 108 @20118 has 545 MA's), (202, 20301), (232, 20352), (233, 20355), (262, 20427), (264, 20430), (289, 20484), (301, 20523), (318, 20568), (338, 20601), (373, 20688), (412, 20769), (413, 20772), (551, 21045), (597, 21165), (669, 21345), (693, 21408), (698, 21423), (701, 21429), (724, 21483), (735, 21522), (738, 21537), (760, 21621), (794, 21732), (833, 21867),

Gene: Snape_28 Start: 20752, Stop: 22551, Start Num: 108

Candidate Starts for Snape_28:

(65, 20686), (Start: 90 @20728 has 8 MA's), (Start: 108 @20752 has 545 MA's), (141, 20794), (184, 20890), (189, 20905), (232, 20986), (233, 20989), (264, 21064), (Start: 268 @21079 has 11 MA's), (289, 21118), (292, 21124), (306, 21175), (338, 21235), (341, 21241), (373, 21322), (413, 21406), (472, 21532), (485, 21550), (507, 21577), (563, 21718), (592, 21784), (596, 21796), (597, 21799), (662, 21988), (674, 22015), (678, 22024), (683, 22045), (685, 22048), (693, 22069), (698, 22084), (710, 22108), (735, 22183), (738, 22198), (760, 22282), (792, 22387), (794, 22393), (813, 22447), (840, 22546),

Gene: Snazzy_26 Start: 21047, Stop: 22849, Start Num: 109

Candidate Starts for Snazzy_26:

(Start: 109 @21047 has 207 MA's), (Start: 124 @21068 has 4 MA's), (Start: 146 @21110 has 1 MA's), (171, 21155), (264, 21371), (283, 21416), (289, 21425), (301, 21464), (321, 21515), (322, 21518), (413, 21713), (449, 21782), (549, 21983), (551, 21986), (556, 22007), (596, 22103), (597, 22106), (599, 22112), (623, 22181), (628, 22199), (630, 22208), (639, 22238), (681, 22334), (693, 22367), (698, 22382), (745, 22523), (760, 22580), (794, 22691), (840, 22844),

Gene: Sneeze_18 Start: 16647, Stop: 18410, Start Num: 75

Candidate Starts for Sneeze_18:

(Start: 75 @16647 has 25 MA's), (Start: 97 @16656 has 44 MA's), (101, 16662), (Start: 105 @16668 has 8 MA's), (154, 16746), (179, 16800), (Start: 196 @16851 has 7 MA's), (210, 16881), (219, 16905), (264, 17007), (279, 17046), (283, 17052), (292, 17067), (359, 17232), (385, 17289), (399, 17328), (412, 17370), (418, 17376), (434, 17415), (500, 17514), (515, 17541), (597, 17739), (606, 17769), (612, 17787), (623, 17814), (648, 17898), (665, 17916), (677, 17931), (693, 17979), (698, 17994), (733, 18057), (741, 18081), (751, 18114), (760, 18153), (776, 18195), (824, 18342), (843, 18402),

Gene: Snekmaggedon_18 Start: 14993, Stop: 16702, Start Num: 91

Candidate Starts for Snekmaggedon_18:

(Start: 91 @14993 has 42 MA's), (115, 15020), (136, 15059), (Start: 175 @15125 has 47 MA's), (178, 15137), (190, 15173), (199, 15197), (213, 15224), (227, 15245), (230, 15254), (233, 15260), (251, 15293), (320, 15467), (323, 15473), (329, 15482), (337, 15491), (342, 15503), (352, 15527), (368, 15569), (396, 15602), (420, 15653), (422, 15656), (427, 15668), (445, 15710), (455, 15725), (456, 15731), (474, 15779), (497, 15833), (515, 15857), (546, 15929), (564, 15983), (571, 15992), (573, 16001), (584, 16025), (595, 16052), (596, 16055), (667, 16160), (671, 16169), (687, 16208), (717, 16289), (735, 16346), (744, 16385), (776, 16499), (792, 16529), (793, 16532), (800, 16556), (815, 16592),

Gene: Snickers_29 Start: 20353, Stop: 22149, Start Num: 108

Candidate Starts for Snickers_29:

(Start: 108 @20353 has 545 MA's), (Start: 146 @20410 has 1 MA's), (154, 20425), (179, 20479), (Start: 183 @20494 has 1 MA's), (227, 20581), (232, 20593), (233, 20596), (264, 20671), (Start: 268 @20686 has 11 MA's), (288, 20722), (373, 20929), (449, 21082), (495, 21169), (549, 21283), (556, 21307), (563, 21325), (597, 21406), (623, 21481), (628, 21499), (637, 21532), (639, 21538), (653, 21577), (680, 21631), (681, 21634), (689, 21655), (713, 21712), (760, 21880), (792, 21985), (794,

21991), (833, 22126), (840, 22144),

Gene: SoSeph_21 Start: 17643, Stop: 19415, Start Num: 81

Candidate Starts for SoSeph_21:

(Start: 81 @17643 has 15 MA's), (86, 17649), (103, 17673), (129, 17706), (154, 17754), (179, 17808), (Start: 196 @17859 has 7 MA's), (221, 17922), (Start: 268 @18030 has 11 MA's), (310, 18138), (363, 18252), (365, 18255), (384, 18294), (393, 18309), (395, 18321), (399, 18327), (410, 18363), (412, 18369), (418, 18375), (434, 18414), (447, 18438), (515, 18540), (542, 18603), (557, 18648), (612, 18783), (645, 18882), (683, 18960), (693, 18984), (701, 19005), (709, 19023), (745, 19101), (747, 19107), (798, 19260), (829, 19365), (830, 19368), (834, 19386),

Gene: SoYo_29 Start: 20290, Stop: 22086, Start Num: 108

Candidate Starts for SoYo_29:

(Start: 108 @20290 has 545 MA's), (Start: 146 @20347 has 1 MA's), (154, 20362), (173, 20395), (179, 20416), (Start: 183 @20431 has 1 MA's), (227, 20518), (232, 20530), (233, 20533), (264, 20608), (Start: 268 @20623 has 11 MA's), (288, 20659), (373, 20866), (430, 20980), (449, 21019), (495, 21106), (549, 21220), (556, 21244), (563, 21262), (597, 21343), (623, 21418), (628, 21436), (637, 21469), (639, 21475), (653, 21514), (680, 21568), (681, 21571), (689, 21592), (713, 21649), (760, 21817), (792, 21922), (794, 21928), (833, 22063),

Gene: SoilAssassin_17 Start: 14751, Stop: 16460, Start Num: 195

Candidate Starts for SoilAssassin_17:

(140, 14616), (Start: 195 @14751 has 39 MA's), (269, 14940), (270, 14943), (301, 15018), (328, 15072), (359, 15141), (363, 15153), (405, 15231), (406, 15234), (462, 15366), (487, 15420), (503, 15471), (516, 15501), (541, 15561), (546, 15573), (564, 15609), (604, 15726), (610, 15744), (625, 15783), (655, 15879), (701, 15987), (785, 16263), (787, 16266), (797, 16314), (810, 16344),

Gene: SoilDragon_29 Start: 20067, Stop: 21863, Start Num: 108

Candidate Starts for SoilDragon_29:

(Start: 108 @20067 has 545 MA's), (Start: 146 @20124 has 1 MA's), (154, 20139), (173, 20172), (179, 20193), (Start: 183 @20208 has 1 MA's), (227, 20295), (232, 20307), (233, 20310), (264, 20385), (Start: 268 @20400 has 11 MA's), (288, 20436), (373, 20643), (449, 20796), (495, 20883), (549, 20997), (556, 21021), (563, 21039), (597, 21120), (623, 21195), (628, 21213), (637, 21246), (639, 21252), (653, 21291), (680, 21345), (681, 21348), (689, 21369), (713, 21426), (760, 21594), (792, 21699), (794, 21705), (833, 21840),

Gene: Solon_27 Start: 21712, Stop: 23514, Start Num: 109

Candidate Starts for Solon_27:

(Start: 109 @21712 has 207 MA's), (Start: 124 @21733 has 4 MA's), (Start: 146 @21775 has 1 MA's), (171, 21820), (264, 22036), (283, 22081), (289, 22090), (301, 22129), (321, 22180), (322, 22183), (365, 22276), (413, 22378), (449, 22447), (549, 22648), (551, 22651), (556, 22672), (596, 22768), (597, 22771), (599, 22777), (623, 22846), (628, 22864), (630, 22873), (639, 22903), (681, 22999), (693, 23032), (698, 23047), (745, 23188), (760, 23245), (794, 23356),

Gene: Sonah_19 Start: 16375, Stop: 18111, Start Num: 82

Candidate Starts for Sonah_19:

(Start: 71 @16351 has 2 MA's), (Start: 82 @16375 has 44 MA's), (128, 16435), (136, 16456), (138, 16459), (Start: 195 @16579 has 39 MA's), (213, 16618), (232, 16651), (244, 16675), (296, 16795), (306, 16834), (309, 16840), (351, 16924), (352, 16930), (356, 16942), (365, 16966), (379, 16993), (400, 17011), (417, 17050), (420, 17056), (430, 17080), (456, 17134), (461, 17146), (463, 17155), (490, 17215), (526, 17293), (541, 17332), (554, 17365), (573, 17431), (578, 17446), (584, 17455), (594, 17479), (605, 17509), (610, 17521), (682, 17623), (689, 17635), (691, 17638), (692, 17644), (695, 17653), (734, 17761), (755, 17845), (787, 17944), (824, 18052), (838, 18100),

Gene: SophKB_24 Start: 19745, Stop: 21424, Start Num: 94

Candidate Starts for SophKB_24:

(Start: 94 @19745 has 79 MA's), (Start: 147 @19829 has 45 MA's), (Start: 183 @19907 has 1 MA's), (227, 19994), (233, 20009), (257, 20057), (271, 20096), (306, 20183), (321, 20216), (342, 20252), (354, 20282), (356, 20288), (400, 20357), (424, 20387), (428, 20399), (429, 20402), (456, 20459), (517, 20591), (520, 20597), (547, 20663), (549, 20669), (556, 20693), (573, 20741), (584, 20765), (589, 20774), (616, 20849), (671, 20900), (678, 20915), (736, 21077), (742, 21104), (751, 21134), (780, 21239), (815, 21317), (822, 21353), (824, 21362), (833, 21395), (838, 21410),

Gene: SororFago_28 Start: 19411, Stop: 21210, Start Num: 108

Candidate Starts for SororFago_28:

(Start: 105 @19408 has 8 MA's), (Start: 108 @19411 has 545 MA's), (Start: 183 @19546 has 1 MA's), (211, 19615), (233, 19648), (244, 19678), (262, 19720), (264, 19723), (292, 19783), (338, 19894), (356, 19939), (373, 19981), (410, 20056), (412, 20062), (413, 20065), (441, 20125), (500, 20227), (540, 20314), (551, 20338), (597, 20458), (665, 20656), (698, 20743), (701, 20749), (735, 20842), (792, 21046), (794, 21052),

Gene: Sorpresa_27 Start: 21059, Stop: 22861, Start Num: 109

Candidate Starts for Sorpresa_27:

(Start: 109 @21059 has 207 MA's), (Start: 124 @21080 has 4 MA's), (Start: 146 @21122 has 1 MA's), (264, 21383), (283, 21428), (289, 21437), (301, 21476), (321, 21527), (322, 21530), (413, 21725), (449, 21794), (549, 21995), (551, 21998), (556, 22019), (596, 22115), (597, 22118), (599, 22124), (623, 22193), (628, 22211), (630, 22220), (639, 22250), (681, 22346), (693, 22379), (698, 22394), (745, 22535), (760, 22592), (794, 22703),

Gene: Soshari_31 Start: 20462, Stop: 22258, Start Num: 108

Candidate Starts for Soshari_31:

(Start: 108 @20462 has 545 MA's), (Start: 146 @20519 has 1 MA's), (154, 20534), (173, 20567), (179, 20588), (Start: 183 @20603 has 1 MA's), (227, 20690), (232, 20702), (233, 20705), (264, 20780), (Start: 268 @20795 has 11 MA's), (288, 20831), (373, 21038), (430, 21152), (449, 21191), (495, 21278), (549, 21392), (556, 21416), (563, 21434), (597, 21515), (623, 21590), (628, 21608), (637, 21641), (639, 21647), (653, 21686), (680, 21740), (681, 21743), (689, 21764), (713, 21821), (760, 21989), (792, 22094), (794, 22100), (833, 22235),

Gene: Sotrice96_24 Start: 19701, Stop: 21380, Start Num: 94

Candidate Starts for Sotrice96_24:

(Start: 94 @19701 has 79 MA's), (Start: 147 @19785 has 45 MA's), (Start: 183 @19863 has 1 MA's), (227, 19950), (233, 19965), (257, 20013), (271, 20052), (306, 20139), (321, 20172), (342, 20208), (354, 20238), (356, 20244), (400, 20313), (424, 20343), (428, 20355), (429, 20358), (456, 20415), (517, 20547), (520, 20553), (547, 20619), (549, 20625), (556, 20649), (573, 20697), (584, 20721), (589, 20730), (616, 20805), (671, 20856), (678, 20871), (736, 21033), (742, 21060), (751, 21090), (780, 21195), (815, 21273), (822, 21309), (824, 21318), (833, 21351), (838, 21366),

Gene: Soups_30 Start: 19215, Stop: 21002, Start Num: 108

Candidate Starts for Soups_30:

(65, 19149), (Start: 90 @19191 has 8 MA's), (Start: 108 @19215 has 545 MA's), (184, 19353), (207, 19410), (233, 19452), (247, 19488), (264, 19527), (295, 19596), (301, 19620), (322, 19674), (399, 19824), (413, 19869), (430, 19899), (446, 19935), (468, 19986), (493, 20022), (522, 20070), (546, 20130), (596, 20259), (623, 20337), (698, 20538), (701, 20544), (736, 20640), (782, 20805), (815, 20904),

Gene: Sparkdehlily_16 Start: 14836, Stop: 16545, Start Num: 87

Candidate Starts for Sparkdehlily_16:

(Start: 87 @14836 has 207 MA's), (150, 14923), (Start: 175 @14968 has 47 MA's), (182, 14992), (203, 15049), (230, 15097), (233, 15103), (242, 15121), (257, 15151), (300, 15256), (320, 15310), (323, 15316), (329, 15325), (342, 15346), (352, 15370), (365, 15406), (368, 15412), (396, 15445), (398, 15448), (402, 15457), (408, 15472), (410, 15478), (420, 15496), (427, 15511), (429, 15517), (435, 15535), (436, 15538), (445, 15553), (455, 15568), (456, 15574), (474, 15622), (480, 15634), (484, 15640), (515, 15700), (522, 15712), (538, 15748), (541, 15760), (571, 15835), (573, 15844), (581, 15862), (584, 15868), (596, 15898), (667, 16003), (673, 16015), (687, 16051), (716, 16129), (751, 16249), (759, 16282), (768, 16312), (771, 16324), (776, 16342), (778, 16348), (779, 16351), (781, 16357), (792, 16372), (793, 16375), (798, 16396), (800, 16399), (817, 16441), (822, 16471), (833, 16513), (834, 16519),

Gene: Sparxx_27 Start: 19825, Stop: 21603, Start Num: 108

Candidate Starts for Sparxx_27:

(Start: 90 @19801 has 8 MA's), (Start: 108 @19825 has 545 MA's), (Start: 146 @19882 has 1 MA's), (Start: 175 @19936 has 47 MA's), (179, 19951), (184, 19969), (227, 20053), (232, 20065), (233, 20068), (264, 20143), (Start: 268 @20158 has 11 MA's), (289, 20197), (338, 20314), (373, 20401), (412, 20482), (435, 20530), (449, 20554), (495, 20641), (522, 20686), (551, 20758), (556, 20779), (563, 20797), (597, 20878), (628, 20971), (630, 20980), (637, 21004), (639, 21010), (647, 21034), (681, 21088), (689, 21109), (710, 21160), (719, 21184), (736, 21238), (760, 21334), (792, 21439), (795, 21454), (828, 21562), (833, 21580),

Gene: SpeedDemon_320 Start: 28963, Stop: 30726, Start Num: 113

Candidate Starts for SpeedDemon_320:

(46, 28831), (50, 28837), (Start: 113 @28963 has 4 MA's), (144, 29020), (Start: 209 @29173 has 1 MA's), (247, 29248), (301, 29380), (319, 29428), (358, 29512), (429, 29674), (430, 29677), (453, 29719), (456, 29731), (458, 29737), (484, 29797), (486, 29803), (541, 29923), (554, 29956), (568, 30004), (616, 30130), (678, 30196), (742, 30382), (745, 30394), (766, 30472), (783, 30526), (844, 30718),

Gene: Spike509_29 Start: 20463, Stop: 22259, Start Num: 108

Candidate Starts for Spike509_29:

(Start: 108 @20463 has 545 MA's), (Start: 146 @20520 has 1 MA's), (154, 20535), (173, 20568), (179, 20589), (Start: 183 @20604 has 1 MA's), (227, 20691), (232, 20703), (233, 20706), (264, 20781), (Start: 268 @20796 has 11 MA's), (288, 20832), (373, 21039), (430, 21153), (449, 21192), (495, 21279), (549, 21393), (556, 21417), (563, 21435), (597, 21516), (623, 21591), (628, 21609), (637, 21642), (639, 21648), (653, 21687), (680, 21741), (681, 21744), (689, 21765), (713, 21822), (760, 21990), (792, 22095), (794, 22101), (833, 22236),

Gene: SpikeBT_29 Start: 22017, Stop: 23819, Start Num: 109

Candidate Starts for SpikeBT_29:

(Start: 109 @22017 has 207 MA's), (Start: 124 @22038 has 4 MA's), (Start: 146 @22080 has 1 MA's), (171, 22125), (264, 22341), (283, 22386), (289, 22395), (321, 22485), (322, 22488), (413, 22683), (449, 22752), (549, 22953), (551, 22956), (556, 22977), (596, 23073), (597, 23076), (599, 23082), (623, 23151), (628, 23169), (630, 23178), (639, 23208), (681, 23304), (693, 23337), (698, 23352), (745, 23493), (760, 23550), (794, 23661),

Gene: Spikelee_17 Start: 14630, Stop: 16339, Start Num: 87

Candidate Starts for Spikelee_17:

(Start: 87 @14630 has 207 MA's), (150, 14717), (Start: 175 @14762 has 47 MA's), (182, 14786), (230, 14891), (233, 14897), (242, 14915), (257, 14945), (300, 15050), (320, 15104), (323, 15110), (329, 15119), (342, 15140), (352, 15164), (365, 15200), (368, 15206), (396, 15239), (398, 15242), (402, 15251), (408, 15266), (410, 15272), (420, 15290), (427, 15305), (429, 15311), (435, 15329), (436,

15332), (445, 15347), (455, 15362), (456, 15368), (474, 15416), (480, 15428), (484, 15434), (515, 15494), (522, 15506), (538, 15542), (541, 15554), (571, 15629), (573, 15638), (581, 15656), (584, 15662), (596, 15692), (667, 15797), (673, 15809), (687, 15845), (716, 15923), (751, 16043), (759, 16076), (768, 16106), (771, 16118), (776, 16136), (778, 16142), (779, 16145), (781, 16151), (792, 16166), (793, 16169), (798, 16190), (800, 16193), (817, 16235), (822, 16265), (833, 16307), (834, 16313),

Gene: Spino_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Spino_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Splinter_22 Start: 16480, Stop: 17808, Start Num: 268

Candidate Starts for Splinter_22:

(Start: 268 @16480 has 11 MA's), (275, 16495), (346, 16639), (361, 16684), (392, 16729), (401, 16753), (409, 16783), (423, 16804), (426, 16813), (434, 16837), (437, 16846), (462, 16897), (466, 16909), (549, 17002), (553, 17011), (560, 17020), (578, 17065), (590, 17083), (623, 17176), (635, 17221), (665, 17290), (679, 17311), (713, 17392), (725, 17425), (751, 17512), (760, 17548), (764, 17563), (767, 17572), (787, 17614), (796, 17653), (816, 17707), (819, 17725), (833, 17782), (835, 17791),

Gene: Spock_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Spock_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: SpongeBob_18 Start: 14993, Stop: 16702, Start Num: 91

Candidate Starts for SpongeBob_18:

(Start: 91 @14993 has 42 MA's), (115, 15020), (136, 15059), (Start: 175 @15125 has 47 MA's), (178, 15137), (190, 15173), (199, 15197), (213, 15224), (227, 15245), (230, 15254), (233, 15260), (251, 15293), (320, 15467), (323, 15473), (329, 15482), (337, 15491), (342, 15503), (352, 15527), (368, 15569), (396, 15602), (420, 15653), (422, 15656), (427, 15668), (445, 15710), (455, 15725), (456, 15731), (474, 15779), (497, 15833), (515, 15857), (546, 15929), (564, 15983), (571, 15992), (573, 16001), (584, 16025), (595, 16052), (596, 16055), (667, 16160), (671, 16169), (687, 16208), (717, 16289), (735, 16346), (744, 16385), (776, 16499), (792, 16529), (793, 16532), (800, 16556), (815, 16592),

Gene: Spoonbill_16 Start: 14813, Stop: 16522, Start Num: 87

Candidate Starts for Spoonbill_16:

(Start: 87 @14813 has 207 MA's), (150, 14900), (Start: 175 @14945 has 47 MA's), (182, 14969), (230, 15074), (233, 15080), (242, 15098), (257, 15128), (300, 15233), (323, 15293), (338, 15314), (342, 15323), (352, 15347), (396, 15422), (398, 15425), (420, 15473), (427, 15488), (429, 15494), (445, 15530), (448, 15533), (455, 15545), (456, 15551), (474, 15599), (480, 15611), (484, 15617), (515, 15677), (522, 15689), (538, 15725), (541, 15737), (571, 15812), (573, 15821), (581, 15839), (584,

15845), (596, 15875), (667, 15980), (673, 15992), (687, 16028), (716, 16106), (751, 16226), (759, 16259), (768, 16289), (776, 16319), (779, 16328), (781, 16334), (792, 16349), (793, 16352), (800, 16376), (813, 16406), (817, 16418), (822, 16448), (833, 16490),

Gene: Spouty_30 Start: 21779, Stop: 23569, Start Num: 108

Candidate Starts for Spouty_30:

(Start: 105 @21776 has 8 MA's), (Start: 108 @21779 has 545 MA's), (232, 22013), (233, 22016), (262, 22088), (264, 22091), (Start: 268 @22106 has 11 MA's), (289, 22145), (292, 22151), (338, 22262), (373, 22349), (412, 22430), (413, 22433), (441, 22493), (513, 22619), (540, 22682), (551, 22706), (553, 22712), (563, 22745), (597, 22826), (637, 22952), (651, 22994), (653, 22997), (681, 23054), (693, 23087), (698, 23102), (735, 23201), (736, 23204), (738, 23216), (760, 23300), (780, 23366), (792, 23405), (794, 23411), (809, 23456), (824, 23513), (825, 23516),

Gene: Sproutie_17 Start: 14758, Stop: 16467, Start Num: 195

Candidate Starts for Sproutie_17:

(Start: 195 @14758 has 39 MA's), (244, 14875), (301, 15025), (319, 15064), (328, 15079), (359, 15148), (363, 15160), (405, 15238), (406, 15241), (462, 15373), (487, 15427), (516, 15508), (541, 15568), (543, 15574), (546, 15580), (576, 15661), (592, 15697), (604, 15733), (610, 15751), (625, 15790), (647, 15862), (655, 15886), (742, 16120), (746, 16135), (757, 16177), (785, 16270), (787, 16273), (797, 16321), (810, 16351),

Gene: Squee_28 Start: 21966, Stop: 23768, Start Num: 109

Candidate Starts for Squee_28:

(Start: 109 @21966 has 207 MA's), (Start: 124 @21987 has 4 MA's), (Start: 146 @22029 has 1 MA's), (171, 22074), (264, 22290), (283, 22335), (289, 22344), (301, 22383), (321, 22434), (322, 22437), (413, 22632), (449, 22701), (477, 22761), (549, 22902), (551, 22905), (556, 22926), (596, 23022), (597, 23025), (599, 23031), (623, 23100), (628, 23118), (630, 23127), (639, 23157), (681, 23253), (693, 23286), (698, 23301), (745, 23442), (760, 23499), (794, 23610),

Gene: Squint_33 Start: 25007, Stop: 26740, Start Num: 89

Candidate Starts for Squint_33:

(Start: 89 @25007 has 30 MA's), (Start: 147 @25097 has 45 MA's), (150, 25100), (182, 25175), (193, 25202), (227, 25268), (244, 25304), (259, 25334), (264, 25349), (298, 25433), (309, 25469), (321, 25496), (343, 25535), (356, 25568), (359, 25577), (398, 25634), (413, 25676), (453, 25751), (456, 25763), (480, 25823), (503, 25877), (517, 25907), (526, 25925), (531, 25934), (542, 25967), (547, 25979), (549, 25985), (561, 26024), (584, 26081), (678, 26231), (682, 26249), (700, 26291), (711, 26315), (712, 26318), (716, 26333), (727, 26363), (736, 26393), (751, 26450), (803, 26600), (835, 26720), (838, 26726),

Gene: Squirty_17 Start: 14712, Stop: 16421, Start Num: 87

Candidate Starts for Squirty_17:

(Start: 87 @14712 has 207 MA's), (150, 14799), (Start: 175 @14844 has 47 MA's), (182, 14868), (230, 14973), (233, 14979), (242, 14997), (257, 15027), (300, 15132), (323, 15192), (338, 15213), (342, 15222), (352, 15246), (420, 15372), (427, 15387), (429, 15393), (445, 15429), (455, 15444), (456, 15450), (474, 15498), (480, 15510), (484, 15516), (515, 15576), (522, 15588), (538, 15624), (541, 15636), (571, 15711), (573, 15720), (581, 15738), (584, 15744), (596, 15774), (667, 15879), (671, 15888), (673, 15891), (687, 15927), (716, 16005), (744, 16104), (751, 16125), (759, 16158), (768, 16188), (776, 16218), (779, 16227), (781, 16233), (792, 16248), (793, 16251), (798, 16272), (800, 16275), (813, 16305), (817, 16317), (833, 16389),

Gene: StAB_17 Start: 16311, Stop: 18008, Start Num: 83

Candidate Starts for StAB_17:

(Start: 83 @16311 has 8 MA's), (Start: 99 @16332 has 4 MA's), (153, 16416), (169, 16443), (171, 16449), (229, 16581), (251, 16632), (264, 16665), (272, 16689), (321, 16809), (341, 16842), (350, 16860), (369, 16914), (399, 16959), (423, 17016), (428, 17028), (444, 17067), (507, 17127), (517, 17148), (522, 17157), (545, 17214), (576, 17304), (619, 17412), (634, 17466), (637, 17472), (647, 17490), (703, 17586), (720, 17607), (737, 17652), (782, 17811), (789, 17826), (793, 17841), (795, 17853), (838, 17997),

Gene: StAnnes_16 Start: 14854, Stop: 16563, Start Num: 87

Candidate Starts for StAnnes_16:

(Start: 87 @14854 has 207 MA's), (150, 14941), (Start: 175 @14986 has 47 MA's), (182, 15010), (230, 15115), (233, 15121), (242, 15139), (257, 15169), (300, 15274), (323, 15334), (338, 15355), (342, 15364), (352, 15388), (420, 15514), (427, 15529), (429, 15535), (445, 15571), (448, 15574), (455, 15586), (456, 15592), (474, 15640), (480, 15652), (484, 15658), (515, 15718), (522, 15730), (538, 15766), (541, 15778), (571, 15853), (573, 15862), (581, 15880), (584, 15886), (596, 15916), (667, 16021), (671, 16030), (673, 16033), (687, 16069), (716, 16147), (744, 16246), (751, 16267), (759, 16300), (768, 16330), (776, 16360), (779, 16369), (781, 16375), (792, 16390), (793, 16393), (800, 16417), (813, 16447), (817, 16459), (822, 16489), (833, 16531),

Gene: StCroix_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for StCroix_23:

(Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (208, 16526), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (389, 16904), (392, 16910), (395, 16925), (397, 16928), (413, 16976), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: Stagni_29 Start: 20381, Stop: 22177, Start Num: 108

Candidate Starts for Stagni_29:

(Start: 108 @20381 has 545 MA's), (Start: 146 @20438 has 1 MA's), (154, 20453), (179, 20507), (Start: 183 @20522 has 1 MA's), (227, 20609), (232, 20621), (233, 20624), (264, 20699), (Start: 268 @20714 has 11 MA's), (288, 20750), (373, 20957), (449, 21110), (495, 21197), (549, 21311), (556, 21335), (563, 21353), (597, 21434), (623, 21509), (628, 21527), (637, 21560), (639, 21566), (653, 21605), (680, 21659), (681, 21662), (689, 21683), (713, 21740), (760, 21908), (792, 22013), (794, 22019), (833, 22154),

Gene: Stank_27 Start: 20336, Stop: 21931, Start Num: 147

Candidate Starts for Stank_27:

(Start: 94 @20252 has 79 MA's), (Start: 147 @20336 has 45 MA's), (Start: 183 @20414 has 1 MA's), (227, 20501), (233, 20516), (257, 20564), (271, 20603), (306, 20690), (321, 20723), (342, 20759), (354, 20789), (356, 20795), (400, 20864), (424, 20894), (428, 20906), (429, 20909), (456, 20966), (517, 21098), (520, 21104), (547, 21170), (549, 21176), (556, 21200), (573, 21248), (584, 21272), (589, 21281), (616, 21356), (671, 21407), (678, 21422), (736, 21584), (742, 21611), (751, 21641), (780, 21746), (815, 21824), (822, 21860), (824, 21869), (833, 21902), (838, 21917),

Gene: Stap_17 Start: 14836, Stop: 16545, Start Num: 87

Candidate Starts for Stap_17:

(Start: 87 @14836 has 207 MA's), (150, 14923), (Start: 175 @14968 has 47 MA's), (182, 14992), (230, 15097), (233, 15103), (242, 15121), (257, 15151), (300, 15256), (323, 15316), (338, 15337), (342, 15346), (352, 15370), (396, 15445), (420, 15496), (427, 15511), (429, 15517), (445, 15553), (448, 15556), (455, 15568), (456, 15574), (474, 15622), (480, 15634), (484, 15640), (515, 15700), (522, 15712), (538, 15748), (541, 15760), (571, 15835), (573, 15844), (581, 15862), (584, 15868), (596, 15898), (667, 16003), (673, 16015), (687, 16051), (716, 16129), (744, 16228), (751, 16249), (759, 16282), (768, 16312), (776, 16342), (778, 16348), (779, 16351), (781, 16357), (792, 16372), (793,

16375), (798, 16396), (800, 16399), (817, 16441), (833, 16513), (834, 16519),

Gene: StarStruck_42 Start: 30437, Stop: 32053, Start Num: 194

Candidate Starts for StarStruck_42:

(Start: 194 @30437 has 87 MA's), (243, 30551), (359, 30818), (401, 30884), (405, 30899), (419, 30923), (421, 30926), (457, 31010), (469, 31040), (476, 31058), (496, 31091), (499, 31100), (505, 31118), (519, 31148), (532, 31172), (565, 31256), (570, 31277), (593, 31325), (604, 31364), (622, 31412), (669, 31538), (683, 31574), (730, 31685), (751, 31760), (813, 31937), (822, 31979), (838, 32036),

Gene: StarStuff_31 Start: 20049, Stop: 21839, Start Num: 108

Candidate Starts for StarStuff_31:

(65, 19983), (Start: 90 @20025 has 8 MA's), (Start: 108 @20049 has 545 MA's), (189, 20202), (232, 20283), (233, 20286), (262, 20358), (264, 20361), (Start: 268 @20376 has 11 MA's), (289, 20415), (292, 20421), (338, 20532), (347, 20550), (373, 20619), (412, 20700), (413, 20703), (495, 20859), (513, 20889), (597, 21096), (637, 21222), (681, 21324), (693, 21357), (698, 21372), (710, 21396), (735, 21471), (736, 21474), (738, 21486), (760, 21570), (784, 21648), (792, 21675), (794, 21681), (809, 21726), (813, 21735), (833, 21816),

Gene: Starcevich_17 Start: 14598, Stop: 16307, Start Num: 87

Candidate Starts for Starcevich_17:

(Start: 87 @14598 has 207 MA's), (150, 14685), (Start: 175 @14730 has 47 MA's), (182, 14754), (230, 14859), (233, 14865), (242, 14883), (257, 14913), (300, 15018), (323, 15078), (337, 15096), (338, 15099), (342, 15108), (352, 15132), (420, 15258), (427, 15273), (429, 15279), (445, 15315), (448, 15318), (455, 15330), (456, 15336), (474, 15384), (480, 15396), (484, 15402), (515, 15462), (522, 15474), (538, 15510), (541, 15522), (571, 15597), (573, 15606), (581, 15624), (584, 15630), (596, 15660), (667, 15765), (673, 15777), (687, 15813), (716, 15891), (751, 16011), (759, 16044), (768, 16074), (771, 16086), (776, 16104), (778, 16110), (779, 16113), (781, 16119), (792, 16134), (793, 16137), (798, 16158), (800, 16161), (817, 16203), (822, 16233), (833, 16275), (834, 16281),

Gene: Stargaze_18 Start: 16978, Stop: 18702, Start Num: 97

Candidate Starts for Stargaze_18:

(Start: 97 @16978 has 44 MA's), (177, 17098), (Start: 196 @17161 has 7 MA's), (210, 17191), (240, 17266), (264, 17317), (266, 17326), (Start: 268 @17332 has 11 MA's), (283, 17362), (288, 17368), (304, 17422), (337, 17485), (359, 17542), (399, 17638), (403, 17647), (418, 17686), (434, 17725), (454, 17761), (597, 18043), (612, 18091), (623, 18118), (632, 18154), (665, 18208), (751, 18406), (756, 18430), (759, 18439), (776, 18487), (824, 18634), (835, 18676), (836, 18679),

