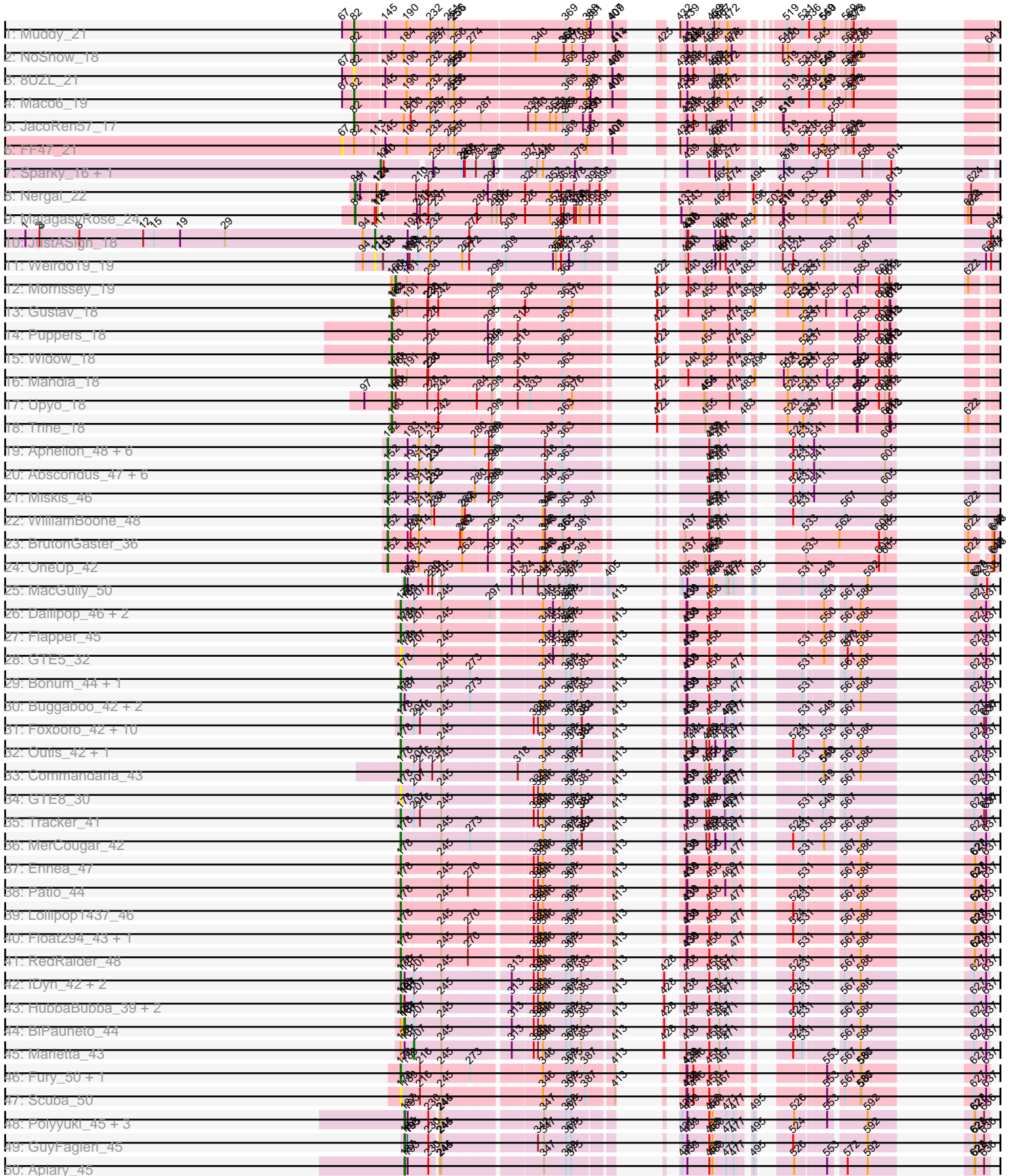
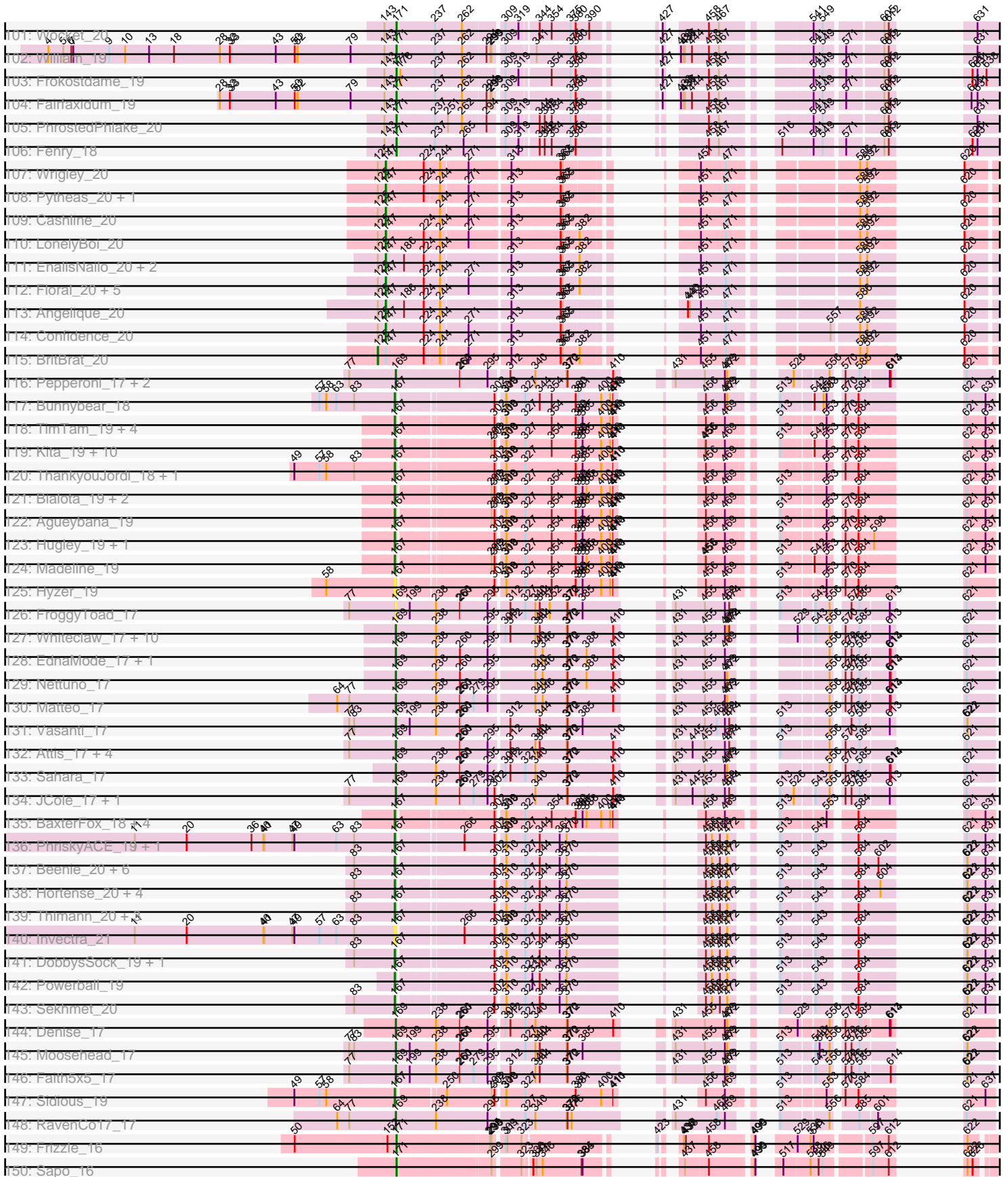


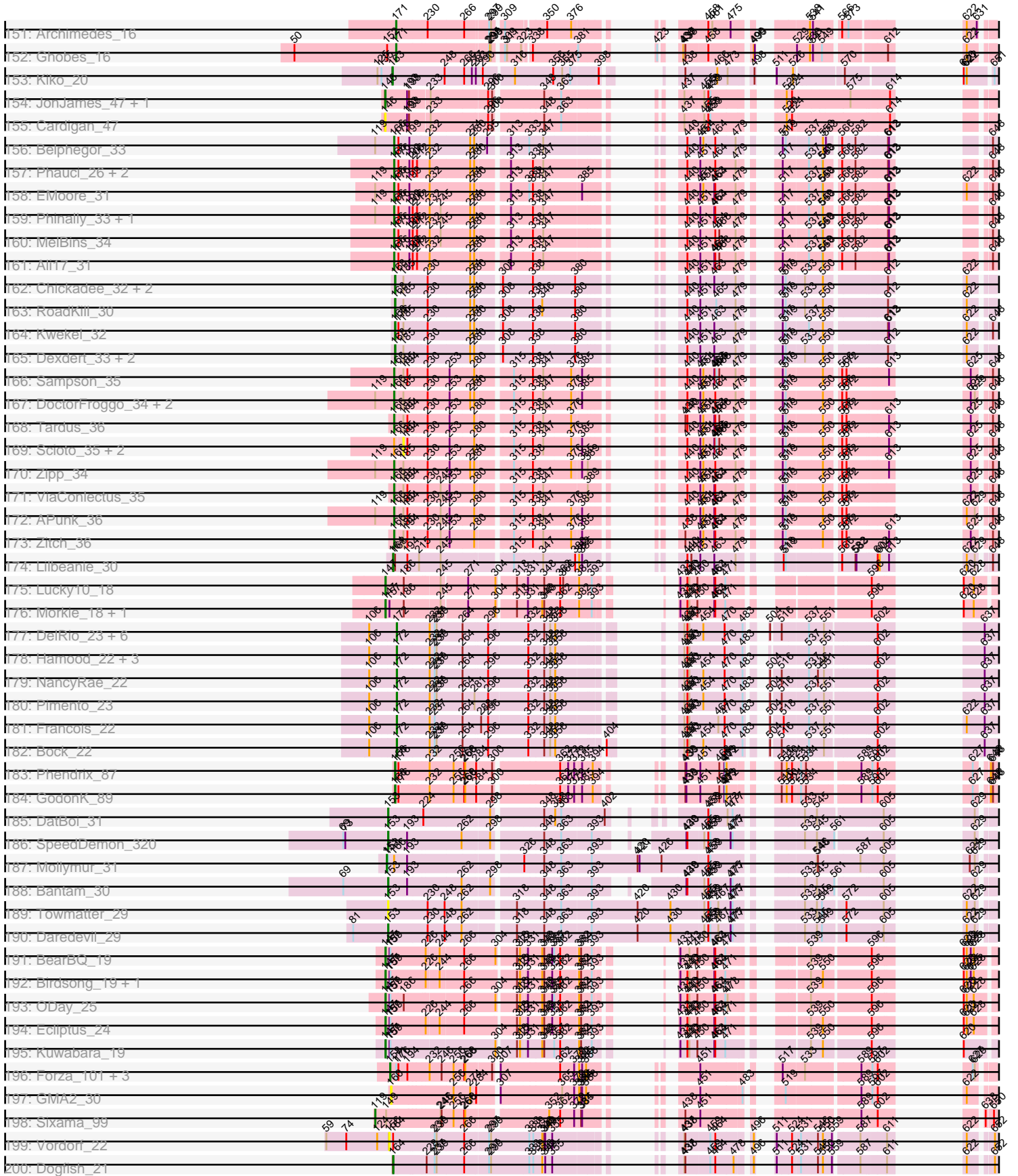
Zoomed Pham 224115



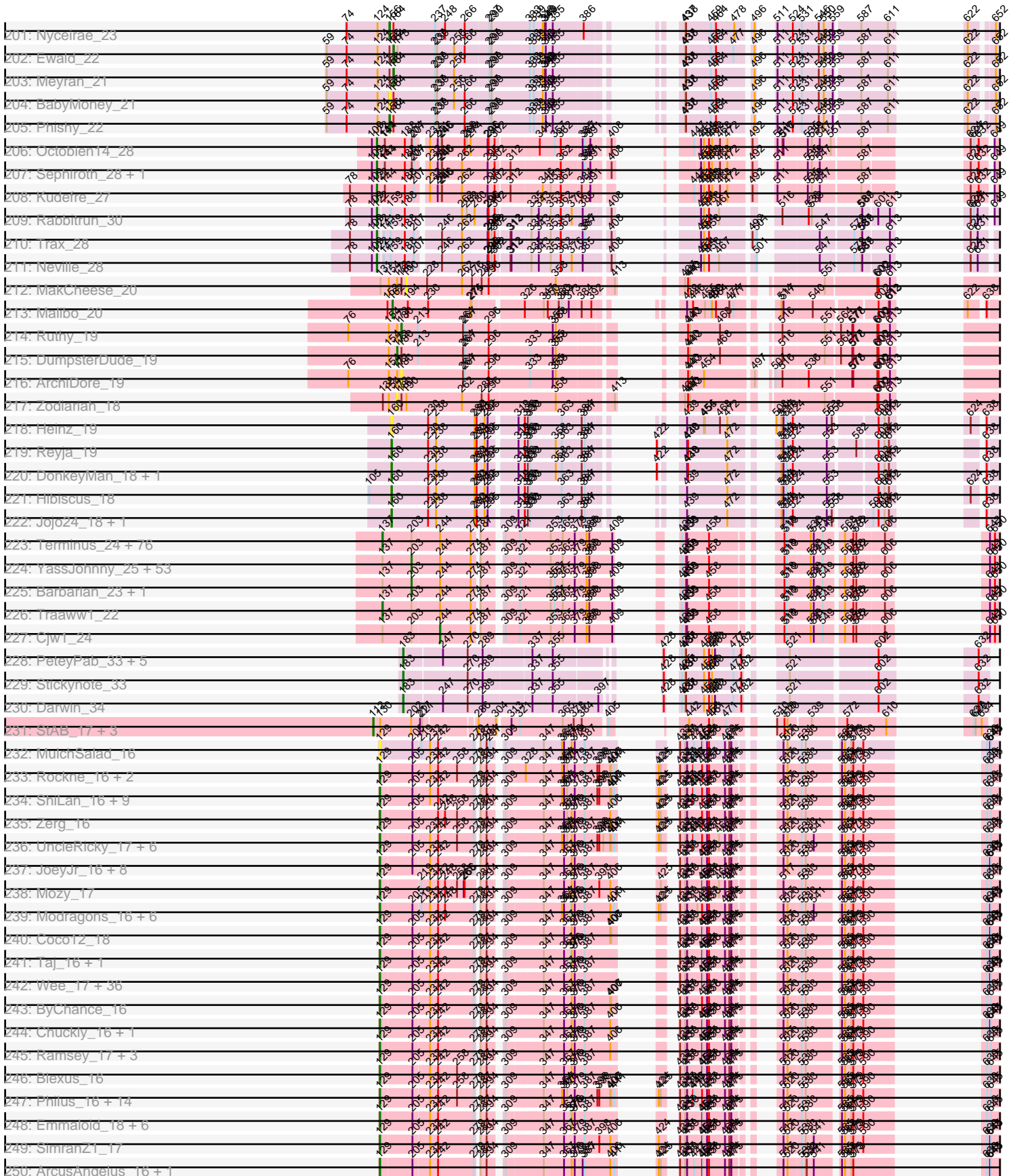
Zoomed Pham 224115



Zoomed Pham 224115



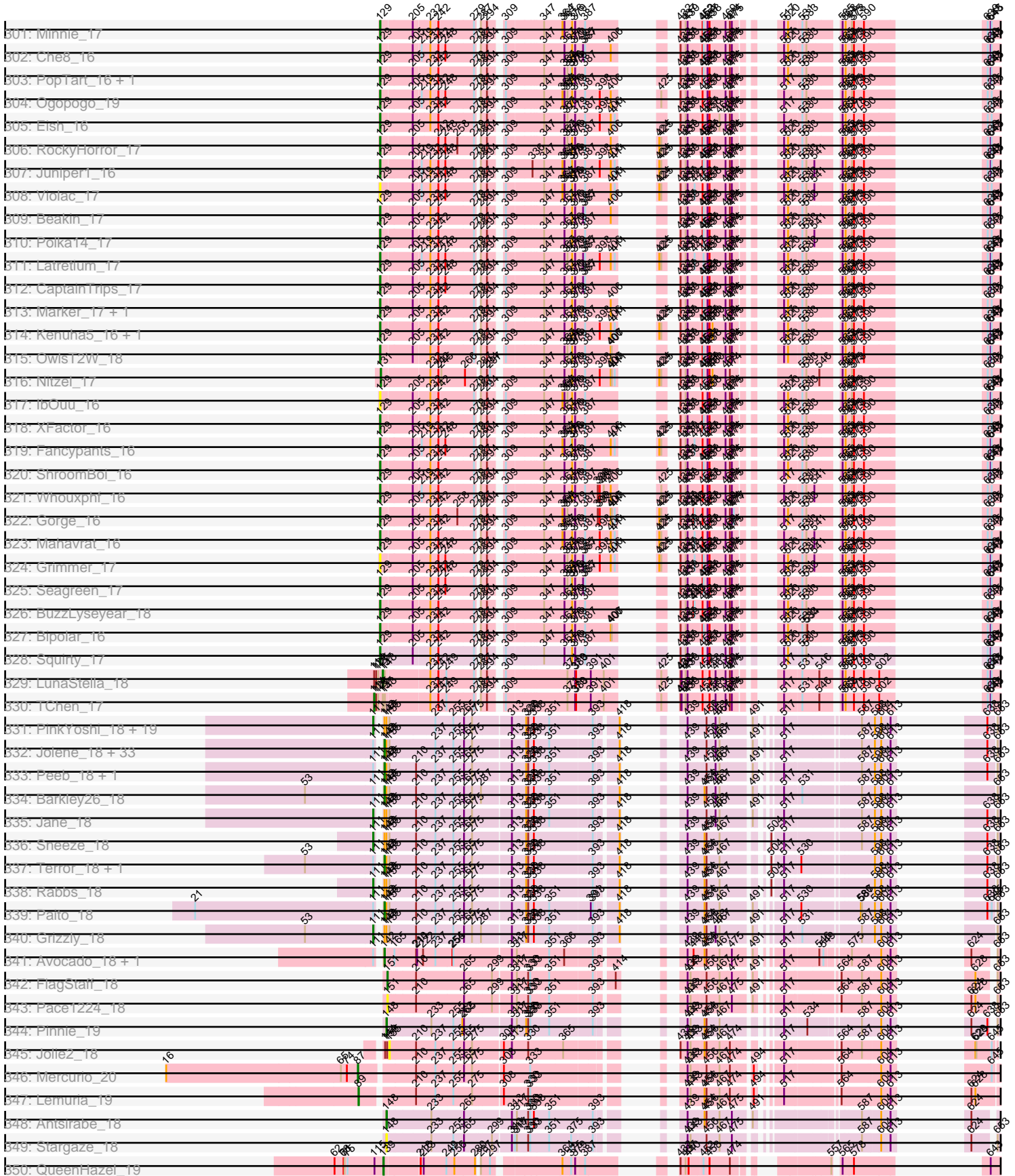
Zoomed Pham 224115



Zoomed Pham 224115

ID	Label	20	205	232	234	308	347	357	406	517	536	590
251:	Quico_17 + 2	20	205	232	234	308	347	357	406	517	536	590
252:	Oksu_17	20	205	232	234	308	347	357	406	517	536	590
253:	Phalconet_16	20	205	232	234	308	347	357	406	517	536	590
254:	GigiOuri_16	20	205	232	234	308	347	357	406	517	536	590
255:	Hamulus_16	20	205	232	234	308	347	357	406	517	536	590
256:	Velveteen_17 + 7	20	205	232	234	308	347	357	406	517	536	590
257:	Batiatus_16	20	205	232	234	308	347	357	406	517	536	590
258:	OldBen_16	20	205	232	234	308	347	357	406	517	536	590
259:	Spoonbill_16 + 3	20	205	232	234	308	347	357	406	517	536	590
260:	Ibhubesi_16 + 1	20	205	232	234	308	347	357	406	517	536	590
261:	BodEinwohner17_16 + 3	20	205	232	234	308	347	357	406	517	536	590
262:	Byougenkin_16	20	205	232	234	308	347	357	406	517	536	590
263:	Misha28_17 + 2	20	205	232	234	308	347	357	406	517	536	590
264:	Fastidio_16	20	205	232	234	308	347	357	406	517	536	590
265:	DirtyMcGin_17	20	205	232	234	308	347	357	406	517	536	590
266:	InshSherpFaik_17 + 1	20	205	232	234	308	347	357	406	517	536	590
267:	Scottish_17 + 1	20	205	232	234	308	347	357	406	517	536	590
268:	Estavel_16	20	205	232	234	308	347	357	406	517	536	590
269:	Frankie_17	20	205	232	234	308	347	357	406	517	536	590
270:	Akhila_17 + 1	20	205	232	234	308	347	357	406	517	536	590
271:	Filuzino_16 + 1	20	205	232	234	308	347	357	406	517	536	590
272:	Gandaiph_16	20	205	232	234	308	347	357	406	517	536	590
273:	ChickenDinner_17 + 2	20	205	232	234	308	347	357	406	517	536	590
274:	Boomer_17	20	205	232	234	308	347	357	406	517	536	590
275:	Rialto_18 + 1	20	205	232	234	308	347	357	406	517	536	590
276:	NormanBulbieJr_16	20	205	232	234	308	347	357	406	517	536	590
277:	Donkeykong_16	20	205	232	234	308	347	357	406	517	536	590
278:	Mutalorma13_16	20	205	232	234	308	347	357	406	517	536	590
279:	DosHalletts_17	20	205	232	234	308	347	357	406	517	536	590
280:	Plumbus_17	20	205	232	234	308	347	357	406	517	536	590
281:	DoRead_16	20	205	232	234	308	347	357	406	517	536	590
282:	DotProduct_16	20	205	232	234	308	347	357	406	517	536	590
283:	Gini_16 + 5	20	205	232	234	308	347	357	406	517	536	590
284:	Leperchaun_16 + 1	20	205	232	234	308	347	357	406	517	536	590
285:	Melissauren88_16 + 6	20	205	232	234	308	347	357	406	517	536	590
286:	Juice456_16 + 3	20	205	232	234	308	347	357	406	517	536	590
287:	DillTech15_16	20	205	232	234	308	347	357	406	517	536	590
288:	FreddyB_16	20	205	232	234	308	347	357	406	517	536	590
289:	Piper2020_17	20	205	232	234	308	347	357	406	517	536	590
290:	Sarma624_17	20	205	232	234	308	347	357	406	517	536	590
291:	Rita_16	20	205	232	234	308	347	357	406	517	536	590
292:	Aubs_16	20	205	232	234	308	347	357	406	517	536	590
293:	Madiba_17	20	205	232	234	308	347	357	406	517	536	590
294:	VRedHorse_16	20	205	232	234	308	347	357	406	517	536	590
295:	Doug_17	20	205	232	234	308	347	357	406	517	536	590
296:	RedBird_16	20	205	232	234	308	347	357	406	517	536	590
297:	Firehouse51_17	20	205	232	234	308	347	357	406	517	536	590
298:	Radiance_16 + 1	20	205	232	234	308	347	357	406	517	536	590
299:	Job42_19	20	205	232	234	308	347	357	406	517	536	590
300:	Alexphander_18	20	205	232	234	308	347	357	406	517	536	590

Zoomed Pham 224115



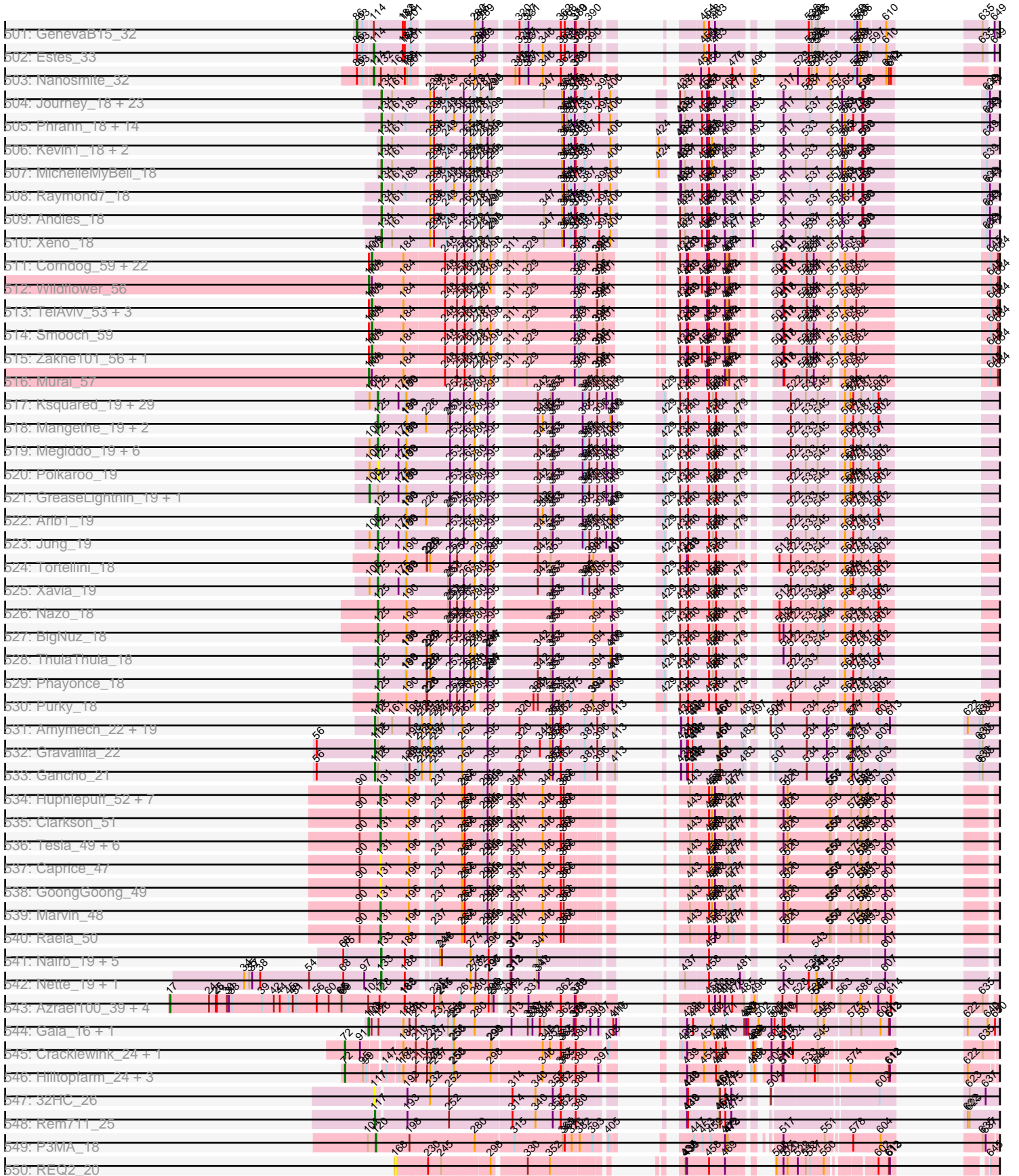
Zoomed Pham 224115

551: Brujita_19 + 1	139	228	236	281	364	371	428	438	474	533	557	558	643
552: Babsiella_19	139	228	236	281	364	371	428	438	474	533	557	558	643
553: HC_19 + 1	139	228	236	281	364	371	428	438	474	533	557	558	643
554: Shaboozey_28 + 3	139	228	236	281	364	371	428	438	474	533	557	558	643
555: Kalan2_37	139	228	236	281	364	371	428	438	474	533	557	558	643
556: MiaZeal_34 + 4	139	228	236	281	364	371	428	438	474	533	557	558	643
557: Bombitas_33 + 4	139	228	236	281	364	371	428	438	474	533	557	558	643
558: BAKA_34 + 2	139	228	236	281	364	371	428	438	474	533	557	558	643
559: Omega_36	139	228	236	281	364	371	428	438	474	533	557	558	643
560: Marleymoo_41	139	228	236	281	364	371	428	438	474	533	557	558	643
561: Bobby_38 + 3	139	228	236	281	364	371	428	438	474	533	557	558	643
562: Minerva_37 + 1	139	228	236	281	364	371	428	438	474	533	557	558	643
563: Gonephishing_32	139	228	236	281	364	371	428	438	474	533	557	558	643
564: ThreeRingTarjay_35	139	228	236	281	364	371	428	438	474	533	557	558	643
565: Superphikman_34	139	228	236	281	364	371	428	438	474	533	557	558	643
566: Lucky2013_34	139	228	236	281	364	371	428	438	474	533	557	558	643
567: Constella_31	139	228	236	281	364	371	428	438	474	533	557	558	643
568: Optimus_35	139	228	236	281	364	371	428	438	474	533	557	558	643
569: Thibault_33	139	228	236	281	364	371	428	438	474	533	557	558	643
570: Zeink_38	139	228	236	281	364	371	428	438	474	533	557	558	643
571: Rearden_31	139	228	236	281	364	371	428	438	474	533	557	558	643
572: Nekros_34	139	228	236	281	364	371	428	438	474	533	557	558	643
573: Dunfee_23 + 42	139	228	236	281	364	371	428	438	474	533	557	558	643
574: MarkPhew_23	139	228	236	281	364	371	428	438	474	533	557	558	643
575: Chavito_23	139	228	236	281	364	371	428	438	474	533	557	558	643
576: Zavala_23 + 1	139	228	236	281	364	371	428	438	474	533	557	558	643
577: Anaya_24	139	228	236	281	364	371	428	438	474	533	557	558	643
578: Illumine_23 + 2	139	228	236	281	364	371	428	438	474	533	557	558	643
579: TimBug_23	139	228	236	281	364	371	428	438	474	533	557	558	643
580: Teejan_19 + 9	139	228	236	281	364	371	428	438	474	533	557	558	643
581: Rapunzel97_23 + 10	139	228	236	281	364	371	428	438	474	533	557	558	643
582: Sunson_23 + 1	139	228	236	281	364	371	428	438	474	533	557	558	643
583: Leivind_22 + 1	139	228	236	281	364	371	428	438	474	533	557	558	643
584: TingHuaYa_23	139	228	236	281	364	371	428	438	474	533	557	558	643
585: Bella96_23	139	228	236	281	364	371	428	438	474	533	557	558	643
586: Geraldini_23 + 4	139	228	236	281	364	371	428	438	474	533	557	558	643
587: Elra2_23	139	228	236	281	364	371	428	438	474	533	557	558	643
588: Validus_23	139	228	236	281	364	371	428	438	474	533	557	558	643
589: Clipper_25 + 1	139	228	236	281	364	371	428	438	474	533	557	558	643
590: TreyKay_23 + 5	139	228	236	281	364	371	428	438	474	533	557	558	643
591: Shaobing_23 + 1	139	228	236	281	364	371	428	438	474	533	557	558	643
592: Darin_23 + 3	139	228	236	281	364	371	428	438	474	533	557	558	643
593: Chris_22	139	228	236	281	364	371	428	438	474	533	557	558	643
594: Niob_22	139	228	236	281	364	371	428	438	474	533	557	558	643
595: Guanica15_23 + 1	139	228	236	281	364	371	428	438	474	533	557	558	643
596: Curiosum_24	139	228	236	281	364	371	428	438	474	533	557	558	643
597: DrHayes_23 + 2	139	228	236	281	364	371	428	438	474	533	557	558	643
598: LastHope_23	139	228	236	281	364	371	428	438	474	533	557	558	643
599: Murucutumbu_23	139	228	236	281	364	371	428	438	474	533	557	558	643
600: Bem_26	139	228	236	281	364	371	428	438	474	533	557	558	643