Gene: Stark_25 Start: 19504, Stop: 21183, Start Num: 94

Candidate Starts for Stark_25:

(Start: 94 @19504 has 79 MA's), (Start: 147 @19588 has 45 MA's), (Start: 183 @19666 has 1 MA's), (227, 19753), (233, 19768), (257, 19816), (271, 19855), (306, 19942), (321, 19975), (342, 20011), (354, 20041), (356, 20047), (400, 20116), (424, 20146), (428, 20158), (429, 20161), (456, 20218), (517, 20350), (520, 20356), (547, 20422), (549, 20428), (556, 20452), (573, 20500), (584, 20524), (589, 20533), (616, 20608), (671, 20659), (678, 20674), (736, 20836), (742, 20863), (751, 20893), (780, 20998), (815, 21076), (822, 21112), (824, 21121), (833, 21154), (838, 21169),

Gene: Stasia_28 Start: 20265, Stop: 22046, Start Num: 108

Candidate Starts for Stasia_28:

(Start: 90 @20241 has 8 MA's), (Start: 108 @20265 has 545 MA's), (Start: 146 @20325 has 1 MA's), (179, 20394), (Start: 183 @20409 has 1 MA's), (227, 20496), (232, 20508), (233, 20511), (244, 20541), (264, 20586), (Start: 268 @20601 has 11 MA's), (289, 20640), (338, 20757), (373, 20844), (412, 20925), (430, 20958), (435, 20973), (449, 20997), (495, 21084), (515, 21117), (551, 21201), (556,

21222), (563, 21240), (597, 21321), (628, 21414), (630, 21423), (637, 21447), (639, 21453), (645, 21468), (669, 21501), (681, 21531), (689, 21552), (710, 21603), (736, 21681), (742, 21708), (760, 21777), (768, 21801), (792, 21882), (795, 21897), (826, 21999), (833, 22023),

Gene: Steamy_29 Start: 21239, Stop: 23029, Start Num: 108

Candidate Starts for Steamy_29:

(65, 21173), (Start: 90 @21215 has 8 MA's), (Start: 108 @21239 has 545 MA's), (232, 21473), (233, 21476), (244, 21506), (262, 21548), (264, 21551), (269, 21569), (289, 21605), (292, 21611), (338, 21722), (352, 21755), (373, 21809), (412, 21890), (413, 21893), (468, 22010), (513, 22079), (559, 22199), (563, 22205), (597, 22286), (630, 22388), (637, 22412), (651, 22454), (681, 22514), (693, 22547), (698, 22562), (701, 22568), (713, 22592), (724, 22622), (735, 22661), (736, 22664), (738, 22676), (760, 22760), (809, 22916), (833, 23006),

Gene: StellaBean_24 Start: 19745, Stop: 21424, Start Num: 94

Candidate Starts for StellaBean_24:

(Start: 94 @19745 has 79 MA's), (Start: 147 @19829 has 45 MA's), (Start: 183 @19907 has 1 MA's), (227, 19994), (233, 20009), (257, 20057), (271, 20096), (306, 20183), (321, 20216), (342, 20252), (354, 20282), (356, 20288), (400, 20357), (424, 20387), (428, 20399), (429, 20402), (456, 20459), (517, 20591), (520, 20597), (547, 20663), (549, 20669), (556, 20693), (573, 20741), (584, 20765), (589, 20774), (616, 20849), (671, 20900), (678, 20915), (736, 21077), (742, 21104), (751, 21134), (780, 21239), (815, 21317), (822, 21353), (824, 21362), (833, 21395), (838, 21410),

Gene: StepMih_29 Start: 20429, Stop: 22168, Start Num: 146

Candidate Starts for StepMih_29:

(Start: 108 @20372 has 545 MA's), (Start: 146 @20429 has 1 MA's), (154, 20444), (179, 20498), (Start: 183 @20513 has 1 MA's), (227, 20600), (232, 20612), (233, 20615), (264, 20690), (Start: 268 @20705 has 11 MA's), (288, 20741), (373, 20948), (449, 21101), (495, 21188), (549, 21302), (556, 21326), (563, 21344), (597, 21425), (623, 21500), (628, 21518), (637, 21551), (639, 21557), (653, 21596), (680, 21650), (681, 21653), (689, 21674), (713, 21731), (760, 21899), (792, 22004), (794, 22010), (833, 22145),

Gene: Stephig9_24 Start: 18633, Stop: 20423, Start Num: 108

Candidate Starts for Stephig9_24:

(Start: 90 @18609 has 8 MA's), (Start: 108 @18633 has 545 MA's), (170, 18726), (184, 18771), (233, 18870), (247, 18906), (264, 18945), (Start: 268 @18960 has 11 MA's), (288, 18996), (338, 19116), (341, 19122), (399, 19242), (456, 19371), (495, 19443), (549, 19557), (628, 19773), (637, 19806), (681, 19908), (693, 19941), (698, 19956), (713, 19986), (791, 20256), (794, 20265), (795, 20274), (830, 20388),

Gene: StevieRay_19 Start: 16376, Stop: 18112, Start Num: 82

Candidate Starts for StevieRay_19:

(Start: 71 @16352 has 2 MA's), (Start: 82 @16376 has 44 MA's), (128, 16436), (136, 16457), (138, 16460), (Start: 195 @16580 has 39 MA's), (213, 16619), (232, 16652), (244, 16676), (296, 16796), (306, 16835), (309, 16841), (351, 16925), (352, 16931), (356, 16943), (365, 16967), (379, 16994), (400, 17012), (417, 17051), (420, 17057), (430, 17081), (456, 17135), (461, 17147), (463, 17156), (490, 17216), (526, 17294), (541, 17333), (554, 17366), (573, 17432), (578, 17447), (584, 17456), (594, 17480), (605, 17510), (610, 17522), (682, 17624), (689, 17636), (691, 17639), (692, 17645), (695, 17654), (734, 17762), (755, 17846), (787, 17945), (824, 18053), (838, 18101),

Gene: StewieG_26 Start: 20923, Stop: 22704, Start Num: 124

Candidate Starts for StewieG_26:

(Start: 109 @20902 has 207 MA's), (Start: 124 @20923 has 4 MA's), (Start: 146 @20965 has 1 MA's), (171, 21010), (264, 21226), (283, 21271), (289, 21280), (301, 21319), (321, 21370), (322, 21373),

(413, 21568), (449, 21637), (549, 21838), (551, 21841), (556, 21862), (596, 21958), (597, 21961), (599, 21967), (623, 22036), (628, 22054), (630, 22063), (639, 22093), (681, 22189), (693, 22222), (698, 22237), (745, 22378), (760, 22435), (794, 22546),

Gene: Stickynote_33 Start: 28749, Stop: 30347, Start Num: 195

Candidate Starts for Stickynote_33:

(Start: 195 @28749 has 39 MA's), (272, 28917), (292, 28956), (350, 29091), (371, 29151), (460, 29304), (464, 29316), (467, 29325), (469, 29328), (493, 29373), (499, 29388), (502, 29397), (532, 29460), (538, 29478), (563, 29532), (635, 29748), (677, 29841), (724, 29949), (738, 30003), (758, 30078), (801, 30207), (837, 30333),

Gene: Stiles_17 Start: 16089, Stop: 17786, Start Num: 83

Candidate Starts for Stiles_17:

(Start: 83 @16089 has 8 MA's), (Start: 99 @16110 has 4 MA's), (153, 16194), (169, 16221), (171, 16227), (229, 16359), (251, 16410), (264, 16443), (272, 16467), (321, 16587), (341, 16620), (350, 16638), (369, 16692), (399, 16737), (423, 16794), (428, 16806), (444, 16845), (507, 16905), (517, 16926), (522, 16935), (545, 16992), (576, 17082), (619, 17190), (634, 17244), (637, 17250), (647, 17268), (703, 17364), (720, 17385), (737, 17430), (782, 17589), (789, 17604), (793, 17619), (795, 17631), (838, 17775),

Gene: Stink_28 Start: 20106, Stop: 21905, Start Num: 108

Candidate Starts for Stink_28:

(Start: 90 @20082 has 8 MA's), (Start: 108 @20106 has 545 MA's), (Start: 112 @20112 has 3 MA's), (Start: 146 @20166 has 1 MA's), (179, 20235), (208, 20313), (227, 20337), (232, 20349), (233, 20352), (264, 20427), (Start: 268 @20442 has 11 MA's), (289, 20481), (322, 20574), (338, 20598), (373, 20685), (430, 20799), (495, 20925), (522, 20970), (549, 21039), (556, 21063), (559, 21075), (597, 21162), (623, 21237), (628, 21255), (637, 21288), (639, 21294), (645, 21309), (680, 21387), (681, 21390), (689, 21411), (760, 21636), (784, 21714), (785, 21717), (792, 21741), (794, 21747), (833, 21882), (840, 21900),

Gene: Stinson_23 Start: 17121, Stop: 18887, Start Num: 79

Candidate Starts for Stinson_23:

(Start: 79 @17121 has 139 MA's), (101, 17151), (184, 17310), (Start: 196 @17343 has 7 MA's), (210, 17373), (221, 17406), (227, 17418), (266, 17508), (283, 17544), (288, 17550), (310, 17622), (315, 17631), (338, 17670), (356, 17715), (363, 17736), (365, 17739), (399, 17811), (412, 17853), (418, 17859), (430, 17886), (447, 17922), (479, 17979), (515, 18024), (525, 18042), (548, 18102), (558, 18132), (573, 18159), (612, 18264), (641, 18354), (681, 18423), (694, 18459), (706, 18489), (718, 18498), (745, 18573), (759, 18624), (795, 18723), (815, 18774), (834, 18858), (835, 18861), (843, 18879),

Gene: StolenFromERC_26 Start: 19736, Stop: 21415, Start Num: 94

Candidate Starts for StolenFromERC_26:

(Start: 94 @19736 has 79 MA's), (Start: 147 @19820 has 45 MA's), (Start: 183 @19898 has 1 MA's), (227, 19985), (233, 20000), (257, 20048), (271, 20087), (306, 20174), (321, 20207), (342, 20243), (354, 20273), (356, 20279), (400, 20348), (424, 20378), (428, 20390), (429, 20393), (456, 20450), (517, 20582), (520, 20588), (547, 20654), (549, 20660), (556, 20684), (573, 20732), (584, 20756), (589, 20765), (616, 20840), (671, 20891), (678, 20906), (736, 21068), (742, 21095), (751, 21125), (780, 21230), (815, 21308), (822, 21344), (824, 21353), (833, 21386), (838, 21401),

Gene: StressBall_19 Start: 16273, Stop: 18009, Start Num: 82

Candidate Starts for StressBall_19:

(Start: 71 @16249 has 2 MA's), (Start: 82 @16273 has 44 MA's), (128, 16333), (136, 16354), (138, 16357), (Start: 195 @16477 has 39 MA's), (213, 16516), (232, 16549), (244, 16573), (296, 16693),

(306, 16732), (309, 16738), (351, 16822), (352, 16828), (356, 16840), (365, 16864), (379, 16891), (400, 16909), (417, 16948), (420, 16954), (430, 16978), (456, 17032), (461, 17044), (463, 17053), (490, 17113), (526, 17191), (541, 17230), (554, 17263), (573, 17329), (584, 17353), (594, 17377), (605, 17407), (682, 17521), (689, 17533), (692, 17542), (695, 17551), (734, 17659), (755, 17743), (787, 17842), (824, 17950), (838, 17998),

Gene: Strobilo_19 Start: 15016, Stop: 16785, Start Num: 78

Candidate Starts for Strobilo_19:

(Start: 62 @14980 has 1 MA's), (Start: 75 @15010 has 25 MA's), (Start: 78 @15016 has 41 MA's), (Start: 97 @15031 has 44 MA's), (129, 15073), (154, 15121), (Start: 175 @15160 has 47 MA's), (179, 15175), (Start: 196 @15226 has 7 MA's), (210, 15256), (221, 15289), (227, 15301), (234, 15319), (266, 15391), (Start: 268 @15397 has 11 MA's), (306, 15493), (310, 15505), (359, 15607), (365, 15622), (383, 15658), (399, 15694), (418, 15742), (434, 15781), (447, 15805), (454, 15817), (515, 15907), (520, 15916), (596, 16111), (612, 16162), (630, 16216), (647, 16270), (706, 16384), (718, 16393), (745, 16468), (759, 16519), (760, 16525), (795, 16621), (816, 16675), (834, 16756), (843, 16777),

Gene: Strokeseat_16 Start: 14904, Stop: 16613, Start Num: 87

Candidate Starts for Strokeseat_16:

(Start: 87 @14904 has 207 MA's), (150, 14991), (Start: 175 @15036 has 47 MA's), (182, 15060), (230, 15165), (233, 15171), (242, 15189), (257, 15219), (300, 15324), (323, 15384), (338, 15405), (342, 15414), (352, 15438), (420, 15564), (427, 15579), (429, 15585), (445, 15621), (448, 15624), (455, 15636), (456, 15642), (474, 15690), (480, 15702), (484, 15708), (515, 15768), (522, 15780), (538, 15816), (541, 15828), (571, 15903), (573, 15912), (581, 15930), (584, 15936), (596, 15966), (667, 16071), (671, 16080), (673, 16083), (687, 16119), (716, 16197), (744, 16296), (751, 16317), (759, 16350), (768, 16380), (776, 16410), (779, 16419), (781, 16425), (792, 16440), (793, 16443), (800, 16467), (813, 16497), (817, 16509), (822, 16539), (833, 16581),

Gene: StrongArm_26 Start: 22101, Stop: 23903, Start Num: 109

Candidate Starts for StrongArm_26:

(Start: 109 @22101 has 207 MA's), (Start: 124 @22122 has 4 MA's), (Start: 146 @22164 has 1 MA's), (171, 22209), (264, 22425), (283, 22470), (289, 22479), (301, 22518), (321, 22569), (322, 22572), (413, 22767), (449, 22836), (549, 23037), (551, 23040), (556, 23061), (596, 23157), (597, 23160), (599, 23166), (623, 23235), (628, 23253), (630, 23262), (639, 23292), (681, 23388), (693, 23421), (698, 23436), (713, 23466), (745, 23577), (760, 23634), (794, 23745),

Gene: Strosahl_30 Start: 19057, Stop: 20844, Start Num: 108

Candidate Starts for Strosahl_30:

(65, 18991), (Start: 90 @19033 has 8 MA's), (Start: 108 @19057 has 545 MA's), (184, 19195), (207, 19252), (233, 19294), (247, 19330), (264, 19369), (295, 19438), (301, 19462), (322, 19516), (399, 19666), (413, 19711), (430, 19741), (446, 19777), (468, 19828), (493, 19864), (522, 19912), (546, 19972), (596, 20101), (623, 20179), (698, 20380), (701, 20386), (736, 20482), (782, 20647), (815, 20746),

Gene: Suerte_18 Start: 16811, Stop: 18391, Start Num: 194

Candidate Starts for Suerte_18:

(149, 16694), (Start: 194 @16811 has 87 MA's), (310, 17069), (321, 17090), (351, 17144), (363, 17183), (397, 17240), (405, 17261), (518, 17432), (527, 17450), (537, 17474), (543, 17495), (564, 17537), (592, 17618), (623, 17708), (635, 17753), (655, 17810), (662, 17813), (682, 17867), (716, 17957), (796, 18236), (797, 18245), (810, 18275),

Gene: Sukkupi_43 Start: 29457, Stop: 31073, Start Num: 194

Candidate Starts for Sukkupi_43:

(Start: 194 @29457 has 87 MA's), (Start: 197 @29466 has 1 MA's), (Start: 198 @29469 has 1 MA's), (Start: 209 @29493 has 1 MA's), (243, 29571), (319, 29754), (351, 29811), (353, 29823), (359, 29838), (401, 29904), (405, 29919), (419, 29943), (457, 30030), (460, 30036), (469, 30060), (499, 30120), (510, 30150), (521, 30171), (565, 30276), (570, 30297), (604, 30384), (622, 30432), (669, 30558), (683, 30594), (744, 30759), (750, 30777), (759, 30813), (820, 30987), (822, 30999), (838, 31056),

Gene: Sulley_23 Start: 17121, Stop: 18887, Start Num: 79

Candidate Starts for Sulley_23:

(Start: 79 @17121 has 139 MA's), (101, 17151), (184, 17310), (Start: 196 @17343 has 7 MA's), (210, 17373), (221, 17406), (227, 17418), (266, 17508), (288, 17550), (310, 17622), (315, 17631), (338, 17670), (356, 17715), (363, 17736), (365, 17739), (393, 17793), (399, 17811), (412, 17853), (418, 17859), (430, 17886), (515, 18024), (525, 18042), (541, 18084), (548, 18102), (558, 18132), (573, 18159), (612, 18264), (681, 18423), (694, 18459), (706, 18489), (718, 18498), (745, 18573), (759, 18624), (824, 18819), (834, 18858), (835, 18861), (843, 18879),

Gene: Sumter_26 Start: 20650, Stop: 22452, Start Num: 109

Candidate Starts for Sumter_26:

(Start: 109 @20650 has 207 MA's), (Start: 124 @20671 has 4 MA's), (Start: 146 @20713 has 1 MA's), (171, 20758), (264, 20974), (283, 21019), (289, 21028), (321, 21118), (322, 21121), (413, 21316), (449, 21385), (549, 21586), (551, 21589), (556, 21610), (596, 21706), (597, 21709), (599, 21715), (623, 21784), (628, 21802), (630, 21811), (639, 21841), (681, 21937), (693, 21970), (698, 21985), (745, 22126), (760, 22183), (794, 22294),

Gene: Sunflower1121_21 Start: 16226, Stop: 17992, Start Num: 79

Candidate Starts for Sunflower1121_21:

(Start: 75 @16217 has 25 MA's), (Start: 79 @16226 has 139 MA's), (101, 16256), (Start: 175 @16382 has 47 MA's), (179, 16397), (184, 16415), (Start: 196 @16448 has 7 MA's), (210, 16478), (227, 16523), (266, 16613), (283, 16649), (310, 16727), (315, 16736), (363, 16841), (365, 16844), (395, 16910), (399, 16916), (412, 16958), (418, 16964), (430, 16991), (525, 17147), (548, 17207), (593, 17309), (597, 17321), (612, 17369), (636, 17444), (645, 17468), (681, 17528), (694, 17564), (706, 17594), (745, 17678), (759, 17729), (760, 17735), (795, 17828), (834, 17963), (835, 17966), (843, 17984),

Gene: Sunhee_27 Start: 19447, Stop: 21246, Start Num: 108

Candidate Starts for Sunhee_27:

(Start: 105 @19444 has 8 MA's), (Start: 108 @19447 has 545 MA's), (189, 19600), (211, 19651), (233, 19684), (262, 19756), (264, 19759), (289, 19813), (292, 19819), (338, 19930), (341, 19936), (356, 19975), (359, 19984), (373, 20017), (410, 20092), (412, 20098), (413, 20101), (441, 20161), (500, 20263), (515, 20290), (540, 20350), (551, 20374), (563, 20413), (592, 20479), (597, 20494), (665, 20692), (678, 20719), (693, 20764), (698, 20779), (701, 20785), (735, 20878), (738, 20893), (792, 21082), (794, 21088), (795, 21097), (809, 21133), (834, 21229),

Gene: Sunshine924_26 Start: 20656, Stop: 22458, Start Num: 109

Candidate Starts for Sunshine924_26:

(Start: 109 @20656 has 207 MA's), (Start: 124 @20677 has 4 MA's), (Start: 146 @20719 has 1 MA's), (171, 20764), (264, 20980), (283, 21025), (289, 21034), (301, 21073), (321, 21124), (322, 21127), (413, 21322), (449, 21391), (549, 21592), (551, 21595), (556, 21616), (596, 21712), (597, 21715), (599, 21721), (623, 21790), (628, 21808), (630, 21817), (639, 21847), (681, 21943), (693, 21976), (698, 21991), (745, 22132), (760, 22189), (794, 22300), (840, 22453),

Gene: SuperAwesome_31 Start: 19969, Stop: 21741, Start Num: 108

Candidate Starts for SuperAwesome_31:

(65, 19903), (Start: 90 @19945 has 8 MA's), (Start: 108 @19969 has 545 MA's), (208, 20167), (233, 20206), (262, 20278), (264, 20281), (269, 20299), (289, 20335), (292, 20341), (338, 20452), (341, 20458), (356, 20497), (373, 20539), (399, 20578), (412, 20620), (413, 20623), (441, 20683), (557, 20920), (563, 20935), (597, 21016), (639, 21148), (698, 21274), (720, 21325), (724, 21334), (735, 21373), (736, 21376), (738, 21388), (760, 21472), (792, 21577), (794, 21583), (833, 21718),

Gene: SuperCallie99_31 Start: 19968, Stop: 21740, Start Num: 108

Candidate Starts for SuperCallie99_31:

(65, 19902), (Start: 90 @19944 has 8 MA's), (Start: 108 @19968 has 545 MA's), (208, 20166), (233, 20205), (262, 20277), (264, 20280), (269, 20298), (289, 20334), (292, 20340), (338, 20451), (341, 20457), (356, 20496), (373, 20538), (399, 20577), (412, 20619), (413, 20622), (441, 20682), (557, 20919), (563, 20934), (597, 21015), (639, 21147), (698, 21273), (720, 21324), (724, 21333), (735, 21372), (736, 21375), (738, 21387), (760, 21471), (792, 21576), (794, 21582), (833, 21717),

Gene: SuperGrey_17 Start: 15480, Stop: 17189, Start Num: 87

Candidate Starts for SuperGrey_17:

(Start: 87 @15480 has 207 MA's), (150, 15567), (Start: 175 @15612 has 47 MA's), (182, 15636), (230, 15741), (233, 15747), (242, 15765), (257, 15795), (300, 15900), (323, 15960), (338, 15981), (342, 15990), (352, 16014), (368, 16056), (396, 16089), (402, 16101), (408, 16116), (410, 16122), (420, 16140), (427, 16155), (429, 16161), (445, 16197), (448, 16200), (455, 16212), (456, 16218), (459, 16227), (474, 16266), (480, 16278), (484, 16284), (515, 16344), (522, 16356), (538, 16392), (541, 16404), (571, 16479), (573, 16488), (581, 16506), (584, 16512), (596, 16542), (667, 16647), (671, 16656), (673, 16659), (687, 16695), (716, 16773), (751, 16893), (768, 16956), (776, 16986), (779, 16995), (781, 17001), (792, 17016), (793, 17019), (800, 17043), (813, 17073), (817, 17085), (833, 17157),

Gene: SuperSulley_42 Start: 30625, Stop: 32241, Start Num: 194

Candidate Starts for SuperSulley_42:

(Start: 194 @30625 has 87 MA's), (Start: 198 @30637 has 1 MA's), (243, 30739), (274, 30823), (359, 31006), (401, 31072), (405, 31087), (419, 31111), (457, 31198), (469, 31228), (470, 31231), (499, 31288), (532, 31360), (570, 31465), (604, 31552), (622, 31600), (669, 31726), (683, 31762), (730, 31873), (751, 31948), (813, 32125), (822, 32167), (838, 32224),

Gene: Superchunk_27 Start: 18835, Stop: 20625, Start Num: 108

Candidate Starts for Superchunk_27:

(65, 18769), (Start: 90 @18811 has 8 MA's), (Start: 108 @18835 has 545 MA's), (Start: 124 @18844 has 4 MA's), (189, 18988), (232, 19069), (233, 19072), (262, 19144), (264, 19147), (Start: 268 @19162 has 11 MA's), (289, 19201), (292, 19207), (338, 19318), (341, 19324), (352, 19351), (373, 19405), (412, 19486), (413, 19489), (495, 19645), (513, 19675), (549, 19759), (563, 19801), (583, 19852), (597, 19882), (637, 20008), (660, 20062), (674, 20089), (678, 20098), (681, 20110), (693, 20143), (698, 20158), (710, 20182), (735, 20257), (736, 20260), (738, 20272), (760, 20356), (792, 20461), (809, 20512), (813, 20521), (833, 20602),

Gene: Superphikiman_34 Start: 25162, Stop: 26805, Start Num: 147

Candidate Starts for Superphikiman_34:

(Start: 89 @25072 has 30 MA's), (Start: 147 @25162 has 45 MA's), (150, 25165), (182, 25240), (193, 25267), (227, 25333), (244, 25369), (259, 25399), (264, 25414), (298, 25498), (309, 25534), (321, 25561), (343, 25600), (356, 25633), (359, 25642), (398, 25699), (413, 25741), (453, 25816), (456, 25828), (480, 25888), (503, 25942), (517, 25972), (526, 25990), (531, 25999), (542, 26032), (547, 26044), (549, 26050), (561, 26089), (584, 26146), (678, 26296), (682, 26314), (700, 26356), (711, 26380), (712, 26383), (716, 26398), (727, 26428), (736, 26458), (751, 26515), (803, 26665), (835, 26785), (838, 26791),

Gene: Susceptit_19 Start: 17773, Stop: 19371, Start Num: 194

Candidate Starts for Susceptit_19:

(Start: 194 @17773 has 87 MA's), (307, 18022), (310, 18031), (319, 18049), (321, 18052), (351, 18106), (381, 18181), (413, 18250), (423, 18259), (427, 18271), (451, 18322), (459, 18349), (462, 18358), (463, 18361), (516, 18391), (518, 18394), (541, 18451), (564, 18517), (591, 18595), (602, 18628), (610, 18652), (623, 18688), (655, 18790), (682, 18847), (698, 18892), (701, 18898), (716, 18937), (787, 19177), (810, 19255),

Gene: SwagPiggett_16 Start: 14813, Stop: 16522, Start Num: 87

Candidate Starts for SwagPiggett_16:

(Start: 87 @14813 has 207 MA's), (150, 14900), (Start: 175 @14945 has 47 MA's), (182, 14969), (203, 15026), (230, 15074), (233, 15080), (242, 15098), (257, 15128), (300, 15233), (320, 15287), (323, 15293), (329, 15302), (342, 15323), (352, 15347), (365, 15383), (368, 15389), (396, 15422), (398, 15425), (402, 15434), (408, 15449), (410, 15455), (420, 15473), (427, 15488), (429, 15494), (435, 15512), (436, 15515), (445, 15530), (455, 15545), (456, 15551), (474, 15599), (480, 15611), (484, 15617), (515, 15677), (522, 15689), (538, 15725), (541, 15737), (571, 15812), (573, 15821), (581, 15839), (584, 15845), (596, 15875), (667, 15980), (673, 15992), (687, 16028), (716, 16106), (751, 16226), (759, 16259), (768, 16289), (771, 16301), (776, 16319), (778, 16325), (779, 16328), (781, 16334), (792, 16349), (793, 16352), (798, 16373), (800, 16376), (817, 16418), (822, 16448), (833, 16490), (834, 16496),

Gene: Swann_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for Swann_23:

(Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (208, 16526), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (389, 16904), (392, 16910), (395, 16925), (397, 16928), (413, 16976), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: SweetiePie_28 Start: 20118, Stop: 21890, Start Num: 108

Candidate Starts for SweetiePie_28:

(65, 20052), (Start: 90 @20094 has 8 MA's), (Start: 108 @20118 has 545 MA's), (173, 20217), (202, 20301), (232, 20352), (233, 20355), (262, 20427), (264, 20430), (289, 20484), (301, 20523), (318, 20568), (338, 20601), (373, 20688), (412, 20769), (413, 20772), (551, 21045), (597, 21165), (637, 21291), (669, 21345), (693, 21408), (698, 21423), (701, 21429), (724, 21483), (735, 21522), (738, 21537), (760, 21621), (794, 21732), (833, 21867),

Gene: Sweets_18 Start: 16635, Stop: 18398, Start Num: 75

Candidate Starts for Sweets_18:

(Start: 75 @16635 has 25 MA's), (Start: 97 @16644 has 44 MA's), (101, 16650), (Start: 105 @16656 has 8 MA's), (179, 16788), (Start: 196 @16839 has 7 MA's), (210, 16869), (219, 16893), (264, 16995), (279, 17034), (283, 17040), (292, 17055), (304, 17100), (359, 17220), (385, 17277), (399, 17316), (418, 17364), (430, 17391), (434, 17403), (479, 17484), (515, 17529), (597, 17727), (606, 17757), (612, 17775), (623, 17802), (648, 17886), (665, 17904), (677, 17919), (693, 17967), (698, 17982), (733, 18045), (751, 18102), (760, 18141), (776, 18183), (795, 18234), (824, 18330), (843, 18390),

Gene: SwirlSquare_30 Start: 18974, Stop: 20788, Start Num: 90

Candidate Starts for SwirlSquare_30:

(65, 18932), (Start: 90 @18974 has 8 MA's), (Start: 108 @18998 has 545 MA's), (232, 19232), (233, 19235), (262, 19307), (264, 19310), (Start: 268 @19325 has 11 MA's), (341, 19487), (347, 19499), (373, 19568), (406, 19628), (412, 19649), (413, 19652), (495, 19808), (513, 19838), (549, 19922), (583, 20015), (597, 20045), (637, 20171), (681, 20273), (693, 20306), (698, 20321), (735, 20420), (736, 20423), (738, 20435), (760, 20519), (792, 20624), (813, 20684), (833, 20765),

Gene: Swirley_24 Start: 19634, Stop: 21430, Start Num: 108

Candidate Starts for Swirley_24:

(Start: 108 @19634 has 545 MA's), (Start: 175 @19739 has 47 MA's), (184, 19772), (233, 19871), (264, 19946), (Start: 268 @19961 has 11 MA's), (288, 19997), (310, 20069), (318, 20084), (341, 20123), (430, 20318), (441, 20348), (446, 20354), (522, 20489), (545, 20546), (546, 20549), (549, 20558), (563, 20600), (569, 20618), (596, 20678), (597, 20681), (628, 20774), (630, 20783), (637, 20807), (680, 20915), (693, 20951), (760, 21161), (791, 21263), (794, 21272), (827, 21386), (833, 21407), (835, 21416),

Gene: SwissCheese_28 Start: 21594, Stop: 23396, Start Num: 109

Candidate Starts for SwissCheese_28:

(Start: 109 @21594 has 207 MA's), (Start: 124 @21615 has 4 MA's), (Start: 146 @21657 has 1 MA's), (171, 21702), (264, 21918), (283, 21963), (289, 21972), (301, 22011), (321, 22062), (322, 22065), (413, 22260), (449, 22329), (549, 22530), (551, 22533), (556, 22554), (596, 22650), (597, 22653), (599, 22659), (623, 22728), (628, 22746), (630, 22755), (639, 22785), (681, 22881), (693, 22914), (698, 22929), (713, 22959), (745, 23070), (760, 23127), (794, 23238),

Gene: Switzer_28 Start: 21233, Stop: 23035, Start Num: 109

Candidate Starts for Switzer_28:

(Start: 109 @21233 has 207 MA's), (Start: 124 @21254 has 4 MA's), (Start: 146 @21296 has 1 MA's), (171, 21341), (264, 21557), (283, 21602), (289, 21611), (301, 21650), (321, 21701), (322, 21704), (413, 21899), (449, 21968), (549, 22169), (551, 22172), (556, 22193), (596, 22289), (597, 22292), (599, 22298), (623, 22367), (628, 22385), (630, 22394), (639, 22424), (681, 22520), (693, 22553), (698, 22568), (745, 22709), (760, 22766), (794, 22877), (840, 23030),

Gene: Switzerland_30 Start: 19208, Stop: 20995, Start Num: 108

Candidate Starts for Switzerland_30:

(65, 19142), (Start: 90 @19184 has 8 MA's), (Start: 108 @19208 has 545 MA's), (184, 19346), (207, 19403), (233, 19445), (247, 19481), (264, 19520), (295, 19589), (301, 19613), (322, 19667), (399, 19817), (413, 19862), (430, 19892), (446, 19928), (468, 19979), (493, 20015), (522, 20063), (546, 20123), (596, 20252), (623, 20330), (698, 20531), (701, 20537), (736, 20633), (782, 20798), (815, 20897),

Gene: Swole_29 Start: 21585, Stop: 23387, Start Num: 109

Candidate Starts for Swole_29:

(Start: 109 @21585 has 207 MA's), (Start: 124 @21606 has 4 MA's), (Start: 146 @21648 has 1 MA's), (171, 21693), (264, 21909), (283, 21954), (289, 21963), (301, 22002), (321, 22053), (322, 22056), (413, 22251), (449, 22320), (549, 22521), (551, 22524), (556, 22545), (596, 22641), (597, 22644), (599, 22650), (623, 22719), (628, 22737), (630, 22746), (639, 22776), (681, 22872), (693, 22905), (698, 22920), (745, 23061), (760, 23118), (794, 23229),

Gene: SydNat_24 Start: 19916, Stop: 21715, Start Num: 108

Candidate Starts for SydNat_24:

(Start: 108 @19916 has 545 MA's), (184, 20054), (233, 20153), (264, 20228), (288, 20279), (310, 20351), (318, 20366), (338, 20399), (341, 20405), (389, 20498), (430, 20600), (441, 20630), (446, 20636), (495, 20726), (513, 20756), (549, 20840), (551, 20843), (563, 20882), (569, 20900), (596, 20960), (597, 20963), (628, 21056), (680, 21197), (695, 21239), (794, 21557), (833, 21692), (835, 21701),

Gene: Syra333_22 Start: 16321, Stop: 18087, Start Num: 79

Candidate Starts for Syra333_22:

(Start: 75 @16312 has 25 MA's), (Start: 79 @16321 has 139 MA's), (101, 16351), (122, 16378), (Start: 175 @16477 has 47 MA's), (179, 16492), (184, 16510), (Start: 196 @16543 has 7 MA's), (210, 16573), (227, 16618), (266, 16708), (283, 16744), (310, 16822), (315, 16831), (363, 16936), (365, 16939), (395, 17005), (399, 17011), (418, 17059), (426, 17074), (525, 17242), (548, 17302), (573, 17359), (593, 17404), (597, 17416), (612, 17464), (645, 17563), (681, 17623), (694, 17659), (745, 17773), (759, 17824), (760, 17830), (795, 17923), (834, 18058), (835, 18061), (843, 18079),