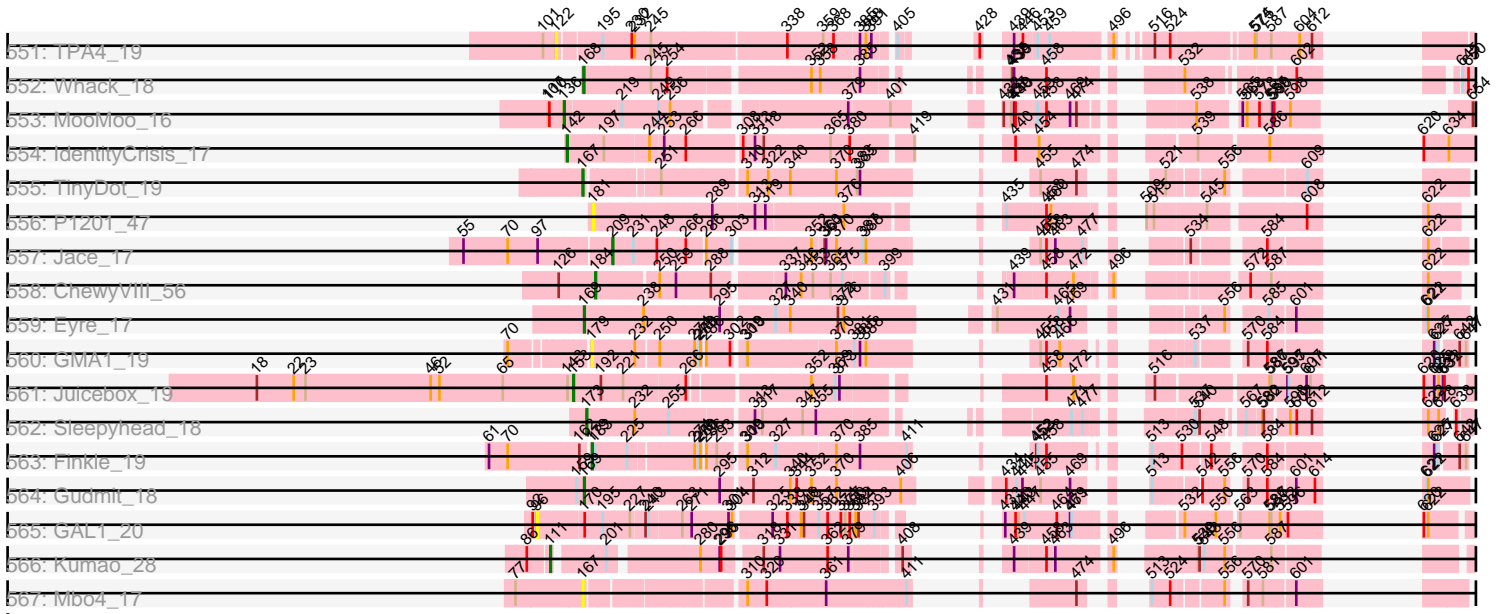
Zoomed Pham 224115

#01: Pokerus_22	05/14/18	245	239	250	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#02: KISI_22	05/14/18	231	235	230	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#03: Oscar_22	05/14/18	245	239	250	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#04: Ageoldapage_23	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#05: Findley_19 + 1	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#06: DismalFunk_19 + 2	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#07: BoostSeason_19	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#08: T104_19	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#09: Doughnut_19 + 1	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#10: ZoeJ_19	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#11: Mimi_19	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#12: TBond007_22 + 1	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#13: TroubleTrouble_21	05/14/17	200	231	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#14: ShedlockHolmes_22 + 1	05/14/17	200	231	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#15: MacnCheese_23	05/14/17	200	231	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#16: Pharb_22	05/14/17	200	231	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#17: Hurricane_22	05/14/17	200	231	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#18: Keshu_22	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#19: Flornbharth_24	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#20: Mitti_24 + 6	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#21: JFI_24 + 3	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#22: Reptar3000_24	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#23: Y10_24 + 1	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#24: Taquito_22	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#25: Bobquesha_25	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#26: MissDaisy_24	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#27: Eponine_24 + 1	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#28: Juliette_24	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#29: Patt_24	05/14/17	210	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#30: Leston_21	05/14/17	231	235	230	311	331	333	309	411	309	232	232	511	531	550	583	603	633
#31: VIVIJ_20 + 4	05/14/17	210	231	235	311	331	333	309	411	309	232	232	511	531	550	583	603	633
#32: Feyre_21 + 3	05/14/17	210	231	235	311	331	333	309	411	309	232	232	511	531	550	583	603	633
#33: OriRoe_21	05/14/17	210	231	235	311	331	333	309	411	309	232	232	511	531	550	583	603	633
#34: Miryou_21 + 1	05/14/17	210	231	235	311	331	333	309	411	309	232	232	511	531	550	583	603	633
#35: Gengar_21	05/14/17	210	231	235	311	331	333	309	411	309	232	232	511	531	550	583	603	633
#36: SoSeph_21 + 1	05/14/18	235	235	235	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#37: Amohition_22	05/14/18	231	235	230	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#38: TClii_22	05/14/18	231	235	230	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#39: Cain_22 + 1	05/14/18	231	235	230	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#40: Phrank_22 + 1	05/14/18	231	235	230	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#41: Ekdiam_20	05/14/18	231	235	230	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#42: Unicorn_22 + 1	05/14/18	231	235	230	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#43: DartnP_22	05/14/18	231	235	230	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#44: Ximenita_23	05/14/18	231	235	230	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#45: November_22	05/14/18	231	235	230	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#46: Marshawn_24	05/14/18	231	235	230	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#47: Appiecrisp_22	05/14/18	231	235	230	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#48: Syra333_22	05/14/18	231	235	230	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#49: Sunflower1121_21	05/14/18	231	235	230	315	333	310	300	316	300	230	230	521	530	551	584	604	628
#50: SirPhimp_22	05/14/18	231	235	230	315	333	310	300	316	300	230	230	521	530	551	584	604	628

Zoomed Pham 224115



Zoomed Pham 224115



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 224115 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224115 has 1427 members, 171 are drafts.

Phages represented in each track:

- Track 1 : Muddy_21
- Track 2 : NoShow_18
- Track 3 : 8UZL_21
- Track 4 : Maco6_19
- Track 5 : JacoRen57_17
- Track 6 : FF47_21
- Track 7 : Sparky_16, Farewell_16
- Track 8 : Nergal_22
- Track 9 : MalagasyRose_24
- Track 10 : JustASigh_18
- Track 11 : Weirdo19_19
- Track 12 : Morrissey_19
- Track 13 : Gustav_18
- Track 14 : Puppies_18
- Track 15 : Widow_18
- Track 16 : Mahdia_18
- Track 17 : Upyo_18
- Track 18 : Trine_18
- Track 19 : Aphelion_48, Toniann_48, Geeche_47, PhinkBoden_48, Bachita_50, ClubL_48, Cucurbita_50
- Track 20 : Abscondus_47, Dusty_46, Norvs_49, Smoothie_49, Culver_48, Lozinak_48, Engineer_49
- Track 21 : Miskis_46
- Track 22 : WilliamBoone_48
- Track 23 : BrutonGaster_36
- Track 24 : OneUp_42
- Track 25 : MacGully_50
- Track 26 : Dalilpop_46, Turuncu_45, GRU1_31
- Track 27 : Flapper_45
- Track 28 : GTE5_32
- Track 29 : Bonum_44, NosilaM_44
- Track 30 : Buggaboo_42, Kabluna_44, SuperSulley_42
- Track 31 : Foxboro_42, NovumRegina_41, GrootJr_43, Kurt_41, Phomeo_40, Jifall16_40, Emianna_41, Arti_41, NatB6_41, KidneyBean_41, Wheezy_41
- Track 32 : Outis_42, StarStruck_42
- Track 33 : Commandaria_43
- Track 34 : GTE8_30

- Track 35 : Tracker_41
- Track 36 : MerCougar_42
- Track 37 : Ennea_47
- Track 38 : Patio_44
- Track 39 : Lollipop1437_46
- Track 40 : Float294_43, Skysand_43
- Track 41 : RedRaider_48
- Track 42 : IDyn_42, NadineRae_41, WhoseManz_43
- Track 43 : HubbaBubba_39, Yndexa_43, Sukkupi_43
- Track 44 : BiPauneto_44
- Track 45 : Marietta_43
- Track 46 : Fury_50, Pleakley_50
- Track 47 : Scuba_50
- Track 48 : Polyuyuki_45, Maselop_45, CoffeeBean_45, Braxoaddie_45
- Track 49 : GuyFagieri_45
- Track 50 : Apiary_45
- Track 51 : Amok_17
- Track 52 : Elinal_19, Lauer_17, KayGee_18, Bavilard_18
- Track 53 : Starburst_19
- Track 54 : SummitAcademy_17, Vine_19
- Track 55 : RedBaron_19
- Track 56 : Agatha_18, Cozz_18
- Track 57 : PsychoKiller_18, Sopespian_18, Socotra_19, Elliott_18, GoldHunter_19
- Track 58 : SheckWes_17
- Track 59 : MAnor_18
- Track 60 : Biskit_19, SketchMex_17
- Track 61 : ChocoMunchkin_18, AndPeggy_17, CanesSauce_18
- Track 62 : Nina_19, Axym_18, Typhonomachy_19
- Track 63 : Yucky_20
- Track 64 : AikoCarson_17, Emalyn_17
- Track 65 : Tolls_20, SteamedHams_20, Yarn_17
- Track 66 : Quasar_18
- Track 67 : Blondies_18
- Track 68 : CherryonLim_19
- Track 69 : Yummy_19, Troje_18, SweatNTears_20, Horseradish_19
- Track 70 : Feastonyeet_17, BigChungus_17
- Track 71 : Burnsey_18
- Track 72 : PotPie_18
- Track 73 : MScarn_20, Buttrmlkdreams_18
- Track 74 : BillDoor_20
- Track 75 : Carsonalex_19
- Track 76 : Pons_18
- Track 77 : Gibbous_18, Dre3_18
- Track 78 : Mayweather_19
- Track 79 : ChickenTender_20
- Track 80 : Cleo_18
- Track 81 : GTE2_16
- Track 82 : MunkgeeRoachy_18
- Track 83 : HippoPololi_20
- Track 84 : KappaFarmDelta_19
- Track 85 : Malachai_20, Begonia_20
- Track 86 : JasperJr_19, Guacamole_19, MintFen_19, Melba_19, Utz_19, BlingBling_19, Archis_20, Barco_19

- Track 87 : Gambino_21, Blueberry_21, MissRona_21, Azula_21
- Track 88 : Wisp_18, Jalammah_21, ZiggyZoo_18, Lysidious_20, Obliviate_18, Samba_19
- Track 89 : Delian_19, UmaThurman_19, CaptainKirk2_19
- Track 90 : PCoral7_19, Toast_19
- Track 91 : Murp_19
- Track 92 : Pipp_19
- Track 93 : CarolAnn_19, Blino_19
- Track 94 : Walrus_20
- Track 95 : Mellie_18
- Track 96 : Petra_21
- Track 97 : Hitter_19
- Track 98 : Zarbodnamra_19
- Track 99 : JuJu_19
- Track 100 : PrincePatrick_19
- Track 101 : Wocket_20
- Track 102 : William_19
- Track 103 : Frokostdame_19
- Track 104 : Fairfaxidum_19
- Track 105 : PhrostedPhlake_20
- Track 106 : Fenry_18
- Track 107 : Wrigley_20
- Track 108 : Pytheas_20, Jablanski_20
- Track 109 : Cashline_20
- Track 110 : LonelyBoi_20
- Track 111 : EnalisNailo_20, Lilas_20, Bradissa_20
- Track 112 : Floral_20, EmsquaredA_20, Posh_20, Marteena_20, Pollux_20, BeeGee_20
- Track 113 : Angelique_20
- Track 114 : Confidence_20
- Track 115 : BritBrat_20
- Track 116 : Pepperoni_17, OneDirection_17, Lton_17
- Track 117 : Bunnybear_18
- Track 118 : TimTam_19, BatStarr_19, Eviarto_19, Nymphadora_19, Bosnia_19
- Track 119 : Kita_19, Eudoria_19, Maridalia_18, Manasvini_19, Trumpet_19, Polly_19, Zameen_19, Suscepit_19, Antonio_19, Neobush_19, Tayonia_19
- Track 120 : ThankyouJordi_18, WelcomeAyanna_18
- Track 121 : Bialota_19, Ohgeesy_19, Zirinka_19
- Track 122 : Agueybana_19
- Track 123 : Hugley_19, Herod_19
- Track 124 : Madeline_19
- Track 125 : Hyzer_19
- Track 126 : FroggyToad_17
- Track 127 : Whiteclaw_17, GemG_17, Savage_17, Clap_17, Gizermo_17, TuertoX_17, Mocha12_17, Cynthia_17, Sproutie_17, Haley23_17, Ebert_17
- Track 128 : EdnaMode_17, Lamberg_17
- Track 129 : Nettuno_17
- Track 130 : Matteo_17
- Track 131 : Vasanti_17
- Track 132 : Attis_17, LordFarquaad_17, SoilAssassin_17, Yeet412_17, Bjanes7_17
- Track 133 : Sahara_17
- Track 134 : JCole_17, Pickett_17

- Track 135 : BaxterFox_18, BoyNamedSue_19, PantheRoc_19, AlumE_19, Yeezy_20
- Track 136 : PhriskyACE_19, Dorito_19
- Track 137 : Beenie_20, WinkNick_20, Samman98_20, Dolores_20, MichaelScott_20, Suerte_18, Clark_20
- Track 138 : Hortense_20, Twinkle_20, Adora_20, Shlim410_20, Howe_20
- Track 139 : Thimann_20, Easley_20, Mcklovin_20, Oregano_20
- Track 140 : Invectra_21
- Track 141 : DobbysSock_19, Annalisa_20
- Track 142 : Powerball_19
- Track 143 : Sekhmet_20
- Track 144 : Denise_17
- Track 145 : Moosehead_17
- Track 146 : Faith5x5_17
- Track 147 : Sidious_19
- Track 148 : RavenCo17_17
- Track 149 : Frizzle_16
- Track 150 : Sapo_16
- Track 151 : Archimedes_16
- Track 152 : Ghobes_16
- Track 153 : Kiko_20
- Track 154 : JonJames_47, Yvonnetastic_45
- Track 155 : Cardigan_47
- Track 156 : Belphegor_33
- Track 157 : Phauci_26, Inspectinfecti_34, Hans_35
- Track 158 : EMOore_31
- Track 159 : Phinally_33, Leonard_33
- Track 160 : MelBins_34
- Track 161 : Ali17_31
- Track 162 : Chickadee_32, Tiamoceli_33, GTE6_32
- Track 163 : RoadKill_30
- Track 164 : Kwekel_32
- Track 165 : Dexdert_33, Twonlo_30, EdmundFerry_31
- Track 166 : Sampson_35
- Track 167 : DoctorFroggo_34, Delrey21_34, Verity_34
- Track 168 : Tardus_36
- Track 169 : Scioto_35, Abblin_35, Natkenzie_35
- Track 170 : Zipp_34
- Track 171 : ViaConlectus_35
- Track 172 : APunk_36
- Track 173 : Zitch_36
- Track 174 : Lilbeanie_30
- Track 175 : Lucky10_18
- Track 176 : Morkie_18, PhorbesPhlower_18
- Track 177 : DelRio_23, WheatThin_22, Mulch_22, BetterKatz_22, Nadeem_22, Parada_22, Brylie_22
- Track 178 : Hamood_22, Chop_22, Ayotoya_22, GrandSlam_22
- Track 179 : NancyRae_22
- Track 180 : Pimento_23
- Track 181 : Francois_22
- Track 182 : Bock_22
- Track 183 : Phendrix_87
- Track 184 : GodonK_89

- Track 185 : DatBoi_31
- Track 186 : SpeedDemon_320
- Track 187 : Mollymur_31
- Track 188 : Bantam_30
- Track 189 : Towmatter_29
- Track 190 : Daredevil_29
- Track 191 : BearBQ_19
- Track 192 : Birdsong_19, MortyNRick_19
- Track 193 : ODay_25
- Track 194 : Ecliptus_24
- Track 195 : Kuwabara_19
- Track 196 : Forza_101, BlueNGold_100, Mareelih_99, Boopy_101
- Track 197 : GMA2_30
- Track 198 : Sixama_99
- Track 199 : Vordorf_22
- Track 200 : Dogfish_21
- Track 201 : Nyceirae_23
- Track 202 : Ewald_22
- Track 203 : Meyran_21
- Track 204 : BabyMoney_21
- Track 205 : Phishy_22
- Track 206 : Octobien14_28
- Track 207 : Sephiroth_28, Syleon_28
- Track 208 : Kudrefre_27
- Track 209 : Rabbitrun_30
- Track 210 : Trax_28
- Track 211 : Neville_28
- Track 212 : MakCheese_20
- Track 213 : Malibo_20
- Track 214 : Ruthy_19
- Track 215 : DumpsterDude_19
- Track 216 : ArchiDore_19
- Track 217 : Zodiariah_18
- Track 218 : Heinz_19
- Track 219 : Reyja_19
- Track 220 : DonkeyMan_18, Tarzan_18
- Track 221 : Hibiscus_18
- Track 222 : Jojo24_18, Santhid_18
- Track 223 : Terminus_24, Goldilocks_25, Command613_25, Myrale_24, ABCat_23, BadStone_23, Thresher_25, ChosenOne_23, Simpliphy_25, MISSy_23, NoSleep_25, Elph10_25, Balomoji_23, TeardropMSU_23, Lilac_26, SirDuracell_23, 244_26, Lilizi_26, Cookies_24, Pharsalus_25, PhatBacter_24, AmericanBeauty_26, Elite2014_23, 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, Highbury_25, SophKB_24, Cactus_25, Dusk_23, Saints25_25, Quallification_25, Eureka_24, HanKaySha_25, Phrux_24, Holt_25, 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, Miniwave_24, Tuco_25, Rimmer_23, Hoonter_26, GoldenSpark_26

- Track 224 : YassJohnny_25, Marshmallow_24, Palpatine_24, Flypotenuse_22, FireRed_24, Amao_24, RiverMonster_24, Glexan_22, Gage_26, Daikon_22, BilboSwaggins_24, BugsBunny_22, FoghornLeghorn_23, Phaja_24, Murica_23, Petra64142_26, Mosby_23, Henry_24, Policronamos_24, Becksu_24, Maxxinista_25, Hopey_26, Easy2Say_26, Sassay_23, HufflyPuff_23, Rakim_25, IHOP_24, Porky_24, Icee_23, Bask21_24, Harella_23, Nala_24, Pumpkin_26, Toto_24, Willez_23, StormChicken_24, JeTaime_26, Bench_26, Murphy_25, Xandras_26, Thimble_24, Youngblood_24, FairyPath_24, Inca_23, ChotaBhai_24, Emmina_25, NelitzaMV_24, TBrady12_26, DoctorDiddles_24, Bruin_24, xkcd_25, Dumbo_24, Stank_27, Mindy_24
- Track 225 : Barbarian_23, Asriel_23
- Track 226 : Traaww1_22
- Track 227 : Cjw1_24
- Track 228 : PeteyPab_33, Kimchi1738_31, Cruella_31, PotatoChip_34, Zion_34, C3PO_31
- Track 229 : Stickynote_33
- Track 230 : Darwin_34
- Track 231 : StAB_17, Stiles_17, Bran_17, Adelaide_17
- Track 232 : MulchSalad_16
- Track 233 : Rockne_16, PMC_16, Llij_16
- Track 234 : ShiLan_16, Martik_16, Zizzle_16, ShowerHandel_16, Yorick_16, Nivrat_16, Lizziana_16, Spikelee_17, Burwell21_16, Jarcob_16
- Track 235 : Zerg_16
- Track 236 : UncleRicky_17, Phatniss_17, Drago_17, SiSi_16, Karhdo_16, Lorde_17, Enby_17
- Track 237 : JoeyJr_16, PHappiness_16, DaddyRickover_16, Empress_17, Pacc40_16, Daenerys_16, Dorothy_16, BlueCrab_16, Nimbo_16
- Track 238 : Mozy_17
- Track 239 : Modragons_16, Seabastian_16, Ochi17_16, Jinglebell_15, Llama_16, OfUltron_16, AlpineSix_16
- Track 240 : Coco12_18
- Track 241 : Taj_16, DeadP_16
- Track 242 : Wee_17, DLane_16, Hlubikazi_16, Wachhund_16, Ms6_16, Emma_16, Galactic_16, Dante_16, PhesterPhotato_16, 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, Geralt_16, Jant_16, Hegedechwinu_17, Pippy_16, Koella_16
- Track 243 : ByChance_16
- Track 244 : Chuckly_16, Mova_17
- Track 245 : Ramsey_17, Poenanya_16, Stap_17, Doomphist_16
- Track 246 : Blexus_16
- Track 247 : Philus_16, Tchotchke_17, James_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
- Track 248 : Emmaloid_18, PhilipPhlop_16, Totinger_17, Vivum_16, Starceвич_17, Slim_18, EmiMonkey_16
- Track 249 : SimranZ1_17
- Track 250 : ArcusAngelus_16, Chevrolet_16
- Track 251 : Quico_17, Girafales_17, Florinda_16
- Track 252 : Oksu_17
- Track 253 : Phalconet_16

- Track 254 : GigiOuiOui_16
- Track 255 : Hamulus_16
- Track 256 : Velveteen_17, Ardmore_16, BigPhil_17, Crumble_16, Brookers_17, Cerasum_17, Phanphagia_16, Shauna1_16
- Track 257 : Batiatus_16
- Track 258 : OldBen_16
- Track 259 : Spoonbill_16, Priscilla_16, OlympiaSaint_16, Cabrinians_16
- Track 260 : Ibhubesi_16, Harley_16
- Track 261 : BodEinwohner17_16, Inventum_16, Sassafras_16, Deb65_16
- Track 262 : Byougenkin_16
- Track 263 : Misha28_17, TootsiePop_17, Awesomesauce_17
- Track 264 : Fastidio_16
- Track 265 : DirtMcgirt_17
- Track 266 : IrishSherpFalk_17, WillSterrel_17
- Track 267 : Scottish_17, KingMidas_17
- Track 268 : Estave1_16
- Track 269 : Frankie_17
- Track 270 : Akhila_17, MilanaBonita_17
- Track 271 : Filuzino_16, IMpilo_16
- Track 272 : Gandalph_16
- Track 273 : ChickenDinner_17, DocMcStuffins_17, Aloeri_17
- Track 274 : Boomer_17
- Track 275 : Rialto_18, LittleShirley_17
- Track 276 : NormanBulbieJr_16
- Track 277 : Donkeykong_16
- Track 278 : Mutaforma13_16
- Track 279 : DosHalletts_17
- Track 280 : Plumbus_17
- Track 281 : DoRead_16
- Track 282 : DotProduct_16
- Track 283 : Girr_16, Veteran_16, GUmbie_16, Ruby_16, Phasih_17, MisterCuddles_16
- Track 284 : Leperchaun_16, RitaG_16
- Track 285 : Melissauren88_16, Fruitloop_16, EleanorGeorge_16, Maravista_16, Corium_16, Leozinho_17, KingJulian_16
- Track 286 : Juice456_18, Kimberlium_18, QuickMath_17, MulchExplorer_19
- Track 287 : DillTech15_16
- Track 288 : FreddyB_16
- Track 289 : Piper2020_17
- Track 290 : Sarma624_17
- Track 291 : Rita_16
- Track 292 : Aubs_16
- Track 293 : Madiba_17
- Track 294 : VRedHorse_16
- Track 295 : Doug_17
- Track 296 : RedBird_16
- Track 297 : Firehouse51_17
- Track 298 : Radiance_16, Tootsieroll_17
- Track 299 : Job42_19
- Track 300 : Alexphander_18
- Track 301 : Minnie_17
- Track 302 : Che8_16
- Track 303 : PopTart_16, SassyB_16

- Track 304 : Ogopogo_19
- Track 305 : Eish_16
- Track 306 : RockyHorror_17
- Track 307 : Juniper1_16
- Track 308 : Violac_17
- Track 309 : Beakin_17
- Track 310 : Polka14_17
- Track 311 : Latretium_17
- Track 312 : CaptainTrips_17
- Track 313 : Marker_17, Cornucopia_17
- Track 314 : Kenuha5_16, SuperGrey_17
- Track 315 : OwlsT2W_18
- Track 316 : Nitzel_17
- Track 317 : IbOuu_16
- Track 318 : XFactor_16
- Track 319 : Fancypants_16
- Track 320 : ShroomBoi_16
- Track 321 : Whouxphf_16
- Track 322 : Gorge_16
- Track 323 : Mahavrat_16
- Track 324 : Grimmer_17
- Track 325 : Seagreen_17
- Track 326 : BuzzLyseyear_18
- Track 327 : Bipolar_16
- Track 328 : Squirty_17
- Track 329 : LunaStella_18
- Track 330 : TChen_17
- Track 331 : PinkYoshi_18, AzulaCat_18, Maliketh_18, Cherrybomb426_18, CLED96_18, Wendigo_18, Jonghyun_18, Sizemore_18, Hotshotbaby7_18, BQuat_18, Remy19_18, Chance64_18, Kasen3_18, Frosty24_18, Olga_18, TinaBug_18, Camri_18, DNAlll_0018, Sweets_18, Phish_18
- Track 332 : Jolene_18, Periodt_18, Hope_18, Plagueis_18, Aroostook_18, Kareem_18, ECartman_18, OctaviousRex_18, Avrafan_18, Cedasite_18, ZoMa_18, Coleslaw_18, Darionha_18, Crespo_18, Annihilator_18, Phreak_18, GoldenAsh_18, Angel_18, CassieYates_18, TomBrady_18, Schiebel_18, Marmie_18, Renaissance_18, DMoney_18, Mowgli_18, BruceB_18, Gideon_18, BPs_18, LouisV14_18, Gomashi_18, Halo_18, Zombi_18, JorRay_18, ShaboiShabazz_18
- Track 333 : Peeb_18, Liefie_18
- Track 334 : Barkley26_18
- Track 335 : Jane_18
- Track 336 : Sneeze_18
- Track 337 : Terror_18, Taheera_18
- Track 338 : Rabbs_18
- Track 339 : Paito_18
- Track 340 : Grizzly_18
- Track 341 : Avocado_18, Cambiare_19
- Track 342 : FlagStaff_18
- Track 343 : Pace1224_18
- Track 344 : Pinnie_19
- Track 345 : Jolie2_18
- Track 346 : Mercurio_20
- Track 347 : Lemuria_19
- Track 348 : Antsirabe_18

- Track 349 : Stargaze_18
- Track 350 : QueenHazel_19
- Track 351 : Brujita_19, Island3_19
- Track 352 : Babsiella_19
- Track 353 : HC_19, Xula_18
- Track 354 : Shaboozey_28, Hannaconda_31, LittleE_37, KashFlow_28
- Track 355 : Kalah2_37
- Track 356 : MiaZeal_34, Squint_33, Porcelain_33, Ariel_34, Courthouse_34
- Track 357 : Bombitas_33, Schatzie_34, Dove_34, Odette_36, Hughesyang_35
- Track 358 : BAKA_34, Phoebus_36, Redno2_35
- Track 359 : Omega_36
- Track 360 : Marleymoo_41
- Track 361 : Bobby_38, Ejimix_37, Wanda_37, DmpstrDiver_35
- Track 362 : Minerva_37, Klein_37
- Track 363 : Gonephishing_32
- Track 364 : ThreeRngTarjay_35
- Track 365 : Superphikiman_34
- Track 366 : Lucky2013_34
- Track 367 : Constella_31
- Track 368 : Optimus_35
- Track 369 : Thibault_33
- Track 370 : Zelink_38
- Track 371 : Rearden_31
- Track 372 : Nekros_34
- Track 373 : Durfee_23, Capricorn_23, MeaningOfLife_23, AlishaPH_23, Boiii_23, Peel_23, Twitch_23, BaghaKamala_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, Llorens_23, Lunahalos_23, Piatt_23, Joy99_23, Inky_23, BGIlluviae_23, Padfoot_23, Angelica_23, Deby_23, Tiri_23, Topper_23, CREW_23, Homura_23, ShiaSurprise_23
- Track 374 : MarkPhew_23
- Track 375 : Chavito_23
- Track 376 : Zavala_23, Mynx_23
- Track 377 : Anaya_24
- Track 378 : Illumine_23, Dole_23, Devera_23
- Track 379 : TiniBug_23
- Track 380 : Teejan_19, Amelie_19, Binglebops_19, Torres_19, Mdavu_19, LilPharaoh_19, Nikao_19, Nutello_19, SgtBeansprout_19, Enkosi_19
- Track 381 : Rapunzel97_23, Adephegia_23, ActinUp_23, Veliki_23, Tachez_23, Zabiza_23, TruffulaTree_23, HedwigODU_23, Atiba_23, Jayhawk_23, Slimphazie_23
- Track 382 : Stinson_23, LaterM_23
- Track 383 : LeMond_22, Scarlett_22
- Track 384 : TingHuaYa_23
- Track 385 : Bella96_23
- Track 386 : Geraldini_23, QuincyRose_22, Ganymede_24, Adonis_23, Beezoo_23
- Track 387 : Efra2_23
- Track 388 : Validus_23
- Track 389 : Clipper_25, MacKat_24
- Track 390 : TreyKay_23, Prithvi_23, Megsy_23, TaiwanKao_24, LindNT_23, CrimD_23
- Track 391 : Shaobing_23, Peanam_23

- Track 392 : Dartin_23, Richo_23, Niklas_23, McMater_23
- Track 393 : Chris_22
- Track 394 : Nibb_22
- Track 395 : Guanica15_23, Yunkel11_23
- Track 396 : Curiosium_24
- Track 397 : DrHayes_23, SamuelLPlaqson_23, Urkel_23
- Track 398 : LastHope_23
- Track 399 : Murucutumbu_23
- Track 400 : Bern_25
- Track 401 : Pokerus_22
- Track 402 : KiSi_22
- Track 403 : Oscar_22
- Track 404 : Ageofdapage_23
- Track 405 : Findley_19, Strobilo_19
- Track 406 : DismalFunk_19, DismalStressor_19, Marcoliusprime_19
- Track 407 : BoostSeason_19
- Track 408 : TM4_19
- Track 409 : Doughnut_19, Mufasa_19
- Track 410 : ZoeJ_19
- Track 411 : Milly_19
- Track 412 : TBond007_22, Pixie_22
- Track 413 : TribbleTrouble_21
- Track 414 : ShedlockHolmes_22, Lea83_23
- Track 415 : MacnCheese_23
- Track 416 : Pharb_22
- Track 417 : Hurricane_22
- Track 418 : Keshu_22
- Track 419 : Fionnbharth_24
- Track 420 : Mitti_24, OmniCritical_24, Cheetobro_24, SamScheppers_22, Slarp_24, Lebo14_25, Chancellor_24
- Track 421 : JF1_24, Kraw_25, Wintermute_24, Malthus_25
- Track 422 : Reptar3000_24
- Track 423 : Y10_24, Y2_24
- Track 424 : Taquito_22
- Track 425 : Bobquesha_25
- Track 426 : MissDaisy_24
- Track 427 : Eponine_24, Ruthiejr_23
- Track 428 : Juliette_24
- Track 429 : Patt_24
- Track 430 : Leston_21
- Track 431 : ViviJ_20, Agent47_21, InvictusManeo_21, Kratio_20, Collard_21
- Track 432 : Feyre_21, Guillsminger_21, Waterfoul_21, Paola_21
- Track 433 : OkiRoe_21
- Track 434 : Miryou_21, Thyatira_21
- Track 435 : Gengar_21
- Track 436 : SoSeph_21, Heftyboy_21
- Track 437 : Amohnition_22
- Track 438 : TCLif_22
- Track 439 : Cain_22, Bryler_22
- Track 440 : Phrank_22, Tierra_22
- Track 441 : Ekdilam_20
- Track 442 : Unicorn_22, PhelpsODU_22
- Track 443 : DarthP_22

- Track 444 : Ximenita_23
- Track 445 : November_22
- Track 446 : Marshawn_24
- Track 447 : Applecrisp_22
- Track 448 : Syra333_22
- Track 449 : Sunflower1121_21
- Track 450 : SirPhilip_22
- Track 451 : Yuna_24
- Track 452 : Shadow1_21
- Track 453 : Krueger_22
- Track 454 : Hammy_22
- Track 455 : Fefferhead_22
- Track 456 : Amgine_21
- Track 457 : Ellie_20
- Track 458 : Aminay_21
- Track 459 : Boilgate_20
- Track 460 : LeBron_18, Zaria_18, CicholasNage_18, Calm_18, Wamburgxpress_18
- Track 461 : AvadaKedavra_18, Tyson_18, Wyatt2_18, Halena_18, MAckerman_18, UPIE_18, Rose5_18, Silverleaf_18, Acquire49_18
- Track 462 : Enceladus_18, DirkDirk_18, JoeDirt_18, OhShagHennessy_18
- Track 463 : Appletree2_18
- Track 464 : Poochiewood_18
- Track 465 : Wigglewiggles_18, Soap141_18, SoJulia_18, MkaliMitinis3_18, Faith1_18, Loadrie_18, Sarshaun_18, Netyap_18, Underpass_18, Miley16_18, Kahlid_18, Breezona_18, Finemlucis_18, Hafay_18, Wilder_18, Nicholasp3_18, BobsGarage_18, Gardann_18, DrSeegs_18, Gabriela_18, Itos_18, BigCheese_18, Winky_18
- Track 466 : Crossroads_18, LilDestine_18, Vetrix_18, Zakai_18, Rumpelstiltskin_18
- Track 467 : Lewan_18
- Track 468 : Tourach_18
- Track 469 : Rossetti_18
- Track 470 : Bazzle_18
- Track 471 : GuuelaD_18
- Track 472 : Baoshan_17, ZhongYanYuan_17
- Track 473 : DHan_18, DanBing_17
- Track 474 : Archie_18
- Track 475 : Claus_18
- Track 476 : Finnry_19, Moostard_19, Bellis_19, Samty_19
- Track 477 : MiniMac_19, MiniLon_19, Lolly9_19
- Track 478 : Whirlwind_20
- Track 479 : LiyuLake_19, BourbonZero_18
- Track 480 : TriFive_19, Kingsolomon_19, Snenia_19, Jobypre_19, Red305_19, Lumos_19, MsGreen_19, Jubie_19, Clautastrophe_19, Nicholas_19
- Track 481 : KirDoubleO7_17
- Track 482 : DuncansLeg_19
- Track 483 : Ellson_19
- Track 484 : Krypton555_19
- Track 485 : Quby_18, Douge_18, FarmResident_18
- Track 486 : PYPDinur_18, Sheng711_18, Douzhi_18, BrainDrainer_19
- Track 487 : DyoEdafos_19
- Track 488 : Bromden_19
- Track 489 : Kropertea_18

- Track 490 : Chaser_18
- Track 491 : Aegeus_18, Baudelaire_18
- Track 492 : RoseMarie_29
- Track 493 : Bricole_28
- Track 494 : PegLeg_28, TyDawg_28, Glaske16_29, FreakyGoo_28, Diminimus_29, SlimJimmy_27, Skinny_29, LilhomieP_27, IPhane7_28, Bongo_28, Dulcita_29
- Track 495 : Auspice_28
- Track 496 : KleverKiS_28, Izel_27
- Track 497 : Reindeer_26
- Track 498 : MrMagoo_32, GardenSalsa_32
- Track 499 : Aziz_32
- Track 500 : Rey_32
- Track 501 : GenevaB15_32
- Track 502 : Estes_33
- Track 503 : Nanosmite_32
- Track 504 : Journey_18, Gex_18, Carcharodon_18, EGUnicorn_19, Charlie_18, Magsby_18, Duplicity_18, Philonius_18, Tapioca_18, Chewbacca_18, Melville_18, Silvy_18, Xerxes_18, Schnauzer_18, Parmesanjohn_18, Silvafighter_18, Tortoise12_18, Phloss_18, Smurph_18, Bosection6_18, Fulbright_18, Scitech_18, Pipsqueaks_18, Aggie_18
- Track 505 : Phrann_18, Jamie19_18, Rebel_18, ShrimpFriedEgg_18, Snekmaggon_18, SpongeBob_18, Shweta_18, Nenae_18, BabeRuth_18, Redi_18, Panchino_18, PhancyPhin_18, Purgamenstris_18, Hanako_18, SkinnyPete_18
- Track 506 : Kevin1_18, Rubeelu_18, Butters_18
- Track 507 : MichelleMyBell_18
- Track 508 : Raymond7_18
- Track 509 : Andies_18
- Track 510 : Xeno_18
- Track 511 : Corndog_59, Firecracker_57, JangDynasty_56, Ryadel_60, Schuy_57, MadKillah_57, Winget_57, Vagabond_56, YungJamal_61, NiebruSaylor_55, Krili_55, Familton_57, Bora_54, SchoolBus_56, Vorrps_56, Mori_56, Shida_56, Alkhayr_54, Ashwin_58, Blessica_57, KingPhillip3_55, FoulBall_56, Wogge42_55
- Track 512 : Wildflower_56
- Track 513 : TelAviv_53, Catdawg_56, Idergollasper_56, Zebo_55
- Track 514 : Smooch_59
- Track 515 : Zakhe101_56, Dylan_56
- Track 516 : Murai_57
- Track 517 : Kssquared_19, Atcoo_19, Etoile_19, Sonah_19, Phineas_19, Techage_19, Willsammy_19, StevieRay_19, Juniormint_19, HUHilltop_19, Pygmy_18, Zilizebeth_19, Necropolis_19, Thespis_19, Kari_19, Jebeks_19, Bartholomew_19, Brusacoram_19, Bunnies_19, Shipwreck_18, FirstPlacePfu_19, Langerak_19, Fishburne_19, Donovan_19, Bhagsy_19, Dynamo_19, Venti_19, Malithi_19, Camster_19, Vidya_19
- Track 518 : Mangethe_19, Majeke_19, Phegasus_19
- Track 519 : Megiddo_19, CactusJack_19, Gavriela_19, KilKor_19, StressBall_19, Phalm_19, Glaske_19
- Track 520 : Polkaroo_19
- Track 521 : GreaseLightnin_19, Bogie_18
- Track 522 : Arib1_19
- Track 523 : Jung_19
- Track 524 : Tortellini_18
- Track 525 : Xavia_19