Gene: TBond007_22 Start: 17357, Stop: 19120, Start Num: 79

Candidate Starts for TBond007_22:

(Start: 75 @17348 has 25 MA's), (Start: 79 @17357 has 139 MA's), (153, 17459), (179, 17516), (Start: 196 @17567 has 7 MA's), (210, 17597), (219, 17621), (310, 17852), (315, 17861), (321, 17873), (363, 17966), (365, 17969), (399, 18041), (403, 18050), (412, 18083), (418, 18089), (434, 18128), (454, 18164), (515, 18254), (542, 18317), (577, 18404), (612, 18497), (636, 18572), (681, 18653), (698, 18701), (709, 18725), (729, 18752), (747, 18809), (759, 18854), (795, 18956), (807, 18983), (822, 19043), (824, 19052), (830, 19073), (834, 19091), (836, 19097), (843, 19112),

Gene: TBrady12_26 Start: 19820, Stop: 21415, Start Num: 147

Candidate Starts for TBrady12_26:

(Start: 94 @19736 has 79 MA's), (Start: 147 @19820 has 45 MA's), (Start: 183 @19898 has 1 MA's), (227, 19985), (233, 20000), (257, 20048), (271, 20087), (306, 20174), (321, 20207), (342, 20243), (354, 20273), (356, 20279), (400, 20348), (424, 20378), (428, 20390), (429, 20393), (456, 20450), (517, 20582), (520, 20588), (547, 20654), (549, 20660), (556, 20684), (573, 20732), (584, 20756), (589, 20765), (616, 20840), (671, 20891), (678, 20906), (736, 21068), (742, 21095), (751, 21125), (780, 21230), (815, 21308), (822, 21344), (824, 21353), (833, 21386), (838, 21401),

Gene: TChen_17 Start: 15346, Stop: 17073, Start Num: 77

Candidate Starts for TChen_17:

(Start: 77 @15346 has 1 MA's), (80, 15352), (Start: 82 @15358 has 44 MA's), (Start: 94 @15370 has 79 MA's), (Start: 99 @15376 has 4 MA's), (Start: 175 @15496 has 47 MA's), (182, 15520), (190, 15544), (230, 15625), (233, 15631), (242, 15649), (257, 15679), (329, 15853), (342, 15874), (343, 15877), (357, 15913), (374, 15952), (410, 16006), (420, 16024), (422, 16027), (427, 16039), (429, 16045), (445, 16081), (456, 16102), (462, 16120), (474, 16150), (480, 16162), (484, 16168), (515, 16228), (538, 16276), (555, 16321), (571, 16363), (573, 16372), (584, 16396), (596, 16426), (610, 16471), (667, 16531), (671, 16540), (673, 16543), (687, 16579), (717, 16660), (754, 16789), (759, 16810), (768, 16840), (776, 16870), (779, 16879), (781, 16885), (792, 16900), (793, 16903), (838, 17056),

Gene: TClif_22 Start: 16354, Stop: 18120, Start Num: 79

Candidate Starts for TClif_22:

(Start: 62 @16315 has 1 MA's), (Start: 75 @16345 has 25 MA's), (Start: 79 @16354 has 139 MA's), (101, 16384), (179, 16525), (210, 16606), (221, 16639), (227, 16651), (288, 16783), (310, 16855), (315, 16864), (322, 16879), (363, 16969), (365, 16972), (395, 17038), (399, 17044), (412, 17086), (418, 17092), (430, 17119), (515, 17257), (558, 17365), (593, 17437), (612, 17497), (645, 17596), (649, 17611), (694, 17692), (718, 17731), (745, 17806), (759, 17857), (843, 18112),

Gene: TDanisky_16 Start: 14836, Stop: 16545, Start Num: 87

Candidate Starts for TDanisky_16:

(Start: 87 @14836 has 207 MA's), (150, 14923), (Start: 175 @14968 has 47 MA's), (182, 14992), (203, 15049), (230, 15097), (233, 15103), (242, 15121), (257, 15151), (300, 15256), (320, 15310), (323, 15316), (329, 15325), (342, 15346), (352, 15370), (365, 15406), (368, 15412), (396, 15445), (398, 15448), (402, 15457), (408, 15472), (410, 15478), (420, 15496), (427, 15511), (429, 15517), (435, 15535), (436, 15538), (445, 15553), (455, 15568), (456, 15574), (474, 15622), (480, 15634), (484, 15640), (515, 15700), (522, 15712), (538, 15748), (541, 15760), (571, 15835), (573, 15844), (581,

15862), (584, 15868), (596, 15898), (667, 16003), (673, 16015), (687, 16051), (716, 16129), (751, 16249), (759, 16282), (768, 16312), (771, 16324), (776, 16342), (778, 16348), (779, 16351), (781, 16357), (792, 16372), (793, 16375), (798, 16396), (800, 16399), (817, 16441), (822, 16471), (833, 16513), (834, 16519),

Gene: TM4_19 Start: 15094, Stop: 16851, Start Num: 78

Candidate Starts for TM4_19:

(Start: 62 @15058 has 1 MA's), (Start: 75 @15088 has 25 MA's), (Start: 78 @15094 has 41 MA's), (Start: 97 @15109 has 44 MA's), (129, 15151), (154, 15199), (Start: 175 @15238 has 47 MA's), (179, 15253), (Start: 196 @15304 has 7 MA's), (Start: 197 @15307 has 1 MA's), (210, 15334), (221, 15367), (227, 15379), (266, 15469), (Start: 268 @15475 has 11 MA's), (310, 15583), (359, 15685), (363, 15697), (365, 15700), (383, 15736), (399, 15772), (405, 15790), (412, 15814), (418, 15820), (434, 15859), (447, 15883), (454, 15895), (515, 15985), (520, 15994), (542, 16048), (554, 16078), (596, 16189), (612, 16240), (641, 16330), (645, 16339), (647, 16348), (648, 16351), (681, 16384), (695, 16423), (706, 16450), (718, 16459), (745, 16534), (759, 16585), (760, 16591), (792, 16672), (795, 16687), (816, 16741), (834, 16822), (843, 16843),

Gene: TNguyen7_27 Start: 19874, Stop: 21670, Start Num: 108

Candidate Starts for TNguyen7_27:

(Start: 108 @19874 has 545 MA's), (Start: 146 @19931 has 1 MA's), (179, 20000), (227, 20102), (232, 20114), (233, 20117), (264, 20192), (Start: 268 @20207 has 11 MA's), (289, 20246), (347, 20381), (373, 20450), (430, 20564), (495, 20690), (549, 20804), (556, 20828), (563, 20846), (597, 20927), (623, 21002), (628, 21020), (630, 21029), (637, 21053), (639, 21059), (645, 21074), (662, 21107), (680, 21152), (681, 21155), (689, 21176), (693, 21188), (719, 21251), (760, 21401), (792, 21506), (794, 21512), (833, 21647),

Gene: TPA4_19 Start: 17726, Stop: 19462, Start Num: 85

Candidate Starts for TPA4_19:

(66, 17699), (85, 17726), (143, 17798), (173, 17852), (Start: 175 @17858 has 47 MA's), (184, 17891), (292, 18143), (313, 18212), (324, 18230), (351, 18278), (354, 18290), (357, 18299), (369, 18329), (389, 18359), (399, 18386), (405, 18404), (411, 18425), (426, 18449), (482, 18560), (513, 18596), (529, 18626), (582, 18761), (583, 18764), (597, 18794), (612, 18842), (622, 18866), (683, 19007), (732, 19106), (741, 19133), (742, 19136), (755, 19187), (759, 19199), (769, 19226), (781, 19262), (798, 19307), (813, 19343), (825, 19394), (842, 19451),

Gene: TWAMP_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for TWAMP_23:

(Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (208, 16526), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (389, 16904), (392, 16910), (395, 16925), (397, 16928), (413, 16976), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: TZGordon_24 Start: 16619, Stop: 17947, Start Num: 268

Candidate Starts for TZGordon_24:

(Start: 268 @16619 has 11 MA's), (275, 16634), (330, 16748), (346, 16778), (361, 16823), (392, 16868), (410, 16925), (423, 16943), (426, 16952), (434, 16976), (436, 16982), (437, 16985), (462, 17036), (466, 17048), (532, 17090), (549, 17141), (553, 17150), (560, 17159), (578, 17204), (590, 17222), (623, 17315), (635, 17360), (665, 17429), (679, 17450), (711, 17525), (713, 17531), (725, 17564), (751, 17651), (760, 17687), (764, 17702), (767, 17711), (787, 17753), (816, 17846), (819, 17864), (833, 17921), (835, 17930),

Gene: Tachez_23 Start: 17117, Stop: 18883, Start Num: 79

Candidate Starts for Tachez_23:

(Start: 79 @17117 has 139 MA's), (101, 17147), (184, 17306), (Start: 196 @17339 has 7 MA's), (210, 17369), (221, 17402), (227, 17414), (266, 17504), (288, 17546), (310, 17618), (315, 17627), (338, 17666), (356, 17711), (363, 17732), (365, 17735), (393, 17789), (399, 17807), (412, 17849), (418, 17855), (430, 17882), (515, 18020), (525, 18038), (541, 18080), (548, 18098), (558, 18128), (573, 18155), (612, 18260), (681, 18419), (694, 18455), (706, 18485), (718, 18494), (745, 18569), (759, 18620), (795, 18719), (824, 18815), (834, 18854), (835, 18857), (843, 18875),

Gene: Taheera_18 Start: 16666, Stop: 18420, Start Num: 97

Candidate Starts for Taheera_18:

(32, 16453), (Start: 75 @16657 has 25 MA's), (Start: 97 @16666 has 44 MA's), (101, 16672), (Start: 105 @16678 has 8 MA's), (154, 16756), (179, 16810), (Start: 196 @16861 has 7 MA's), (210, 16891), (219, 16915), (264, 17017), (279, 17056), (283, 17062), (292, 17077), (359, 17242), (385, 17299), (399, 17338), (412, 17380), (418, 17386), (434, 17425), (500, 17524), (515, 17551), (537, 17596), (606, 17779), (612, 17797), (623, 17824), (648, 17908), (665, 17926), (677, 17941), (698, 18004), (733, 18067), (741, 18091), (751, 18124), (760, 18163), (776, 18205), (824, 18352), (843, 18412),

Gene: TaiwanKao_24 Start: 17128, Stop: 18894, Start Num: 79

Candidate Starts for TaiwanKao_24:

(Start: 79 @17128 has 139 MA's), (101, 17158), (184, 17317), (Start: 196 @17350 has 7 MA's), (210, 17380), (221, 17413), (227, 17425), (266, 17515), (288, 17557), (307, 17620), (310, 17629), (315, 17638), (338, 17677), (356, 17722), (363, 17743), (365, 17746), (399, 17818), (412, 17860), (418, 17866), (430, 17893), (515, 18031), (525, 18049), (541, 18091), (548, 18109), (558, 18139), (573, 18166), (612, 18271), (681, 18430), (694, 18466), (706, 18496), (718, 18505), (745, 18580), (759, 18631), (824, 18826), (834, 18865), (835, 18868), (843, 18886),

Gene: Taj_16 Start: 14839, Stop: 16548, Start Num: 87

Candidate Starts for Taj_16:

(Start: 87 @14839 has 207 MA's), (150, 14926), (Start: 175 @14971 has 47 MA's), (182, 14995), (230, 15100), (233, 15106), (242, 15124), (257, 15154), (300, 15259), (323, 15319), (337, 15337), (338, 15340), (342, 15349), (352, 15373), (420, 15499), (427, 15514), (429, 15520), (445, 15556), (448, 15559), (455, 15571), (456, 15577), (474, 15625), (480, 15637), (484, 15643), (515, 15703), (522, 15715), (538, 15751), (541, 15763), (571, 15838), (573, 15847), (581, 15865), (584, 15871), (596, 15901), (667, 16006), (671, 16015), (673, 16018), (687, 16054), (716, 16132), (744, 16231), (751, 16252), (759, 16285), (768, 16315), (776, 16345), (779, 16354), (781, 16360), (792, 16375), (793, 16378), (800, 16402), (813, 16432), (817, 16444), (822, 16474), (833, 16516),

Gene: Takoda_23 Start: 16309, Stop: 17934, Start Num: 130

Candidate Starts for Takoda_23:

(Start: 120 @16294 has 4 MA's), (Start: 130 @16309 has 32 MA's), (169, 16378), (181, 16414), (244, 16555), (264, 16600), (313, 16729), (338, 16771), (347, 16789), (351, 16798), (358, 16822), (365, 16840), (392, 16870), (395, 16885), (397, 16888), (410, 16927), (413, 16936), (540, 17137), (596, 17275), (623, 17353), (633, 17392), (637, 17404), (669, 17434), (698, 17512), (757, 17659), (788, 17758), (792, 17773), (838, 17926),

Gene: Tapioca_18 Start: 14989, Stop: 16698, Start Num: 91

Candidate Starts for Tapioca_18:

(Start: 91 @14989 has 42 MA's), (115, 15016), (Start: 175 @15121 has 47 MA's), (178, 15133), (190, 15169), (213, 15220), (230, 15250), (233, 15256), (247, 15283), (251, 15289), (300, 15409), (320, 15463), (323, 15469), (337, 15487), (342, 15499), (343, 15502), (352, 15523), (368, 15565), (396, 15598), (420, 15649), (427, 15664), (445, 15706), (455, 15721), (456, 15727), (474, 15775), (486, 15799), (497, 15829), (515, 15853), (541, 15913), (546, 15925), (564, 15979), (571, 15988), (595, 16048), (596, 16051), (667, 16156), (671, 16165), (687, 16204), (735, 16342), (775, 16492), (776,

16495), (779, 16504), (792, 16525), (800, 16552), (815, 16588), (838, 16681),

Gene: Taquarus_27 Start: 19830, Stop: 21608, Start Num: 108

Candidate Starts for Taquarus_27:

(Start: 90 @19806 has 8 MA's), (Start: 108 @19830 has 545 MA's), (Start: 146 @19887 has 1 MA's), (Start: 175 @19941 has 47 MA's), (179, 19956), (184, 19974), (227, 20058), (232, 20070), (233, 20073), (264, 20148), (Start: 268 @20163 has 11 MA's), (289, 20202), (338, 20319), (373, 20406), (412, 20487), (435, 20535), (449, 20559), (495, 20646), (522, 20691), (551, 20763), (556, 20784), (563, 20802), (597, 20883), (628, 20976), (630, 20985), (637, 21009), (639, 21015), (647, 21039), (681, 21093), (689, 21114), (710, 21165), (719, 21189), (736, 21243), (760, 21339), (792, 21444), (795, 21459), (828, 21567), (833, 21585),

Gene: Taquito_22 Start: 18239, Stop: 20029, Start Num: 78

Candidate Starts for Taquito_22:

(Start: 62 @18203 has 1 MA's), (Start: 75 @18233 has 25 MA's), (Start: 78 @18239 has 41 MA's), (Start: 79 @18242 has 139 MA's), (129, 18299), (154, 18347), (Start: 175 @18386 has 47 MA's), (179, 18401), (184, 18419), (Start: 196 @18452 has 7 MA's), (210, 18482), (227, 18527), (234, 18545), (266, 18617), (Start: 268 @18623 has 11 MA's), (283, 18653), (306, 18719), (310, 18731), (373, 18866), (395, 18914), (399, 18920), (405, 18938), (418, 18968), (434, 19007), (515, 19133), (541, 19193), (542, 19196), (549, 19214), (555, 19229), (612, 19397), (630, 19451), (645, 19496), (668, 19541), (681, 19565), (693, 19598), (742, 19703), (745, 19715), (759, 19766), (760, 19772), (798, 19874), (834, 20000), (843, 20021),

Gene: Tardus_36 Start: 30115, Stop: 31737, Start Num: 123

Candidate Starts for Tardus_36:

(Start: 123 @30115 has 17 MA's), (136, 30136), (144, 30148), (173, 30199), (Start: 195 @30262 has 39 MA's), (232, 30334), (266, 30421), (292, 30472), (300, 30502), (338, 30583), (428, 30703), (430, 30709), (443, 30739), (451, 30748), (462, 30781), (463, 30784), (468, 30796), (490, 30844), (515, 30892), (520, 30901), (558, 31000), (575, 31039), (581, 31051), (623, 31168), (673, 31207), (688, 31246), (711, 31303), (725, 31342), (727, 31351), (740, 31408), (743, 31420), (759, 31477), (760, 31483), (766, 31504), (776, 31537), (795, 31582), (833, 31711), (835, 31720),

Gene: Target_30 Start: 22616, Stop: 24418, Start Num: 109

Candidate Starts for Target_30:

(Start: 109 @22616 has 207 MA's), (Start: 124 @22637 has 4 MA's), (Start: 146 @22679 has 1 MA's), (171, 22724), (264, 22940), (283, 22985), (289, 22994), (301, 23033), (321, 23084), (322, 23087), (413, 23282), (449, 23351), (549, 23552), (551, 23555), (556, 23576), (596, 23672), (597, 23675), (599, 23681), (623, 23750), (628, 23768), (630, 23777), (639, 23807), (681, 23903), (693, 23936), (698, 23951), (745, 24092), (760, 24149), (794, 24260),

Gene: Tarkin_26 Start: 20735, Stop: 22414, Start Num: 94

Candidate Starts for Tarkin_26:

(Start: 94 @20735 has 79 MA's), (Start: 147 @20819 has 45 MA's), (Start: 183 @20897 has 1 MA's), (227, 20984), (233, 20999), (257, 21047), (271, 21086), (306, 21173), (321, 21206), (342, 21242), (354, 21272), (356, 21278), (400, 21347), (424, 21377), (428, 21389), (429, 21392), (456, 21449), (517, 21581), (520, 21587), (547, 21653), (549, 21659), (556, 21683), (573, 21731), (584, 21755), (589, 21764), (616, 21839), (671, 21890), (678, 21905), (736, 22067), (742, 22094), (751, 22124), (780, 22229), (815, 22307), (822, 22343), (824, 22352), (833, 22385), (838, 22400),

Gene: TarsusIV_28 Start: 20208, Stop: 21980, Start Num: 108

Candidate Starts for TarsusIV_28:

(65, 20142), (Start: 90 @20184 has 8 MA's), (Start: 108 @20208 has 545 MA's), (Start: 183 @20343 has 1 MA's), (189, 20361), (232, 20442), (233, 20445), (262, 20517), (264, 20520), (289, 20574), (338,

20691), (373, 20778), (412, 20859), (413, 20862), (513, 21048), (551, 21135), (563, 21174), (597, 21255), (637, 21381), (639, 21387), (698, 21513), (701, 21519), (735, 21612), (738, 21627), (760, 21711), (794, 21822), (813, 21876),

Gene: Tarynearal_23 Start: 19656, Stop: 21452, Start Num: 108

Candidate Starts for Tarynearal_23:

(Start: 108 @19656 has 545 MA's), (Start: 175 @19761 has 47 MA's), (184, 19794), (233, 19893), (264, 19968), (Start: 268 @19983 has 11 MA's), (288, 20019), (310, 20091), (318, 20106), (341, 20145), (352, 20172), (359, 20193), (381, 20232), (441, 20370), (446, 20376), (522, 20511), (545, 20568), (546, 20571), (549, 20580), (563, 20622), (569, 20640), (596, 20700), (597, 20703), (628, 20796), (630, 20805), (637, 20829), (680, 20937), (693, 20973), (760, 21183), (791, 21285), (794, 21294), (827, 21408), (833, 21429), (835, 21438),

Gene: Tarzan_18 Start: 14963, Stop: 16579, Start Num: 117

Candidate Starts for Tarzan_18:

(Start: 117 @14963 has 11 MA's), (173, 15062), (180, 15086), (232, 15197), (233, 15200), (241, 15218), (244, 15227), (270, 15293), (277, 15308), (284, 15317), (287, 15323), (310, 15395), (319, 15413), (350, 15467), (352, 15476), (373, 15530), (429, 15566), (430, 15569), (477, 15677), (512, 15749), (515, 15755), (520, 15764), (529, 15782), (561, 15872), (610, 15986), (615, 16004), (622, 16016), (681, 16082), (700, 16130), (704, 16142), (711, 16154), (717, 16175), (722, 16187), (727, 16202), (736, 16232), (744, 16268), (809, 16457), (825, 16520), (831, 16541), (838, 16565),

Gene: Tasp14_28 Start: 21346, Stop: 23148, Start Num: 109

Candidate Starts for Tasp14_28:

(Start: 109 @21346 has 207 MA's), (Start: 124 @21367 has 4 MA's), (Start: 146 @21409 has 1 MA's), (171, 21454), (264, 21670), (283, 21715), (289, 21724), (301, 21763), (321, 21814), (322, 21817), (365, 21910), (413, 22012), (449, 22081), (545, 22270), (549, 22282), (551, 22285), (556, 22306), (596, 22402), (597, 22405), (599, 22411), (623, 22480), (628, 22498), (630, 22507), (639, 22537), (681, 22633), (693, 22666), (698, 22681), (745, 22822), (760, 22879), (794, 22990),

Gene: Taurus_29 Start: 20378, Stop: 22174, Start Num: 108

Candidate Starts for Taurus_29:

(Start: 108 @20378 has 545 MA's), (Start: 146 @20435 has 1 MA's), (154, 20450), (173, 20483), (179, 20504), (Start: 183 @20519 has 1 MA's), (227, 20606), (232, 20618), (233, 20621), (264, 20696), (Start: 268 @20711 has 11 MA's), (288, 20747), (373, 20954), (430, 21068), (449, 21107), (495, 21194), (549, 21308), (556, 21332), (563, 21350), (597, 21431), (623, 21506), (628, 21524), (637, 21557), (639, 21563), (653, 21602), (680, 21656), (681, 21659), (689, 21680), (713, 21737), (760, 21905), (792, 22010), (794, 22016), (833, 22151),

Gene: Tayonia_19 Start: 17773, Stop: 19371, Start Num: 194

Candidate Starts for Tayonia_19:

(Start: 194 @17773 has 87 MA's), (307, 18022), (310, 18031), (319, 18049), (321, 18052), (351, 18106), (381, 18181), (413, 18250), (423, 18259), (427, 18271), (451, 18322), (459, 18349), (462, 18358), (463, 18361), (516, 18391), (518, 18394), (541, 18451), (564, 18517), (591, 18595), (602, 18628), (610, 18652), (623, 18688), (655, 18790), (682, 18847), (698, 18892), (701, 18898), (716, 18937), (787, 19177), (810, 19255),

Gene: TeardropMSU_23 Start: 19653, Stop: 21332, Start Num: 94

Candidate Starts for TeardropMSU_23:

(Start: 94 @19653 has 79 MA's), (Start: 147 @19737 has 45 MA's), (Start: 183 @19815 has 1 MA's), (227, 19902), (233, 19917), (257, 19965), (271, 20004), (306, 20091), (321, 20124), (342, 20160), (354, 20190), (356, 20196), (400, 20265), (424, 20295), (428, 20307), (429, 20310), (456, 20367), (517, 20499), (520, 20505), (547, 20571), (549, 20577), (556, 20601), (573, 20649), (584, 20673),

(589, 20682), (616, 20757), (671, 20808), (678, 20823), (736, 20985), (742, 21012), (751, 21042), (780, 21147), (815, 21225), (822, 21261), (824, 21270), (833, 21303), (838, 21318),

Gene: Teaspoon_25 Start: 19699, Stop: 21378, Start Num: 94

Candidate Starts for Teaspoon_25:

(Start: 94 @19699 has 79 MA's), (Start: 147 @19783 has 45 MA's), (Start: 183 @19861 has 1 MA's), (227, 19948), (233, 19963), (257, 20011), (271, 20050), (306, 20137), (321, 20170), (342, 20206), (354, 20236), (356, 20242), (400, 20311), (424, 20341), (428, 20353), (429, 20356), (456, 20413), (517, 20545), (520, 20551), (547, 20617), (549, 20623), (556, 20647), (573, 20695), (584, 20719), (589, 20728), (616, 20803), (671, 20854), (678, 20869), (736, 21031), (742, 21058), (751, 21088), (780, 21193), (815, 21271), (822, 21307), (824, 21316), (833, 21349), (838, 21364),

Gene: Techage_19 Start: 16376, Stop: 18112, Start Num: 82

Candidate Starts for Techage_19:

(Start: 71 @16352 has 2 MA's), (Start: 82 @16376 has 44 MA's), (128, 16436), (136, 16457), (138, 16460), (Start: 195 @16580 has 39 MA's), (213, 16619), (232, 16652), (244, 16676), (296, 16796), (306, 16835), (309, 16841), (351, 16925), (352, 16931), (356, 16943), (365, 16967), (379, 16994), (400, 17012), (417, 17051), (420, 17057), (430, 17081), (456, 17135), (461, 17147), (463, 17156), (490, 17216), (526, 17294), (541, 17333), (554, 17366), (573, 17432), (578, 17447), (584, 17456), (594, 17480), (605, 17510), (610, 17522), (682, 17624), (689, 17636), (691, 17639), (692, 17645), (695, 17654), (734, 17762), (755, 17846), (787, 17945), (824, 18053), (838, 18101),

Gene: TelAviv_53 Start: 33442, Stop: 35178, Start Num: 74

Candidate Starts for TelAviv_53:

(Start: 69 @33433 has 2 MA's), (Start: 74 @33442 has 26 MA's), (134, 33532), (187, 33649), (203, 33685), (214, 33706), (230, 33733), (233, 33739), (261, 33793), (281, 33844), (342, 33982), (344, 33988), (363, 34039), (365, 34042), (374, 34060), (420, 34111), (429, 34132), (430, 34135), (455, 34183), (456, 34189), (474, 34237), (477, 34243), (480, 34249), (504, 34309), (515, 34333), (517, 34336), (538, 34381), (542, 34396), (546, 34405), (549, 34414), (564, 34459), (573, 34477), (589, 34510), (673, 34648), (680, 34669), (706, 34735), (717, 34765), (734, 34819), (744, 34861), (751, 34882), (755, 34903), (759, 34915), (765, 34936), (781, 34990), (815, 35068), (822, 35104), (827, 35125), (834, 35152),

Gene: Temprado_32 Start: 19977, Stop: 21749, Start Num: 108

Candidate Starts for Temprado_32:

(65, 19911), (Start: 90 @19953 has 8 MA's), (Start: 108 @19977 has 545 MA's), (233, 20214), (262, 20286), (264, 20289), (Start: 268 @20304 has 11 MA's), (289, 20343), (292, 20349), (338, 20460), (341, 20466), (356, 20505), (373, 20547), (399, 20586), (412, 20628), (413, 20631), (495, 20787), (557, 20928), (563, 20943), (639, 21156), (689, 21255), (698, 21282), (720, 21333), (724, 21342), (735, 21381), (736, 21384), (792, 21585), (794, 21591), (833, 21726),

Gene: Teodoridan_25 Start: 20467, Stop: 22269, Start Num: 109

Candidate Starts for Teodoridan_25:

(Start: 109 @20467 has 207 MA's), (Start: 124 @20488 has 4 MA's), (Start: 146 @20530 has 1 MA's), (171, 20575), (264, 20791), (283, 20836), (289, 20845), (301, 20884), (321, 20935), (322, 20938), (413, 21133), (449, 21202), (549, 21403), (551, 21406), (556, 21427), (596, 21523), (597, 21526), (599, 21532), (623, 21601), (628, 21619), (630, 21628), (639, 21658), (681, 21754), (693, 21787), (698, 21802), (745, 21943), (760, 22000), (794, 22111),

Gene: Terminus_24 Start: 19833, Stop: 21512, Start Num: 94

Candidate Starts for Terminus_24:

(Start: 94 @19833 has 79 MA's), (Start: 147 @19917 has 45 MA's), (Start: 183 @19995 has 1 MA's), (227, 20082), (233, 20097), (257, 20145), (271, 20184), (306, 20271), (321, 20304), (342, 20340),

(354, 20370), (356, 20376), (400, 20445), (424, 20475), (428, 20487), (429, 20490), (456, 20547), (517, 20679), (520, 20685), (547, 20751), (549, 20757), (556, 20781), (573, 20829), (584, 20853), (589, 20862), (616, 20937), (671, 20988), (678, 21003), (736, 21165), (742, 21192), (751, 21222), (780, 21327), (815, 21405), (822, 21441), (824, 21450), (833, 21483), (838, 21498),

Gene: Terror_18 Start: 16666, Stop: 18420, Start Num: 97

Candidate Starts for Terror_18:

(32, 16453), (Start: 75 @16657 has 25 MA's), (Start: 97 @16666 has 44 MA's), (101, 16672), (Start: 105 @16678 has 8 MA's), (154, 16756), (179, 16810), (Start: 196 @16861 has 7 MA's), (210, 16891), (219, 16915), (264, 17017), (279, 17056), (283, 17062), (292, 17077), (359, 17242), (385, 17299), (399, 17338), (412, 17380), (418, 17386), (434, 17425), (500, 17524), (515, 17551), (537, 17596), (606, 17779), (612, 17797), (623, 17824), (648, 17908), (665, 17926), (677, 17941), (698, 18004), (733, 18067), (741, 18091), (751, 18124), (760, 18163), (776, 18205), (824, 18352), (843, 18412),

Gene: Texage_27 Start: 20456, Stop: 22255, Start Num: 108

Candidate Starts for Texage_27:

(Start: 108 @20456 has 545 MA's), (Start: 146 @20516 has 1 MA's), (179, 20585), (227, 20687), (232, 20699), (233, 20702), (264, 20777), (Start: 268 @20792 has 11 MA's), (289, 20831), (347, 20966), (373, 21035), (430, 21149), (495, 21275), (549, 21389), (556, 21413), (559, 21425), (563, 21431), (597, 21512), (623, 21587), (628, 21605), (630, 21614), (637, 21638), (639, 21644), (645, 21659), (662, 21692), (680, 21737), (681, 21740), (689, 21761), (736, 21890), (760, 21986), (792, 22091), (794, 22097), (833, 22232),

Gene: Thanksgivukkah_27 Start: 19831, Stop: 21609, Start Num: 108

Candidate Starts for Thanksgivukkah_27:

(Start: 90 @19807 has 8 MA's), (Start: 108 @19831 has 545 MA's), (Start: 146 @19888 has 1 MA's), (Start: 175 @19942 has 47 MA's), (179, 19957), (184, 19975), (227, 20059), (232, 20071), (233, 20074), (264, 20149), (Start: 268 @20164 has 11 MA's), (289, 20203), (338, 20320), (373, 20407), (412, 20488), (435, 20536), (449, 20560), (495, 20647), (522, 20692), (551, 20764), (556, 20785), (563, 20803), (597, 20884), (628, 20977), (630, 20986), (637, 21010), (639, 21016), (647, 21040), (681, 21094), (689, 21115), (710, 21166), (719, 21190), (760, 21340), (792, 21445), (795, 21460), (828, 21568), (833, 21586),

Gene: ThankyouJordi_18 Start: 17806, Stop: 19404, Start Num: 194

Candidate Starts for ThankyouJordi_18:

(54, 17509), (Start: 84 @17584 has 1 MA's), (100, 17605), (149, 17689), (Start: 194 @17806 has 87 MA's), (310, 18064), (319, 18082), (321, 18085), (351, 18139), (413, 18283), (427, 18304), (451, 18355), (462, 18391), (463, 18394), (518, 18427), (541, 18484), (602, 18661), (610, 18685), (623, 18721), (655, 18823), (682, 18880), (716, 18970), (787, 19210), (810, 19288),

Gene: Theia_22 Start: 19674, Stop: 21470, Start Num: 108

Candidate Starts for Theia_22:

(Start: 99 @19662 has 4 MA's), (Start: 108 @19674 has 545 MA's), (Start: 175 @19779 has 47 MA's), (184, 19812), (233, 19911), (264, 19986), (Start: 268 @20001 has 11 MA's), (288, 20037), (310, 20109), (318, 20124), (341, 20163), (430, 20358), (441, 20388), (446, 20394), (522, 20529), (545, 20586), (546, 20589), (549, 20598), (563, 20640), (569, 20658), (596, 20718), (597, 20721), (628, 20814), (630, 20823), (637, 20847), (680, 20955), (693, 20991), (760, 21201), (791, 21303), (794, 21312), (827, 21426), (833, 21447), (835, 21456),

Gene: TheloniousMonk_29 Start: 22760, Stop: 24562, Start Num: 109

Candidate Starts for TheloniousMonk_29:

(Start: 109 @22760 has 207 MA's), (Start: 124 @22781 has 4 MA's), (Start: 146 @22823 has 1 MA's), (171, 22868), (264, 23084), (283, 23129), (289, 23138), (301, 23177), (321, 23228), (322, 23231),

(413, 23426), (449, 23495), (549, 23696), (551, 23699), (556, 23720), (596, 23816), (597, 23819), (599, 23825), (623, 23894), (628, 23912), (630, 23921), (639, 23951), (681, 24047), (693, 24080), (698, 24095), (745, 24236), (760, 24293), (794, 24404),

Gene: Thespis_19 Start: 16385, Stop: 18121, Start Num: 82

Candidate Starts for Thespis_19:

(Start: 71 @16361 has 2 MA's), (Start: 82 @16385 has 44 MA's), (128, 16445), (136, 16466), (138, 16469), (Start: 195 @16589 has 39 MA's), (213, 16628), (232, 16661), (244, 16685), (296, 16805), (306, 16844), (309, 16850), (351, 16934), (352, 16940), (356, 16952), (365, 16976), (379, 17003), (400, 17021), (417, 17060), (420, 17066), (430, 17090), (456, 17144), (461, 17156), (463, 17165), (490, 17225), (526, 17303), (541, 17342), (554, 17375), (573, 17441), (578, 17456), (584, 17465), (594, 17489), (605, 17519), (610, 17531), (682, 17633), (689, 17645), (691, 17648), (692, 17654), (695, 17663), (734, 17771), (755, 17855), (787, 17954), (824, 18062), (838, 18110),

Gene: Thibault_33 Start: 27746, Stop: 29479, Start Num: 89

Candidate Starts for Thibault_33:

(Start: 89 @27746 has 30 MA's), (Start: 147 @27836 has 45 MA's), (172, 27884), (182, 27914), (193, 27941), (244, 28043), (259, 28073), (298, 28172), (309, 28208), (321, 28235), (343, 28274), (356, 28307), (359, 28316), (429, 28445), (430, 28448), (435, 28463), (456, 28502), (474, 28550), (480, 28562), (484, 28568), (507, 28625), (517, 28646), (526, 28664), (545, 28712), (581, 28814), (605, 28874), (610, 28886), (678, 28970), (681, 28982), (682, 28988), (689, 29000), (691, 29003), (704, 29042), (713, 29060), (726, 29096), (727, 29102), (751, 29189), (775, 29279), (795, 29321), (803, 29339), (814, 29369), (823, 29411), (838, 29465),

Gene: Thimann_20 Start: 17295, Stop: 18875, Start Num: 194

Candidate Starts for Thimann_20:

(149, 17178), (Start: 194 @17295 has 87 MA's), (310, 17553), (321, 17574), (351, 17628), (363, 17667), (397, 17724), (405, 17745), (518, 17916), (527, 17934), (537, 17958), (543, 17979), (564, 18021), (592, 18102), (623, 18192), (655, 18294), (662, 18297), (682, 18351), (716, 18441), (796, 18720), (797, 18729), (810, 18759),

Gene: Thor_27 Start: 21221, Stop: 23023, Start Num: 109

Candidate Starts for Thor_27:

(Start: 109 @21221 has 207 MA's), (Start: 124 @21242 has 4 MA's), (Start: 146 @21284 has 1 MA's), (171, 21329), (264, 21545), (283, 21590), (289, 21599), (321, 21689), (322, 21692), (365, 21785), (413, 21887), (449, 21956), (545, 22145), (549, 22157), (551, 22160), (556, 22181), (596, 22277), (597, 22280), (599, 22286), (623, 22355), (628, 22373), (630, 22382), (639, 22412), (681, 22508), (693, 22541), (698, 22556), (745, 22697), (760, 22754), (794, 22865), (840, 23018),

Gene: ThreeRngTarjay_35 Start: 27471, Stop: 29469, Start Num: 89

Candidate Starts for ThreeRngTarjay_35:

(Start: 89 @27471 has 30 MA's), (Start: 147 @27561 has 45 MA's), (172, 27609), (182, 27639), (193, 27666), (244, 27768), (259, 27798), (298, 27897), (309, 27933), (310, 27939), (321, 27960), (356, 28032), (359, 28041), (368, 28062), (410, 28131), (429, 28170), (430, 28173), (435, 28188), (456, 28227), (474, 28275), (480, 28287), (484, 28293), (503, 28341), (507, 28350), (517, 28371), (526, 28389), (545, 28437), (581, 28539), (610, 28611), (627, 28656), (629, 28668), (656, 28803), (657, 28809), (658, 28833), (659, 28905), (665, 28932), (752, 29181),

Gene: Thresher_25 Start: 20500, Stop: 22179, Start Num: 94

Candidate Starts for Thresher_25:

(Start: 94 @20500 has 79 MA's), (Start: 147 @20584 has 45 MA's), (Start: 183 @20662 has 1 MA's), (227, 20749), (233, 20764), (257, 20812), (271, 20851), (306, 20938), (321, 20971), (342, 21007), (354, 21037), (356, 21043), (400, 21112), (424, 21142), (428, 21154), (429, 21157), (456, 21214),

(517, 21346), (520, 21352), (547, 21418), (549, 21424), (556, 21448), (573, 21496), (584, 21520), (589, 21529), (616, 21604), (671, 21655), (678, 21670), (736, 21832), (742, 21859), (751, 21889), (780, 21994), (815, 22072), (822, 22108), (824, 22117), (833, 22150), (838, 22165),

Gene: ThulaThula_18 Start: 16085, Stop: 17821, Start Num: 82

Candidate Starts for ThulaThula_18:

(Start: 82 @16085 has 44 MA's), (136, 16166), (138, 16169), (170, 16220), (171, 16223), (Start: 175 @16232 has 47 MA's), (Start: 195 @16289 has 39 MA's), (213, 16328), (227, 16349), (232, 16361), (242, 16382), (244, 16385), (247, 16391), (296, 16505), (306, 16544), (309, 16550), (360, 16664), (396, 16715), (400, 16721), (417, 16760), (420, 16766), (430, 16790), (456, 16844), (461, 16856), (463, 16865), (490, 16925), (515, 16982), (526, 17003), (541, 17042), (554, 17075), (573, 17141), (584, 17165), (594, 17189), (605, 17219), (610, 17231), (682, 17333), (689, 17345), (691, 17348), (692, 17354), (695, 17363), (734, 17471), (755, 17555), (775, 17624), (787, 17654), (833, 17795), (838, 17810),

Gene: Thyatira_21 Start: 17495, Stop: 19267, Start Num: 81

Candidate Starts for Thyatira_21:

(Start: 81 @17495 has 15 MA's), (86, 17501), (103, 17525), (129, 17558), (154, 17606), (179, 17660), (Start: 196 @17711 has 7 MA's), (221, 17774), (Start: 268 @17882 has 11 MA's), (310, 17990), (363, 18104), (365, 18107), (384, 18146), (393, 18161), (395, 18173), (399, 18179), (412, 18221), (418, 18227), (434, 18266), (447, 18290), (515, 18392), (542, 18455), (557, 18500), (612, 18635), (645, 18734), (683, 18812), (693, 18836), (701, 18857), (706, 18869), (709, 18875), (745, 18953), (747, 18959), (798, 19112), (829, 19217), (830, 19220), (834, 19238),

Gene: Tiamoceli_33 Start: 28384, Stop: 30003, Start Num: 125

Candidate Starts for Tiamoceli_33:

(Start: 125 @28384 has 11 MA's), (136, 28405), (173, 28468), (227, 28591), (232, 28603), (257, 28660), (292, 28738), (343, 28861), (430, 28975), (443, 29005), (462, 29047), (490, 29110), (515, 29158), (520, 29167), (541, 29218), (558, 29266), (622, 29431), (667, 29461), (706, 29560), (711, 29569), (712, 29572), (727, 29617), (740, 29674), (742, 29680), (743, 29686), (756, 29734), (759, 29743), (760, 29749), (761, 29752), (776, 29803), (795, 29848), (818, 29917), (830, 29965), (833, 29977),

Gene: Tierra_22 Start: 17047, Stop: 18813, Start Num: 79

Candidate Starts for Tierra_22:

(Start: 75 @17038 has 25 MA's), (Start: 79 @17047 has 139 MA's), (101, 17077), (Start: 175 @17203 has 47 MA's), (179, 17218), (184, 17236), (Start: 196 @17269 has 7 MA's), (210, 17299), (227, 17344), (266, 17434), (283, 17470), (310, 17548), (315, 17557), (356, 17641), (359, 17650), (363, 17662), (365, 17665), (384, 17704), (393, 17719), (399, 17737), (412, 17779), (418, 17785), (525, 17968), (548, 18028), (583, 18112), (593, 18130), (612, 18190), (636, 18265), (645, 18289), (681, 18349), (693, 18382), (694, 18385), (701, 18403), (718, 18424), (745, 18499), (759, 18550), (760, 18556), (769, 18577), (795, 18649), (815, 18700), (834, 18784), (835, 18787), (843, 18805),

Gene: Tiffany_29 Start: 20273, Stop: 22069, Start Num: 108

Candidate Starts for Tiffany_29:

(Start: 108 @20273 has 545 MA's), (Start: 146 @20330 has 1 MA's), (154, 20345), (173, 20378), (179, 20399), (Start: 183 @20414 has 1 MA's), (227, 20501), (232, 20513), (233, 20516), (264, 20591), (Start: 268 @20606 has 11 MA's), (288, 20642), (373, 20849), (430, 20963), (449, 21002), (495, 21089), (549, 21203), (556, 21227), (563, 21245), (597, 21326), (623, 21401), (628, 21419), (637, 21452), (639, 21458), (653, 21497), (680, 21551), (681, 21554), (689, 21575), (713, 21632), (760, 21800), (792, 21905), (794, 21911), (833, 22046),

Gene: Tiger_24 Start: 19558, Stop: 21354, Start Num: 108

Candidate Starts for Tiger_24:

(Start: 108 @19558 has 545 MA's), (Start: 175 @19663 has 47 MA's), (184, 19696), (233, 19795), (264, 19870), (Start: 268 @19885 has 11 MA's), (288, 19921), (310, 19993), (318, 20008), (338, 20041), (341, 20047), (430, 20242), (441, 20272), (446, 20278), (522, 20413), (545, 20470), (546, 20473), (549, 20482), (563, 20524), (569, 20542), (596, 20602), (597, 20605), (628, 20698), (630, 20707), (637, 20731), (680, 20839), (693, 20875), (760, 21085), (791, 21187), (794, 21196), (827, 21310), (833, 21331), (835, 21340),

Gene: TimTam_19 Start: 17764, Stop: 19362, Start Num: 194

Candidate Starts for TimTam_19:

(Start: 194 @17764 has 87 MA's), (310, 18022), (319, 18040), (321, 18043), (351, 18097), (381, 18172), (413, 18241), (423, 18250), (427, 18262), (451, 18313), (459, 18340), (462, 18349), (463, 18352), (518, 18385), (541, 18442), (564, 18508), (602, 18619), (610, 18643), (623, 18679), (655, 18781), (682, 18838), (716, 18928), (787, 19168), (810, 19246),

Gene: Timothy_28 Start: 20749, Stop: 22548, Start Num: 108

Candidate Starts for Timothy_28:

(65, 20683), (Start: 90 @20725 has 8 MA's), (Start: 108 @20749 has 545 MA's), (141, 20791), (184, 20887), (189, 20902), (232, 20983), (233, 20986), (264, 21061), (Start: 268 @21076 has 11 MA's), (289, 21115), (292, 21121), (338, 21232), (341, 21238), (373, 21319), (413, 21403), (472, 21529), (485, 21547), (507, 21574), (563, 21715), (592, 21781), (596, 21793), (597, 21796), (662, 21985), (674, 22012), (678, 22021), (683, 22042), (685, 22045), (693, 22066), (698, 22081), (710, 22105), (735, 22180), (738, 22195), (760, 22279), (792, 22384), (794, 22390), (813, 22444), (840, 22543),

Gene: Timshel_28 Start: 22851, Stop: 24653, Start Num: 108

Candidate Starts for Timshel_28:

(65, 22785), (Start: 90 @22827 has 8 MA's), (Start: 99 @22839 has 4 MA's), (Start: 108 @22851 has 545 MA's), (155, 22917), (232, 23082), (233, 23085), (264, 23160), (Start: 268 @23175 has 11 MA's), (341, 23337), (343, 23343), (373, 23418), (441, 23562), (515, 23688), (522, 23700), (549, 23769), (563, 23811), (596, 23907), (597, 23910), (601, 23925), (623, 23985), (628, 24003), (630, 24012), (637, 24036), (639, 24042), (680, 24135), (681, 24138), (693, 24171), (698, 24186), (714, 24222), (716, 24228), (742, 24315), (744, 24324), (785, 24465), (794, 24495), (795, 24504), (825, 24600), (838, 24645),

Gene: TinaBug_18 Start: 16635, Stop: 18398, Start Num: 75

Candidate Starts for TinaBug_18:

(Start: 75 @16635 has 25 MA's), (Start: 97 @16644 has 44 MA's), (101, 16650), (Start: 105 @16656 has 8 MA's), (179, 16788), (Start: 196 @16839 has 7 MA's), (210, 16869), (219, 16893), (264, 16995), (279, 17034), (283, 17040), (292, 17055), (304, 17100), (359, 17220), (385, 17277), (399, 17316), (418, 17364), (430, 17391), (434, 17403), (479, 17484), (515, 17529), (597, 17727), (606, 17757), (612, 17775), (623, 17802), (648, 17886), (665, 17904), (677, 17919), (693, 17967), (698, 17982), (733, 18045), (751, 18102), (760, 18141), (776, 18183), (795, 18234), (824, 18330), (843, 18390),

Gene: TinaFeyge_27 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for TinaFeyge_27:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (736, 21237), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: TinaLin_25 Start: 17451, Stop: 18779, Start Num: 268

Candidate Starts for TinaLin_25:

(Start: 268 @17451 has 11 MA's), (276, 17469), (327, 17577), (367, 17667), (392, 17700), (410, 17757), (423, 17775), (426, 17784), (433, 17805), (436, 17814), (455, 17847), (466, 17880), (539, 17943), (549, 17973), (553, 17982), (560, 17991), (564, 18000), (613, 18120), (623, 18147), (635, 18192), (646, 18222), (662, 18252), (696, 18324), (711, 18357), (713, 18363), (764, 18534), (787, 18585), (813, 18669), (816, 18678), (819, 18696), (839, 18768),

Gene: TingHuaYa_23 Start: 16454, Stop: 18220, Start Num: 79

Candidate Starts for TingHuaYa_23:

(Start: 79 @16454 has 139 MA's), (101, 16484), (184, 16643), (Start: 196 @16676 has 7 MA's), (Start: 197 @16679 has 1 MA's), (210, 16706), (227, 16751), (234, 16769), (266, 16841), (310, 16955), (315, 16964), (338, 17003), (357, 17051), (363, 17069), (365, 17072), (393, 17126), (399, 17144), (412, 17186), (418, 17192), (430, 17219), (447, 17255), (515, 17357), (525, 17375), (548, 17435), (558, 17465), (573, 17492), (612, 17597), (694, 17792), (706, 17822), (745, 17906), (759, 17957), (795, 18056), (798, 18065), (815, 18107), (824, 18152), (834, 18191), (835, 18194), (843, 18212),

Gene: TiniBug_23 Start: 17099, Stop: 18865, Start Num: 79

Candidate Starts for TiniBug_23:

(Start: 79 @17099 has 139 MA's), (101, 17129), (Start: 196 @17321 has 7 MA's), (210, 17351), (221, 17384), (227, 17396), (266, 17486), (288, 17528), (310, 17600), (315, 17609), (338, 17648), (356, 17693), (365, 17717), (399, 17789), (412, 17831), (418, 17837), (430, 17864), (515, 18002), (525, 18020), (541, 18062), (558, 18110), (573, 18137), (612, 18242), (641, 18332), (694, 18437), (706, 18467), (718, 18476), (745, 18551), (759, 18602), (824, 18797), (834, 18836), (835, 18839), (843, 18857),

Gene: TinyDot_19 Start: 15300, Stop: 16880, Start Num: 194

Candidate Starts for TinyDot_19:

(Start: 194 @15300 has 87 MA's), (260, 15420), (321, 15579), (344, 15621), (359, 15663), (405, 15753), (425, 15795), (427, 15801), (516, 15921), (546, 15993), (571, 16056), (604, 16146), (643, 16263), (716, 16446), (750, 16560), (757, 16590), (770, 16632), (797, 16734), (806, 16749),

Gene: TinyPebbles_29 Start: 20465, Stop: 22261, Start Num: 108

Candidate Starts for TinyPebbles_29:

(Start: 108 @20465 has 545 MA's), (Start: 146 @20522 has 1 MA's), (154, 20537), (173, 20570), (179, 20591), (Start: 183 @20606 has 1 MA's), (227, 20693), (232, 20705), (233, 20708), (264, 20783), (Start: 268 @20798 has 11 MA's), (288, 20834), (373, 21041), (430, 21155), (449, 21194), (495, 21281), (549, 21395), (556, 21419), (563, 21437), (597, 21518), (623, 21593), (628, 21611), (637, 21644), (639, 21650), (653, 21689), (680, 21743), (681, 21746), (689, 21767), (713, 21824), (760, 21992), (792, 22097), (794, 22103), (833, 22238),

Gene: TinyTimmy_28 Start: 20792, Stop: 22591, Start Num: 108

Candidate Starts for TinyTimmy_28:

(65, 20726), (Start: 90 @20768 has 8 MA's), (Start: 108 @20792 has 545 MA's), (141, 20834), (184, 20930), (189, 20945), (232, 21026), (233, 21029), (264, 21104), (Start: 268 @21119 has 11 MA's), (289, 21158), (292, 21164), (306, 21215), (338, 21275), (341, 21281), (373, 21362), (413, 21446), (472, 21572), (485, 21590), (507, 21617), (563, 21758), (592, 21824), (596, 21836), (597, 21839), (636, 21962), (662, 22028), (674, 22055), (683, 22085), (685, 22088), (693, 22109), (698, 22124), (710, 22148), (735, 22223), (738, 22238), (760, 22322), (792, 22427), (794, 22433), (813, 22487), (840, 22586),

Gene: Tinybot_26 Start: 19804, Stop: 21585, Start Num: 108

Candidate Starts for Tinybot_26:

(Start: 90 @19780 has 8 MA's), (Start: 108 @19804 has 545 MA's), (Start: 112 @19810 has 3 MA's), (Start: 146 @19864 has 1 MA's), (154, 19879), (179, 19933), (184, 19951), (227, 20035), (232, 20047), (233, 20050), (264, 20125), (Start: 268 @20140 has 11 MA's), (289, 20179), (338, 20296), (373, 20383), (412, 20464), (435, 20512), (449, 20536), (495, 20623), (522, 20668), (551, 20740), (556, 20761), (563, 20779), (597, 20860), (628, 20953), (630, 20962), (637, 20986), (639, 20992), (647, 21016), (681, 21070), (689, 21091), (710, 21142), (719, 21166), (760, 21316), (792, 21421), (795, 21436), (828, 21544), (833, 21562),

Gene: TopsytheTRex_27 Start: 19306, Stop: 21096, Start Num: 108

Candidate Starts for TopsytheTRex_27:

(65, 19240), (Start: 90 @19282 has 8 MA's), (Start: 108 @19306 has 545 MA's), (189, 19459), (232, 19540), (233, 19543), (262, 19615), (264, 19618), (Start: 268 @19633 has 11 MA's), (289, 19672), (292, 19678), (318, 19756), (338, 19789), (341, 19795), (356, 19834), (373, 19876), (410, 19951), (412, 19957), (413, 19960), (441, 20020), (513, 20146), (549, 20230), (563, 20272), (583, 20323), (597, 20353), (637, 20479), (665, 20542), (693, 20614), (698, 20629), (710, 20653), (735, 20728), (738, 20743), (760, 20827), (792, 20932), (794, 20938), (809, 20983), (813, 20992),

Gene: Tiri_23 Start: 17160, Stop: 18926, Start Num: 79

Candidate Starts for Tiri_23:

(Start: 79 @17160 has 139 MA's), (101, 17190), (184, 17349), (Start: 196 @17382 has 7 MA's), (210, 17412), (221, 17445), (227, 17457), (266, 17547), (288, 17589), (310, 17661), (315, 17670), (338, 17709), (356, 17754), (363, 17775), (365, 17778), (393, 17832), (399, 17850), (412, 17892), (418, 17898), (430, 17925), (515, 18063), (525, 18081), (541, 18123), (548, 18141), (558, 18171), (573, 18198), (612, 18303), (681, 18462), (694, 18498), (706, 18528), (718, 18537), (745, 18612), (759, 18663), (824, 18858), (834, 18897), (835, 18900), (843, 18918),

Gene: TiroTheta9_27 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for TiroTheta9_27:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (736, 21237), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: Toaka_27 Start: 19911, Stop: 21698, Start Num: 108

Candidate Starts for Toaka_27:

(65, 19845), (Start: 90 @19887 has 8 MA's), (Start: 108 @19911 has 545 MA's), (232, 20145), (233, 20148), (262, 20220), (264, 20223), (289, 20277), (292, 20283), (338, 20394), (341, 20400), (373, 20481), (412, 20562), (413, 20565), (441, 20625), (449, 20634), (540, 20814), (551, 20838), (563, 20877), (583, 20928), (597, 20958), (653, 21129), (681, 21186), (683, 21195), (698, 21234), (710, 21258), (735, 21333), (747, 21378), (760, 21429), (780, 21495), (792, 21534), (794, 21540), (809, 21585), (824, 21642),

Gene: Toast_19 Start: 16740, Stop: 18389, Start Num: 175

Candidate Starts for Toast_19:

(5, 15693), (6, 15738), (7, 15762), (8, 15768), (10, 15876), (13, 15924), (16, 15996), (20, 16071), (26, 16209), (28, 16239), (29, 16245), (33, 16377), (38, 16434), (39, 16443), (98, 16602), (156, 16704), (Start: 175 @16740 has 47 MA's), (213, 16845), (253, 16923), (273, 16983), (280, 16995), (282, 16998), (364, 17196), (370, 17211), (416, 17295), (422, 17307), (426, 17316), (427, 17319), (434, 17340), (456, 17382), (466, 17412), (549, 17595), (556, 17619), (571, 17670), (584, 17703), (604, 17763), (608, 17775), (624, 17817), (661, 17835), (713, 17970), (742, 18069), (747, 18087), (760,

18138), (778, 18198), (780, 18204), (813, 18279),

Gene: Todacoro_28 Start: 20455, Stop: 22254, Start Num: 108

Candidate Starts for Todacoro_28:

(Start: 108 @20455 has 545 MA's), (Start: 146 @20515 has 1 MA's), (179, 20584), (227, 20686), (232, 20698), (233, 20701), (264, 20776), (Start: 268 @20791 has 11 MA's), (289, 20830), (347, 20965), (373, 21034), (430, 21148), (495, 21274), (549, 21388), (556, 21412), (559, 21424), (563, 21430), (597, 21511), (623, 21586), (628, 21604), (630, 21613), (637, 21637), (639, 21643), (645, 21658), (662, 21691), (680, 21736), (681, 21739), (689, 21760), (736, 21889), (760, 21985), (792, 22090), (794, 22096), (833, 22231),

Gene: TomBrady_18 Start: 16650, Stop: 18404, Start Num: 97

Candidate Starts for TomBrady_18:

(Start: 75 @16641 has 25 MA's), (Start: 97 @16650 has 44 MA's), (101, 16656), (Start: 105 @16662 has 8 MA's), (179, 16794), (Start: 196 @16845 has 7 MA's), (210, 16875), (219, 16899), (264, 17001), (279, 17040), (283, 17046), (292, 17061), (304, 17106), (359, 17226), (385, 17283), (399, 17322), (418, 17370), (430, 17397), (434, 17409), (479, 17490), (515, 17535), (597, 17733), (606, 17763), (612, 17781), (623, 17808), (648, 17892), (665, 17910), (677, 17925), (693, 17973), (698, 17988), (733, 18051), (751, 18108), (760, 18147), (776, 18189), (795, 18240), (824, 18336), (843, 18396),

Gene: Tomaszewski_23 Start: 19346, Stop: 21025, Start Num: 94

Candidate Starts for Tomaszewski_23:

(Start: 94 @19346 has 79 MA's), (Start: 147 @19430 has 45 MA's), (Start: 183 @19508 has 1 MA's), (227, 19595), (233, 19610), (257, 19658), (271, 19697), (306, 19784), (321, 19817), (342, 19853), (354, 19883), (356, 19889), (400, 19958), (424, 19988), (428, 20000), (429, 20003), (456, 20060), (517, 20192), (520, 20198), (547, 20264), (549, 20270), (556, 20294), (573, 20342), (584, 20366), (589, 20375), (616, 20450), (671, 20501), (678, 20516), (736, 20678), (742, 20705), (751, 20735), (780, 20840), (815, 20918), (822, 20954), (824, 20963), (833, 20996), (838, 21011),

Gene: Tomathan_31 Start: 20049, Stop: 21839, Start Num: 108

Candidate Starts for Tomathan_31:

(65, 19983), (Start: 90 @20025 has 8 MA's), (Start: 108 @20049 has 545 MA's), (232, 20283), (233, 20286), (262, 20358), (264, 20361), (Start: 268 @20376 has 11 MA's), (289, 20415), (292, 20421), (338, 20532), (347, 20550), (373, 20619), (412, 20700), (413, 20703), (495, 20859), (513, 20889), (597, 21096), (637, 21222), (681, 21324), (693, 21357), (698, 21372), (710, 21396), (735, 21471), (736, 21474), (738, 21486), (760, 21570), (784, 21648), (792, 21675), (794, 21681), (809, 21726), (813, 21735), (833, 21816),

Gene: ToneTone_29 Start: 19903, Stop: 21675, Start Num: 108

Candidate Starts for ToneTone_29:

(65, 19837), (Start: 90 @19879 has 8 MA's), (Start: 108 @19903 has 545 MA's), (233, 20140), (262, 20212), (264, 20215), (Start: 268 @20230 has 11 MA's), (289, 20269), (292, 20275), (338, 20386), (341, 20392), (356, 20431), (373, 20473), (399, 20512), (412, 20554), (413, 20557), (495, 20713), (557, 20854), (563, 20869), (639, 21082), (689, 21181), (698, 21208), (720, 21259), (724, 21268), (735, 21307), (738, 21322), (760, 21406), (792, 21511), (794, 21517), (833, 21652),

Gene: Toniann_48 Start: 29557, Stop: 31248, Start Num: 110

Candidate Starts for Toniann_48:

(Start: 110 @29557 has 14 MA's), (144, 29617), (159, 29650), (176, 29683), (230, 29809), (244, 29842), (249, 29851), (301, 29980), (319, 30028), (456, 30241), (458, 30247), (466, 30271), (529, 30400), (538, 30421), (549, 30454), (616, 30652), (713, 30805), (742, 30904), (745, 30916), (748, 30925), (771, 31009), (823, 31156), (832, 31192), (835, 31204),

Gene: TootsiePop_17 Start: 14677, Stop: 16386, Start Num: 87

Candidate Starts for TootsiePop_17:

(Start: 87 @14677 has 207 MA's), (150, 14764), (Start: 175 @14809 has 47 MA's), (182, 14833), (230, 14938), (233, 14944), (242, 14962), (247, 14971), (257, 14992), (300, 15097), (323, 15157), (329, 15166), (338, 15178), (342, 15187), (352, 15211), (365, 15247), (368, 15253), (374, 15265), (396, 15286), (398, 15289), (402, 15298), (408, 15313), (410, 15319), (420, 15337), (427, 15352), (429, 15358), (435, 15376), (436, 15379), (445, 15394), (455, 15409), (456, 15415), (474, 15463), (480, 15475), (484, 15481), (515, 15541), (522, 15553), (526, 15562), (538, 15589), (541, 15601), (549, 15622), (571, 15676), (573, 15685), (584, 15709), (596, 15739), (667, 15844), (673, 15856), (687, 15892), (716, 15970), (744, 16069), (751, 16090), (759, 16123), (768, 16153), (776, 16183), (778, 16189), (779, 16192), (781, 16198), (792, 16213), (793, 16216), (798, 16237), (817, 16282), (833, 16354), (834, 16360),

Gene: Tootsieroll_17 Start: 14648, Stop: 16357, Start Num: 87

Candidate Starts for Tootsieroll_17:

(Start: 87 @14648 has 207 MA's), (150, 14735), (Start: 175 @14780 has 47 MA's), (182, 14804), (203, 14861), (230, 14909), (233, 14915), (242, 14933), (257, 14963), (300, 15068), (323, 15128), (329, 15137), (342, 15158), (352, 15182), (365, 15218), (368, 15224), (396, 15257), (398, 15260), (402, 15269), (408, 15284), (410, 15290), (420, 15308), (427, 15323), (429, 15329), (435, 15347), (436, 15350), (445, 15365), (448, 15368), (455, 15380), (456, 15386), (474, 15434), (480, 15446), (484, 15452), (515, 15512), (522, 15524), (538, 15560), (541, 15572), (571, 15647), (573, 15656), (581, 15674), (584, 15680), (596, 15710), (667, 15815), (671, 15824), (673, 15827), (687, 15863), (716, 15941), (744, 16040), (751, 16061), (759, 16094), (768, 16124), (776, 16154), (779, 16163), (781, 16169), (792, 16184), (793, 16187), (800, 16211), (813, 16241), (817, 16253), (822, 16283), (833, 16325),

Gene: Topanga_27 Start: 19924, Stop: 21702, Start Num: 108

Candidate Starts for Topanga_27:

(Start: 108 @19924 has 545 MA's), (Start: 146 @19981 has 1 MA's), (154, 19996), (173, 20029), (179, 20050), (227, 20152), (232, 20164), (233, 20167), (264, 20242), (Start: 268 @20257 has 11 MA's), (289, 20296), (338, 20413), (347, 20431), (373, 20500), (410, 20575), (430, 20614), (449, 20653), (495, 20740), (522, 20785), (549, 20854), (556, 20878), (559, 20890), (563, 20896), (597, 20977), (628, 21070), (630, 21079), (637, 21103), (639, 21109), (645, 21124), (669, 21157), (689, 21208), (695, 21226), (742, 21364), (745, 21376), (760, 21433), (768, 21457), (770, 21463), (792, 21538), (794, 21544), (795, 21553), (815, 21604), (833, 21679),

Gene: Topgun_27 Start: 20974, Stop: 22776, Start Num: 109

Candidate Starts for Topgun_27:

(Start: 109 @20974 has 207 MA's), (Start: 124 @20995 has 4 MA's), (Start: 146 @21037 has 1 MA's), (171, 21082), (264, 21298), (283, 21343), (289, 21352), (321, 21442), (322, 21445), (413, 21640), (449, 21709), (545, 21898), (549, 21910), (551, 21913), (556, 21934), (596, 22030), (597, 22033), (599, 22039), (623, 22108), (628, 22126), (630, 22135), (639, 22165), (681, 22261), (693, 22294), (698, 22309), (713, 22339), (745, 22450), (760, 22507), (794, 22618),

Gene: Topper_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Topper_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: Toro_30 Start: 22924, Stop: 24726, Start Num: 108

Candidate Starts for Toro_30:

(Start: 99 @22912 has 4 MA's), (Start: 108 @22924 has 545 MA's), (Start: 146 @22972 has 1 MA's), (155, 22990), (232, 23155), (233, 23158), (264, 23233), (Start: 268 @23248 has 11 MA's), (289, 23287), (341, 23410), (343, 23416), (356, 23449), (373, 23491), (441, 23635), (515, 23761), (549, 23842), (563, 23884), (580, 23932), (596, 23980), (597, 23983), (623, 24058), (628, 24076), (630, 24085), (637, 24109), (639, 24115), (680, 24208), (681, 24211), (693, 24244), (698, 24259), (745, 24400), (785, 24538), (792, 24562), (794, 24568), (825, 24673),

Gene: Torres_19 Start: 16697, Stop: 18463, Start Num: 79

Candidate Starts for Torres_19:

(Start: 79 @16697 has 139 MA's), (Start: 81 @16703 has 15 MA's), (101, 16727), (Start: 175 @16853 has 47 MA's), (179, 16868), (184, 16886), (210, 16949), (266, 17084), (Start: 268 @17090 has 11 MA's), (310, 17198), (315, 17207), (363, 17312), (395, 17381), (399, 17387), (410, 17423), (418, 17435), (447, 17498), (515, 17600), (525, 17618), (541, 17660), (542, 17663), (586, 17768), (612, 17840), (647, 17948), (649, 17954), (681, 17999), (701, 18053), (718, 18074), (745, 18149), (759, 18200), (795, 18299), (802, 18314), (815, 18350), (824, 18395), (834, 18434), (835, 18437), (843, 18455),

Gene: Tortellini_18 Start: 15988, Stop: 17724, Start Num: 82

Candidate Starts for Tortellini_18:

(Start: 82 @15988 has 44 MA's), (138, 16072), (170, 16123), (171, 16126), (Start: 175 @16135 has 47 MA's), (Start: 195 @16192 has 39 MA's), (203, 16213), (232, 16264), (244, 16288), (249, 16297), (296, 16408), (306, 16447), (356, 16555), (360, 16567), (398, 16621), (400, 16624), (417, 16663), (420, 16669), (429, 16690), (430, 16693), (456, 16747), (463, 16768), (509, 16873), (526, 16906), (541, 16945), (554, 16978), (573, 17044), (584, 17068), (594, 17092), (605, 17122), (610, 17134), (682, 17236), (689, 17248), (692, 17257), (695, 17266), (731, 17365), (734, 17374), (755, 17458), (787, 17557), (833, 17698), (838, 17713),

Gene: Tote_29 Start: 21585, Stop: 23387, Start Num: 109

Candidate Starts for Tote_29:

(Start: 109 @21585 has 207 MA's), (Start: 124 @21606 has 4 MA's), (Start: 146 @21648 has 1 MA's), (171, 21693), (264, 21909), (283, 21954), (289, 21963), (301, 22002), (321, 22053), (322, 22056), (413, 22251), (449, 22320), (549, 22521), (551, 22524), (556, 22545), (596, 22641), (597, 22644), (599, 22650), (623, 22719), (628, 22737), (630, 22746), (639, 22776), (681, 22872), (693, 22905), (698, 22920), (745, 23061), (760, 23118), (794, 23229),

Gene: Totinger_17 Start: 14596, Stop: 16305, Start Num: 87

Candidate Starts for Totinger_17:

(Start: 87 @14596 has 207 MA's), (150, 14683), (Start: 175 @14728 has 47 MA's), (182, 14752), (230, 14857), (233, 14863), (242, 14881), (257, 14911), (300, 15016), (323, 15076), (337, 15094), (338, 15097), (342, 15106), (352, 15130), (420, 15256), (427, 15271), (429, 15277), (445, 15313), (448, 15316), (455, 15328), (456, 15334), (474, 15382), (480, 15394), (484, 15400), (515, 15460), (522, 15472), (538, 15508), (541, 15520), (571, 15595), (573, 15604), (581, 15622), (584, 15628), (596, 15658), (667, 15763), (673, 15775), (687, 15811), (716, 15889), (751, 16009), (759, 16042), (768, 16072), (771, 16084), (776, 16102), (778, 16108), (779, 16111), (781, 16117), (792, 16132), (793, 16135), (798, 16156), (800, 16159), (817, 16201), (822, 16231), (833, 16273), (834, 16279),