- Track 526 : Nazo_18
- Track 527 : BigNuz_18
- Track 528 : ThulaThula_18
- Track 529 : Phayonce_18
- Track 530 : Purky_18
- Track 531 : Amymech_22, Luke_22, Giles_22, Evanesce_22, HH92_22, Dewey_22, Ubuntu_22, Forge_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 532 : Gravaillia_22
- Track 533 : Gancho_21
- Track 534 : Huphlepuuff_52, Blackbeetle_50, LittleLaf_50, Pringar_50, Lilbit_51, VasuNzinga_50, Beelzebub_54, Poise_50
- Track 535 : Clarkson_51
- Track 536 : Tesla_49, FeliMaine_52, Corazon_48, MosMoris_48, JoieB_51, RedRaider77_50, Gattaca_49
- Track 537 : Caprice_47
- Track 538 : GoongGoong_49
- Track 539 : Marvin_48
- Track 540 : Raela_50
- Track 541 : Nairb_19, ZenTime222_19, RonRayGun_19, Whitty_19, Bernal13_19, Ibrahim_19
- Track 542 : Nette_19, Mendokysei_18
- Track 543 : Azrael100_39, Wildcat_40, MaryV_40, EniyanLRS_37, Cosmo_40
- Track 544 : Gaia_16, Nebkiss_17
- Track 545 : Cracklewink_24, Bipper_24
- Track 546 : Hilltopfarm_24, Faiyaz_24, Typha_24, AuntGwenStacy_24
- Track 547 : 32HC_26
- Track 548 : Rem711_25
- Track 549 : P3MA_18
- Track 550 : REQ2_20
- Track 551 : TPA4_19
- Track 552 : Whack_18
- Track 553 : MooMoo_16
- Track 554 : IdentityCrisis_17
- Track 555 : TinyDot_19
- Track 556 : P1201_47
- Track 557 : Jace_17
- Track 558 : ChewyVIII_56
- Track 559 : Eyre_17
- Track 560 : GMA1_19
- Track 561 : Juicebox_19
- Track 562 : Sleepyhead_18
- Track 563 : Finkle_19
- Track 564 : Gudmit_18
- Track 565 : GAL1_20
- Track 566 : Kumao_28
- Track 567 : 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 129, it was called in 207 of the 1256 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akhila_17, Alexphander_18, Aloeri_17, AlpineSix_16, ArcusAngelus_16, Ardmore_16, Aubs_16, Awesomesauce_17, Batiatus_16, Beakin_17, BigPhil_17, Bipolar_16, Blexus_16, BlueCrab_16, BobaPhett_16, Bobi_18, BodEinwohner17_16, Boomer_17, Brocalys_16, Brookers_17, Brushbloom_18, Bubbles123_17, Burwell21_16, BuzzLyseyear_18, ByChance_16, Byougenkin_16, Cabrinians_16, CaptainTrips_17, Cerasum_17, Che8_16, Chevrolet_16, ChickenDinner_17, Chuckly_16, Clifton_16, Coco12_18, Corium_16, Cornucopia_17, Crumble_16, DLane_16, DRBy19_16, DaWorst_18, DaddyRickover_16, Daenerys_16, Dante_16, DeadP_16, Deb65_16, DillTech15_16, DoRead_16, DocMcStuffins_17, Donkeykong_16, Doomphist_16, Dorothy_16, DosHalletts_17, DotProduct_16, Doug_17, Drago_17, Eish_16, EleanorGeorge_16, EmiMonkey_16, Emma_16, Emmaloid_18, Empress_17, Enby_17, Eradicator_16, Estave1_16, Fancypants_16, Fastidio_16, Filuzino_16, Firehouse51_17, Flathead_17, Florinda_16, Frankie_17, FreddyB_16, Fruitloop_16, GUmbie_16, Galactic_16, Gandalph_16, Geralt_16, GigiOuiOui_16, Girafales_17, Girr_16, Gorge_16, Grimmer_17, Hades_16, Hamulus_16, Harley_16, Hegedechwinu_17, Hlubikazi_16, IMpilo_16, IbOuu_16, Ibhubesi_16, Inventum_16, IrishSherpFalk_17, JalFarm20_18, James_16, Jant_16, Jarcob_16, Jinglebell_15, Job42_19, JoeyJr_16, Juice456_18, Juniper1_16, Karhdo_16, Kenuha5_16, Kimberlium_18, KingJulian_16, KingMidas_17, Kingsley_17, Koella_16, Krakatau_17, KristaRAM_17, LastJedi_16, Latretium_17, Leozinho_17, Leperchaun_16, LilMoolah_16, LittleShirley_17, Lizziana_16, Llama_16, Llij_16, Lorde_17, Madiba_17, Mahavrat_16, Mandlovu_16, Mantra_16, Maravista_16, Marker_17, Martik_16, Mattes_16, Melissauren88_16, MilanaBonita_17, MilleniumForce_17, MinionDave_17, Minnie_17, Misha28_17, MisterCuddles_16, Modragons_16, Moonbeam_17, Mova_17, Mozy_17, Ms6_16, MulchExplorer_19, MulchSalad_16, Mutaforma13_16, Nimbo_16, Nivrat_16, NormanBulbieJr_16, Ochi17_16, OfUltron_16, Ogopogo_19, Oksu_17, OldBen_16, OlympiaSaint_16, Ovechkin_16, OwlsT2W_18, PHappiness_16, PMC_16, Pacc40_16, Phalconet_16, Phanphagia_16, Phasih_17, Phatniss_17, PhesterPhotato_16, Philus_16, PhilipPhlop_16, Piper2020_17, Pippy_16, Plumbus_17, Poenanya_16, Polka14_17, PopTart_16, Priscilla_16, QuickMath_17, Quico_17, Radiance_16, Ramsey_17, RedBird_16, Rialto_18, RitaG_16, Rita_16, Rockne_16, RockyHorror_17, Royals2015_16, Ruby_16, SG4_16, Saal_16, Sandalphon_17, Sassafras_16, SassyB_16, Scottish_17, Sebastian_16, Seagreen_17, Shauna1_16, ShiLan_16, ShowerHandel_16, ShroomBoi_16, SiSi_16, SimranZ1_17, Slim_18, Sparkdehlily_16, Spikelee_17, Spoonbill_16, Squirty_17, StAnnes_16, Stap_17, Starcevich_17, Strokeseat_16, SuperGrey_17, SwagPigglett_16, TDanisky_16, Taj_16, Tchotchke_17, TootsiePop_17, Tootsieroll_17, Totinger_17, Tweety_16, UncleRicky_17, VRedHorse_16, Velveteen_17, Veteran_16, Violac_17, Vivum_16, Wachhund_16, Wee_17, Whatsapiecost_16, Whouxphf_16, WillSterrel_17, XFactor_16, Yorick_16, Zerg_16, Zizzle_16,

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

- DirtMcgirt_17, Sarma624_17,

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

• 244_26, 32HC_26, 8UZL_21, ABCat_23, APunk_36, Abblin_35, Abscondus_47, Acquire49_18, ActinUp_23, Adelaide_17, Adephagia_23, Adnama_27, Adonis_23, Adora_20, Aegeus_18, Agatha_18, Agent47_21, Ageofdapage_23, Aggie_18, Agueybana_19, AikoCarson_17, Ali17_31, AlishaPH_23, Alkhayr_54, AlumE_19, Amao_24, Amelie_19, AmericanBeauty_26, Amgine_21, Aminay_21, Amochick_22, Amohntion_22, Amok_17, Amymech_22, Anaya_24, AndPeggy_17, Andies_18, Angel_18, Angelica_23, Angelique_20, Annalisa_20, Annihilator_18, Antonio_19, Antsirabe_18, Aphelion_48, Apiary_45, Apocalypse_23, Applecrisp_22, Appletree2_18, ArchiDore_19, Archie_18, Archimedes_16, Archis_20, Argent26_26, Arib1_19, Ariel_34, Aroostook_18, Arti_41, Asayake_23, Ashwin_58, Asriel_23, Atcoo_19, Atiba_23, Attis_17, AuntGwenStacy_24, Auspice_28, AvadaKedavra_18, Avocado_18, Avrafan_18, Axym_18, Ayotoya_22, Aziz_32, Azrael100_39, AzulaCat_18, Azula_21, BAKA_34, BEEST_23, BGIlluviae_23, BPs_18, BQuat_18, BabeRuth_18, BaboJay_23, Babsiella_19, BabyMoney_21, Bachita_50, BadStone_23, BaghaKamala_23, Balomoji_23, Bantam_30, Baoshan_17, Barbarian_23, Barco_19, Barkley26_18, BarrelRoll_23, Bartholomew_19, Bask21_24, BatStarr_19, Baudelaire_18, Bavilard_18, BaxterFox_18, Bazzle_18, BearBQ_19, Becksu_24, BeeGee_20, Beelzebub_54, Beenie_20, Beezoo_23, Begonia_20, Bella96_23, Belladonna_23, Bellis_19, Belphegor_33, Bench_26, Bern_25, Bernal13_19, BetterKatz_22, Bhagsy_19, BiPauneto_44, Bialota_19, BigBubba_25, BigCheese_18, BigChungus_17, BigNuz_18, Biglebops_19, BilboSwaggins_24, BillDoor_20, Bipper_24, Birdsong_19, Biskit_19, Bjanes7_17, Blackbeetle_50, Blessica_57, BlingBling_19, Blino_19, Blizzard_23, Blondies_18, BlueNGold_100, Blueberry_21, Bobby_38, Bobquesha_25, BobsGarage_18, Bock_22, Bogie_18, Boiiii_23, Boilgate_20, Bombitas_33, Bongo_28, Bonum_44, Boopy_101, BoostSeason_19, Bora_54, Bosection6_18, Bosnia_19, BourbonZero_18, BoyNamedSue_19, Bradissa_20, BrainDrainer_19, Bran_17, Braxoaddie_45, Breezona_18, Bricole_28, BritBrat_20, Bromden_19, BruceB_18, Bruin_24, Brujita_19, Brusacoram_19, BrutonGaster_36, Bryler_22, Brylie_22, Buck_23, Buggaboo_42, BugsBunny_22, Bunnies_19, Bunnybear_18, Burnsey_18, Butters_18, Buttrmlkdreams_18, C3PO_31, CLED96_18, CREW_23, CactusJack_19, Cactus_25, Cain_22, CallaLilly_24, Calm_18, Cambiare_19, Camri_18, Camster_19, CanesSauce_18, Caprice_47, Capricorn_23, CaptainKirk2_19, Carcharodon_18, Cardigan_47, CarolAnn_19, Carsonalex_19, CaseJules_23, Cashline_20, CassieYates_18, Catdawg_56, Cedasite_18, Chance64_18, Chancellor_24, Charlie_18, Chaser_18, Chavito_23, CheetoDust_23, Cheetobro_24, Cherrybomb426_18, CherryonLim_19, Chewbacca_18, ChewyVIII_56, Chickadee_32, ChickenTender_20, ChocoMunchkin_18, Chop_22, ChosenOne_23, ChotaBhai_24, Chris_22, CicholasNage_18, Cjw1_24, Clap_17, Clark_20, Clarkson_51, Claus_18, Clautastrophe_19, Cleo_18, Clipper_25, ClubL_48, CoffeeBean_45, Coleslaw_18, Collard_21, Command613_25, Commandaria_43, Confidence_20, Constella_31, Contagion_23, Cookies_24, Corazon_48, Corndog_59, Cosmo_40, Courthouse_34, Cozz_18, Cracklewink_24, Crespo_18, CrimD_23, Crossroads_18, Cruella_31, CrystalP_24, Cucurbita_50, Culver_48, Curiosium_24, Cynthia_17, Czyszczone1_25, DHan_18, DMoney_18, DNAlll_0018, Daegal_23, Daikon_22, Dalilpop_46, Dalmuri_23, DanBing_17, Daredevil_29, Darionha_18, DARTH_22, Dartin_23, Darwin_34, DatBoi_31, Deby_23, DeepSoil15_22, DelRio_23, Delian_19, Delrey21_34, Denise_17, Devera_23, Dewey_22, Dextert_33, Diminimus_29, DirkDirk_18, DismalFunk_19, DismalStressor_19, DmpstrDiver_35, DobbysSock_19, DoctorDiddles_24, DoctorFroggo_34, Dogfish_21, Dole_23, Dolores_20, DonkeyMan_18, Donovan_19, Dorito_19, Douge_18, Doughnut_19, Douzhi_18, Dove_34, DrDrey_25, DrHayes_23, DrSeegs_18, Dre3_18, Dulcita_29, Dumbo_24, DumpsterDude_19, DuncansLeg_19,

Duplicity_18, Durfee_23, Dusk_23, Dusty_46, Dylan_56, Dynamo_19, DyoEdafos_19, ECartman_18, EGUunicorn_19, EMOore_31, EMSquaredA_20, Easley_20, Easy2Say_26, Ebert_17, Ecliptus_24, EdmundFerry_31, EdnaMode_17, Efra2_23, Ein37_22, Ejimix_37, Ekdilam_20, Elinal_19, Elliott_18, Elite2014_23, Ellie_20, Ellson_19, Elph10_25, Emalyn_17, Emerson_23, Emianna_41, Emmina_25, EnalisNailo_20, Enceladus_18, Engineer_49, EniyanLRS_37, Enkosi_19, Ennea_47, Eponine_24, Estes_33, Etoile_19, Eudoria_19, Eureka_24, Evanesce_22, Eviarto_19, Ewald_22, Eyre_17, FF47_21, Fairfaxidum_19, FairyPath_24, Faith1_18, Faith5x5_17, Faiyaz_24, Familton_57, Farewell_16, FarmResident_18, Feastonyeet_17, Fefferhead_22, FeliMaine_52, Fenry_18, Feyre_21, Filch_25, Findley_19, Finemlucis_18, Finkle_19, Finnry_19, Fionnbharth_24, FireRed_24, Firecracker_57, FirstPlacePfu_19, Fishburne_19, FlagStaff_18, Flapper_45, Float294_43, Floral_20, Flypotenuse_22, FoghornLeghorn_23, Forge_22, Forza_101, FoulBall_56, Foxboro_42, Francois_22, FreakyGoo_28, Frizzle_16, FroggyToad_17, Frokostdame_19, Frosty24_18, Fulbright_18, Fury_50, GAL1_20, GMA1_19, GMA2_30, GRU1_31, GTE2_16, GTE5_32, GTE6_32, GTE8_30, Gabriela_18, Gage_26, Gaia_16, Gambino_21, Gancho_21, Ganymede_24, Gardann_18, GardenSalsa_32, Gator_22, Gattaca_49, Gavriela_19, Geeche_47, GemG_17, Gemini_27, GenevaB15_32, Gengar_21, Geraldini_23, Gex_18, Ghobes_16, Gibbous_18, Gideon_18, Giles_22, Gizermo_17, Glaske16_29, Glaske_19, Glexan_22, GodonK_89, Goku_24, GoldHunter_19, GoldenAsh_18, GoldenSpark_26, Goldilocks_25, Gomashi_18, Gonephishing_32, GooberAzure_26, GoongGoong_49, GrandSlam_22, Gravallia_22, GreaseLightnin_19, Grizzly_18, GrootJr_43, Guacamole_19, Guanica15_23, Gudmit_18, Guillsminger_21, Gustav_18, GuuelaD_18, GuyFagieri_45, HC_19, HH92_22, HUHilltop_19, Hadrien_22, Hafay_18, Hail_22, Halena_18, Haley23_17, Halo_18, Hammy_22, Hamood_22, HanKaySha_25, Hanako_18, Hannaconda_31, Hans_35, Harella_23, HedwigODU_23, Heftyboy_21, Heinz_19, Henry_24, Herod_19, Hibiscus_18, Highbury_25, Hilltopfarm_24, HippoPololi_20, Hitter_19, Holt_25, Homura_23, Hoonter_26, Hope_18, Hopey_26, Horseradish_19, Hortense_20, Hotshotbaby7_18, Howe_20, HubbaBubba_39, HuffyPuff_23, Hughesyang_35, Hugley_19, Huphlepuuff_52, Hurricane_22, Hyperbowlee_23, Hyzer_19, IDyn_42, IHOP_24, IPhane7_28, Ibrahim_19, Icee_23, IdentityCrisis_17, Idergollasper_56, Illumine_23, Inca_23, Inky_23, Inspectinfecti_34, Invectra_21, InvictusManeo_21, Island3_19, Itos_18, Izel_27, JAWS_23, JCole_17, JF1_24, Jablanski_20, Jace_17, JacoRen57_17, Jalammah_21, Jamie19_18, Jane_18, JangDynasty_56, Jarvi_23, JasperJr_19, Jayhawk_23, JeTaime_26, Jebeks_19, Jeckyll_23, Jifall16_40, Jobypre_19, JoeDirt_18, JoieB_51, Jojo24_18, Jolene_18, Jolie2_18, JonJames_47, Jonghyun_18, JorRay_18, Journey_18, Joy99_23, JuJu_19, Jubie_19, Juicebox_19, Juliette_24, Jung_19, Juniormint_19, JustASigh_18, Kabluna_44, Kahlid_18, Kalah2_37, Kanye_26, KappaFarmDelta_19, Kareem_18, Kari_19, Kasen3_18, KashFlow_28, KayGee_18, Keshu_22, Kevin1_18, KiSi_22, KidneyBean_41, Kiko_20, KilKor_19, Kimchi1738_31, Kimchi_26, Kinbote_22, KingPhillip3_55, Kingsolomon_19, KirDoubleO7_17, Kita_19, Klein_37, KleverKiS_28, Kostya_24, Kratio_20, Kraw_25, Krili_55, Kropertea_18, Krueger_22, Krypton555_19, Ksquared_19, Kudrefre_27, Kumao_28, Kurt_41, Kuwabara_19, Kwekel_32, Lamberg_17, Langerak_19, LastHope_23, LaterM_23, Lauer_17, LeBron_18, LeMond_22, Lea83_23, Lebo14_25, Lemuria_19, Leonard_33, Leston_21, Lewan_18, Liefie_18, LilDestine_18, LilHazelnut_22, LilPharaoh_19, Lilac_26, Lilas_20, Lilbeanie_30, Lilbit_51, LilhomieP_27, Lilizi_26, Lilpickle_23, LindNT_23, LittleE_37, LittleLaf_50, LiyuLake_19, Llorens_23, Loadrie_18, Lollipop1437_46, Lolly9_19, LonelyBoi_20, LordFarquaad_17, LouisV14_18, Lozinak_48, Lton_17, Lucky10_18, Lucky2013_34, Luke_22, Lumos_19, Luna22_22, LunaStella_18,

Lunahalos_23, Lysidious_20, MAckerman_18, MAnor_18, MISSy_23, MPhalcon_23, MScarn_20, MacGully_50, MacKat_24, MacnCheese_23, Maco6_19, MadKillah_57, MadamMonkfish_24, Madeline_19, Magsby_18, Mahdia_18, Majeke_19, MakCheese_20, Malachai_20, MalagasyRose_24, Malibo_20, Maliketh_18, Malithi_19, Malthus_25, Manasvini_19, Manda_25, Mangethe_19, Marcoliusprime_19, Mareelih_99, Maridalia_18, Marietta_43, MarkPhew_23, Marleymoo_41, Marmie_18, Marshawn_24, Marshmallow_24, Marteena_20, Marvin_48, MaryV_40, Maselop_45, Matteo_17, Maxxinista_25, Mayweather_19, Mbo4_17, McMater_23, Mcklovin_20, Mdavv_19, MeaningOfLife_23, Megiddo_19, Megsy_23, MelBins_34, Melba_19, Mellie_18, Melville_18, Mendokysei_18, MerCougar_42, Mercurio_20, Meyran_21, MiaZeal_34, MichaelScott_20, MichelleMyBell_18, Miley16_18, Milly_19, Mindy_24, Minerva_37, MiniLon_19, MiniMac_19, Miniwave_24, MintFen_19, Miryou_21, Misfit_24, Miskis_46, MissDaisy_24, MissRona_21, Mitti_24, MkaliMitinis3_18, Mocha12_17, Moldemort_25, Mollymur_31, MooMoo_16, Moosehead_17, Moostard_19, Mori_56, Morkie_18, Morrissey_19, MortyNRick_19, MosMoris_48, Mosby_23, Mowgli_18, MrMagoo_32, MsGreen_19, Muddy_21, Mufasa_19, Mulch_22, MunkgeeRoachy_18, Murai_57, Murica_23, Murp_19, Murphy_25, Murucutumbu_23, Mynx_23, Myrale_24, Nadeem_22, NadineRae_41, Nairb_19, Nala_24, NancyRae_22, Nanosmite_32, NatB6_41, Natkenzie_35, Nazo_18, Nebkiss_17, Necropolis_19, Nekros_34, NelitzaMV_24, Nенаe_18, Neobush_19, Nergal_22, Nette_19, Nettuno_17, Netyap_18, Neville_28, Nibb_22, Nicholas_19, Nicholasp3_18, NiebruSaylor_55, Nikao_19, Niklas_23, Nimrod_24, Nina_19, Nitzel_17, NoShow_18, NoSleep_25, Norvs_49, NosilaM_44, November_22, NovumRegina_41, Nutello_19, Nyceirae_23, Nymphadora_19, OBUpride_22, ODay_25, Obliviate_18, OctaviousRex_18, Octobien14_28, Odette_36, OhShagHennessy_18, Ohgeesy_19, OkiRoe_21, Olga_18, Omega_36, OmniCritical_24, OneDirection_17, OneUp_42, Optimus_35, Oregano_20, OrionPax_25, Oscar_22, Outis_42, P1201_47, P3MA_18, PCoral7_19, PYPDinur_18, Pace1224_18, Padfoot_23, Padpat_23, Paito_18, Palpatine_24, Panchino_18, PantheRoc_19, Paola_21, Paperbeatsrock_26, Parada_22, Parmesanjohn_18, Pat3_23, Patio_44, Patt_24, Peanam_23, Peeb_18, Peel_23, PegLeg_28, Pepperoni_17, Periodt_18, PeteyPab_33, Petra64142_26, Petra_21, Phaja_24, Phalm_19, PhancyPhin_18, Pharb_22, Pharsalus_25, PhatBacter_24, Phauci_26, Phaux_23, Phayonce_18, Phegasus_19, PhelpsODU_22, Phendrix_87, Philonius_18, Phinally_33, Phineas_19, PhinkBoden_48, Phish_18, Phishy_22, Phloss_18, Phoebus_36, Phomeo_40, PhorbesPhlower_18, Phrank_22, Phrann_18, Phreak_18, PhriskyACE_19, PhrostedPhlake_20, Phrux_24, Piatt_23, Pickett_17, Pimento_23, PinkYoshi_18, Pinnie_19, Pipp_19, Pipsqueaks_18, Pixie_22, Plagueis_18, Pleakley_50, Poise_50, Pokerus_22, Policronamos_24, Polkaroo_19, Pollux_20, Polly_19, Polyuyuki_45, Pons_18, Poochiewood_18, Porcelain_33, Porky_24, Posh_20, PotPie_18, PotatoChip_34, Powerball_19, PrincePatrick_19, Pringar_50, Prithvi_23, PsychoKiller_18, Pumpkin_26, Puppies_18, Purgamenstris_18, Purky_18, Pygmy_18, Pytheas_20, Qualification_25, Quasar_18, Quby_18, QueenHazel_19, QuincyRose_22, REQ2_20, Rabbitrun_30, Rabbs_18, Raela_50, Rakim_25, Ramen_23, Rapunzel97_23, RavenCo17_17, Raymond7_18, Rearden_31, Rebel_18, Red305_19, RedBaron_19, RedRaider77_50, RedRaider_48, Redi_18, Redno2_35, Reindeer_26, Rem711_25, Remy19_18, Renaissance_18, Reptar3000_24, Rey_32, Reyja_19, Richo_23, Rimmer_23, RiverMonster_24, RoadKill_30, RonRayGun_19, Rose5_18, RoseMarie_29, Rosmarinus_23, Rossetti_18, Rubeelu_18, Rumpelstiltskin_18, Ruthiejr_23, Ruthy_19, Ryadel_60, Sahara_17, Saints25_25, SamScheppers_22, Samba_19, Samman98_20, Sampson_35, Samty_19, SamuelLPlaqson_23, Santhid_18, Sapo_16, Sarshaun_18, Sassay_23, Savage_17, Scarlett_22, Schatzie_34,

Schiebel_18, Schnauzer_18, SchoolBus_56, Schuy_57, Scioto_35, Scitech_18, Scuba_50, Sekhmet_20, Sephiroth_28, SgtBeansprout_19, ShaboiShabazz_18, Shaboozey_28, Shadow1_21, ShamWow_24, Shaobing_23, SheckWes_17, ShedlockHolmes_22, Sheng711_18, ShereKhan_26, ShiaSurprise_23, Shida_56, Shipwreck_18, Shlim410_20, ShrimpFriedEgg_18, Shweta_18, Sidious_19, Silvafighter_18, Silverleaf_18, Silvy_18, Simpliphy_25, SirDuracell_23, SirPhilip_22, Sixama_99, Sizemore_18, SketchMex_17, SkinnyPete_18, Skinny_29, Skysand_43, Slarp_24, Sleepyhead_18, SlimJimmy_27, Slimphazie_23, Smooch_59, Smoothie_49, Smurph_18, Sneeze_18, Snekmaggon_18, Snenia_19, SoJulia_18, SoSeph_21, Soap141_18, Socotra_19, SoilAssassin_17, Sonah_19, Sopespian_18, SophKB_24, Sotrice96_24, Sparky_16, SpeedDemon_320, Spock_23, SpongeBob_18, Sproutie_17, Squint_33, StAB_17, Stank_27, StarStruck_42, Starburst_19, Stargaze_18, Stark_25, SteamedHams_20, StellaBean_24, StevieRay_19, Stickynote_33, Stiles_17, Stinson_23, StolenFromERC_26, StormChicken_24, StressBall_19, Strobilo_19, Suerte_18, Sukkupi_43, Sulley_23, SummitAcademy_17, Sunflower1121_21, SuperSulley_42, Superphikiman_34, Suscepit_19, SweatNTears_20, Sweets_18, Syleon_28, Syra333_22, TBond007_22, TBrady12_26, TChen_17, TClif_22, TM4_19, TPA4_19, Tachez_23, Taheera_18, TaiwanKao_24, Tapioca_18, Taquito_22, Tardus_36, Tarkin_26, Tarzan_18, Tayonia_19, TeardropMSU_23, Teaspoon_25, Techage_19, Teejan_19, TelAviv_53, Terminus_24, Terror_18, Tesla_49, ThankyouJordi_18, Thespis_19, Thibault_33, Thimann_20, Thimble_24, ThreeRngTarjay_35, Thresher_25, ThulaThula_18, Thyatira_21, Tiamoceli_33, Tierra_22, TimTam_19, TinaBug_18, TingHuaYa_23, TiniBug_23, TinyDot_19, Tiri_23, Toast_19, Tolls_20, TomBrady_18, Tomaszewski_23, Toniann_48, Topper_23, Torres_19, Tortellini_18, Tortoise12_18, Toto_24, Tourach_18, Towmatter_29, Traaww1_22, Tracker_41, Trax_28, TreyKay_23, TriFive_19, TribbleTrouble_21, Trine_18, Troje_18, TruffulaTree_23, Trumpet_19, Tuco_25, TuertoX_17, Turuncu_45, Twinkle_20, Twitch_23, Twonlo_30, TyDawg_28, Typha_24, Typhonmacy_19, Tyson_18, UPIE_18, Ubuntu_22, Ukulele_24, UmaThurman_19, Underpass_18, Unicorn_22, Upyo_18, Urkel_23, Utz_19, Vagabond_56, Validus_23, Vasanti_17, VasuNzinga_50, Veliki_23, Venti_19, Verity_34, Vetrix_18, ViaConlectus_35, Vidya_19, Vine_19, ViviJ_20, Vordorf_22, Vorrrps_56, Walrus_20, Wamburgrxpress_18, Wanda_37, Waterfoul_21, Webster2_22, Weirido19_19, WelcomeAyanna_18, Wendigo_18, Whack_18, WheatThin_22, Wheezy_41, Whirlwind_20, Whiteclaw_17, Whitty_19, WhoseManz_43, Widow_18, Wiggin_27, Wigglewiggle_18, Wildcat_40, Wilder_18, Wildflower_56, Willez_23, WilliamBoone_48, William_19, Willsammy_19, Winget_57, WinkNick_20, Winky_18, Wintermute_24, Wishmaker_22, Wisp_18, Wocket_20, Wogge42_55, Wrigley_20, Wyatt2_18, Xandras_26, Xavia_19, Xeno_18, Xerxes_18, Ximenita_23, Xula_18, Y10_24, Y2_24, Yarn_17, YassJohnny_25, Yeet412_17, Yeezy_20, Yndexa_43, Youngblood_24, YoureAdopted_22, Yucky_20, Yummy_19, Yuna_24, YungJamal_61, Yunkel11_23, Yvonnetastic_45, Zabiza_23, Zakai_18, Zakhe101_56, Zameen_19, Zarbodnamra_19, Zaria_18, Zavala_23, Zebo_55, Zelink_38, ZenTime222_19, ZhongYanYuan_17, ZiggyZoo_18, Zilizebeth_19, Zion_34, Zipp_34, Zirinka_19, Zitch_36, ZoMa_18, Zodiariah_18, ZoeJ_19, Zombie_18, xkcd_25,

Summary by start number:

Start 17:

- Found in 5 of 1427 (0.4%) of genes in pham
- Manual Annotations of this start: 5 of 1256
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Azrael100_39 (V), Cosmo_40 (V), EniyanLRS_37 (V), MaryV_40 (V), Wildcat_40 (V),

Start 67:

- Found in 4 of 1427 (0.3%) 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 70:

- Found in 23 of 1427 (1.6%) of genes in pham
- Manual Annotations of this start: 1 of 1256
- Called 4.3% of time when present
- Phage (with cluster) where this start called: Appletree2_18 (L1),

Start 72:

- Found in 6 of 1427 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 1256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_24 (Y), Bipper_24 (Y), Cracklewink_24 (Y), Faiyaz_24 (Y), Hilltopfarm_24 (Y), Typha_24 (Y),

Start 80:

- Found in 23 of 1427 (1.6%) of genes in pham
- No Manual Annotations of this start.
- Called 4.3% of time when present
- Phage (with cluster) where this start called: Poochiewood_18 (L1),

Start 82:

- Found in 6 of 1427 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 1256
- 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 84:

- Found in 2 of 1427 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MalagasyRose_24 (AG), Nergal_22 (AG),

Start 86:

- Found in 24 of 1427 (1.7%) of genes in pham
- Manual Annotations of this start: 4 of 1256
- Called 25.0% of time when present
- Phage (with cluster) where this start called: GardenSalsa_32 (M2), GenevaB15_32 (M2), Izel_27 (M1), KleverKiS_28 (M1), MrMagoo_32 (M2), Yuna_24 (K6),

Start 87:

- Found in 1 of 1427 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1256
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Mercurio_20 (G4),

Start 88:

- Found in 1 of 1427 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RoseMarie_29 (M),

Start 89:

- Found in 1 of 1427 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lemuria_19 (G4),

Start 93:

- Found in 22 of 1427 (1.5%) of genes in pham
- Manual Annotations of this start: 2 of 1256
- Called 9.1% of time when present
- Phage (with cluster) where this start called: Auspice_28 (M1), Rey_32 (M2),

Start 95:

- Found in 55 of 1427 (3.9%) of genes in pham
- Manual Annotations of this start: 1 of 1256
- Called 1.8% of time when present
- Phage (with cluster) where this start called: Amgine_21 (K6),

Start 96:

- Found in 1 of 1427 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GAL1_20 (singleton),

Start 98:

- Found in 57 of 1427 (4.0%) of genes in pham
- Manual Annotations of this start: 41 of 1256
- Called 96.5% of time when present
- Phage (with cluster) where this start called: Acquire49_18 (L1), Aegeus_18 (L5), AvadaKedavra_18 (L1), Baudelaire_18 (L5), Bellis_19 (L3), BourbonZero_18 (L3), BrainDrainer_19 (L4), Bromden_19 (L4), Calm_18 (L1), Chaser_18 (L4), CicholasNage_18 (L1), Clautastrophe_19 (L3), DirkDirk_18 (L1), Douge_18 (L4), Douzhi_18 (L4), DuncansLeg_19 (L3), DyoEdafos_19 (L4), Ellson_19 (L3), Enceladus_18 (L1), FarmResident_18 (L4), Finnry_19 (L3), Halena_18 (L1), Jobypre_19 (L3), JoeDirt_18 (L1), Jubie_19 (L3), Kingsolomon_19 (L3), KirDoubleO7_17 (L3), Kropertea_18 (L4), Krypton555_19 (L3), LeBron_18 (L1), LiyuLake_19 (L3), Lolly9_19 (L3), Lumos_19 (L3), MAckerman_18 (L1), MiniLon_19 (L3), MiniMac_19 (L3), Moostard_19 (L3), MsGreen_19 (L3), Nicholas_19 (L3), OhShagHennessy_18 (L1), PYPDinur_18 (L4), Quby_18 (L4), Red305_19 (L3), Rose5_18 (L1), Samty_19 (L3), Sheng711_18 (L4), Silverleaf_18 (L1), Snenia_19 (L3), TriFive_19 (L3), Tyson_18 (L1), UPIE_18 (L1), Wamburggrxpress_18 (L1), Whirlwind_20 (L3), Wyatt2_18 (L1), Zaria_18 (L1),