Gene: Toto_24 Start: 19830, Stop: 21425, Start Num: 147

Candidate Starts for Toto_24:

(Start: 94 @19746 has 79 MA's), (Start: 147 @19830 has 45 MA's), (Start: 183 @19908 has 1 MA's), (227, 19995), (233, 20010), (257, 20058), (271, 20097), (306, 20184), (321, 20217), (342, 20253), (354, 20283), (356, 20289), (400, 20358), (424, 20388), (428, 20400), (429, 20403), (456, 20460),

(517, 20592), (520, 20598), (547, 20664), (549, 20670), (556, 20694), (573, 20742), (584, 20766), (589, 20775), (616, 20850), (671, 20901), (678, 20916), (736, 21078), (742, 21105), (751, 21135), (780, 21240), (815, 21318), (822, 21354), (824, 21363), (833, 21396), (838, 21411),

Gene: Towmatter_29 Start: 25303, Stop: 27189, Start Num: 113

Candidate Starts for Towmatter_29:

(Start: 113 @25303 has 4 MA's), (172, 25414), (190, 25465), (Start: 209 @25513 has 1 MA's), (Start: 268 @25645 has 11 MA's), (301, 25720), (319, 25768), (358, 25852), (386, 25990), (414, 26089), (453, 26182), (456, 26194), (458, 26200), (466, 26224), (484, 26260), (486, 26266), (541, 26386), (554, 26419), (556, 26431), (581, 26491), (616, 26593), (667, 26635), (678, 26659), (726, 26782), (745, 26857), (751, 26875), (783, 26989), (844, 27181),

Gene: Traaww1_22 Start: 19391, Stop: 21070, Start Num: 94

Candidate Starts for Traaww1_22:

(Start: 94 @19391 has 79 MA's), (Start: 147 @19475 has 45 MA's), (Start: 183 @19553 has 1 MA's), (227, 19640), (233, 19655), (257, 19703), (271, 19742), (306, 19829), (310, 19841), (321, 19862), (342, 19898), (354, 19928), (356, 19934), (400, 20003), (424, 20033), (428, 20045), (429, 20048), (456, 20105), (517, 20237), (520, 20243), (547, 20309), (549, 20315), (556, 20339), (573, 20387), (584, 20411), (589, 20420), (616, 20495), (671, 20546), (678, 20561), (736, 20723), (742, 20750), (751, 20780), (780, 20885), (815, 20963), (822, 20999), (824, 21008), (833, 21041), (838, 21056),

Gene: Tracker_41 Start: 29603, Stop: 31216, Start Num: 194

Candidate Starts for Tracker_41:

(Start: 194 @29603 has 87 MA's), (Start: 209 @29639 has 1 MA's), (216, 29657), (243, 29717), (351, 29957), (353, 29969), (359, 29984), (401, 30050), (405, 30065), (419, 30089), (421, 30092), (457, 30176), (469, 30206), (470, 30209), (496, 30257), (499, 30266), (519, 30314), (521, 30317), (532, 30338), (570, 30443), (592, 30488), (604, 30530), (669, 30704), (681, 30734), (683, 30740), (729, 30848), (730, 30851), (751, 30926), (822, 31145), (838, 31202),

Gene: Traft412_29 Start: 22064, Stop: 23866, Start Num: 109

Candidate Starts for Traft412_29:

(Start: 109 @22064 has 207 MA's), (Start: 124 @22085 has 4 MA's), (Start: 146 @22127 has 1 MA's), (171, 22172), (264, 22388), (283, 22433), (289, 22442), (301, 22481), (321, 22532), (322, 22535), (413, 22730), (449, 22799), (549, 23000), (551, 23003), (556, 23024), (596, 23120), (597, 23123), (599, 23129), (623, 23198), (628, 23216), (630, 23225), (639, 23255), (681, 23351), (693, 23384), (698, 23399), (745, 23540), (760, 23597), (794, 23708), (840, 23861),

Gene: Travvers_31 Start: 20049, Stop: 21839, Start Num: 108

Candidate Starts for Travvers_31:

(65, 19983), (Start: 90 @20025 has 8 MA's), (Start: 108 @20049 has 545 MA's), (232, 20283), (233, 20286), (262, 20358), (264, 20361), (Start: 268 @20376 has 11 MA's), (289, 20415), (292, 20421), (338, 20532), (347, 20550), (373, 20619), (412, 20700), (413, 20703), (495, 20859), (513, 20889), (597, 21096), (637, 21222), (681, 21324), (693, 21357), (698, 21372), (710, 21396), (735, 21471), (736, 21474), (738, 21486), (760, 21570), (784, 21648), (792, 21675), (794, 21681), (809, 21726), (813, 21735), (833, 21816),

Gene: Treddle_29 Start: 22354, Stop: 24156, Start Num: 109

Candidate Starts for Treddle_29:

(Start: 109 @22354 has 207 MA's), (Start: 124 @22375 has 4 MA's), (Start: 146 @22417 has 1 MA's), (171, 22462), (264, 22678), (283, 22723), (289, 22732), (301, 22771), (321, 22822), (322, 22825), (365, 22918), (413, 23020), (449, 23089), (549, 23290), (551, 23293), (556, 23314), (596, 23410), (597, 23413), (599, 23419), (623, 23488), (628, 23506), (630, 23515), (639, 23545), (681, 23641), (693, 23674), (698, 23689), (745, 23830), (760, 23887), (794, 23998),

Gene: TreyKay_23 Start: 17122, Stop: 18888, Start Num: 79

Candidate Starts for TreyKay_23:

(Start: 79 @17122 has 139 MA's), (101, 17152), (184, 17311), (Start: 196 @17344 has 7 MA's), (210, 17374), (221, 17407), (227, 17419), (266, 17509), (288, 17551), (307, 17614), (310, 17623), (315, 17632), (338, 17671), (356, 17716), (363, 17737), (365, 17740), (399, 17812), (412, 17854), (418, 17860), (430, 17887), (515, 18025), (525, 18043), (541, 18085), (548, 18103), (558, 18133), (573, 18160), (612, 18265), (681, 18424), (694, 18460), (706, 18490), (718, 18499), (745, 18574), (759, 18625), (824, 18820), (834, 18859), (835, 18862), (843, 18880),

Gene: TribelTrouble_21 Start: 17403, Stop: 19166, Start Num: 79

Candidate Starts for TribelTrouble_21:

(Start: 75 @17394 has 25 MA's), (Start: 79 @17403 has 139 MA's), (154, 17508), (179, 17562), (Start: 196 @17613 has 7 MA's), (210, 17643), (219, 17667), (310, 17898), (315, 17907), (321, 17919), (356, 17991), (357, 17994), (359, 18000), (363, 18012), (365, 18015), (399, 18087), (403, 18096), (412, 18129), (418, 18135), (434, 18174), (454, 18210), (542, 18363), (554, 18393), (577, 18450), (612, 18543), (630, 18597), (681, 18699), (693, 18732), (698, 18747), (709, 18771), (729, 18798), (747, 18855), (759, 18900), (795, 19002), (830, 19119), (834, 19137), (836, 19143), (843, 19158),

Gene: Trike_25 Start: 17896, Stop: 19674, Start Num: 108

Candidate Starts for Trike_25:

(Start: 90 @17872 has 8 MA's), (Start: 108 @17896 has 545 MA's), (Start: 146 @17953 has 1 MA's), (154, 17968), (179, 18022), (232, 18136), (233, 18139), (264, 18214), (279, 18253), (338, 18385), (373, 18472), (410, 18547), (430, 18586), (449, 18625), (495, 18712), (522, 18757), (549, 18826), (556, 18850), (559, 18862), (563, 18868), (628, 19042), (630, 19051), (637, 19075), (639, 19081), (645, 19096), (669, 19129), (689, 19180), (713, 19237), (714, 19243), (760, 19405), (792, 19510), (794, 19516), (795, 19525), (833, 19651),

Gene: Trine_18 Start: 14775, Stop: 16385, Start Num: 117

Candidate Starts for Trine_18:

(Start: 117 @14775 has 11 MA's), (182, 14901), (251, 15048), (319, 15222), (373, 15339), (453, 15420), (494, 15525), (522, 15576), (539, 15615), (546, 15636), (593, 15750), (594, 15753), (615, 15813), (622, 15825), (623, 15828), (667, 15855), (722, 15996), (727, 16011), (776, 16191), (794, 16221), (817, 16287), (825, 16329), (838, 16374),

Gene: Tripl3t_28 Start: 21973, Stop: 23775, Start Num: 109

Candidate Starts for Tripl3t_28:

(Start: 109 @21973 has 207 MA's), (Start: 124 @21994 has 4 MA's), (Start: 146 @22036 has 1 MA's), (171, 22081), (264, 22297), (283, 22342), (289, 22351), (301, 22390), (321, 22441), (322, 22444), (413, 22639), (449, 22708), (549, 22909), (551, 22912), (556, 22933), (596, 23029), (597, 23032), (599, 23038), (623, 23107), (628, 23125), (630, 23134), (639, 23164), (681, 23260), (693, 23293), (698, 23308), (745, 23449), (760, 23506), (794, 23617),

Gene: Trixie_31 Start: 21855, Stop: 23627, Start Num: 108

Candidate Starts for Trixie_31:

(65, 21789), (Start: 90 @21831 has 8 MA's), (Start: 108 @21855 has 545 MA's), (202, 22038), (232, 22089), (233, 22092), (262, 22164), (264, 22167), (289, 22221), (292, 22227), (301, 22260), (318, 22305), (338, 22338), (373, 22425), (412, 22506), (413, 22509), (430, 22539), (513, 22695), (549, 22779), (551, 22782), (563, 22821), (592, 22887), (597, 22902), (639, 23034), (669, 23082), (681, 23112), (698, 23160), (701, 23166), (724, 23220), (738, 23274), (760, 23358), (780, 23424), (784, 23436), (792, 23463), (794, 23469),

Gene: Trooper_28 Start: 20008, Stop: 21780, Start Num: 108

Candidate Starts for Trooper_28:

(65, 19942), (Start: 90 @19984 has 8 MA's), (Start: 108 @20008 has 545 MA's), (189, 20161), (232, 20242), (233, 20245), (262, 20317), (264, 20320), (289, 20374), (338, 20491), (373, 20578), (412, 20659), (413, 20662), (513, 20848), (551, 20935), (563, 20974), (597, 21055), (637, 21181), (639, 21187), (698, 21313), (701, 21319), (735, 21412), (738, 21427), (760, 21511), (794, 21622), (813, 21676),

Gene: Trouble_28 Start: 21920, Stop: 23722, Start Num: 109

Candidate Starts for Trouble_28:

(Start: 109 @21920 has 207 MA's), (Start: 124 @21941 has 4 MA's), (Start: 146 @21983 has 1 MA's), (171, 22028), (264, 22244), (283, 22289), (289, 22298), (301, 22337), (321, 22388), (322, 22391), (413, 22586), (449, 22655), (549, 22856), (551, 22859), (556, 22880), (596, 22976), (597, 22979), (599, 22985), (628, 23072), (630, 23081), (639, 23111), (681, 23207), (693, 23240), (698, 23255), (745, 23396), (760, 23453), (794, 23564),

Gene: Troy_17 Start: 16284, Stop: 17981, Start Num: 83

Candidate Starts for Troy_17:

(Start: 83 @16284 has 8 MA's), (Start: 99 @16305 has 4 MA's), (153, 16389), (169, 16416), (171, 16422), (229, 16554), (251, 16605), (264, 16638), (266, 16647), (321, 16782), (341, 16815), (350, 16833), (369, 16887), (399, 16932), (423, 16989), (428, 17001), (444, 17040), (500, 17091), (507, 17100), (517, 17121), (545, 17187), (576, 17277), (619, 17385), (634, 17439), (637, 17445), (647, 17463), (703, 17559), (720, 17580), (737, 17625), (782, 17784), (789, 17799), (793, 17814), (795, 17826), (838, 17970),

Gene: TroyPia_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for TroyPia_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (352, 20349), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: TruffulaTree_23 Start: 17151, Stop: 18917, Start Num: 79

Candidate Starts for TruffulaTree_23:

(Start: 79 @17151 has 139 MA's), (101, 17181), (184, 17340), (Start: 196 @17373 has 7 MA's), (210, 17403), (221, 17436), (227, 17448), (266, 17538), (288, 17580), (310, 17652), (315, 17661), (338, 17700), (356, 17745), (363, 17766), (365, 17769), (393, 17823), (399, 17841), (412, 17883), (418, 17889), (430, 17916), (515, 18054), (525, 18072), (541, 18114), (548, 18132), (558, 18162), (573, 18189), (612, 18294), (681, 18453), (694, 18489), (706, 18519), (718, 18528), (745, 18603), (759, 18654), (795, 18753), (824, 18849), (834, 18888), (835, 18891), (843, 18909),

Gene: Trumpet_19 Start: 17773, Stop: 19371, Start Num: 194

Candidate Starts for Trumpet_19:

(Start: 194 @17773 has 87 MA's), (307, 18022), (310, 18031), (319, 18049), (321, 18052), (351, 18106), (381, 18181), (413, 18250), (423, 18259), (427, 18271), (451, 18322), (459, 18349), (462, 18358), (463, 18361), (516, 18391), (518, 18394), (541, 18451), (564, 18517), (591, 18595), (602, 18628), (610, 18652), (623, 18688), (655, 18790), (682, 18847), (698, 18892), (701, 18898), (716, 18937), (787, 19177), (810, 19255),

Gene: Tubs_30 Start: 21749, Stop: 23539, Start Num: 108

Candidate Starts for Tubs_30:

(Start: 105 @21746 has 8 MA's), (Start: 108 @21749 has 545 MA's), (232, 21983), (233, 21986), (262, 22058), (264, 22061), (Start: 268 @22076 has 11 MA's), (289, 22115), (292, 22121), (338, 22232), (373, 22319), (412, 22400), (413, 22403), (513, 22589), (540, 22652), (551, 22676), (553, 22682), (563, 22715), (597, 22796), (637, 22922), (651, 22964), (653, 22967), (681, 23024), (693, 23057), (698, 23072), (735, 23171), (736, 23174), (738, 23186), (760, 23270), (780, 23336), (792, 23375), (794, 23381), (809, 23426), (824, 23483), (825, 23486),

Gene: Tucker_31 Start: 19989, Stop: 21761, Start Num: 108

Candidate Starts for Tucker_31:

(65, 19923), (Start: 90 @19965 has 8 MA's), (Start: 108 @19989 has 545 MA's), (233, 20226), (262, 20298), (264, 20301), (Start: 268 @20316 has 11 MA's), (289, 20355), (292, 20361), (338, 20472), (341, 20478), (356, 20517), (373, 20559), (399, 20598), (412, 20640), (413, 20643), (495, 20799), (557, 20940), (563, 20955), (639, 21168), (689, 21267), (698, 21294), (720, 21345), (724, 21354), (735, 21393), (738, 21408), (760, 21492), (792, 21597), (794, 21603), (833, 21738),

Gene: Tuco_25 Start: 20261, Stop: 21940, Start Num: 94

Candidate Starts for Tuco_25:

(Start: 94 @20261 has 79 MA's), (Start: 147 @20345 has 45 MA's), (Start: 183 @20423 has 1 MA's), (227, 20510), (233, 20525), (257, 20573), (271, 20612), (306, 20699), (321, 20732), (342, 20768), (354, 20798), (356, 20804), (400, 20873), (424, 20903), (428, 20915), (429, 20918), (456, 20975), (517, 21107), (520, 21113), (547, 21179), (549, 21185), (556, 21209), (573, 21257), (584, 21281), (589, 21290), (616, 21365), (671, 21416), (678, 21431), (736, 21593), (742, 21620), (751, 21650), (780, 21755), (815, 21833), (822, 21869), (824, 21878), (833, 21911), (838, 21926),

Gene: TuertoX_17 Start: 14758, Stop: 16467, Start Num: 195

Candidate Starts for TuertoX_17:

(Start: 195 @14758 has 39 MA's), (244, 14875), (301, 15025), (319, 15064), (328, 15079), (359, 15148), (363, 15160), (405, 15238), (406, 15241), (462, 15373), (487, 15427), (516, 15508), (541, 15568), (543, 15574), (546, 15580), (576, 15661), (592, 15697), (604, 15733), (610, 15751), (625, 15790), (647, 15862), (655, 15886), (742, 16120), (746, 16135), (757, 16177), (785, 16270), (787, 16273), (797, 16321), (810, 16351),

Gene: Turbido_30 Start: 20695, Stop: 22467, Start Num: 108

Candidate Starts for Turbido_30:

(Start: 90 @20671 has 8 MA's), (Start: 108 @20695 has 545 MA's), (173, 20794), (202, 20878), (232, 20929), (233, 20932), (262, 21004), (264, 21007), (289, 21061), (301, 21100), (338, 21178), (373, 21265), (412, 21346), (413, 21349), (513, 21535), (551, 21622), (592, 21727), (597, 21742), (637, 21868), (639, 21874), (669, 21922), (698, 22000), (701, 22006), (724, 22060), (735, 22099), (738, 22114), (760, 22198), (794, 22309),

Gene: Turj99_26 Start: 20860, Stop: 22662, Start Num: 109

Candidate Starts for Turj99_26:

(Start: 109 @20860 has 207 MA's), (Start: 124 @20881 has 4 MA's), (Start: 146 @20923 has 1 MA's), (171, 20968), (264, 21184), (283, 21229), (289, 21238), (301, 21277), (321, 21328), (322, 21331), (413, 21526), (449, 21595), (549, 21796), (551, 21799), (556, 21820), (596, 21916), (597, 21919), (599, 21925), (628, 22012), (630, 22021), (639, 22051), (681, 22147), (693, 22180), (698, 22195), (745, 22336), (760, 22393), (794, 22504),

Gene: Turuncu_45 Start: 30900, Stop: 32519, Start Num: 194

Candidate Starts for Turuncu_45:

(Start: 194 @30900 has 87 MA's), (199, 30915), (Start: 209 @30936 has 1 MA's), (243, 31014), (298, 31152), (359, 31281), (371, 31311), (395, 31338), (401, 31347), (405, 31362), (457, 31473), (469, 31503), (470, 31506), (499, 31563), (593, 31788), (604, 31827), (622, 31875), (669, 32001), (683,

32037), (713, 32094), (730, 32148), (751, 32223), (796, 32355), (820, 32430), (822, 32442), (825, 32454), (827, 32463), (838, 32499),

Gene: Tweety_16 Start: 14860, Stop: 16569, Start Num: 87

Candidate Starts for Tweety_16:

(Start: 87 @14860 has 207 MA's), (150, 14947), (Start: 175 @14992 has 47 MA's), (182, 15016), (230, 15121), (233, 15127), (242, 15145), (257, 15175), (300, 15280), (323, 15340), (338, 15361), (342, 15370), (352, 15394), (420, 15520), (427, 15535), (429, 15541), (445, 15577), (448, 15580), (455, 15592), (456, 15598), (474, 15646), (480, 15658), (484, 15664), (515, 15724), (522, 15736), (538, 15772), (541, 15784), (571, 15859), (573, 15868), (581, 15886), (584, 15892), (596, 15922), (667, 16027), (671, 16036), (673, 16039), (687, 16075), (716, 16153), (744, 16252), (751, 16273), (759, 16306), (768, 16336), (776, 16366), (779, 16375), (781, 16381), (792, 16396), (793, 16399), (800, 16423), (813, 16453), (817, 16465), (822, 16495), (833, 16537),

Gene: Twigg_24 Start: 19629, Stop: 21425, Start Num: 108

Candidate Starts for Twigg_24:

(Start: 108 @19629 has 545 MA's), (Start: 175 @19734 has 47 MA's), (184, 19767), (233, 19866), (264, 19941), (Start: 268 @19956 has 11 MA's), (288, 19992), (310, 20064), (318, 20079), (341, 20118), (352, 20145), (381, 20205), (441, 20343), (446, 20349), (522, 20484), (545, 20541), (546, 20544), (549, 20553), (563, 20595), (569, 20613), (596, 20673), (597, 20676), (628, 20769), (630, 20778), (637, 20802), (680, 20910), (693, 20946), (760, 21156), (791, 21258), (794, 21267), (827, 21381), (833, 21402), (835, 21411),

Gene: Twinkle_20 Start: 18961, Stop: 20541, Start Num: 194

Candidate Starts for Twinkle_20:

(149, 18844), (Start: 194 @18961 has 87 MA's), (310, 19219), (321, 19240), (351, 19294), (363, 19333), (397, 19390), (405, 19411), (518, 19582), (527, 19600), (537, 19624), (543, 19645), (564, 19687), (592, 19768), (623, 19858), (638, 19909), (655, 19960), (662, 19963), (682, 20017), (716, 20107), (796, 20386), (797, 20395), (810, 20425),

Gene: Twister_27 Start: 19820, Stop: 21598, Start Num: 108

Candidate Starts for Twister_27:

(Start: 108 @19820 has 545 MA's), (Start: 146 @19877 has 1 MA's), (154, 19892), (173, 19925), (179, 19946), (227, 20048), (232, 20060), (233, 20063), (264, 20138), (Start: 268 @20153 has 11 MA's), (289, 20192), (338, 20309), (347, 20327), (373, 20396), (410, 20471), (430, 20510), (449, 20549), (495, 20636), (522, 20681), (549, 20750), (556, 20774), (559, 20786), (563, 20792), (597, 20873), (628, 20966), (630, 20975), (637, 20999), (639, 21005), (645, 21020), (669, 21053), (689, 21104), (695, 21122), (713, 21161), (742, 21260), (760, 21329), (768, 21353), (770, 21359), (792, 21434), (794, 21440), (795, 21449), (815, 21500), (833, 21575),

Gene: Twitch_23 Start: 17188, Stop: 18954, Start Num: 79

Candidate Starts for Twitch_23:

(Start: 79 @17188 has 139 MA's), (101, 17218), (184, 17377), (Start: 196 @17410 has 7 MA's), (210, 17440), (221, 17473), (227, 17485), (266, 17575), (288, 17617), (310, 17689), (315, 17698), (338, 17737), (356, 17782), (363, 17803), (365, 17806), (393, 17860), (399, 17878), (412, 17920), (418, 17926), (430, 17953), (515, 18091), (525, 18109), (541, 18151), (548, 18169), (558, 18199), (573, 18226), (612, 18331), (681, 18490), (694, 18526), (706, 18556), (718, 18565), (745, 18640), (759, 18691), (824, 18886), (834, 18925), (835, 18928), (843, 18946),

Gene: TwoPeat_28 Start: 21384, Stop: 23186, Start Num: 109

Candidate Starts for TwoPeat_28:

(Start: 109 @21384 has 207 MA's), (Start: 124 @21405 has 4 MA's), (Start: 146 @21447 has 1 MA's), (171, 21492), (264, 21708), (283, 21753), (289, 21762), (301, 21801), (321, 21852), (322, 21855),

(413, 22050), (449, 22119), (549, 22320), (551, 22323), (556, 22344), (596, 22440), (597, 22443), (599, 22449), (623, 22518), (628, 22536), (630, 22545), (639, 22575), (681, 22671), (693, 22704), (698, 22719), (745, 22860), (760, 22917), (794, 23028),

Gene: Twonlo_30 Start: 27002, Stop: 28621, Start Num: 125

Candidate Starts for Twonlo_30:

(Start: 125 @27002 has 11 MA's), (136, 27023), (173, 27086), (227, 27209), (232, 27221), (257, 27278), (292, 27356), (343, 27479), (430, 27593), (443, 27623), (462, 27665), (490, 27728), (515, 27776), (520, 27785), (541, 27836), (558, 27884), (622, 28049), (667, 28079), (711, 28187), (712, 28190), (727, 28235), (740, 28292), (742, 28298), (743, 28304), (756, 28352), (759, 28361), (760, 28367), (761, 28370), (776, 28421), (795, 28466), (818, 28535), (830, 28583), (833, 28595),

Gene: TygerBlood_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for TygerBlood_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Typha_24 Start: 19608, Stop: 21443, Start Num: 51

Candidate Starts for Typha_24:

(Start: 51 @19608 has 4 MA's), (70, 19656), (Start: 75 @19665 has 25 MA's), (102, 19704), (129, 19734), (135, 19746), (154, 19782), (171, 19812), (Start: 175 @19821 has 47 MA's), (179, 19836), (Start: 196 @19887 has 7 MA's), (Start: 197 @19890 has 1 MA's), (239, 19989), (299, 20130), (318, 20181), (321, 20187), (343, 20226), (363, 20280), (399, 20349), (412, 20391), (431, 20427), (434, 20436), (477, 20514), (482, 20523), (501, 20553), (513, 20586), (515, 20589), (541, 20649), (551, 20673), (554, 20682), (582, 20751), (622, 20856), (623, 20859), (630, 20886), (727, 21069), (813, 21324), (834, 21414), (835, 21417), (836, 21420),

Gene: U2_27 Start: 21239, Stop: 23041, Start Num: 109

Candidate Starts for U2_27:

(Start: 109 @21239 has 207 MA's), (Start: 124 @21260 has 4 MA's), (Start: 146 @21302 has 1 MA's), (171, 21347), (264, 21563), (283, 21608), (289, 21617), (321, 21707), (322, 21710), (365, 21803), (413, 21905), (449, 21974), (549, 22175), (551, 22178), (556, 22199), (596, 22295), (597, 22298), (599, 22304), (623, 22373), (628, 22391), (630, 22400), (639, 22430), (681, 22526), (693, 22559), (698, 22574), (745, 22715), (760, 22772), (794, 22883),

Gene: Ubuntu_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for Ubuntu_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197 @17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406, 18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: Ugenie5_27 Start: 21782, Stop: 23572, Start Num: 108

Candidate Starts for Ugenie5_27:

(Start: 105 @21779 has 8 MA's), (Start: 108 @21782 has 545 MA's), (232, 22016), (233, 22019), (262, 22091), (264, 22094), (Start: 268 @22109 has 11 MA's), (289, 22148), (292, 22154), (338, 22265), (373, 22352), (412, 22433), (413, 22436), (513, 22622), (540, 22685), (551, 22709), (553, 22715), (563, 22748), (597, 22829), (637, 22955), (651, 22997), (681, 23057), (693, 23090), (698, 23105), (735, 23204), (736, 23207), (738, 23219), (760, 23303), (780, 23369), (792, 23408), (794, 23414), (809, 23459), (824, 23516), (825, 23519),

Gene: UhSalsa_23 Start: 16349, Stop: 17974, Start Num: 130

Candidate Starts for UhSalsa_23:

(Start: 130 @16349 has 32 MA's), (169, 16418), (181, 16454), (208, 16526), (264, 16640), (313, 16769), (338, 16811), (347, 16829), (351, 16838), (358, 16862), (365, 16880), (389, 16904), (392, 16910), (395, 16925), (397, 16928), (413, 16976), (540, 17177), (551, 17201), (596, 17315), (623, 17393), (633, 17432), (637, 17444), (669, 17474), (698, 17552), (757, 17699), (788, 17798), (792, 17813), (838, 17966),

Gene: Ukulele_24 Start: 19504, Stop: 21183, Start Num: 94

Candidate Starts for Ukulele_24:

(Start: 94 @19504 has 79 MA's), (Start: 147 @19588 has 45 MA's), (Start: 183 @19666 has 1 MA's), (227, 19753), (233, 19768), (257, 19816), (271, 19855), (306, 19942), (321, 19975), (342, 20011), (354, 20041), (356, 20047), (400, 20116), (424, 20146), (428, 20158), (429, 20161), (456, 20218), (517, 20350), (520, 20356), (547, 20422), (549, 20428), (556, 20452), (573, 20500), (584, 20524), (589, 20533), (616, 20608), (671, 20659), (678, 20674), (736, 20836), (742, 20863), (751, 20893), (780, 20998), (815, 21076), (822, 21112), (824, 21121), (833, 21154), (838, 21169),

Gene: Ulysses_26 Start: 19548, Stop: 21326, Start Num: 108

Candidate Starts for Ulysses_26:

(Start: 90 @19524 has 8 MA's), (Start: 108 @19548 has 545 MA's), (Start: 146 @19605 has 1 MA's), (Start: 175 @19659 has 47 MA's), (179, 19674), (184, 19692), (227, 19776), (232, 19788), (233, 19791), (264, 19866), (Start: 268 @19881 has 11 MA's), (289, 19920), (338, 20037), (373, 20124), (412, 20205), (435, 20253), (449, 20277), (495, 20364), (522, 20409), (551, 20481), (556, 20502), (563, 20520), (597, 20601), (628, 20694), (630, 20703), (637, 20727), (639, 20733), (647, 20757), (681, 20811), (689, 20832), (710, 20883), (719, 20907), (736, 20961), (760, 21057), (792, 21162), (795, 21177), (828, 21285), (833, 21303),

Gene: UmaThurman_19 Start: 16778, Stop: 18424, Start Num: 175

Candidate Starts for UmaThurman_19:

(156, 16742), (Start: 175 @16778 has 47 MA's), (213, 16880), (250, 16952), (253, 16958), (254, 16961), (294, 17057), (304, 17096), (345, 17177), (364, 17231), (370, 17246), (422, 17342), (456, 17417), (466, 17447), (549, 17630), (556, 17654), (604, 17798), (608, 17810), (661, 17870), (712, 18002), (713, 18005), (742, 18104), (747, 18122), (760, 18173), (780, 18239), (808, 18302), (813, 18314),

Gene: UncleRicky_17 Start: 14628, Stop: 16337, Start Num: 87

Candidate Starts for UncleRicky_17:

(Start: 87 @14628 has 207 MA's), (150, 14715), (Start: 175 @14760 has 47 MA's), (182, 14784), (203, 14841), (230, 14889), (233, 14895), (242, 14913), (257, 14943), (300, 15048), (320, 15102), (323, 15108), (329, 15117), (338, 15129), (342, 15138), (352, 15162), (365, 15198), (368, 15204), (374, 15216), (396, 15237), (398, 15240), (402, 15249), (408, 15264), (410, 15270), (420, 15288), (427, 15303), (429, 15309), (435, 15327), (436, 15330), (445, 15345), (455, 15360), (456, 15366), (466, 15396), (474, 15414), (480, 15426), (484, 15432), (515, 15492), (522, 15504), (538, 15540), (541, 15552), (549, 15573), (571, 15627), (573, 15636), (584, 15660), (596, 15690), (667, 15795), (673, 15807), (687, 15843), (701, 15882), (716, 15921), (744, 16020), (751, 16041), (759, 16074), (768,

16104), (776, 16134), (779, 16143), (781, 16149), (792, 16164), (793, 16167), (798, 16188), (800, 16191), (817, 16233), (822, 16263), (833, 16305), (834, 16311),

Gene: Unicorn_22 Start: 16372, Stop: 18138, Start Num: 79

Candidate Starts for Unicorn_22:

(Start: 75 @16363 has 25 MA's), (Start: 79 @16372 has 139 MA's), (101, 16402), (179, 16543), (184, 16561), (Start: 196 @16594 has 7 MA's), (210, 16624), (227, 16669), (266, 16759), (283, 16795), (315, 16882), (359, 16975), (363, 16987), (365, 16990), (373, 17008), (384, 17029), (393, 17044), (395, 17056), (399, 17062), (412, 17104), (418, 17110), (525, 17293), (548, 17353), (583, 17437), (593, 17455), (612, 17515), (636, 17590), (645, 17614), (681, 17674), (693, 17707), (694, 17710), (701, 17728), (718, 17749), (745, 17824), (759, 17875), (769, 17902), (795, 17974), (815, 18025), (834, 18109), (835, 18112), (843, 18130),

Gene: UnionJack_24 Start: 18683, Stop: 20482, Start Num: 108

Candidate Starts for UnionJack_24:

(Start: 108 @18683 has 545 MA's), (Start: 175 @18788 has 47 MA's), (233, 18920), (247, 18956), (264, 18995), (Start: 268 @19010 has 11 MA's), (288, 19046), (310, 19118), (318, 19133), (338, 19166), (341, 19172), (430, 19367), (441, 19397), (446, 19403), (468, 19454), (522, 19538), (549, 19607), (563, 19649), (569, 19667), (596, 19727), (597, 19730), (623, 19805), (628, 19823), (680, 19964), (693, 20000), (791, 20315), (794, 20324),

Gene: Updawg_30 Start: 20656, Stop: 22428, Start Num: 108

Candidate Starts for Updawg_30:

(Start: 90 @20632 has 8 MA's), (Start: 108 @20656 has 545 MA's), (Start: 183 @20791 has 1 MA's), (232, 20890), (233, 20893), (262, 20965), (264, 20968), (289, 21022), (292, 21028), (310, 21091), (338, 21139), (352, 21172), (373, 21226), (412, 21307), (413, 21310), (430, 21340), (513, 21496), (551, 21583), (597, 21703), (636, 21826), (637, 21829), (639, 21835), (669, 21883), (693, 21946), (698, 21961), (701, 21967), (724, 22021), (735, 22060), (738, 22075), (747, 22108), (759, 22153), (792, 22264), (794, 22270), (813, 22324),

Gene: Upyo_18 Start: 14948, Stop: 16558, Start Num: 117

Candidate Starts for Upyo_18:

(67, 14867), (Start: 117 @14948 has 11 MA's), (Start: 125 @14957 has 11 MA's), (171, 15041), (182, 15074), (233, 15182), (251, 15221), (269, 15272), (287, 15305), (319, 15395), (338, 15425), (373, 15512), (451, 15590), (453, 15593), (480, 15665), (494, 15698), (522, 15749), (538, 15785), (546, 15809), (571, 15869), (593, 15923), (594, 15926), (610, 15968), (615, 15986), (622, 15998), (700, 16112), (722, 16169), (727, 16184), (825, 16502), (838, 16547),

Gene: Urkel_23 Start: 17102, Stop: 18868, Start Num: 79

Candidate Starts for Urkel_23:

(Start: 79 @17102 has 139 MA's), (101, 17132), (184, 17291), (Start: 196 @17324 has 7 MA's), (210, 17354), (221, 17387), (227, 17399), (266, 17489), (288, 17531), (310, 17603), (315, 17612), (338, 17651), (356, 17696), (365, 17720), (399, 17792), (412, 17834), (418, 17840), (430, 17867), (515, 18005), (525, 18023), (541, 18065), (558, 18113), (573, 18140), (612, 18245), (641, 18335), (694, 18440), (706, 18470), (718, 18479), (745, 18554), (759, 18605), (824, 18800), (834, 18839), (835, 18842), (843, 18860),

Gene: Utz_19 Start: 16645, Stop: 18291, Start Num: 175

Candidate Starts for Utz_19:

(156, 16609), (Start: 175 @16645 has 47 MA's), (213, 16747), (253, 16825), (254, 16828), (294, 16924), (304, 16963), (345, 17044), (364, 17098), (370, 17113), (456, 17284), (466, 17314), (549, 17497), (556, 17521), (557, 17524), (571, 17572), (604, 17665), (608, 17677), (626, 17722), (661, 17737), (712, 17869), (713, 17872), (742, 17971), (747, 17989), (760, 18040), (780, 18106), (808,

18169), (813, 18181),

Gene: VA6_28 Start: 20204, Stop: 21994, Start Num: 108

Candidate Starts for VA6_28:

(65, 20138), (Start: 90 @20180 has 8 MA's), (Start: 108 @20204 has 545 MA's), (232, 20438), (233, 20441), (262, 20513), (264, 20516), (Start: 268 @20531 has 11 MA's), (289, 20570), (292, 20576), (338, 20687), (347, 20705), (352, 20720), (373, 20774), (412, 20855), (413, 20858), (495, 21014), (513, 21044), (553, 21137), (597, 21251), (637, 21377), (693, 21512), (698, 21527), (710, 21551), (735, 21626), (736, 21629), (738, 21641), (760, 21725), (784, 21803), (792, 21830), (794, 21836), (809, 21881), (813, 21890), (833, 21971),

Gene: VC3_31 Start: 20192, Stop: 21982, Start Num: 108

Candidate Starts for VC3_31:

(65, 20126), (Start: 90 @20168 has 8 MA's), (Start: 108 @20192 has 545 MA's), (232, 20426), (233, 20429), (262, 20501), (264, 20504), (Start: 268 @20519 has 11 MA's), (289, 20558), (292, 20564), (338, 20675), (347, 20693), (352, 20708), (373, 20762), (412, 20843), (413, 20846), (495, 21002), (513, 21032), (553, 21125), (597, 21239), (637, 21365), (693, 21500), (698, 21515), (710, 21539), (735, 21614), (736, 21617), (738, 21629), (760, 21713), (784, 21791), (792, 21818), (794, 21824), (809, 21869), (813, 21878), (833, 21959),

Gene: VRedHorse_16 Start: 14970, Stop: 16679, Start Num: 87

Candidate Starts for VRedHorse_16:

(Start: 87 @14970 has 207 MA's), (150, 15057), (Start: 175 @15102 has 47 MA's), (182, 15126), (203, 15183), (230, 15231), (233, 15237), (242, 15255), (257, 15285), (300, 15390), (323, 15450), (329, 15459), (342, 15480), (352, 15504), (368, 15546), (396, 15579), (402, 15591), (408, 15606), (420, 15630), (427, 15645), (429, 15651), (445, 15687), (455, 15702), (456, 15708), (459, 15717), (474, 15756), (480, 15768), (484, 15774), (515, 15834), (538, 15882), (541, 15894), (549, 15915), (571, 15969), (573, 15978), (581, 15996), (584, 16002), (596, 16032), (667, 16137), (673, 16149), (687, 16185), (701, 16224), (716, 16263), (744, 16362), (751, 16383), (759, 16416), (768, 16446), (776, 16476), (778, 16482), (779, 16485), (781, 16491), (792, 16506), (793, 16509), (798, 16530), (817, 16575), (822, 16605), (833, 16647), (834, 16653),

Gene: Vagabond_56 Start: 33305, Stop: 35041, Start Num: 74

Candidate Starts for Vagabond_56:

(Start: 69 @33296 has 2 MA's), (Start: 74 @33305 has 26 MA's), (134, 33395), (187, 33512), (203, 33548), (214, 33569), (230, 33596), (233, 33602), (249, 33632), (261, 33656), (281, 33707), (342, 33845), (344, 33851), (363, 33902), (365, 33905), (374, 33923), (420, 33974), (429, 33995), (430, 33998), (455, 34046), (456, 34052), (474, 34100), (477, 34106), (480, 34112), (504, 34172), (515, 34196), (517, 34199), (538, 34244), (542, 34259), (546, 34268), (549, 34277), (564, 34322), (573, 34340), (589, 34373), (673, 34511), (680, 34532), (706, 34598), (717, 34628), (734, 34682), (744, 34724), (751, 34745), (755, 34766), (759, 34778), (765, 34799), (781, 34853), (815, 34931), (822, 34967), (827, 34988), (834, 35015),

Gene: Validus_23 Start: 16448, Stop: 18214, Start Num: 79

Candidate Starts for Validus_23:

(Start: 79 @16448 has 139 MA's), (101, 16478), (Start: 175 @16604 has 47 MA's), (179, 16619), (184, 16637), (Start: 196 @16670 has 7 MA's), (227, 16745), (234, 16763), (266, 16835), (283, 16871), (310, 16949), (315, 16958), (359, 17051), (363, 17063), (365, 17066), (395, 17132), (399, 17138), (410, 17174), (412, 17180), (418, 17186), (430, 17213), (515, 17351), (525, 17369), (548, 17429), (558, 17459), (573, 17486), (586, 17519), (612, 17591), (630, 17645), (647, 17699), (649, 17705), (681, 17750), (693, 17783), (695, 17789), (706, 17816), (718, 17825), (745, 17900), (759, 17951), (802, 18065), (824, 18146), (834, 18185), (835, 18188), (843, 18206),

Gene: Vanisoa_27 Start: 19606, Stop: 21396, Start Num: 108

Candidate Starts for Vanisoa_27:

(65, 19540), (Start: 97 @19591 has 44 MA's), (Start: 108 @19606 has 545 MA's), (173, 19705), (232, 19840), (233, 19843), (262, 19915), (264, 19918), (Start: 268 @19933 has 11 MA's), (289, 19972), (292, 19978), (321, 20062), (338, 20089), (341, 20095), (373, 20176), (412, 20257), (413, 20260), (441, 20320), (449, 20329), (500, 20422), (551, 20533), (563, 20572), (583, 20623), (597, 20653), (653, 20824), (681, 20881), (693, 20914), (698, 20929), (710, 20953), (724, 20989), (735, 21028), (738, 21043), (760, 21127), (792, 21232), (794, 21238), (809, 21283),

Gene: Vasanti_17 Start: 14704, Stop: 16413, Start Num: 195

Candidate Starts for Vasanti_17:

(140, 14569), (149, 14584), (Start: 195 @14704 has 39 MA's), (213, 14746), (244, 14821), (269, 14893), (270, 14896), (328, 15025), (363, 15106), (405, 15184), (406, 15187), (427, 15232), (487, 15373), (516, 15454), (534, 15490), (541, 15514), (546, 15526), (564, 15562), (604, 15679), (614, 15712), (625, 15736), (647, 15808), (655, 15832), (662, 15835), (742, 16066), (746, 16081), (785, 16216), (787, 16219), (797, 16267), (810, 16297),

Gene: Veliki_23 Start: 17191, Stop: 18957, Start Num: 79

Candidate Starts for Veliki_23:

(Start: 79 @17191 has 139 MA's), (101, 17221), (184, 17380), (Start: 196 @17413 has 7 MA's), (210, 17443), (221, 17476), (227, 17488), (266, 17578), (288, 17620), (310, 17692), (315, 17701), (338, 17740), (356, 17785), (363, 17806), (365, 17809), (393, 17863), (399, 17881), (412, 17923), (418, 17929), (430, 17956), (515, 18094), (525, 18112), (541, 18154), (548, 18172), (558, 18202), (573, 18229), (612, 18334), (681, 18493), (694, 18529), (706, 18559), (718, 18568), (745, 18643), (759, 18694), (795, 18793), (824, 18889), (834, 18928), (835, 18931), (843, 18949),

Gene: Velveteen_17 Start: 14635, Stop: 16344, Start Num: 87

Candidate Starts for Velveteen_17:

(Start: 87 @14635 has 207 MA's), (150, 14722), (Start: 175 @14767 has 47 MA's), (182, 14791), (230, 14896), (233, 14902), (242, 14920), (257, 14950), (300, 15055), (323, 15115), (338, 15136), (342, 15145), (352, 15169), (396, 15244), (398, 15247), (420, 15295), (427, 15310), (429, 15316), (445, 15352), (448, 15355), (455, 15367), (456, 15373), (474, 15421), (480, 15433), (484, 15439), (515, 15499), (522, 15511), (538, 15547), (541, 15559), (571, 15634), (573, 15643), (581, 15661), (584, 15667), (596, 15697), (667, 15802), (671, 15811), (673, 15814), (687, 15850), (716, 15928), (744, 16027), (751, 16048), (759, 16081), (768, 16111), (776, 16141), (779, 16150), (781, 16156), (792, 16171), (793, 16174), (800, 16198), (813, 16228), (817, 16240), (822, 16270), (833, 16312),

Gene: Vendetta_22 Start: 16480, Stop: 17808, Start Num: 268

Candidate Starts for Vendetta_22:

(Start: 268 @16480 has 11 MA's), (275, 16495), (346, 16639), (361, 16684), (392, 16729), (401, 16753), (409, 16783), (423, 16804), (426, 16813), (434, 16837), (437, 16846), (462, 16897), (466, 16909), (549, 17002), (553, 17011), (560, 17020), (578, 17065), (590, 17083), (623, 17176), (635, 17221), (665, 17290), (679, 17311), (713, 17392), (725, 17425), (751, 17512), (760, 17548), (764, 17563), (767, 17572), (787, 17614), (796, 17653), (816, 17707), (819, 17725), (833, 17782), (835, 17791),

Gene: Venti_19 Start: 16385, Stop: 18121, Start Num: 82

Candidate Starts for Venti_19:

(Start: 71 @16361 has 2 MA's), (Start: 82 @16385 has 44 MA's), (128, 16445), (136, 16466), (138, 16469), (Start: 195 @16589 has 39 MA's), (213, 16628), (232, 16661), (244, 16685), (296, 16805), (306, 16844), (309, 16850), (351, 16934), (352, 16940), (356, 16952), (365, 16976), (379, 17003), (400, 17021), (417, 17060), (420, 17066), (430, 17090), (456, 17144), (461, 17156), (463, 17165), (490, 17225), (526, 17303), (541, 17342), (554, 17375), (573, 17441), (578, 17456), (584, 17465),

(594, 17489), (605, 17519), (610, 17531), (682, 17633), (689, 17645), (691, 17648), (692, 17654), (695, 17663), (734, 17771), (755, 17855), (787, 17954), (824, 18062), (838, 18110),

Gene: Veracruz_27 Start: 20455, Stop: 22254, Start Num: 108

Candidate Starts for Veracruz_27:

(Start: 108 @20455 has 545 MA's), (Start: 146 @20515 has 1 MA's), (179, 20584), (227, 20686), (232, 20698), (233, 20701), (264, 20776), (Start: 268 @20791 has 11 MA's), (289, 20830), (347, 20965), (373, 21034), (430, 21148), (495, 21274), (549, 21388), (556, 21412), (559, 21424), (563, 21430), (597, 21511), (623, 21586), (628, 21604), (630, 21613), (637, 21637), (639, 21643), (645, 21658), (662, 21691), (680, 21736), (681, 21739), (689, 21760), (736, 21889), (760, 21985), (792, 22090), (794, 22096), (833, 22231),

Gene: Verity_34 Start: 30944, Stop: 32566, Start Num: 123

Candidate Starts for Verity_34:

(Start: 84 @30887 has 1 MA's), (Start: 123 @30944 has 17 MA's), (136, 30965), (173, 31028), (Start: 195 @31091 has 39 MA's), (227, 31151), (232, 31163), (266, 31250), (292, 31301), (300, 31331), (338, 31412), (351, 31439), (430, 31538), (443, 31568), (451, 31577), (463, 31613), (490, 31673), (515, 31721), (520, 31730), (558, 31829), (575, 31868), (581, 31880), (673, 32036), (678, 32048), (688, 32075), (711, 32132), (725, 32171), (727, 32180), (740, 32237), (743, 32249), (756, 32297), (759, 32306), (760, 32312), (766, 32333), (795, 32411), (835, 32549),

Gene: Veteran_16 Start: 14805, Stop: 16514, Start Num: 87

Candidate Starts for Veteran_16:

(Start: 87 @14805 has 207 MA's), (150, 14892), (Start: 175 @14937 has 47 MA's), (182, 14961), (230, 15066), (233, 15072), (242, 15090), (257, 15120), (300, 15225), (320, 15279), (323, 15285), (329, 15294), (338, 15306), (342, 15315), (352, 15339), (365, 15375), (368, 15381), (374, 15393), (396, 15414), (398, 15417), (402, 15426), (408, 15441), (410, 15447), (420, 15465), (427, 15480), (429, 15486), (435, 15504), (436, 15507), (445, 15522), (455, 15537), (456, 15543), (466, 15573), (474, 15591), (480, 15603), (484, 15609), (515, 15669), (522, 15681), (538, 15717), (541, 15729), (549, 15750), (571, 15804), (573, 15813), (584, 15837), (596, 15867), (667, 15972), (673, 15984), (687, 16020), (701, 16059), (716, 16098), (744, 16197), (751, 16218), (759, 16251), (768, 16281), (776, 16311), (779, 16320), (781, 16326), (792, 16341), (793, 16344), (798, 16365), (800, 16368), (817, 16410), (822, 16440), (833, 16482), (834, 16488),

Gene: ViaConlectus_35 Start: 29390, Stop: 31012, Start Num: 123

Candidate Starts for ViaConlectus_35:

(Start: 123 @29390 has 17 MA's), (136, 29411), (144, 29423), (173, 29474), (184, 29513), (Start: 195 @29537 has 39 MA's), (232, 29609), (266, 29696), (292, 29747), (300, 29777), (355, 29900), (430, 29984), (443, 30014), (451, 30023), (462, 30056), (463, 30059), (490, 30119), (515, 30167), (520, 30176), (558, 30275), (575, 30314), (581, 30326), (673, 30482), (688, 30521), (712, 30581), (713, 30584), (722, 30611), (727, 30626), (740, 30683), (743, 30695), (756, 30743), (759, 30752), (760, 30758), (766, 30779), (776, 30812), (792, 30842), (795, 30857), (815, 30908), (833, 30986), (835, 30995),

Gene: Vidya_19 Start: 16385, Stop: 18121, Start Num: 82

Candidate Starts for Vidya_19:

(Start: 71 @16361 has 2 MA's), (Start: 82 @16385 has 44 MA's), (128, 16445), (136, 16466), (138, 16469), (Start: 195 @16589 has 39 MA's), (213, 16628), (232, 16661), (244, 16685), (296, 16805), (306, 16844), (309, 16850), (351, 16934), (352, 16940), (356, 16952), (365, 16976), (379, 17003), (400, 17021), (417, 17060), (420, 17066), (430, 17090), (456, 17144), (461, 17156), (463, 17165), (490, 17225), (526, 17303), (541, 17342), (554, 17375), (573, 17441), (578, 17456), (584, 17465), (594, 17489), (605, 17519), (610, 17531), (682, 17633), (689, 17645), (691, 17648), (692, 17654), (695, 17663), (734, 17771), (755, 17855), (787, 17954), (824, 18062), (838, 18110),

Gene: Violet_26 Start: 21646, Stop: 23448, Start Num: 109

Candidate Starts for Violet_26:

(Start: 109 @21646 has 207 MA's), (Start: 124 @21667 has 4 MA's), (Start: 146 @21709 has 1 MA's), (171, 21754), (264, 21970), (283, 22015), (289, 22024), (301, 22063), (321, 22114), (322, 22117), (413, 22312), (449, 22381), (549, 22582), (551, 22585), (556, 22606), (596, 22702), (597, 22705), (599, 22711), (623, 22780), (628, 22798), (630, 22807), (639, 22837), (681, 22933), (693, 22966), (698, 22981), (745, 23122), (760, 23179), (794, 23290), (840, 23443),

Gene: ViviJ_20 Start: 17352, Stop: 19124, Start Num: 81

Candidate Starts for ViviJ_20:

(Start: 81 @17352 has 15 MA's), (86, 17358), (103, 17382), (129, 17415), (154, 17463), (179, 17517), (Start: 196 @17568 has 7 MA's), (221, 17631), (Start: 268 @17739 has 11 MA's), (310, 17847), (363, 17961), (365, 17964), (384, 18003), (393, 18018), (395, 18030), (399, 18036), (410, 18072), (412, 18078), (418, 18084), (434, 18123), (447, 18147), (515, 18249), (542, 18312), (612, 18492), (645, 18591), (683, 18669), (693, 18693), (695, 18699), (709, 18732), (745, 18810), (747, 18816), (798, 18969), (829, 19074), (830, 19077), (834, 19095),

Gene: Vivum_16 Start: 14751, Stop: 16460, Start Num: 87

Candidate Starts for Vivum_16:

(Start: 87 @14751 has 207 MA's), (150, 14838), (Start: 175 @14883 has 47 MA's), (182, 14907), (230, 15012), (233, 15018), (242, 15036), (257, 15066), (300, 15171), (323, 15231), (337, 15249), (338, 15252), (342, 15261), (352, 15285), (420, 15411), (427, 15426), (429, 15432), (445, 15468), (448, 15471), (455, 15483), (456, 15489), (474, 15537), (480, 15549), (484, 15555), (515, 15615), (522, 15627), (538, 15663), (541, 15675), (571, 15750), (573, 15759), (581, 15777), (584, 15783), (596, 15813), (667, 15918), (673, 15930), (687, 15966), (716, 16044), (751, 16164), (759, 16197), (768, 16227), (771, 16239), (776, 16257), (778, 16263), (779, 16266), (781, 16272), (792, 16287), (793, 16290), (798, 16311), (800, 16314), (817, 16356), (822, 16386), (833, 16428), (834, 16434),

Gene: Vix_29 Start: 20461, Stop: 22257, Start Num: 108

Candidate Starts for Vix_29:

(Start: 108 @20461 has 545 MA's), (Start: 146 @20518 has 1 MA's), (154, 20533), (173, 20566), (179, 20587), (Start: 183 @20602 has 1 MA's), (227, 20689), (232, 20701), (233, 20704), (264, 20779), (Start: 268 @20794 has 11 MA's), (288, 20830), (373, 21037), (430, 21151), (449, 21190), (495, 21277), (549, 21391), (556, 21415), (563, 21433), (597, 21514), (623, 21589), (628, 21607), (637, 21640), (639, 21646), (653, 21685), (680, 21739), (681, 21742), (689, 21763), (713, 21820), (760, 21988), (792, 22093), (794, 22099), (833, 22234),

Gene: VohminGhazi_31 Start: 19976, Stop: 21748, Start Num: 108

Candidate Starts for VohminGhazi_31:

(65, 19910), (Start: 90 @19952 has 8 MA's), (Start: 108 @19976 has 545 MA's), (208, 20174), (233, 20213), (262, 20285), (264, 20288), (269, 20306), (289, 20342), (292, 20348), (338, 20459), (341, 20465), (356, 20504), (373, 20546), (399, 20585), (412, 20627), (413, 20630), (441, 20690), (557, 20927), (563, 20942), (597, 21023), (639, 21155), (698, 21281), (720, 21332), (724, 21341), (735, 21380), (736, 21383), (738, 21395), (760, 21479), (792, 21584), (794, 21590), (833, 21725),

Gene: Vordorf_22 Start: 18371, Stop: 20029, Start Num: 152

Candidate Starts for Vordorf_22:

(53, 18182), (76, 18242), (133, 18335), (Start: 152 @18371 has 2 MA's), (Start: 157 @18383 has 3 MA's), (Start: 198 @18497 has 1 MA's), (200, 18503), (242, 18581), (267, 18647), (269, 18653), (312, 18764), (316, 18773), (333, 18800), (337, 18806), (338, 18809), (349, 18830), (428, 19001), (429, 19004), (458, 19070), (463, 19085), (498, 19169), (508, 19178), (529, 19220), (538, 19241), (555, 19289), (557, 19301), (566, 19328), (594, 19397), (620, 19466), (667, 19499), (691, 19556), (712,

19607), (733, 19676), (747, 19727), (756, 19763), (760, 19778), (777, 19835), (780, 19844), (798, 19883), (814, 19922), (816, 19928),

Gene: Vorrps_56 Start: 33517, Stop: 35253, Start Num: 74

Candidate Starts for Vorrps_56:

(Start: 69 @33508 has 2 MA's), (Start: 74 @33517 has 26 MA's), (134, 33607), (187, 33724), (203, 33760), (214, 33781), (230, 33808), (233, 33814), (249, 33844), (261, 33868), (281, 33919), (342, 34057), (344, 34063), (363, 34114), (365, 34117), (374, 34135), (420, 34186), (429, 34207), (430, 34210), (455, 34258), (456, 34264), (474, 34312), (477, 34318), (480, 34324), (504, 34384), (515, 34408), (517, 34411), (538, 34456), (542, 34471), (546, 34480), (549, 34489), (564, 34534), (573, 34552), (589, 34585), (673, 34723), (680, 34744), (706, 34810), (717, 34840), (734, 34894), (744, 34936), (751, 34957), (755, 34978), (759, 34990), (765, 35011), (781, 35065), (815, 35143), (822, 35179), (827, 35200), (834, 35227),

Gene: Wachhund_16 Start: 14831, Stop: 16540, Start Num: 87

Candidate Starts for Wachhund_16:

(Start: 87 @14831 has 207 MA's), (150, 14918), (Start: 175 @14963 has 47 MA's), (182, 14987), (230, 15092), (233, 15098), (242, 15116), (257, 15146), (300, 15251), (323, 15311), (338, 15332), (342, 15341), (352, 15365), (420, 15491), (427, 15506), (429, 15512), (445, 15548), (448, 15551), (455, 15563), (456, 15569), (474, 15617), (480, 15629), (484, 15635), (515, 15695), (522, 15707), (538, 15743), (541, 15755), (571, 15830), (573, 15839), (581, 15857), (584, 15863), (596, 15893), (667, 15998), (671, 16007), (673, 16010), (687, 16046), (716, 16124), (744, 16223), (751, 16244), (759, 16277), (768, 16307), (776, 16337), (779, 16346), (781, 16352), (792, 16367), (793, 16370), (800, 16394), (813, 16424), (817, 16436), (822, 16466), (833, 16508),

Gene: Waits_30 Start: 19063, Stop: 20850, Start Num: 108

Candidate Starts for Waits_30:

(65, 18997), (Start: 90 @19039 has 8 MA's), (Start: 108 @19063 has 545 MA's), (184, 19201), (207, 19258), (233, 19300), (247, 19336), (264, 19375), (295, 19444), (301, 19468), (322, 19522), (399, 19672), (413, 19717), (430, 19747), (446, 19783), (468, 19834), (493, 19870), (522, 19918), (546, 19978), (596, 20107), (623, 20185), (698, 20386), (701, 20392), (736, 20488), (782, 20653), (815, 20752),

Gene: Walrus_20 Start: 16873, Stop: 18519, Start Num: 175

Candidate Starts for Walrus_20:

(156, 16837), (Start: 175 @16873 has 47 MA's), (213, 16975), (253, 17053), (254, 17056), (294, 17152), (304, 17191), (345, 17272), (364, 17326), (370, 17341), (422, 17437), (456, 17512), (466, 17542), (549, 17725), (556, 17749), (571, 17800), (604, 17893), (608, 17905), (626, 17950), (661, 17965), (712, 18097), (713, 18100), (742, 18199), (747, 18217), (760, 18268), (778, 18328), (780, 18334), (808, 18397), (813, 18409),

Gene: WalterMcMickey_27 Start: 19820, Stop: 21598, Start Num: 108

Candidate Starts for WalterMcMickey_27:

(Start: 108 @19820 has 545 MA's), (Start: 146 @19877 has 1 MA's), (154, 19892), (173, 19925), (179, 19946), (227, 20048), (232, 20060), (233, 20063), (264, 20138), (Start: 268 @20153 has 11 MA's), (289, 20192), (338, 20309), (347, 20327), (373, 20396), (410, 20471), (430, 20510), (449, 20549), (495, 20636), (522, 20681), (549, 20750), (556, 20774), (559, 20786), (563, 20792), (597, 20873), (628, 20966), (630, 20975), (637, 20999), (639, 21005), (645, 21020), (669, 21053), (689, 21104), (695, 21122), (713, 21161), (742, 21260), (760, 21329), (768, 21353), (770, 21359), (792, 21434), (794, 21440), (795, 21449), (815, 21500), (833, 21575),

Gene: Wanda_37 Start: 26916, Stop: 28914, Start Num: 89

Candidate Starts for Wanda_37:

(Start: 89 @26916 has 30 MA's), (Start: 147 @27006 has 45 MA's), (172, 27054), (182, 27084), (193, 27111), (244, 27213), (259, 27243), (275, 27294), (298, 27342), (309, 27378), (310, 27384), (321, 27405), (356, 27477), (359, 27486), (368, 27507), (429, 27615), (430, 27618), (435, 27633), (456, 27672), (474, 27720), (480, 27732), (484, 27738), (503, 27786), (507, 27795), (517, 27816), (526, 27834), (545, 27882), (581, 27984), (610, 28056), (627, 28101), (629, 28113), (656, 28248), (657, 28254), (658, 28278), (659, 28350), (665, 28377), (752, 28626),

Gene: Wander_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Wander_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Warrior24_31 Start: 19067, Stop: 20854, Start Num: 108

Candidate Starts for Warrior24_31:

(65, 19001), (Start: 90 @19043 has 8 MA's), (Start: 108 @19067 has 545 MA's), (184, 19205), (207, 19262), (233, 19304), (247, 19340), (264, 19379), (295, 19448), (301, 19472), (322, 19526), (399, 19676), (413, 19721), (430, 19751), (446, 19787), (468, 19838), (493, 19874), (522, 19922), (546, 19982), (596, 20111), (623, 20189), (698, 20390), (701, 20396), (736, 20492), (782, 20657), (815, 20756),

Gene: Waterfoul_21 Start: 17516, Stop: 19288, Start Num: 81

Candidate Starts for Waterfoul_21:

(Start: 81 @17516 has 15 MA's), (86, 17522), (103, 17546), (129, 17579), (154, 17627), (179, 17681), (Start: 196 @17732 has 7 MA's), (221, 17795), (Start: 268 @17903 has 11 MA's), (310, 18011), (363, 18125), (365, 18128), (384, 18167), (393, 18182), (395, 18194), (399, 18200), (412, 18242), (418, 18248), (434, 18287), (447, 18311), (515, 18413), (542, 18476), (557, 18521), (612, 18656), (645, 18755), (683, 18833), (693, 18857), (695, 18863), (701, 18878), (745, 18974), (747, 18980), (798, 19133), (829, 19238), (830, 19241), (834, 19259),

Gene: Watermelon_29 Start: 21982, Stop: 23784, Start Num: 109

Candidate Starts for Watermelon_29:

(Start: 109 @21982 has 207 MA's), (Start: 124 @22003 has 4 MA's), (Start: 146 @22045 has 1 MA's), (171, 22090), (264, 22306), (283, 22351), (289, 22360), (301, 22399), (321, 22450), (322, 22453), (413, 22648), (449, 22717), (549, 22918), (551, 22921), (556, 22942), (596, 23038), (597, 23041), (599, 23047), (623, 23116), (628, 23134), (630, 23143), (639, 23173), (681, 23269), (693, 23302), (698, 23317), (745, 23458), (760, 23515), (794, 23626), (840, 23779),

Gene: Watson_29 Start: 20371, Stop: 22167, Start Num: 108

Candidate Starts for Watson_29:

(Start: 108 @20371 has 545 MA's), (Start: 146 @20428 has 1 MA's), (154, 20443), (173, 20476), (179, 20497), (Start: 183 @20512 has 1 MA's), (227, 20599), (232, 20611), (233, 20614), (264, 20689), (Start: 268 @20704 has 11 MA's), (288, 20740), (373, 20947), (430, 21061), (449, 21100), (495, 21187), (549, 21301), (556, 21325), (563, 21343), (597, 21424), (623, 21499), (628, 21517), (637, 21550), (639, 21556), (653, 21595), (680, 21649), (681, 21652), (689, 21673), (713, 21730), (760, 21898), (792, 22003), (794, 22009), (833, 22144),

Gene: Webster2_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for Webster2_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197 @17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406, 18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: Wee_17 Start: 15380, Stop: 17089, Start Num: 87

Candidate Starts for Wee_17:

(Start: 87 @15380 has 207 MA's), (150, 15467), (Start: 175 @15512 has 47 MA's), (182, 15536), (230, 15641), (233, 15647), (242, 15665), (257, 15695), (300, 15800), (323, 15860), (338, 15881), (342, 15890), (352, 15914), (420, 16040), (427, 16055), (429, 16061), (445, 16097), (448, 16100), (455, 16112), (456, 16118), (474, 16166), (480, 16178), (484, 16184), (515, 16244), (522, 16256), (538, 16292), (541, 16304), (571, 16379), (573, 16388), (581, 16406), (584, 16412), (596, 16442), (667, 16547), (671, 16556), (673, 16559), (687, 16595), (716, 16673), (744, 16772), (751, 16793), (759, 16826), (768, 16856), (776, 16886), (779, 16895), (781, 16901), (792, 16916), (793, 16919), (800, 16943), (813, 16973), (817, 16985), (822, 17015), (833, 17057),

Gene: WeiHuaDA_34 Start: 22438, Stop: 24234, Start Num: 90

Candidate Starts for WeiHuaDA_34:

(65, 22396), (Start: 90 @22438 has 8 MA's), (Start: 108 @22462 has 545 MA's), (232, 22696), (233, 22699), (262, 22771), (264, 22774), (289, 22828), (292, 22834), (301, 22867), (338, 22945), (373, 23032), (412, 23113), (413, 23116), (430, 23146), (551, 23389), (592, 23494), (597, 23509), (639, 23641), (669, 23689), (681, 23719), (693, 23752), (698, 23767), (701, 23773), (724, 23827), (738, 23881), (760, 23965), (780, 24031), (792, 24070), (794, 24076),

Gene: Weirido19_19 Start: 16080, Stop: 17819, Start Num: 78

Candidate Starts for Weirido19_19:

(61, 16044), (Start: 78 @16080 has 41 MA's), (92, 16101), (95, 16104), (137, 16164), (141, 16170), (145, 16176), (158, 16200), (Start: 175 @16233 has 47 MA's), (208, 16326), (216, 16347), (257, 16446), (309, 16581), (310, 16587), (318, 16602), (334, 16626), (352, 16668), (395, 16758), (401, 16767), (430, 16839), (434, 16851), (435, 16854), (442, 16869), (466, 16920), (513, 16965), (529, 16995), (557, 17076), (597, 17163), (647, 17319), (652, 17325), (753, 17532), (780, 17616), (791, 17637), (795, 17655), (814, 17703), (827, 17763),

Gene: WelcomeAyanna_18 Start: 17806, Stop: 19404, Start Num: 194

Candidate Starts for WelcomeAyanna_18:

(54, 17509), (Start: 84 @17584 has 1 MA's), (100, 17605), (149, 17689), (Start: 194 @17806 has 87 MA's), (310, 18064), (319, 18082), (321, 18085), (351, 18139), (413, 18283), (427, 18304), (451, 18355), (462, 18391), (463, 18394), (518, 18427), (541, 18484), (602, 18661), (610, 18685), (623, 18721), (655, 18823), (682, 18880), (716, 18970), (787, 19210), (810, 19288),

Gene: Wendigo_18 Start: 16640, Stop: 18403, Start Num: 75

Candidate Starts for Wendigo_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Whabigail7_30 Start: 20683, Stop: 22455, Start Num: 108

Candidate Starts for Whabigail7_30:

(Start: 90 @20659 has 8 MA's), (Start: 108 @20683 has 545 MA's), (173, 20782), (202, 20866), (232, 20917), (233, 20920), (262, 20992), (264, 20995), (289, 21049), (301, 21088), (338, 21166), (373, 21253), (412, 21334), (413, 21337), (513, 21523), (551, 21610), (592, 21715), (597, 21730), (637, 21856), (639, 21862), (669, 21910), (698, 21988), (701, 21994), (724, 22048), (735, 22087), (738, 22102), (760, 22186), (794, 22297),

Gene: Whack_18 Start: 17086, Stop: 18663, Start Num: 121

Candidate Starts for Whack_18:

(Start: 121 @17086 has 2 MA's), (184, 17212), (Start: 197 @17242 has 1 MA's), (305, 17488), (310, 17503), (351, 17578), (427, 17668), (428, 17671), (429, 17674), (456, 17734), (539, 17914), (610, 18070), (682, 18172), (689, 18184), (692, 18193), (727, 18286), (739, 18331), (744, 18352), (768, 18439), (827, 18616), (831, 18628), (835, 18646),

Gene: Whatsapiecost_16 Start: 14856, Stop: 16565, Start Num: 87

Candidate Starts for Whatsapiecost_16:

(Start: 87 @14856 has 207 MA's), (150, 14943), (Start: 175 @14988 has 47 MA's), (182, 15012), (230, 15117), (233, 15123), (242, 15141), (257, 15171), (300, 15276), (323, 15336), (338, 15357), (342, 15366), (352, 15390), (420, 15516), (427, 15531), (429, 15537), (445, 15573), (448, 15576), (455, 15588), (456, 15594), (474, 15642), (480, 15654), (484, 15660), (515, 15720), (522, 15732), (538, 15768), (541, 15780), (571, 15855), (573, 15864), (581, 15882), (584, 15888), (596, 15918), (667, 16023), (671, 16032), (673, 16035), (687, 16071), (716, 16149), (744, 16248), (751, 16269), (759, 16302), (768, 16332), (776, 16362), (779, 16371), (781, 16377), (792, 16392), (793, 16395), (800, 16419), (813, 16449), (817, 16461), (822, 16491), (833, 16533),

Gene: WheatThin_22 Start: 17344, Stop: 19050, Start Num: 126

Candidate Starts for WheatThin_22:

(Start: 69 @17269 has 2 MA's), (Start: 126 @17344 has 16 MA's), (Start: 175 @17437 has 47 MA's), (179, 17452), (181, 17458), (Start: 209 @17533 has 1 MA's), (235, 17605), (286, 17716), (301, 17761), (306, 17779), (310, 17791), (395, 17962), (401, 17971), (403, 17977), (412, 18010), (442, 18073), (466, 18124), (500, 18148), (513, 18172), (546, 18247), (558, 18286), (610, 18418), (647, 18532), (693, 18619), (744, 18733), (747, 18742), (780, 18847), (814, 18934), (843, 19042),

Gene: Wheeler_27 Start: 21414, Stop: 23216, Start Num: 109

Candidate Starts for Wheeler_27:

(Start: 109 @21414 has 207 MA's), (Start: 124 @21435 has 4 MA's), (Start: 146 @21477 has 1 MA's), (171, 21522), (264, 21738), (283, 21783), (289, 21792), (301, 21831), (321, 21882), (322, 21885), (365, 21978), (413, 22080), (449, 22149), (549, 22350), (551, 22353), (556, 22374), (596, 22470), (597, 22473), (599, 22479), (623, 22548), (628, 22566), (630, 22575), (639, 22605), (681, 22701), (693, 22734), (698, 22749), (745, 22890), (760, 22947), (794, 23058), (840, 23211),

Gene: Wheezy_41 Start: 29808, Stop: 31421, Start Num: 194

Candidate Starts for Wheezy_41:

(Start: 194 @29808 has 87 MA's), (Start: 209 @29844 has 1 MA's), (216, 29862), (243, 29922), (351, 30162), (353, 30174), (359, 30189), (401, 30255), (405, 30270), (419, 30294), (421, 30297), (457, 30381), (469, 30411), (470, 30414), (499, 30471), (519, 30519), (521, 30522), (532, 30543), (570, 30648), (592, 30693), (604, 30735), (669, 30909), (681, 30939), (683, 30945), (729, 31053), (730, 31056), (751, 31131), (822, 31350), (838, 31407),

Gene: Whiteclaw_17 Start: 14758, Stop: 16467, Start Num: 195

Candidate Starts for Whiteclaw_17:

(Start: 195 @14758 has 39 MA's), (244, 14875), (301, 15025), (319, 15064), (328, 15079), (359, 15148), (363, 15160), (405, 15238), (406, 15241), (462, 15373), (487, 15427), (516, 15508), (541, 15568), (543, 15574), (546, 15580), (576, 15661), (592, 15697), (604, 15733), (610, 15751), (625, 15790), (647, 15862), (655, 15886), (742, 16120), (746, 16135), (757, 16177), (785, 16270), (787, 16273), (797, 16321), (810, 16351),

Gene: WhoseManz_43 Start: 27503, Stop: 29119, Start Num: 194

Candidate Starts for WhoseManz_43:

(Start: 194 @27503 has 87 MA's), (Start: 198 @27515 has 1 MA's), (Start: 209 @27539 has 1 MA's), (243, 27617), (319, 27800), (351, 27857), (353, 27869), (359, 27884), (401, 27950), (405, 27965), (419, 27989), (457, 28076), (460, 28082), (469, 28106), (499, 28166), (510, 28196), (521, 28217), (565, 28322), (570, 28343), (604, 28430), (622, 28478), (669, 28604), (683, 28640), (744, 28805), (750, 28823), (759, 28859), (820, 29033), (822, 29045), (838, 29102),

Gene: Whouxphf_16 Start: 14910, Stop: 16619, Start Num: 87

Candidate Starts for Whouxphf_16:

(Start: 87 @14910 has 207 MA's), (150, 14997), (161, 15018), (Start: 175 @15042 has 47 MA's), (182, 15066), (230, 15171), (233, 15177), (242, 15195), (257, 15225), (300, 15330), (323, 15390), (338, 15411), (342, 15420), (352, 15444), (365, 15480), (368, 15486), (374, 15498), (396, 15519), (410, 15552), (420, 15570), (427, 15585), (429, 15591), (445, 15627), (455, 15642), (456, 15648), (474, 15696), (480, 15708), (484, 15714), (515, 15774), (538, 15822), (541, 15834), (549, 15855), (571, 15909), (573, 15918), (581, 15936), (584, 15942), (596, 15972), (667, 16077), (673, 16089), (687, 16125), (716, 16203), (744, 16302), (751, 16323), (759, 16356), (768, 16386), (776, 16416), (778, 16422), (779, 16425), (781, 16431), (792, 16446), (793, 16449), (798, 16470), (800, 16473), (817, 16515), (833, 16587),

Gene: WideWale_30 Start: 20656, Stop: 22428, Start Num: 108

Candidate Starts for WideWale_30:

(Start: 90 @20632 has 8 MA's), (Start: 108 @20656 has 545 MA's), (Start: 183 @20791 has 1 MA's), (232, 20890), (233, 20893), (262, 20965), (264, 20968), (289, 21022), (292, 21028), (310, 21091), (338, 21139), (352, 21172), (373, 21226), (412, 21307), (413, 21310), (430, 21340), (513, 21496), (551, 21583), (597, 21703), (636, 21826), (637, 21829), (639, 21835), (669, 21883), (693, 21946), (698, 21961), (701, 21967), (724, 22021), (735, 22060), (738, 22075), (747, 22108), (759, 22153), (792, 22264), (794, 22270), (813, 22324),

Gene: Widow_18 Start: 15130, Stop: 16746, Start Num: 117

Candidate Starts for Widow_18:

(Start: 117 @15130 has 11 MA's), (171, 15226), (244, 15394), (251, 15406), (269, 15457), (319, 15580), (373, 15697), (451, 15775), (480, 15850), (494, 15883), (539, 15976), (546, 15997), (594, 16114), (610, 16156), (615, 16174), (622, 16186), (623, 16189), (697, 16294), (700, 16300), (706, 16315), (727, 16372), (795, 16591), (825, 16690),

Gene: Wiggin_27 Start: 20250, Stop: 21929, Start Num: 94

Candidate Starts for Wiggin_27:

(Start: 94 @20250 has 79 MA's), (Start: 147 @20334 has 45 MA's), (Start: 183 @20412 has 1 MA's), (227, 20499), (233, 20514), (257, 20562), (271, 20601), (306, 20688), (321, 20721), (342, 20757), (354, 20787), (356, 20793), (400, 20862), (424, 20892), (428, 20904), (429, 20907), (456, 20964), (517, 21096), (520, 21102), (547, 21168), (549, 21174), (556, 21198), (573, 21246), (584, 21270), (589, 21279), (616, 21354), (671, 21405), (678, 21420), (736, 21582), (742, 21609), (751, 21639), (780, 21744), (815, 21822), (822, 21858), (824, 21867), (833, 21900), (838, 21915),

Gene: Wiks_31 Start: 19971, Stop: 21743, Start Num: 108

Candidate Starts for Wiks_31:

(65, 19905), (Start: 90 @19947 has 8 MA's), (Start: 108 @19971 has 545 MA's), (233, 20208), (262, 20280), (264, 20283), (Start: 268 @20298 has 11 MA's), (289, 20337), (292, 20343), (338, 20454), (341, 20460), (356, 20499), (373, 20541), (399, 20580), (412, 20622), (413, 20625), (495, 20781), (557, 20922), (563, 20937), (639, 21150), (689, 21249), (698, 21276), (720, 21327), (724, 21336), (735, 21375), (738, 21390), (760, 21474), (792, 21579), (794, 21585), (833, 21720),

Gene: Wilbur_27 Start: 19827, Stop: 21605, Start Num: 108

Candidate Starts for Wilbur_27:

(Start: 90 @19803 has 8 MA's), (Start: 108 @19827 has 545 MA's), (Start: 146 @19884 has 1 MA's), (Start: 175 @19938 has 47 MA's), (179, 19953), (184, 19971), (227, 20055), (232, 20067), (233, 20070), (264, 20145), (Start: 268 @20160 has 11 MA's), (289, 20199), (338, 20316), (373, 20403), (412, 20484), (435, 20532), (449, 20556), (495, 20643), (522, 20688), (551, 20760), (556, 20781), (563, 20799), (597, 20880), (628, 20973), (630, 20982), (637, 21006), (639, 21012), (647, 21036), (681, 21090), (689, 21111), (710, 21162), (719, 21186), (736, 21240), (760, 21336), (792, 21441), (795, 21456), (828, 21564), (833, 21582),

Gene: Wildflower_56 Start: 33020, Stop: 34765, Start Num: 69

Candidate Starts for Wildflower_56:

(Start: 69 @33020 has 2 MA's), (Start: 74 @33029 has 26 MA's), (134, 33119), (187, 33236), (203, 33272), (214, 33293), (230, 33320), (233, 33326), (249, 33356), (261, 33380), (281, 33431), (342, 33569), (344, 33575), (363, 33626), (365, 33629), (374, 33647), (420, 33698), (429, 33719), (430, 33722), (445, 33755), (455, 33770), (456, 33776), (474, 33824), (477, 33830), (480, 33836), (504, 33896), (515, 33920), (517, 33923), (538, 33968), (542, 33983), (546, 33992), (549, 34001), (564, 34046), (573, 34064), (589, 34097), (673, 34235), (680, 34256), (706, 34322), (717, 34352), (734, 34406), (744, 34448), (751, 34469), (755, 34490), (759, 34502), (765, 34523), (781, 34577), (815, 34655), (822, 34691), (827, 34712), (834, 34739),

Gene: Wile_27 Start: 19836, Stop: 21635, Start Num: 108

Candidate Starts for Wile_27:

(Start: 90 @19812 has 8 MA's), (Start: 108 @19836 has 545 MA's), (Start: 112 @19842 has 3 MA's), (Start: 146 @19896 has 1 MA's), (179, 19965), (208, 20043), (227, 20067), (233, 20082), (247, 20118), (264, 20157), (Start: 268 @20172 has 11 MA's), (289, 20211), (322, 20304), (338, 20328), (373, 20415), (430, 20529), (449, 20568), (495, 20655), (522, 20700), (549, 20769), (556, 20793), (559, 20805), (597, 20892), (623, 20967), (628, 20985), (630, 20994), (637, 21018), (639, 21024), (645, 21039), (662, 21072), (680, 21117), (681, 21120), (689, 21141), (760, 21366), (784, 21444), (792, 21471), (794, 21477), (833, 21612),

Gene: Wilkins_27 Start: 20952, Stop: 22754, Start Num: 109

Candidate Starts for Wilkins_27:

(Start: 109 @20952 has 207 MA's), (Start: 124 @20973 has 4 MA's), (Start: 146 @21015 has 1 MA's), (171, 21060), (264, 21276), (283, 21321), (289, 21330), (301, 21369), (321, 21420), (322, 21423), (365, 21516), (413, 21618), (449, 21687), (545, 21876), (549, 21888), (551, 21891), (556, 21912), (596, 22008), (597, 22011), (599, 22017), (623, 22086), (628, 22104), (630, 22113), (639, 22143), (681, 22239), (693, 22272), (698, 22287), (713, 22317), (745, 22428), (760, 22485), (794, 22596),

Gene: WillSterrel_17 Start: 16164, Stop: 17873, Start Num: 87

Candidate Starts for WillSterrel_17:

(Start: 87 @16164 has 207 MA's), (150, 16251), (Start: 175 @16296 has 47 MA's), (182, 16320), (230, 16425), (233, 16431), (242, 16449), (257, 16479), (300, 16584), (323, 16644), (338, 16665), (342, 16674), (352, 16698), (365, 16734), (368, 16740), (396, 16773), (398, 16776), (402, 16785), (408, 16800), (410, 16806), (420, 16824), (427, 16839), (429, 16845), (435, 16863), (436, 16866), (445, 16881), (455, 16896), (456, 16902), (474, 16950), (480, 16962), (484, 16968), (515, 17028), (522, 17040), (538, 17076), (541, 17088), (571, 17163), (573, 17172), (581, 17190), (584, 17196), (596,

17226), (667, 17331), (673, 17343), (687, 17379), (716, 17457), (751, 17577), (759, 17610), (768, 17640), (771, 17652), (776, 17670), (778, 17676), (779, 17679), (781, 17685), (792, 17700), (793, 17703), (798, 17724), (800, 17727), (817, 17769), (822, 17799), (833, 17841), (834, 17847),

Gene: Willez_23 Start: 19334, Stop: 20929, Start Num: 147

Candidate Starts for Willez_23:

(Start: 94 @19250 has 79 MA's), (Start: 147 @19334 has 45 MA's), (Start: 183 @19412 has 1 MA's), (227, 19499), (233, 19514), (257, 19562), (271, 19601), (306, 19688), (321, 19721), (342, 19757), (354, 19787), (356, 19793), (400, 19862), (424, 19892), (428, 19904), (429, 19907), (456, 19964), (517, 20096), (520, 20102), (547, 20168), (549, 20174), (556, 20198), (573, 20246), (584, 20270), (589, 20279), (616, 20354), (671, 20405), (678, 20420), (736, 20582), (742, 20609), (751, 20639), (780, 20744), (815, 20822), (822, 20858), (824, 20867), (833, 20900), (838, 20915),

Gene: William_19 Start: 16689, Stop: 18338, Start Num: 175

Candidate Starts for William_19:

(5, 15642), (6, 15687), (7, 15711), (8, 15717), (10, 15825), (13, 15873), (16, 15945), (20, 16020), (26, 16158), (28, 16188), (29, 16194), (33, 16326), (38, 16383), (39, 16392), (98, 16551), (156, 16653), (Start: 175 @16689 has 47 MA's), (213, 16794), (253, 16872), (273, 16932), (280, 16944), (282, 16947), (294, 16971), (320, 17046), (364, 17145), (370, 17160), (416, 17244), (422, 17256), (426, 17265), (427, 17268), (434, 17289), (456, 17331), (466, 17361), (549, 17544), (556, 17568), (571, 17619), (604, 17712), (608, 17724), (661, 17784), (713, 17919), (740, 18012), (742, 18018), (747, 18036), (760, 18087), (778, 18147), (780, 18153), (813, 18228),

Gene: WilliamBoone_48 Start: 28921, Stop: 30612, Start Num: 110

Candidate Starts for WilliamBoone_48:

(Start: 110 @28921 has 14 MA's), (144, 28981), (159, 29014), (176, 29047), (178, 29056), (Start: 209 @29137 has 1 MA's), (213, 29143), (249, 29215), (299, 29338), (301, 29344), (319, 29392), (352, 29455), (456, 29605), (458, 29611), (466, 29635), (529, 29764), (538, 29785), (576, 29905), (616, 30016), (667, 30058), (696, 30130), (713, 30169), (742, 30268), (745, 30280), (748, 30289), (771, 30373), (832, 30556),

Gene: Willsammy_19 Start: 16277, Stop: 18013, Start Num: 82

Candidate Starts for Willsammy_19:

(Start: 71 @16253 has 2 MA's), (Start: 82 @16277 has 44 MA's), (128, 16337), (136, 16358), (138, 16361), (Start: 195 @16481 has 39 MA's), (213, 16520), (232, 16553), (244, 16577), (296, 16697), (306, 16736), (309, 16742), (351, 16826), (352, 16832), (356, 16844), (365, 16868), (379, 16895), (400, 16913), (417, 16952), (420, 16958), (430, 16982), (456, 17036), (461, 17048), (463, 17057), (490, 17117), (526, 17195), (541, 17234), (554, 17267), (573, 17333), (578, 17348), (584, 17357), (594, 17381), (605, 17411), (610, 17423), (682, 17525), (689, 17537), (691, 17540), (692, 17546), (695, 17555), (734, 17663), (755, 17747), (787, 17846), (824, 17954), (838, 18002),

Gene: Winget_57 Start: 33735, Stop: 35471, Start Num: 74

Candidate Starts for Winget_57:

(Start: 69 @33726 has 2 MA's), (Start: 74 @33735 has 26 MA's), (134, 33825), (187, 33942), (203, 33978), (214, 33999), (230, 34026), (233, 34032), (249, 34062), (261, 34086), (281, 34137), (342, 34275), (344, 34281), (363, 34332), (365, 34335), (374, 34353), (420, 34404), (429, 34425), (430, 34428), (455, 34476), (456, 34482), (474, 34530), (477, 34536), (480, 34542), (504, 34602), (515, 34626), (517, 34629), (538, 34674), (542, 34689), (546, 34698), (549, 34707), (564, 34752), (573, 34770), (589, 34803), (673, 34941), (680, 34962), (706, 35028), (717, 35058), (734, 35112), (744, 35154), (751, 35175), (755, 35196), (759, 35208), (765, 35229), (781, 35283), (815, 35361), (822, 35397), (827, 35418), (834, 35445),

Gene: WinkNick_20 Start: 17322, Stop: 18902, Start Num: 194

Candidate Starts for WinkNick_20:

(149, 17205), (Start: 194 @17322 has 87 MA's), (310, 17580), (321, 17601), (351, 17655), (363, 17694), (397, 17751), (405, 17772), (518, 17943), (527, 17961), (537, 17985), (543, 18006), (564, 18048), (592, 18129), (623, 18219), (635, 18264), (655, 18321), (662, 18324), (682, 18378), (716, 18468), (796, 18747), (797, 18756), (810, 18786),

Gene: Wintermute_24 Start: 18622, Stop: 20409, Start Num: 79

Candidate Starts for Wintermute_24:

(Start: 62 @18583 has 1 MA's), (Start: 75 @18613 has 25 MA's), (Start: 78 @18619 has 41 MA's), (Start: 79 @18622 has 139 MA's), (Start: 99 @18637 has 4 MA's), (129, 18679), (154, 18727), (Start: 175 @18766 has 47 MA's), (179, 18781), (184, 18799), (Start: 196 @18832 has 7 MA's), (210, 18862), (227, 18907), (234, 18925), (266, 18997), (Start: 268 @19003 has 11 MA's), (283, 19033), (286, 19036), (306, 19099), (310, 19111), (373, 19246), (383, 19264), (395, 19294), (399, 19300), (405, 19318), (418, 19348), (434, 19387), (515, 19513), (542, 19576), (612, 19777), (630, 19831), (645, 19876), (668, 19921), (681, 19945), (693, 19978), (706, 20011), (742, 20083), (745, 20095), (759, 20146), (760, 20152), (798, 20254), (834, 20380), (843, 20401),

Gene: Wishmaker_22 Start: 17406, Stop: 19148, Start Num: 78

Candidate Starts for Wishmaker_22:

(Start: 78 @17406 has 41 MA's), (Start: 81 @17415 has 15 MA's), (114, 17457), (145, 17508), (158, 17532), (166, 17544), (Start: 175 @17565 has 47 MA's), (179, 17580), (184, 17598), (Start: 197 @17631 has 1 MA's), (208, 17658), (234, 17730), (272, 17820), (305, 17904), (309, 17913), (318, 17934), (352, 18000), (362, 18027), (381, 18060), (393, 18078), (401, 18099), (405, 18114), (406, 18117), (434, 18183), (435, 18186), (466, 18252), (483, 18264), (500, 18273), (504, 18276), (542, 18363), (559, 18417), (582, 18462), (585, 18468), (611, 18540), (623, 18570), (630, 18597), (641, 18633), (645, 18642), (693, 18720), (753, 18864), (757, 18882), (760, 18894), (767, 18909), (769, 18912), (776, 18933), (780, 18945), (798, 18993), (812, 19026), (830, 19101), (834, 19119), (843, 19140),

Gene: Wisp_18 Start: 16363, Stop: 18009, Start Num: 175

Candidate Starts for Wisp_18:

(156, 16327), (Start: 175 @16363 has 47 MA's), (213, 16465), (253, 16543), (254, 16546), (294, 16642), (304, 16681), (336, 16741), (345, 16762), (364, 16816), (370, 16831), (456, 17002), (466, 17032), (549, 17215), (556, 17239), (571, 17290), (604, 17383), (608, 17395), (626, 17440), (661, 17455), (712, 17587), (713, 17590), (742, 17689), (747, 17707), (760, 17758), (780, 17824), (808, 17887), (813, 17899),

Gene: Wizard007_27 Start: 19829, Stop: 21607, Start Num: 108

Candidate Starts for Wizard007_27:

(Start: 90 @19805 has 8 MA's), (Start: 108 @19829 has 545 MA's), (Start: 146 @19886 has 1 MA's), (Start: 175 @19940 has 47 MA's), (179, 19955), (184, 19973), (227, 20057), (232, 20069), (233, 20072), (264, 20147), (Start: 268 @20162 has 11 MA's), (289, 20201), (338, 20318), (373, 20405), (412, 20486), (435, 20534), (449, 20558), (495, 20645), (522, 20690), (551, 20762), (556, 20783), (563, 20801), (597, 20882), (628, 20975), (630, 20984), (637, 21008), (639, 21014), (647, 21038), (681, 21092), (689, 21113), (710, 21164), (719, 21188), (736, 21242), (760, 21338), (792, 21443), (795, 21458), (828, 21566), (833, 21584),

Gene: Wocket_20 Start: 16837, Stop: 18483, Start Num: 175

Candidate Starts for Wocket_20:

(156, 16801), (Start: 175 @16837 has 47 MA's), (213, 16939), (253, 17017), (294, 17116), (304, 17155), (325, 17200), (345, 17236), (364, 17290), (370, 17305), (401, 17338), (416, 17389), (456, 17476), (466, 17506), (549, 17689), (556, 17713), (604, 17857), (608, 17869), (661, 17929), (712, 18061), (713, 18064), (742, 18163), (747, 18181), (760, 18232), (778, 18292), (780, 18298), (808,

18361), (813, 18373),

Gene: Wooldri_31 Start: 20290, Stop: 22086, Start Num: 108

Candidate Starts for Wooldri_31:

(Start: 108 @20290 has 545 MA's), (Start: 146 @20347 has 1 MA's), (154, 20362), (173, 20395), (179, 20416), (Start: 183 @20431 has 1 MA's), (227, 20518), (232, 20530), (233, 20533), (264, 20608), (Start: 268 @20623 has 11 MA's), (288, 20659), (373, 20866), (430, 20980), (449, 21019), (495, 21106), (549, 21220), (556, 21244), (563, 21262), (597, 21343), (623, 21418), (628, 21436), (637, 21469), (639, 21475), (653, 21514), (680, 21568), (681, 21571), (689, 21592), (713, 21649), (760, 21817), (792, 21922), (794, 21928), (833, 22063),

Gene: WunderPhul_31 Start: 19971, Stop: 21743, Start Num: 108

Candidate Starts for WunderPhul_31:

(65, 19905), (Start: 90 @19947 has 8 MA's), (Start: 108 @19971 has 545 MA's), (233, 20208), (262, 20280), (264, 20283), (Start: 268 @20298 has 11 MA's), (289, 20337), (292, 20343), (338, 20454), (341, 20460), (356, 20499), (373, 20541), (399, 20580), (412, 20622), (413, 20625), (495, 20781), (557, 20922), (563, 20937), (639, 21150), (689, 21249), (698, 21276), (720, 21327), (724, 21336), (735, 21375), (736, 21378), (760, 21474), (792, 21579), (794, 21585), (833, 21720),

Gene: XFactor_16 Start: 14812, Stop: 16521, Start Num: 87

Candidate Starts for XFactor_16:

(Start: 87 @14812 has 207 MA's), (150, 14899), (Start: 175 @14944 has 47 MA's), (182, 14968), (230, 15073), (233, 15079), (242, 15097), (257, 15127), (300, 15232), (323, 15292), (338, 15313), (342, 15322), (352, 15346), (420, 15472), (427, 15487), (429, 15493), (445, 15529), (448, 15532), (455, 15544), (456, 15550), (474, 15598), (480, 15610), (484, 15616), (515, 15676), (522, 15688), (538, 15724), (541, 15736), (571, 15811), (573, 15820), (581, 15838), (584, 15844), (596, 15874), (667, 15979), (673, 15991), (687, 16027), (716, 16105), (744, 16204), (751, 16225), (759, 16258), (768, 16288), (776, 16318), (779, 16327), (781, 16333), (792, 16348), (793, 16351), (800, 16375), (813, 16405), (817, 16417), (822, 16447), (833, 16489),

Gene: Xandras_26 Start: 19820, Stop: 21415, Start Num: 147

Candidate Starts for Xandras_26:

(Start: 94 @19736 has 79 MA's), (Start: 147 @19820 has 45 MA's), (Start: 183 @19898 has 1 MA's), (227, 19985), (233, 20000), (257, 20048), (271, 20087), (306, 20174), (321, 20207), (342, 20243), (354, 20273), (356, 20279), (400, 20348), (424, 20378), (428, 20390), (429, 20393), (456, 20450), (517, 20582), (520, 20588), (547, 20654), (549, 20660), (556, 20684), (573, 20732), (584, 20756), (589, 20765), (616, 20840), (671, 20891), (678, 20906), (736, 21068), (742, 21095), (751, 21125), (780, 21230), (815, 21308), (822, 21344), (824, 21353), (833, 21386), (838, 21401),

Gene: Xavia_19 Start: 16389, Stop: 18125, Start Num: 82

Candidate Starts for Xavia_19:

(Start: 71 @16365 has 2 MA's), (Start: 82 @16389 has 44 MA's), (128, 16449), (136, 16470), (138, 16473), (193, 16587), (Start: 195 @16593 has 39 MA's), (213, 16632), (232, 16665), (244, 16689), (296, 16809), (306, 16848), (309, 16854), (351, 16938), (352, 16944), (356, 16956), (365, 16980), (400, 17025), (417, 17064), (420, 17070), (430, 17094), (456, 17148), (461, 17160), (463, 17169), (490, 17229), (526, 17307), (541, 17346), (554, 17379), (573, 17445), (578, 17460), (584, 17469), (594, 17493), (605, 17523), (610, 17535), (682, 17637), (689, 17649), (691, 17652), (692, 17658), (695, 17667), (734, 17775), (755, 17859), (787, 17958), (824, 18066), (838, 18114),

Gene: Xena_27 Start: 19823, Stop: 21622, Start Num: 108

Candidate Starts for Xena_27:

(Start: 90 @19799 has 8 MA's), (Start: 108 @19823 has 545 MA's), (Start: 112 @19829 has 3 MA's), (Start: 146 @19883 has 1 MA's), (179, 19952), (208, 20030), (227, 20054), (233, 20069), (247, 20105),

(264, 20144), (Start: 268 @20159 has 11 MA's), (289, 20198), (322, 20291), (338, 20315), (373, 20402), (430, 20516), (449, 20555), (495, 20642), (522, 20687), (549, 20756), (556, 20780), (559, 20792), (597, 20879), (623, 20954), (628, 20972), (630, 20981), (637, 21005), (639, 21011), (645, 21026), (662, 21059), (680, 21104), (681, 21107), (689, 21128), (760, 21353), (784, 21431), (792, 21458), (794, 21464), (833, 21599),

Gene: Xeno_18 Start: 14986, Stop: 16695, Start Num: 91

Candidate Starts for Xeno_18:

(Start: 91 @14986 has 42 MA's), (115, 15013), (Start: 175 @15118 has 47 MA's), (178, 15130), (190, 15166), (213, 15217), (230, 15247), (233, 15253), (247, 15280), (251, 15286), (300, 15406), (320, 15460), (323, 15466), (337, 15484), (342, 15496), (343, 15499), (352, 15520), (368, 15562), (396, 15595), (420, 15646), (427, 15661), (445, 15703), (455, 15718), (456, 15724), (474, 15772), (486, 15796), (497, 15826), (515, 15850), (541, 15910), (546, 15922), (564, 15976), (571, 15985), (595, 16045), (596, 16048), (667, 16153), (671, 16162), (687, 16201), (735, 16339), (775, 16489), (776, 16492), (779, 16501), (792, 16522), (800, 16549), (815, 16585), (838, 16678),

Gene: Xerxes_18 Start: 14986, Stop: 16695, Start Num: 91

Candidate Starts for Xerxes_18:

(Start: 91 @14986 has 42 MA's), (115, 15013), (Start: 175 @15118 has 47 MA's), (178, 15130), (190, 15166), (213, 15217), (230, 15247), (233, 15253), (247, 15280), (251, 15286), (300, 15406), (320, 15460), (323, 15466), (337, 15484), (342, 15496), (343, 15499), (352, 15520), (368, 15562), (396, 15595), (420, 15646), (427, 15661), (445, 15703), (455, 15718), (456, 15724), (474, 15772), (486, 15796), (497, 15826), (515, 15850), (541, 15910), (546, 15922), (564, 15976), (571, 15985), (595, 16045), (596, 16048), (667, 16153), (671, 16162), (687, 16201), (735, 16339), (775, 16489), (776, 16492), (779, 16501), (792, 16522), (800, 16549), (815, 16585), (838, 16678),

Gene: XianYue_28 Start: 20112, Stop: 21908, Start Num: 90

Candidate Starts for XianYue_28:

(65, 20070), (Start: 90 @20112 has 8 MA's), (Start: 108 @20136 has 545 MA's), (173, 20235), (189, 20289), (232, 20370), (233, 20373), (262, 20445), (264, 20448), (289, 20502), (306, 20559), (318, 20586), (373, 20706), (412, 20787), (413, 20790), (430, 20820), (495, 20946), (551, 21063), (596, 21180), (597, 21183), (639, 21315), (693, 21426), (698, 21441), (701, 21447), (724, 21501), (735, 21540), (738, 21555), (747, 21588), (784, 21717), (792, 21744), (794, 21750), (798, 21768), (813, 21804),

Gene: Ximenita_23 Start: 16499, Stop: 18265, Start Num: 79

Candidate Starts for Ximenita_23:

(Start: 75 @16490 has 25 MA's), (Start: 79 @16499 has 139 MA's), (101, 16529), (Start: 175 @16655 has 47 MA's), (179, 16670), (184, 16688), (Start: 196 @16721 has 7 MA's), (210, 16751), (227, 16796), (266, 16886), (283, 16922), (310, 17000), (315, 17009), (363, 17114), (365, 17117), (395, 17183), (399, 17189), (412, 17231), (418, 17237), (525, 17420), (548, 17480), (573, 17537), (593, 17582), (597, 17594), (612, 17642), (645, 17741), (681, 17801), (694, 17837), (718, 17876), (745, 17951), (759, 18002), (760, 18008), (834, 18236), (835, 18239), (843, 18257),

Gene: Xula_18 Start: 16123, Stop: 17856, Start Num: 96

Candidate Starts for Xula_18:

(Start: 96 @16123 has 6 MA's), (159, 16222), (165, 16231), (190, 16297), (199, 16321), (232, 16381), (233, 16384), (247, 16411), (320, 16591), (337, 16615), (342, 16627), (352, 16651), (420, 16777), (427, 16792), (430, 16801), (448, 16837), (456, 16855), (564, 17107), (571, 17116), (584, 17149), (671, 17293), (689, 17338), (727, 17440), (729, 17449), (734, 17467), (735, 17470), (760, 17569), (776, 17629), (782, 17647), (792, 17683), (795, 17698), (815, 17746), (831, 17815),

Gene: Y10_24 Start: 18637, Stop: 20409, Start Num: 99

Candidate Starts for Y10_24:

(Start: 62 @18583 has 1 MA's), (Start: 75 @18613 has 25 MA's), (Start: 78 @18619 has 41 MA's), (Start: 79 @18622 has 139 MA's), (Start: 99 @18637 has 4 MA's), (129, 18679), (154, 18727), (Start: 175 @18766 has 47 MA's), (179, 18781), (184, 18799), (Start: 196 @18832 has 7 MA's), (210, 18862), (227, 18907), (234, 18925), (266, 18997), (Start: 268 @19003 has 11 MA's), (283, 19033), (286, 19036), (306, 19099), (310, 19111), (373, 19246), (383, 19264), (395, 19294), (399, 19300), (405, 19318), (418, 19348), (434, 19387), (515, 19513), (542, 19576), (612, 19777), (630, 19831), (645, 19876), (668, 19921), (681, 19945), (693, 19978), (706, 20011), (742, 20083), (745, 20095), (759, 20146), (760, 20152), (798, 20254), (834, 20380), (843, 20401),

Gene: Y2_24 Start: 18637, Stop: 20409, Start Num: 99

Candidate Starts for Y2_24:

(Start: 62 @18583 has 1 MA's), (Start: 75 @18613 has 25 MA's), (Start: 78 @18619 has 41 MA's), (Start: 79 @18622 has 139 MA's), (Start: 99 @18637 has 4 MA's), (129, 18679), (154, 18727), (Start: 175 @18766 has 47 MA's), (179, 18781), (184, 18799), (Start: 196 @18832 has 7 MA's), (210, 18862), (227, 18907), (234, 18925), (266, 18997), (Start: 268 @19003 has 11 MA's), (283, 19033), (286, 19036), (306, 19099), (310, 19111), (373, 19246), (383, 19264), (395, 19294), (399, 19300), (405, 19318), (418, 19348), (434, 19387), (515, 19513), (542, 19576), (612, 19777), (630, 19831), (645, 19876), (668, 19921), (681, 19945), (693, 19978), (706, 20011), (742, 20083), (745, 20095), (759, 20146), (760, 20152), (798, 20254), (834, 20380), (843, 20401),

Gene: YassJohnny_25 Start: 20345, Stop: 21940, Start Num: 147

Candidate Starts for YassJohnny_25:

(Start: 94 @20261 has 79 MA's), (Start: 147 @20345 has 45 MA's), (Start: 183 @20423 has 1 MA's), (227, 20510), (233, 20525), (257, 20573), (271, 20612), (306, 20699), (321, 20732), (342, 20768), (354, 20798), (356, 20804), (400, 20873), (424, 20903), (428, 20915), (429, 20918), (456, 20975), (517, 21107), (520, 21113), (547, 21179), (549, 21185), (556, 21209), (573, 21257), (584, 21281), (589, 21290), (616, 21365), (671, 21416), (678, 21431), (736, 21593), (742, 21620), (751, 21650), (780, 21755), (815, 21833), (822, 21869), (824, 21878), (833, 21911), (838, 21926),

Gene: Yecey3_29 Start: 19844, Stop: 21634, Start Num: 108

Candidate Starts for Yecey3_29:

(Start: 105 @19841 has 8 MA's), (Start: 108 @19844 has 545 MA's), (173, 19943), (208, 20042), (233, 20081), (262, 20153), (264, 20156), (289, 20210), (292, 20216), (306, 20267), (318, 20294), (338, 20327), (373, 20414), (412, 20495), (413, 20498), (441, 20558), (500, 20660), (540, 20747), (551, 20771), (563, 20810), (597, 20891), (601, 20906), (662, 21071), (665, 21080), (681, 21119), (698, 21167), (710, 21191), (724, 21227), (735, 21266), (736, 21269), (738, 21281), (747, 21314), (760, 21365), (780, 21431), (792, 21470), (794, 21476),

Gene: Yeet412_17 Start: 14751, Stop: 16460, Start Num: 195

Candidate Starts for Yeet412_17:

(140, 14616), (Start: 195 @14751 has 39 MA's), (269, 14940), (270, 14943), (301, 15018), (328, 15072), (359, 15141), (363, 15153), (405, 15231), (406, 15234), (462, 15366), (487, 15420), (503, 15471), (516, 15501), (541, 15561), (546, 15573), (564, 15609), (604, 15726), (610, 15744), (625, 15783), (655, 15879), (701, 15987), (785, 16263), (787, 16266), (797, 16314), (810, 16344),

Gene: Yeezy_20 Start: 17119, Stop: 18717, Start Num: 194

Candidate Starts for Yeezy_20:

(Start: 194 @17119 has 87 MA's), (310, 17377), (319, 17395), (321, 17398), (351, 17452), (381, 17527), (413, 17596), (423, 17605), (427, 17617), (431, 17629), (451, 17668), (459, 17695), (462, 17704), (463, 17707), (518, 17740), (541, 17797), (564, 17863), (602, 17974), (623, 18034), (655, 18136), (682, 18193), (716, 18283), (787, 18523), (810, 18601),

Gene: Yndexa_43 Start: 29457, Stop: 31073, Start Num: 194

Candidate Starts for Yndexa_43:

(Start: 194 @29457 has 87 MA's), (Start: 197 @29466 has 1 MA's), (Start: 198 @29469 has 1 MA's), (Start: 209 @29493 has 1 MA's), (243, 29571), (319, 29754), (351, 29811), (353, 29823), (359, 29838), (401, 29904), (405, 29919), (419, 29943), (457, 30030), (460, 30036), (469, 30060), (499, 30120), (510, 30150), (521, 30171), (565, 30276), (570, 30297), (604, 30384), (622, 30432), (669, 30558), (683, 30594), (744, 30759), (750, 30777), (759, 30813), (820, 30987), (822, 30999), (838, 31056),

Gene: YoSam321_27 Start: 19824, Stop: 21602, Start Num: 108

Candidate Starts for YoSam321_27:

(Start: 90 @19800 has 8 MA's), (Start: 108 @19824 has 545 MA's), (Start: 146 @19881 has 1 MA's), (Start: 175 @19935 has 47 MA's), (179, 19950), (184, 19968), (227, 20052), (232, 20064), (233, 20067), (264, 20142), (Start: 268 @20157 has 11 MA's), (289, 20196), (338, 20313), (373, 20400), (412, 20481), (435, 20529), (449, 20553), (495, 20640), (522, 20685), (551, 20757), (556, 20778), (563, 20796), (597, 20877), (628, 20970), (630, 20979), (637, 21003), (639, 21009), (647, 21033), (681, 21087), (689, 21108), (710, 21159), (719, 21183), (736, 21237), (760, 21333), (792, 21438), (795, 21453), (828, 21561), (833, 21579),

Gene: Yogi_23 Start: 16323, Stop: 17948, Start Num: 130

Candidate Starts for Yogi_23:

(Start: 120 @16308 has 4 MA's), (Start: 130 @16323 has 32 MA's), (169, 16392), (181, 16428), (264, 16614), (313, 16743), (338, 16785), (351, 16812), (358, 16836), (365, 16854), (392, 16884), (395, 16899), (413, 16950), (456, 17034), (540, 17151), (551, 17175), (596, 17289), (611, 17337), (623, 17367), (633, 17406), (637, 17418), (669, 17448), (698, 17526), (757, 17673), (763, 17697), (774, 17733), (788, 17772), (838, 17940),

Gene: Yokurt_31 Start: 19971, Stop: 21743, Start Num: 108

Candidate Starts for Yokurt_31:

(65, 19905), (Start: 90 @19947 has 8 MA's), (Start: 108 @19971 has 545 MA's), (233, 20208), (262, 20280), (264, 20283), (Start: 268 @20298 has 11 MA's), (289, 20337), (292, 20343), (338, 20454), (341, 20460), (356, 20499), (373, 20541), (399, 20580), (412, 20622), (413, 20625), (495, 20781), (557, 20922), (563, 20937), (639, 21150), (689, 21249), (698, 21276), (720, 21327), (724, 21336), (735, 21375), (738, 21390), (760, 21474), (792, 21579), (794, 21585), (833, 21720),

Gene: Yoncess_23 Start: 16323, Stop: 17948, Start Num: 130

Candidate Starts for Yoncess_23:

(Start: 120 @16308 has 4 MA's), (Start: 130 @16323 has 32 MA's), (153, 16365), (169, 16392), (181, 16428), (264, 16614), (313, 16743), (338, 16785), (351, 16812), (358, 16836), (365, 16854), (392, 16884), (395, 16899), (413, 16950), (456, 17034), (540, 17151), (551, 17175), (596, 17289), (611, 17337), (623, 17367), (633, 17406), (637, 17418), (669, 17448), (698, 17526), (757, 17673), (763, 17697), (774, 17733), (788, 17772), (838, 17940),

Gene: Yorick_16 Start: 14811, Stop: 16520, Start Num: 87

Candidate Starts for Yorick_16:

(Start: 87 @14811 has 207 MA's), (150, 14898), (Start: 175 @14943 has 47 MA's), (182, 14967), (230, 15072), (233, 15078), (242, 15096), (257, 15126), (300, 15231), (320, 15285), (323, 15291), (329, 15300), (342, 15321), (352, 15345), (365, 15381), (368, 15387), (396, 15420), (398, 15423), (402, 15432), (408, 15447), (410, 15453), (420, 15471), (427, 15486), (429, 15492), (435, 15510), (436, 15513), (445, 15528), (455, 15543), (456, 15549), (474, 15597), (480, 15609), (484, 15615), (515, 15675), (522, 15687), (538, 15723), (541, 15735), (571, 15810), (573, 15819), (581, 15837), (584, 15843), (596, 15873), (667, 15978), (673, 15990), (687, 16026), (716, 16104), (751, 16224), (759, 16257), (768, 16287), (771, 16299), (776, 16317), (778, 16323), (779, 16326), (781, 16332), (792, 16347), (793, 16350), (798, 16371), (800, 16374), (817, 16416), (822, 16446), (833, 16488), (834,

16494),

Gene: Youngblood_24 Start: 19998, Stop: 21593, Start Num: 147

Candidate Starts for Youngblood_24:

(Start: 94 @19914 has 79 MA's), (Start: 147 @19998 has 45 MA's), (Start: 183 @20076 has 1 MA's), (227, 20163), (233, 20178), (257, 20226), (271, 20265), (306, 20352), (321, 20385), (342, 20421), (354, 20451), (356, 20457), (400, 20526), (424, 20556), (428, 20568), (429, 20571), (456, 20628), (517, 20760), (520, 20766), (547, 20832), (549, 20838), (556, 20862), (573, 20910), (584, 20934), (589, 20943), (616, 21018), (671, 21069), (678, 21084), (736, 21246), (742, 21273), (751, 21303), (780, 21408), (815, 21486), (822, 21522), (824, 21531), (833, 21564), (838, 21579),

Gene: YoureAdopted_22 Start: 17124, Stop: 18890, Start Num: 79

Candidate Starts for YoureAdopted_22:

(Start: 79 @17124 has 139 MA's), (101, 17154), (184, 17313), (Start: 196 @17346 has 7 MA's), (210, 17376), (221, 17409), (227, 17421), (266, 17511), (288, 17553), (310, 17625), (315, 17634), (338, 17673), (356, 17718), (363, 17739), (365, 17742), (393, 17796), (399, 17814), (412, 17856), (418, 17862), (430, 17889), (515, 18027), (525, 18045), (541, 18087), (548, 18105), (558, 18135), (573, 18162), (612, 18267), (681, 18426), (694, 18462), (706, 18492), (718, 18501), (745, 18576), (759, 18627), (824, 18822), (834, 18861), (835, 18864), (843, 18882),

Gene: Yuna_24 Start: 16985, Stop: 18808, Start Num: 56

Candidate Starts for Yuna_24:

(Start: 56 @16985 has 1 MA's), (64, 17015), (122, 17099), (Start: 175 @17198 has 47 MA's), (179, 17213), (184, 17231), (Start: 196 @17264 has 7 MA's), (227, 17339), (266, 17429), (283, 17465), (315, 17552), (338, 17591), (356, 17636), (365, 17660), (383, 17696), (384, 17699), (393, 17714), (399, 17732), (410, 17768), (418, 17780), (430, 17807), (525, 17963), (548, 18023), (593, 18125), (612, 18185), (636, 18260), (645, 18284), (681, 18344), (694, 18380), (701, 18398), (718, 18419), (745, 18494), (759, 18545), (760, 18551), (769, 18572), (834, 18779), (835, 18782), (843, 18800),

Gene: YungJamal_61 Start: 34927, Stop: 36663, Start Num: 74

Candidate Starts for YungJamal_61:

(Start: 69 @34918 has 2 MA's), (Start: 74 @34927 has 26 MA's), (134, 35017), (187, 35134), (203, 35170), (214, 35191), (230, 35218), (233, 35224), (249, 35254), (261, 35278), (281, 35329), (342, 35467), (344, 35473), (363, 35524), (365, 35527), (374, 35545), (420, 35596), (429, 35617), (430, 35620), (455, 35668), (456, 35674), (474, 35722), (477, 35728), (480, 35734), (504, 35794), (515, 35818), (517, 35821), (538, 35866), (542, 35881), (546, 35890), (549, 35899), (564, 35944), (573, 35962), (589, 35995), (673, 36133), (680, 36154), (706, 36220), (717, 36250), (734, 36304), (744, 36346), (751, 36367), (755, 36388), (759, 36400), (765, 36421), (781, 36475), (815, 36553), (822, 36589), (827, 36610), (834, 36637),

Gene: Yunkel11_23 Start: 16380, Stop: 18146, Start Num: 79

Candidate Starts for Yunkel11_23:

(Start: 79 @16380 has 139 MA's), (Start: 81 @16386 has 15 MA's), (101, 16410), (184, 16569), (Start: 196 @16602 has 7 MA's), (210, 16632), (212, 16635), (221, 16665), (227, 16677), (266, 16767), (288, 16809), (310, 16881), (315, 16890), (338, 16929), (356, 16974), (363, 16995), (365, 16998), (399, 17070), (412, 17112), (418, 17118), (430, 17145), (515, 17283), (525, 17301), (541, 17343), (548, 17361), (558, 17391), (612, 17523), (641, 17613), (694, 17718), (706, 17748), (745, 17832), (759, 17883), (795, 17982), (824, 18078), (834, 18117), (835, 18120), (843, 18138),

Gene: Yvonnetastic_45 Start: 30515, Stop: 32209, Start Num: 106

Candidate Starts for Yvonnetastic_45:

(Start: 106 @30515 has 2 MA's), (144, 30581), (Start: 147 @30587 has 45 MA's), (176, 30644), (244, 30803), (251, 30815), (301, 30941), (319, 30989), (427, 31139), (453, 31190), (456, 31202), (458,

31208), (522, 31349), (529, 31364), (587, 31523), (625, 31631), (711, 31760), (713, 31766), (715, 31775), (736, 31838), (745, 31877), (748, 31886), (760, 31934), (783, 32009), (812, 32069), (823, 32117), (830, 32144), (832, 32153), (833, 32156),

Gene: Zabiza_23 Start: 17155, Stop: 18921, Start Num: 79

Candidate Starts for Zabiza_23:

(Start: 79 @17155 has 139 MA's), (101, 17185), (184, 17344), (Start: 196 @17377 has 7 MA's), (210, 17407), (221, 17440), (227, 17452), (266, 17542), (288, 17584), (310, 17656), (315, 17665), (338, 17704), (356, 17749), (363, 17770), (365, 17773), (393, 17827), (399, 17845), (412, 17887), (418, 17893), (430, 17920), (515, 18058), (525, 18076), (541, 18118), (548, 18136), (558, 18166), (573, 18193), (612, 18298), (681, 18457), (694, 18493), (706, 18523), (718, 18532), (745, 18607), (759, 18658), (795, 18757), (824, 18853), (834, 18892), (835, 18895), (843, 18913),

Gene: Zaka_31 Start: 19971, Stop: 21743, Start Num: 108

Candidate Starts for Zaka_31:

(65, 19905), (Start: 90 @19947 has 8 MA's), (Start: 108 @19971 has 545 MA's), (233, 20208), (262, 20280), (264, 20283), (Start: 268 @20298 has 11 MA's), (289, 20337), (292, 20343), (338, 20454), (341, 20460), (356, 20499), (373, 20541), (399, 20580), (412, 20622), (413, 20625), (495, 20781), (557, 20922), (563, 20937), (639, 21150), (689, 21249), (698, 21276), (720, 21327), (724, 21336), (735, 21375), (738, 21390), (760, 21474), (792, 21579), (794, 21585), (833, 21720),

Gene: Zakhe101_56 Start: 33573, Stop: 35309, Start Num: 74

Candidate Starts for Zakhe101_56:

(Start: 69 @33564 has 2 MA's), (Start: 74 @33573 has 26 MA's), (134, 33663), (187, 33780), (203, 33816), (214, 33837), (230, 33864), (233, 33870), (249, 33900), (261, 33924), (281, 33975), (342, 34113), (344, 34119), (363, 34170), (365, 34173), (374, 34191), (420, 34242), (429, 34263), (430, 34266), (445, 34299), (455, 34314), (456, 34320), (474, 34368), (477, 34374), (480, 34380), (504, 34440), (515, 34464), (517, 34467), (538, 34512), (542, 34527), (546, 34536), (549, 34545), (564, 34590), (573, 34608), (589, 34641), (673, 34779), (680, 34800), (706, 34866), (717, 34896), (734, 34950), (744, 34992), (751, 35013), (755, 35034), (759, 35046), (765, 35067), (781, 35121), (815, 35199), (822, 35235), (827, 35256), (834, 35283),

Gene: Zameen_19 Start: 17773, Stop: 19371, Start Num: 194

Candidate Starts for Zameen_19:

(Start: 194 @17773 has 87 MA's), (307, 18022), (310, 18031), (319, 18049), (321, 18052), (351, 18106), (381, 18181), (413, 18250), (423, 18259), (427, 18271), (451, 18322), (459, 18349), (462, 18358), (463, 18361), (516, 18391), (518, 18394), (541, 18451), (564, 18517), (591, 18595), (602, 18628), (610, 18652), (623, 18688), (655, 18790), (682, 18847), (698, 18892), (701, 18898), (716, 18937), (787, 19177), (810, 19255),

Gene: Zarbodnamra_19 Start: 16649, Stop: 18295, Start Num: 175

Candidate Starts for Zarbodnamra_19:

(156, 16613), (Start: 175 @16649 has 47 MA's), (213, 16751), (250, 16823), (253, 16829), (254, 16832), (294, 16928), (304, 16967), (336, 17027), (345, 17048), (364, 17102), (370, 17117), (456, 17288), (466, 17318), (549, 17501), (556, 17525), (571, 17576), (604, 17669), (608, 17681), (626, 17726), (661, 17741), (712, 17873), (713, 17876), (742, 17975), (747, 17993), (760, 18044), (778, 18104), (780, 18110), (808, 18173), (813, 18185),

Gene: Zavala_23 Start: 17129, Stop: 18895, Start Num: 79

Candidate Starts for Zavala_23:

(Start: 79 @17129 has 139 MA's), (101, 17159), (184, 17318), (Start: 196 @17351 has 7 MA's), (210, 17381), (221, 17414), (227, 17426), (266, 17516), (288, 17558), (310, 17630), (315, 17639), (338, 17678), (356, 17723), (363, 17744), (365, 17747), (393, 17801), (399, 17819), (412, 17861), (418,

17867), (430, 17894), (468, 17981), (515, 18032), (525, 18050), (541, 18092), (548, 18110), (558, 18140), (573, 18167), (612, 18272), (681, 18431), (694, 18467), (706, 18497), (718, 18506), (745, 18581), (759, 18632), (824, 18827), (834, 18866), (835, 18869), (843, 18887),

Gene: Zebo_55 Start: 33478, Stop: 35214, Start Num: 74

Candidate Starts for Zebo_55:

(Start: 69 @33469 has 2 MA's), (Start: 74 @33478 has 26 MA's), (134, 33568), (187, 33685), (203, 33721), (214, 33742), (230, 33769), (233, 33775), (261, 33829), (281, 33880), (342, 34018), (344, 34024), (363, 34075), (365, 34078), (374, 34096), (420, 34147), (429, 34168), (430, 34171), (455, 34219), (456, 34225), (474, 34273), (477, 34279), (480, 34285), (504, 34345), (515, 34369), (517, 34372), (538, 34417), (542, 34432), (546, 34441), (549, 34450), (564, 34495), (573, 34513), (589, 34546), (673, 34684), (680, 34705), (706, 34771), (717, 34801), (734, 34855), (744, 34897), (751, 34918), (755, 34939), (759, 34951), (765, 34972), (781, 35026), (815, 35104), (822, 35140), (827, 35161), (834, 35188),

Gene: Zeeculate_27 Start: 21795, Stop: 23597, Start Num: 109

Candidate Starts for Zeeculate_27:

(Start: 109 @21795 has 207 MA's), (Start: 124 @21816 has 4 MA's), (Start: 146 @21858 has 1 MA's), (171, 21903), (264, 22119), (283, 22164), (289, 22173), (301, 22212), (321, 22263), (322, 22266), (413, 22461), (449, 22530), (549, 22731), (551, 22734), (556, 22755), (596, 22851), (597, 22854), (599, 22860), (623, 22929), (628, 22947), (630, 22956), (639, 22986), (681, 23082), (693, 23115), (698, 23130), (745, 23271), (760, 23328), (794, 23439),

Gene: Zelink_38 Start: 28415, Stop: 30413, Start Num: 89

Candidate Starts for Zelink_38:

(Start: 89 @28415 has 30 MA's), (Start: 147 @28505 has 45 MA's), (172, 28553), (182, 28583), (193, 28610), (244, 28712), (259, 28742), (298, 28841), (309, 28877), (310, 28883), (321, 28904), (356, 28976), (359, 28985), (368, 29006), (429, 29114), (430, 29117), (435, 29132), (456, 29171), (474, 29219), (480, 29231), (484, 29237), (507, 29294), (517, 29315), (526, 29333), (545, 29381), (581, 29483), (610, 29555), (627, 29600), (629, 29612), (656, 29747), (657, 29753), (658, 29777), (659, 29849), (665, 29876), (752, 30125),

Gene: Zephyr_27 Start: 21215, Stop: 23017, Start Num: 109

Candidate Starts for Zephyr_27:

(Start: 109 @21215 has 207 MA's), (Start: 124 @21236 has 4 MA's), (Start: 146 @21278 has 1 MA's), (171, 21323), (264, 21539), (283, 21584), (289, 21593), (301, 21632), (321, 21683), (322, 21686), (343, 21722), (365, 21779), (413, 21881), (449, 21950), (549, 22151), (551, 22154), (556, 22175), (596, 22271), (597, 22274), (599, 22280), (623, 22349), (628, 22367), (630, 22376), (639, 22406), (681, 22502), (693, 22535), (698, 22550), (745, 22691), (760, 22748), (794, 22859),

Gene: Zerg_16 Start: 14774, Stop: 16483, Start Num: 87

Candidate Starts for Zerg_16:

(Start: 87 @14774 has 207 MA's), (150, 14861), (182, 14930), (187, 14951), (203, 14987), (230, 15035), (233, 15041), (242, 15059), (257, 15089), (300, 15194), (323, 15254), (329, 15263), (338, 15275), (342, 15284), (352, 15308), (396, 15383), (408, 15410), (410, 15416), (420, 15434), (427, 15449), (429, 15455), (445, 15491), (455, 15506), (456, 15512), (474, 15560), (480, 15572), (484, 15578), (515, 15638), (522, 15650), (538, 15686), (541, 15698), (571, 15773), (573, 15782), (581, 15800), (584, 15806), (596, 15836), (667, 15941), (673, 15953), (687, 15989), (716, 16067), (744, 16166), (751, 16187), (759, 16220), (768, 16250), (776, 16280), (779, 16289), (781, 16295), (792, 16310), (793, 16313), (800, 16337), (817, 16379), (822, 16409), (833, 16451),

Gene: Zetzy_28 Start: 19913, Stop: 21709, Start Num: 108

Candidate Starts for Zetzy_28:

(Start: 108 @19913 has 545 MA's), (Start: 146 @19970 has 1 MA's), (154, 19985), (173, 20018), (179, 20039), (Start: 183 @20054 has 1 MA's), (227, 20141), (232, 20153), (233, 20156), (264, 20231), (Start: 268 @20246 has 11 MA's), (288, 20282), (373, 20489), (449, 20642), (495, 20729), (549, 20843), (556, 20867), (563, 20885), (597, 20966), (623, 21041), (628, 21059), (637, 21092), (639, 21098), (653, 21137), (680, 21191), (681, 21194), (689, 21215), (713, 21272), (760, 21440), (792, 21545), (794, 21551), (833, 21686),

Gene: Zeuska_28 Start: 21670, Stop: 23451, Start Num: 124

Candidate Starts for Zeuska_28:

(Start: 109 @21649 has 207 MA's), (Start: 124 @21670 has 4 MA's), (Start: 146 @21712 has 1 MA's), (171, 21757), (264, 21973), (283, 22018), (289, 22027), (301, 22066), (321, 22117), (322, 22120), (413, 22315), (449, 22384), (549, 22585), (551, 22588), (556, 22609), (596, 22705), (597, 22708), (599, 22714), (623, 22783), (628, 22801), (630, 22810), (639, 22840), (681, 22936), (693, 22969), (698, 22984), (745, 23125), (760, 23182), (794, 23293),

Gene: ZiggyZoo_18 Start: 16440, Stop: 18086, Start Num: 175

Candidate Starts for ZiggyZoo_18:

(156, 16404), (Start: 175 @16440 has 47 MA's), (213, 16542), (253, 16620), (254, 16623), (294, 16719), (304, 16758), (336, 16818), (345, 16839), (364, 16893), (370, 16908), (456, 17079), (466, 17109), (549, 17292), (556, 17316), (571, 17367), (604, 17460), (608, 17472), (626, 17517), (661, 17532), (712, 17664), (713, 17667), (742, 17766), (747, 17784), (760, 17835), (780, 17901), (808, 17964), (813, 17976),

Gene: Zilizebeth_19 Start: 16385, Stop: 18121, Start Num: 82

Candidate Starts for Zilizebeth_19:

(Start: 71 @16361 has 2 MA's), (Start: 82 @16385 has 44 MA's), (128, 16445), (136, 16466), (138, 16469), (Start: 195 @16589 has 39 MA's), (213, 16628), (232, 16661), (244, 16685), (296, 16805), (306, 16844), (309, 16850), (351, 16934), (352, 16940), (356, 16952), (365, 16976), (379, 17003), (400, 17021), (417, 17060), (420, 17066), (430, 17090), (456, 17144), (461, 17156), (463, 17165), (490, 17225), (526, 17303), (541, 17342), (554, 17375), (573, 17441), (578, 17456), (584, 17465), (594, 17489), (605, 17519), (610, 17531), (682, 17633), (689, 17645), (691, 17648), (692, 17654), (695, 17663), (734, 17771), (755, 17855), (787, 17954), (824, 18062), (838, 18110),

Gene: Zimmer_30 Start: 22382, Stop: 24154, Start Num: 108

Candidate Starts for Zimmer_30:

(65, 22316), (Start: 90 @22358 has 8 MA's), (Start: 97 @22367 has 44 MA's), (Start: 108 @22382 has 545 MA's), (189, 22535), (232, 22616), (233, 22619), (262, 22691), (264, 22694), (269, 22712), (289, 22748), (292, 22754), (338, 22865), (373, 22952), (412, 23033), (413, 23036), (449, 23105), (495, 23192), (563, 23348), (597, 23429), (601, 23444), (693, 23672), (698, 23687), (710, 23711), (735, 23786), (738, 23801), (747, 23834), (760, 23885), (792, 23990), (833, 24131),

Gene: Zion_34 Start: 29327, Stop: 30925, Start Num: 195

Candidate Starts for Zion_34:

(Start: 195 @29327 has 39 MA's), (246, 29426), (272, 29495), (292, 29534), (350, 29669), (371, 29729), (460, 29882), (464, 29894), (467, 29903), (469, 29906), (493, 29951), (499, 29966), (502, 29975), (505, 29984), (532, 30038), (538, 30056), (563, 30110), (635, 30326), (677, 30419), (724, 30527), (738, 30581), (758, 30656), (801, 30785), (837, 30911),

Gene: Zipp_34 Start: 30844, Stop: 32466, Start Num: 123

Candidate Starts for Zipp_34:

(Start: 84 @30787 has 1 MA's), (Start: 123 @30844 has 17 MA's), (136, 30865), (173, 30928), (Start: 195 @30991 has 39 MA's), (227, 31051), (232, 31063), (266, 31150), (292, 31201), (338, 31312), (351, 31339), (355, 31354), (430, 31438), (443, 31468), (451, 31477), (463, 31513), (490, 31573), (515,

31621), (520, 31630), (558, 31729), (575, 31768), (581, 31780), (623, 31897), (673, 31936), (688, 31975), (711, 32032), (725, 32071), (727, 32080), (740, 32137), (743, 32149), (759, 32206), (760, 32212), (766, 32233), (776, 32266), (795, 32311), (833, 32440), (835, 32449),

Gene: Zirinka_19 Start: 17776, Stop: 19374, Start Num: 194

Candidate Starts for Zirinka_19:

(Start: 194 @17776 has 87 MA's), (307, 18025), (310, 18034), (319, 18052), (321, 18055), (351, 18109), (381, 18184), (413, 18253), (423, 18262), (427, 18274), (431, 18286), (451, 18325), (459, 18352), (462, 18361), (463, 18364), (518, 18397), (541, 18454), (564, 18520), (602, 18631), (623, 18691), (655, 18793), (682, 18850), (716, 18940), (787, 19180), (810, 19258),

Gene: Zitch_36 Start: 28728, Stop: 30350, Start Num: 123

Candidate Starts for Zitch_36:

(Start: 123 @28728 has 17 MA's), (136, 28749), (144, 28761), (173, 28812), (184, 28851), (Start: 195 @28875 has 39 MA's), (232, 28947), (266, 29034), (292, 29085), (300, 29115), (338, 29196), (351, 29223), (428, 29316), (443, 29352), (451, 29361), (462, 29394), (463, 29397), (490, 29457), (515, 29505), (520, 29514), (558, 29613), (575, 29652), (581, 29664), (623, 29781), (673, 29820), (688, 29859), (711, 29916), (725, 29955), (727, 29964), (740, 30021), (743, 30033), (756, 30081), (759, 30090), (760, 30096), (766, 30117), (776, 30150), (795, 30195), (815, 30246), (833, 30324), (835, 30333),

Gene: Zizzle_16 Start: 14782, Stop: 16491, Start Num: 87

Candidate Starts for Zizzle_16:

(Start: 87 @14782 has 207 MA's), (150, 14869), (Start: 175 @14914 has 47 MA's), (182, 14938), (230, 15043), (233, 15049), (242, 15067), (257, 15097), (300, 15202), (320, 15256), (323, 15262), (329, 15271), (342, 15292), (352, 15316), (365, 15352), (368, 15358), (396, 15391), (398, 15394), (402, 15403), (408, 15418), (410, 15424), (420, 15442), (427, 15457), (429, 15463), (435, 15481), (436, 15484), (445, 15499), (455, 15514), (456, 15520), (474, 15568), (480, 15580), (484, 15586), (515, 15646), (522, 15658), (538, 15694), (541, 15706), (571, 15781), (573, 15790), (581, 15808), (584, 15814), (596, 15844), (667, 15949), (673, 15961), (687, 15997), (716, 16075), (751, 16195), (759, 16228), (768, 16258), (771, 16270), (776, 16288), (778, 16294), (779, 16297), (781, 16303), (792, 16318), (793, 16321), (798, 16342), (800, 16345), (817, 16387), (822, 16417), (833, 16459), (834, 16465),

Gene: ZoMa_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for ZoMa_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Zodiariah_18 Start: 16157, Stop: 17863, Start Num: 126

Candidate Starts for Zodiariah_18:

(95, 16118), (107, 16133), (Start: 126 @16157 has 16 MA's), (Start: 132 @16169 has 1 MA's), (139, 16184), (208, 16343), (228, 16397), (235, 16418), (310, 16604), (381, 16745), (395, 16775), (401, 16784), (403, 16790), (558, 17099), (609, 17228), (610, 17231), (623, 17264), (693, 17432), (695, 17438), (742, 17537), (760, 17606), (795, 17699), (843, 17855),

Gene: ZoeJ_19 Start: 14954, Stop: 16723, Start Num: 78

Candidate Starts for ZoeJ_19:

(Start: 62 @14918 has 1 MA's), (Start: 75 @14948 has 25 MA's), (Start: 78 @14954 has 41 MA's), (Start: 97 @14969 has 44 MA's), (129, 15011), (154, 15059), (Start: 175 @15098 has 47 MA's), (179, 15113), (Start: 196 @15164 has 7 MA's), (210, 15194), (221, 15227), (227, 15239), (234, 15257), (266, 15329), (Start: 268 @15335 has 11 MA's), (306, 15431), (310, 15443), (357, 15539), (399, 15632), (405, 15650), (412, 15674), (418, 15680), (434, 15719), (447, 15743), (454, 15755), (515, 15845), (520, 15854), (542, 15908), (554, 15938), (596, 16049), (612, 16100), (647, 16208), (706, 16322), (718, 16331), (745, 16406), (759, 16457), (795, 16559), (816, 16613), (834, 16694), (843, 16715),

Gene: Zolita_23 Start: 19917, Stop: 21716, Start Num: 108

Candidate Starts for Zolita_23:

(Start: 108 @19917 has 545 MA's), (184, 20055), (233, 20154), (264, 20229), (288, 20280), (310, 20352), (318, 20367), (338, 20400), (341, 20406), (389, 20499), (430, 20601), (441, 20631), (446, 20637), (495, 20727), (513, 20757), (549, 20841), (551, 20844), (563, 20883), (569, 20901), (596, 20961), (597, 20964), (628, 21057), (680, 21198), (695, 21240), (794, 21558), (833, 21693), (835, 21702),

Gene: Zombie_18 Start: 16649, Stop: 18403, Start Num: 97

Candidate Starts for Zombie_18:

(Start: 75 @16640 has 25 MA's), (Start: 97 @16649 has 44 MA's), (101, 16655), (Start: 105 @16661 has 8 MA's), (179, 16793), (Start: 196 @16844 has 7 MA's), (210, 16874), (219, 16898), (264, 17000), (279, 17039), (283, 17045), (292, 17060), (304, 17105), (359, 17225), (385, 17282), (399, 17321), (418, 17369), (430, 17396), (434, 17408), (479, 17489), (515, 17534), (597, 17732), (606, 17762), (612, 17780), (623, 17807), (648, 17891), (665, 17909), (677, 17924), (693, 17972), (698, 17987), (733, 18050), (751, 18107), (760, 18146), (776, 18188), (795, 18239), (824, 18335), (843, 18395),

Gene: Zulu_31 Start: 19970, Stop: 21742, Start Num: 108

Candidate Starts for Zulu_31:

(65, 19904), (Start: 90 @19946 has 8 MA's), (Start: 108 @19970 has 545 MA's), (233, 20207), (262, 20279), (264, 20282), (Start: 268 @20297 has 11 MA's), (289, 20336), (292, 20342), (338, 20453), (341, 20459), (356, 20498), (373, 20540), (399, 20579), (412, 20621), (413, 20624), (495, 20780), (557, 20921), (563, 20936), (639, 21149), (689, 21248), (698, 21275), (720, 21326), (724, 21335), (735, 21374), (738, 21389), (760, 21473), (792, 21578), (794, 21584), (833, 21719),

Gene: xkcd_25 Start: 19999, Stop: 21594, Start Num: 147

Candidate Starts for xkcd_25:

(Start: 94 @19915 has 79 MA's), (Start: 147 @19999 has 45 MA's), (Start: 183 @20077 has 1 MA's), (227, 20164), (233, 20179), (257, 20227), (271, 20266), (306, 20353), (321, 20386), (342, 20422), (354, 20452), (356, 20458), (400, 20527), (424, 20557), (428, 20569), (429, 20572), (456, 20629), (517, 20761), (520, 20767), (547, 20833), (549, 20839), (556, 20863), (573, 20911), (584, 20935), (589, 20944), (616, 21019), (671, 21070), (678, 21085), (736, 21247), (742, 21274), (751, 21304), (780, 21409), (815, 21487), (822, 21523), (824, 21532), (833, 21565), (838, 21580),