Start 103:

- Found in 2 of 1427 (0.1%) of genes in pham

- Manual Annotations of this start: 2 of 1256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia_16 (X), Nebkiss_17 (X),

Start 104:

- Found in 32 of 1427 (2.2%) of genes in pham
- Manual Annotations of this start: 2 of 1256
- Called 6.2% of time when present
- Phage (with cluster) where this start called: Murai_57 (O), Wildflower_56 (O),

Start 106:

- Found in 57 of 1427 (4.0%) of genes in pham
- Manual Annotations of this start: 2 of 1256
- Called 3.5% of time when present
- Phage (with cluster) where this start called: Bogie_18 (P1), GreaseLightnin_19 (P1),

Start 109:

- Found in 39 of 1427 (2.7%) of genes in pham
- Manual Annotations of this start: 26 of 1256
- Called 76.9% 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), KingPhillip3_55 (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), Vorpps_56 (O), Winget_57 (O), Wogge42_55 (O), YungJamal_61 (O), Zakhe101_56 (O), Zebo_55 (O),

Start 111:

- Found in 146 of 1427 (10.2%) of genes in pham
- Manual Annotations of this start: 26 of 1256
- Called 20.5% 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), Kumao_28 (singleton), 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 112:

- Found in 4 of 1427 (0.3%) of genes in pham
- Manual Annotations of this start: 4 of 1256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adelaide_17 (EP), Bran_17 (EP), StAB_17 (EP), Stiles_17 (EP),

Start 114:

- Found in 24 of 1427 (1.7%) of genes in pham
- Manual Annotations of this start: 15 of 1256
- Called 66.7% of time when present

- Phage (with cluster) where this start called: Aziz_32 (M2), Bongo_28 (M1), Bricole_28 (M1), Diminimus_29 (M1), Dulcita_29 (M1), Estes_33 (M2), FreakyGoo_28 (M1), Glaske16_29 (M1), IPHane7_28 (M1), LilhomieP_27 (M1), Nanosmite_32 (M3), PegLeg_28 (M1), Skinny_29 (M1), SlimJimmy_27 (M1), TChen_17 (F4), TyDawg_28 (M1),

Start 117:

- Found in 69 of 1427 (4.8%) of genes in pham
- Manual Annotations of this start: 41 of 1256
- Called 65.2% of time when present
- Phage (with cluster) where this start called: 32HC_26 (Z), Amochick_22 (Q), Amymech_22 (Q), Bobquesha_25 (K4), BoostSeason_19 (K2), Daegal_23 (Q), DeepSoil15_22 (Q), Dewey_22 (Q), DismalFunk_19 (K2), DismalStressor_19 (K2), Doughnut_19 (K2), Ein37_22 (Q), Evanesce_22 (Q), Fefferhead_22 (K6), Findley_19 (K2), Forge_22 (Q), Gancho_21 (Q), Giles_22 (Q), Gravaillia_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), Weirido19_19 (AH), Wishmaker_22 (Q), ZoeJ_19 (K2),

Start 118:

- Found in 1 of 1427 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Reindeer_26 (M1),

Start 119:

- Found in 10 of 1427 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 1256
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Sixama_99 (DS),

Start 120:

- Found in 196 of 1427 (13.7%) of genes in pham
- Manual Annotations of this start: 139 of 1256
- Called 79.6% 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), Applecrisp_22 (K6), Asayake_23 (K1), Atiba_23 (K1), BEEEST_23 (K1), BGlluviae_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), Boiiii_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), Chavito_23 (K1), 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), Lea83_23 (K3), Lebo14_25 (K4), 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_18 (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), Teejan_19 (K1), Tierra_22 (K6), TingHuaYa_23 (K1), TiniBug_23 (K1), Tiri_23 (K1), Topper_23 (K1), Torres_19 (K1), TreyKay_23 (K1), TribbleTrouble_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 122:

- Found in 8 of 1427 (0.6%) of genes in pham
- Manual Annotations of this start: 7 of 1256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kudrefre_27 (DU1), Neville_28 (DU2), Octobien14_28 (DU1), Rabbitrun_30 (DU2), Sephiroth_28 (DU1), Syleon_28 (DU1), TPA4_19 (singleton), Trax_28 (DU2),

Start 123:

- Found in 16 of 1427 (1.1%) of genes in pham
- Manual Annotations of this start: 15 of 1256
- Called 100.0% 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 125:

- Found in 127 of 1427 (8.9%) of genes in pham
- Manual Annotations of this start: 46 of 1256
- Called 40.2% of time when present
- Phage (with cluster) where this start called: Arib1_19 (P1), Atcoo_19 (P1), Bartholomew_19 (P1), Bhagsy_19 (P1), BigNuz_18 (P4), BritBrat_20 (CY2), Brusacoram_19 (P1), Bunnies_19 (P1), CactusJack_19 (P1), Camster_19 (P1), Donovan_19 (P1), Dynamo_19 (P1), Etoile_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 129:

- Found in 233 of 1427 (16.3%) of genes in pham
- Manual Annotations of this start: 207 of 1256
- 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), Brookers_17 (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), Corium_16 (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), EmiMonkey_16 (F1), Emma_16 (F1), Emmaloid_18 (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), Jant_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), KingJulian_16 (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), Oksu_17 (F1), OldBen_16 (F1), OlympiaSaint_16 (F1), Ovechkin_16 (F1), OwlsT2W_18 (F1), PHappiness_16 (F1), PMC_16 (F1), Pacc40_16 (F1), Phalconet_16 (F1), Phanphagia_16 (F1), Phasih_17 (F1), Phatniss_17 (F1), PhesterPhotato_16 (F1), Philus_16 (F1), PhlipPhlop_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), Slim_18 (F1), Sparkdehlily_16 (F1), Spikelee_17 (F1), Spoonbill_16 (F1), Squirty_17 (F3), StAnnes_16 (F1), Stap_17 (F1), Starceвич_17 (F1), Strokeseat_16 (F1), SuperGrey_17 (F1), SwagPigglett_16 (F1), TDanisky_16 (F1), Taj_16 (F1), Tchotchke_17 (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), Violac_17 (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 131:

- Found in 99 of 1427 (6.9%) of genes in pham
- Manual Annotations of this start: 77 of 1256
- Called 98.0% of time when present
- Phage (with cluster) where this start called: Archie_18 (L2), Ariel_34 (J), BAKA_34 (J), Baoshan_17 (L2), Bazzle_18 (L2), Beelzebub_54 (S), BigCheese_18 (L2), Blackbeetle_50 (S), Bobby_38 (J), BobsGarage_18 (L2), Bombitas_33 (J), Breezona_18 (L2), Caprice_47 (S), Clarkson_51 (S), Claus_18 (L2), Constella_31 (J), Corazon_48 (S), Courthouse_34 (J), Crossroads_18 (L2), DHan_18 (L2), DanBing_17 (L2), DmpstrDiver_35 (J), Dove_34 (J), DrSeegs_18 (L2), Ejimix_37 (J), Faith1_18 (L2), Farewell_16 (AF), FeliMaine_52 (S), Finemlucis_18 (L2), Gabriela_18 (L2), Gardann_18 (L2), Gattaca_49 (S), Gonephishing_32 (J), GoongGoong_49 (S), GuuelaD_18 (L2), Hafay_18 (L2), Hannaconda_31 (J), Hughesyang_35 (J), Huphlepuuff_52 (S), Itos_18 (L2), JoieB_51 (S), Kahlid_18 (L2), Kalah2_37 (J), KashFlow_28 (J), Klein_37 (J), Lewan_18 (L2), LilDestine_18 (L2), Lilbit_51 (S), LittleE_37 (J), LittleLaf_50 (S), Loadrie_18 (L2), Lucky2013_34 (J), Marleymoo_41 (J), Marvin_48 (S), MiaZeal_34 (J), Miley16_18 (L2), Minerva_37 (J), MkaliMinitis3_18 (L2), MosMoris_48 (S), Nekros_34 (J), Netyap_18 (L2), Nicholasp3_18 (L2), Nitzel_17 (F1), Odette_36 (J), Omega_36 (J), Optimus_35 (J), Phoebus_36 (J), Poise_50 (S), Porcelain_33 (J), Pringar_50 (S), Raela_50 (S), Rearden_31 (J), RedRaider77_50 (S), Redno2_35 (J), Rossetti_18 (L2), Rumpelstiltskin_18 (L2), Sarshaun_18 (L2), Schatzie_34 (J), Shaboozey_28 (J), SoJulia_18 (L2), Soap141_18 (L2), Sparky_16 (AF), Squint_33 (J), Tesla_49 (S), Thibault_33 (J), ThreeRngTarjay_35 (J), Tourach_18 (L2), Underpass_18 (L2), VasuNzinga_50 (S), Vetrix_18 (L2), Wanda_37 (J), Wigglewiggle_18 (L2), Wilder_18 (L2), Winky_18 (L2), Zakai_18 (L2), Zelink_38 (J), ZhongYanYuan_17 (L2),

Start 133:

- Found in 8 of 1427 (0.6%) of genes in pham
- Manual Annotations of this start: 7 of 1256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bernal13_19 (T), Ibrahim_19 (T), Mendokysei_18 (T), Nairb_19 (T), Nette_19 (T), RonRayGun_19 (T), Whitty_19 (T), ZenTime222_19 (T),

Start 134:

- Found in 46 of 1427 (3.2%) of genes in pham
- Manual Annotations of this start: 43 of 1256
- 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), Tortoise12_18 (N), Xeno_18 (N), Xerxes_18 (N),

Start 136:

- Found in 1 of 1427 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MooMoo_16 (singleton),

Start 137:

- Found in 137 of 1427 (9.6%) of genes in pham
- Manual Annotations of this start: 79 of 1256
- Called 57.7% 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), Qualification_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 139:

- Found in 6 of 1427 (0.4%) of genes in pham
- Manual Annotations of this start: 6 of 1256
- 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 142:

- Found in 85 of 1427 (6.0%) of genes in pham
- Manual Annotations of this start: 43 of 1256
- Called 50.6% of time when present
- Phage (with cluster) where this start called: Angel_18 (G1), Annihilator_18 (G1), 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), IdentityCrisis_17 (singleton), 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), Plagueis_18 (G1), Renaissance_18 (G1), Schiebel_18 (G1), ShaboiShabazz_18 (G1), Taheera_18 (G1), Terror_18 (G1), TomBrady_18 (G1), ZoMa_18 (G1), Zombie_18 (G1),

Start 145:

- Found in 14 of 1427 (1.0%) of genes in pham
- Manual Annotations of this start: 2 of 1256
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Y10_24 (K4), Y2_24 (K4),

Start 146:

- Found in 3 of 1427 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cardigan_47 (DD), JonJames_47 (DD), Yvonnestic_45 (DD),

Start 147:

- Found in 30 of 1427 (2.1%) of genes in pham
- Manual Annotations of this start: 24 of 1256
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Angelique_20 (CY1), BearBQ_19 (DN), BeeGee_20 (CY), Birdsong_19 (DN), Bradissa_20 (CY1), Cashline_20 (CY), Confidence_20 (CY1), EMsquaredA_20 (CY1), Ecliptus_24 (DN), EnalisNailo_20 (CY1), Floral_20 (CY1), Jablanski_20 (CY), Kuwabara_19 (DN4), Lilas_20 (CY1), LonelyBoi_20 (CY), Lucky10_18 (DH), Marteena_20 (CY1), Morkie_18 (DH), MortyNRick_19 (DN), ODay_25 (DN), PhorbesPhlower_18 (DH), Pollux_20 (CY1), Posh_20 (CY), Pytheas_20 (CY), Wrigley_20 (CY),

Start 148:

- Found in 205 of 1427 (14.4%) of genes in pham
- Manual Annotations of this start: 2 of 1256
- Called 1.5% of time when present
- Phage (with cluster) where this start called: Antsirabe_18 (G5), Pinnie_19 (G3), Stargaze_18 (G5),

Start 150:

- Found in 53 of 1427 (3.7%) of genes in pham
- Manual Annotations of this start: 7 of 1256
- Called 34.0% of time when present
- Phage (with cluster) where this start called: AndPeggy_17 (CT), Biskit_19 (CT), Burnsey_18 (CT), CanesSauce_18 (CT), Carsonalex_19 (CT), CherryonLim_19 (CT), ChocoMunchkin_18 (CT), Elliott_18 (CT), GoldHunter_19 (CT), Pons_18 (CT), PotPie_18 (CT), PsychoKiller_18 (CT), RedBaron_19 (CT), SketchMex_17 (CT), Socotra_19 (CT), Sopespian_18 (CT), Starburst_19 (CT), Yucky_20 (CT),

Start 151:

- Found in 19 of 1427 (1.3%) of genes in pham

- Manual Annotations of this start: 2 of 1256
- Called 15.8% of time when present
- Phage (with cluster) where this start called: FlagStaff_18 (G2), Mollymur_31 (DL), Pace1224_18 (G2),

Start 152:

- Found in 21 of 1427 (1.5%) of genes in pham
- Manual Annotations of this start: 16 of 1256
- Called 85.7% 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_46 (CQ1), Norvs_49 (CQ1), OneUp_42 (CQ2), PhinkBoden_48 (CQ1), Smoothie_49 (CQ1), Toniann_48 (CQ1), WilliamBoone_48 (CQ1),

Start 153:

- Found in 7 of 1427 (0.5%) of genes in pham
- Manual Annotations of this start: 5 of 1256
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Bantam_30 (DL), Daredevil_29 (DL), DatBoi_31 (DL), Juicebox_19 (singleton), SpeedDemon_320 (DL), Towmatter_29 (DL),

Start 154:

- Found in 61 of 1427 (4.3%) of genes in pham
- Manual Annotations of this start: 33 of 1256
- Called 60.7% of time when present
- Phage (with cluster) where this start called: Agatha_18 (CT), AikoCarson_17 (CT), Amok_17 (CT), Axym_18 (CT), Bavailard_18 (CT), BigChungus_17 (CT), BillDoor_20 (CT), Blondies_18 (CT), Buttrmlkdreams_18 (CT), ChickenTender_20 (CT), Cleo_18 (CT), Cozz_18 (CT), Dre3_18 (CT), Elinal_19 (CT), Emalyn_17 (CT), Feastonyeet_17 (CT), Gibbous_18 (CT), HippoPololi_20 (CT), Horseradish_19 (CT), KayGee_18 (CT), Lauer_17 (CT), MAnor_18 (CT), MScarn_20 (CT), Mayweather_19 (CT), MunkgeeRoachy_18 (CT), Nina_19 (CT), Quasar_18 (CT), SheckWes_17 (CT), SteamedHams_20 (CT), SummitAcademy_17 (CT), SweatNTears_20 (CT), Tolls_20 (CT), Troje_18 (CT), Typhonmacy_19 (CT), Vine_19 (CT), Yarn_17 (CT), Yummy_19 (CT),

Start 155:

- Found in 65 of 1427 (4.6%) of genes in pham
- No Manual Annotations of this start.
- Called 1.5% of time when present
- Phage (with cluster) where this start called: Jolie2_18 (G4),

Start 156:

- Found in 6 of 1427 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 1256
- Called 66.7% of time when present
- Phage (with cluster) where this start called: BabyMoney_21 (DT), Nyceirae_23 (DT), Phishy_22 (DT), Vordorf_22 (DT),

Start 158:

- Found in 4 of 1427 (0.3%) of genes in pham
- Manual Annotations of this start: 4 of 1256
- 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 160:

- Found in 15 of 1427 (1.1%) of genes in pham
- Manual Annotations of this start: 11 of 1256
- 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), Puppies_18 (CD), Reyja_19 (DY), Santhid_18 (DY), Tarzan_18 (DY), Trine_18 (CD), Upyo_18 (CD), Widow_18 (CD),

Start 162:

- Found in 2 of 1427 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1256
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Malibo_20 (DW),

Start 163:

- Found in 2 of 1427 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1256
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Kiko_20 (DB),

Start 164:

- Found in 9 of 1427 (0.6%) of genes in pham
- Manual Annotations of this start: 4 of 1256
- Called 44.4% of time when present
- Phage (with cluster) where this start called: Dogfish_21 (DT), Ewald_22 (DT), Lilbeanie_30 (DE5), Meyran_21 (DT),

Start 166:

- Found in 22 of 1427 (1.5%) of genes in pham
- Manual Annotations of this start: 18 of 1256
- Called 81.8% 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 167:

- Found in 75 of 1427 (5.3%) of genes in pham
- Manual Annotations of this start: 53 of 1256
- Called 77.3% of time when present
- Phage (with cluster) where this start called: Adora_20 (CZ4), Agueybana_19 (CZ1), AlumE_19 (CZ1), Annalisa_20 (CZ4), Antonio_19 (CZ1), BatStarr_19 (CZ1), BaxterFox_18 (CZ3), Beenie_20 (CZ4), Bialota_19 (CZ1), Bosnia_19 (CZ1), BoyNamedSue_19 (CZ1), Bunnybear_18 (CZ), Clark_20 (CZ4), DobbysSock_19 (CZ4), Dolores_20 (CZ4), Dorito_19 (CZ4), Easley_20 (CZ4), Eudoria_19 (CZ1),

Eviarto_19 (CZ1), Herod_19 (CZ1), Hortense_20 (CZ4), Howe_20 (CZ4), Hugley_19 (CZ1), Hyzer_19 (CZ1), Invecra_21 (CZ4), Kita_19 (CZ1), Madeline_19 (CZ1), Manasvini_19 (CZ1), Maridalia_18 (CZ1), Mbo4_17 (singleton), Mcklovin_20 (CZ4), MichaelScott_20 (CZ4), Neobush_19 (CZ1), Nymphadora_19 (CZ1), Ohgeesy_19 (CZ), Oregano_20 (CZ4), PantheRoc_19 (CZ3), PhriskyACE_19 (CZ4), Polly_19 (CZ1), Powerball_19 (CZ4), Samman98_20 (CZ4), Sekhmet_20 (CZ4), Shlim410_20 (CZ4), Sidious_19 (CZ7), Suerte_18 (CZ4), Suscepit_19 (CZ1), Tayonia_19 (CZ1), ThankyouJordi_18 (CZ1), Thimann_20 (CZ4), TimTam_19 (CZ1), TinyDot_19 (singleton), Trumpet_19 (CZ1), Twinkle_20 (CZ4), WelcomeAyanna_18 (CZ1), WinkNick_20 (CZ4), Yeezy_20 (CZ3), Zameen_19 (CZ1), Zirinka_19 (CZ1),

Start 168:

- Found in 23 of 1427 (1.6%) of genes in pham
- Manual Annotations of this start: 11 of 1256
- Called 56.5% 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), REQ2_20 (singleton), RoadKill_30 (DE3), Tiamoceli_33 (DE3), Twonlo_30 (DE3), Whack_18 (singleton),

Start 169:

- Found in 34 of 1427 (2.4%) of genes in pham
- Manual Annotations of this start: 31 of 1256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Attis_17 (CZ2), Bjanes7_17 (CZ2), Clap_17 (CZ2), Cynthia_17 (CZ2), Denise_17 (CZ5), Ebert_17 (CZ2), EdnaMode_17 (CZ2), Eyre_17 (singleton), Faith5x5_17 (CZ6), FroggyToad_17 (CZ2), GemG_17 (CZ2), Gizermo_17 (CZ2), Gudmit_18 (singleton), Haley23_17 (CZ2), JCole_17 (CZ2), Lamberg_17 (CZ2), LordFarquaad_17 (CZ2), Lton_17 (CZ), Matteo_17 (CZ2), Mocha12_17 (CZ2), Moosehead_17 (CZ6), Nettuno_17 (CZ2), OneDirection_17 (CZ6), Pepperoni_17 (CZ), Pickett_17 (CZ2), RavenCo17_17 (CZ8), Sahara_17 (CZ2), Savage_17 (CZ2), SoilAssassin_17 (CZ2), Sproutie_17 (CZ2), TueritoX_17 (CZ2), Vasanti_17 (CZ2), Whiteclaw_17 (CZ2), Yeet412_17 (CZ2),

Start 171:

- Found in 51 of 1427 (3.6%) of genes in pham
- Manual Annotations of this start: 46 of 1256
- Called 92.2% of time when present
- Phage (with cluster) where this start called: Archimedes_16 (DA), Archis_20 (CV), Azula_21 (CV), Barco_19 (CV), Begonia_20 (CV), BlingBling_19 (CV), Blino_19 (CV), Blueberry_21 (CV), CaptainKirk2_19 (CV), CarolAnn_19 (CV), Delian_19 (CV), Fairfaxidum_19 (CV), Fenry_18 (CV), Frizzle_16 (DA), Frokostdame_19 (CV), Gambino_21 (CV), Ghobes_16 (DA), Guacamole_19 (CV), Hitter_19 (CV), Jalammah_21 (CV), JasperJr_19 (CV), JuJu_19 (CV), KappaFarmDelta_19 (CV), Lysidious_20 (CV), Malachai_20 (CV), Melba_19 (CV), Mellie_18 (CV), MintFen_19 (CV), MissRona_21 (CV), Murp_19 (CV), Obliviate_18 (CV), PCoral7_19 (CV), Petra_21 (CV), PhrostedPhlake_20 (CV), Pipp_19 (CV), PrincePatrick_19 (CV), Samba_19 (CV), Sapo_16 (DA), Toast_19 (CV), UmaThurman_19 (CV), Utz_19 (CV), Walrus_20 (CV), William_19 (CV), Wisp_18 (CV), Wocket_20 (CV), Zarbodnamra_19 (CV), ZiggyZoo_18 (CV),

Start 172:

- Found in 20 of 1427 (1.4%) of genes in pham

- Manual Annotations of this start: 16 of 1256
- 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 173:

- Found in 2 of 1427 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1256
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Sleepyhead_18 (singleton),

Start 178:

- Found in 49 of 1427 (3.4%) of genes in pham
- Manual Annotations of this start: 37 of 1256
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Arti_41 (CR2), Bonum_44 (CR2), Buggaboo_42 (CR2), Commandaria_43 (CR2), Dalilpop_46 (CR1), Emianna_41 (CR2), Ennea_47 (CR3), Flapper_45 (CR1), Float294_43 (CR3), Foxboro_42 (CR2), Fury_50 (CR5), GRU1_31 (CR1), GTE5_32 (CR1), GTE8_30 (CR2), GrootJr_43 (CR2), HubbaBubba_39 (CR4), IDyn_42 (CR4), Jifall16_40 (CR2), Kabluna_44 (CR2), KidneyBean_41 (CR2), Kurt_41 (CR2), Lollipop1437_46 (CR3), MerCougar_42 (CR2), NadineRae_41 (CR4), NatB6_41 (CR2), NosilaM_44 (CR2), NovumRegina_41 (CR2), Outis_42 (CR2), Patio_44 (CR3), Phomeo_40 (CR2), Pleakley_50 (CR5), RedRaider_48 (CR3), Scuba_50 (CR5), Skysand_43 (CR3), StarStruck_42 (CR2), Sukkupi_43 (CR4), SuperSulley_42 (CR2), Tracker_41 (CR2), Turuncu_45 (CR1), Wheezy_41 (CR2), WhoseManz_43 (CR4), Yndexa_43 (CR4),

Start 179:

- Found in 2 of 1427 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Finkle_19 (singleton), GMA1_19 (singleton),

Start 180:

- Found in 5 of 1427 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 1256
- Called 40.0% of time when present
- Phage (with cluster) where this start called: ArchiDore_19 (DW), Ruthy_19 (DW),

Start 181:

- Found in 1 of 1427 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: P1201_47 (singleton),

Start 183:

- Found in 9 of 1427 (0.6%) of genes in pham
- Manual Annotations of this start: 8 of 1256
- Called 88.9% of time when present

- Phage (with cluster) where this start called: C3PO_31 (EN), Cruella_31 (EN), Darwin_34 (EN), Kimchi1738_31 (EN), PeteyPab_33 (EN), PotatoChip_34 (EN), Stickynote_33 (EN), Zion_34 (EN),

Start 184:

- Found in 48 of 1427 (3.4%) of genes in pham
- Manual Annotations of this start: 1 of 1256
- Called 2.1% of time when present
- Phage (with cluster) where this start called: ChewyVIII_56 (singleton),

Start 185:

- Found in 25 of 1427 (1.8%) of genes in pham
- No Manual Annotations of this start.
- Called 12.0% of time when present
- Phage (with cluster) where this start called: Abblin_35 (DE4), Natkenzie_35 (DE4), Scioto_35 (DE4),

Start 187:

- Found in 18 of 1427 (1.3%) of genes in pham
- Manual Annotations of this start: 8 of 1256
- Called 44.4% of time when present
- Phage (with cluster) where this start called: Apiary_45 (CR6), BiPauneto_44 (CR4), Braxoaddie_45 (CR6), CoffeeBean_45 (CR6), GuyFagieri_45 (CR6), MacGully_50 (CR), Maselop_45 (CR6), Polyyuki_45 (CR6),

Start 190:

- Found in 58 of 1427 (4.1%) of genes in pham
- No Manual Annotations of this start.
- Called 1.7% of time when present
- Phage (with cluster) where this start called: MakCheese_20 (DW),

Start 203:

- Found in 171 of 1427 (12.0%) of genes in pham
- Manual Annotations of this start: 47 of 1256
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Amao_24 (E), Asriel_23 (E), Barbarian_23 (E), Bask21_24 (E), Becksu_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), FoghornLeghorn_23 (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), StormChicken_24 (E), Superphikiman_34 (J), TBrady12_26 (E), Thimble_24 (E), Toto_24 (E), Willez_23 (E), Xandras_26 (E), YassJohnny_25 (E), Youngblood_24 (E), xkcd_25 (E),

Start 207:

- Found in 75 of 1427 (5.3%) of genes in pham
- Manual Annotations of this start: 1 of 1256

- Called 1.3% of time when present
- Phage (with cluster) where this start called: Marietta_43 (CR4),

Start 209:

- Found in 1 of 1427 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jace_17 (singleton),

Start 226:

- Found in 38 of 1427 (2.7%) of genes in pham
- No Manual Annotations of this start.
- Called 2.6% of time when present
- Phage (with cluster) where this start called: GTE2_16 (CT),

Start 232:

- Found in 454 of 1427 (31.8%) of genes in pham
- Manual Annotations of this start: 2 of 1256
- Called 0.4% of time when present
- Phage (with cluster) where this start called: DirtMcgirt_17 (F1), Sarma624_17 (F1),

Start 244:

- Found in 190 of 1427 (13.3%) of genes in pham
- Manual Annotations of this start: 1 of 1256
- Called 0.5% of time when present
- Phage (with cluster) where this start called: Cjw1_24 (E),

Summary by clusters:

There are 95 clusters represented in this pham: G5, G4, G3, G2, G1, CQ2, CQ1, T, X, CZ8, CZ2, CZ3, CZ1, CZ6, CZ7, CZ4, CZ5, EN, M1, M3, M2, P2, P3, P1, P6, P4, P5, O, S, EP, CR2, CR3, CR1, CR6, CR4, CR5, DE2, DE3, DE4, DE5, singleton, K3, K2, K1, K7, K6, K5, K4, K8, DN4, DU1, DU2, F, J, N, CZ, CY, V, CR, Z, CV, CT, F1, F3, F4, DN, DL, DK, DH, DI, DD, DE, DB, DA, DY, DW, DT, DS, I1, CY2, CY1, AB, E, AG, AF, AH, M, Q, L4, L5, L2, L3, L1, Y, CD,

Info for manual annotations of cluster AB:

- Start number 82 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AF:

- Start number 131 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 84 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AH:

- Start number 117 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster CD:

- Start number 160 was manually annotated 6 times for cluster CD.
- Start number 168 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster CQ1:

- Start number 152 was manually annotated 14 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 152 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CR:

- Start number 187 was manually annotated 1 time for cluster CR.

Info for manual annotations of cluster CR1:

- Start number 178 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 178 was manually annotated 20 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 178 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 178 was manually annotated 6 times for cluster CR4.
- Start number 187 was manually annotated 1 time for cluster CR4.
- Start number 207 was manually annotated 1 time for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 178 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster CR6:

- Start number 187 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CT:

- Start number 150 was manually annotated 7 times for cluster CT.
- Start number 154 was manually annotated 33 times for cluster CT.

Info for manual annotations of cluster CV:

- Start number 171 was manually annotated 42 times for cluster CV.

Info for manual annotations of cluster CY:

- Start number 147 was manually annotated 7 times for cluster CY.

Info for manual annotations of cluster CY1:

- Start number 147 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 125 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CZ:

- Start number 167 was manually annotated 2 times for cluster CZ.
- Start number 169 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 167 was manually annotated 25 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 169 was manually annotated 23 times for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 167 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 167 was manually annotated 21 times for cluster CZ4.

Info for manual annotations of cluster CZ5:

- Start number 169 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 169 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster CZ7:

- Start number 167 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster CZ8:

- Start number 169 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DA:

- Start number 171 was manually annotated 4 times for cluster DA.

Info for manual annotations of cluster DB:

- Start number 163 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DD:

- Start number 146 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DE:

- Start number 166 was manually annotated 1 time for cluster DE.

Info for manual annotations of cluster DE2:

- Start number 166 was manually annotated 8 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 168 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 166 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 164 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DH:

- Start number 147 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DI:

- Start number 172 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DK:

- Start number 168 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:

- Start number 151 was manually annotated 1 time for cluster DL.
- Start number 153 was manually annotated 4 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 147 was manually annotated 4 times for cluster DN.

Info for manual annotations of cluster DN4:

- Start number 147 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DS:

- Start number 119 was manually annotated 1 time for cluster DS.
- Start number 158 was manually annotated 4 times for cluster DS.

Info for manual annotations of cluster DT:

- Start number 156 was manually annotated 2 times for cluster DT.
- Start number 164 was manually annotated 3 times for cluster DT.

Info for manual annotations of cluster DU1:

- Start number 122 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 122 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster DW:

- Start number 162 was manually annotated 1 time for cluster DW.
- Start number 172 was manually annotated 1 time for cluster DW.
- Start number 180 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:

- Start number 160 was manually annotated 5 times for cluster DY.

Info for manual annotations of cluster E:

- Start number 137 was manually annotated 78 times for cluster E.
- Start number 203 was manually annotated 46 times for cluster E.
- Start number 244 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster EN:

- Start number 183 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster EP:

- Start number 112 was manually annotated 4 times for cluster EP.

Info for manual annotations of cluster F1:

- Start number 129 was manually annotated 206 times for cluster F1.
- Start number 131 was manually annotated 1 time for cluster F1.
- Start number 232 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 129 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 114 was manually annotated 1 time for cluster F4.

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

Info for manual annotations of cluster G1:

- Start number 111 was manually annotated 20 times for cluster G1.
- Start number 142 was manually annotated 40 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 142 was manually annotated 2 times for cluster G2.
- Start number 151 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:

- Start number 148 was manually annotated 1 time for cluster G3.

Info for manual annotations of cluster G4:

- Start number 87 was manually annotated 1 time for cluster G4.
- Start number 89 was manually annotated 1 time for cluster G4.

Info for manual annotations of cluster G5:

- Start number 148 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster I1:

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

Info for manual annotations of cluster J:

- Start number 131 was manually annotated 29 times for cluster J.
- Start number 203 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster K1:

- Start number 111 was manually annotated 2 times for cluster K1.
- Start number 117 was manually annotated 2 times for cluster K1.
- Start number 120 was manually annotated 99 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 117 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 120 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 117 was manually annotated 4 times for cluster K4.
- Start number 120 was manually annotated 13 times for cluster K4.
- Start number 145 was manually annotated 2 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 123 was manually annotated 15 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 86 was manually annotated 1 time for cluster K6.
- Start number 95 was manually annotated 1 time for cluster K6.
- Start number 111 was manually annotated 3 times for cluster K6.
- Start number 117 was manually annotated 1 time for cluster K6.
- Start number 120 was manually annotated 16 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 120 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 120 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 70 was manually annotated 1 time for cluster L1.
- Start number 98 was manually annotated 18 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 131 was manually annotated 28 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 98 was manually annotated 17 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 98 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 98 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 93 was manually annotated 1 time for cluster M1.
- Start number 114 was manually annotated 11 times for cluster M1.
- Start number 118 was manually annotated 1 time for cluster M1.

Info for manual annotations of cluster M2:

- Start number 86 was manually annotated 3 times for cluster M2.
- Start number 93 was manually annotated 1 time for cluster M2.
- Start number 114 was manually annotated 2 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 114 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:

- Start number 134 was manually annotated 43 times for cluster N.

Info for manual annotations of cluster O:

- Start number 104 was manually annotated 2 times for cluster O.
- Start number 109 was manually annotated 26 times for cluster O.

Info for manual annotations of cluster P1:

- Start number 106 was manually annotated 2 times for cluster P1.
- Start number 125 was manually annotated 38 times for cluster P1.

Info for manual annotations of cluster P2:

- Start number 125 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 125 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:

- Start number 125 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 125 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:

- Start number 125 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster Q:

- Start number 117 was manually annotated 22 times for cluster Q.

Info for manual annotations of cluster S:

- Start number 131 was manually annotated 17 times for cluster S.

Info for manual annotations of cluster T:

- Start number 133 was manually annotated 7 times for cluster T.

Info for manual annotations of cluster V:

- Start number 17 was manually annotated 5 times for cluster V.

Info for manual annotations of cluster X:

- Start number 103 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 72 was manually annotated 4 times for cluster Y.

Info for manual annotations of cluster Z:

- Start number 117 was manually annotated 1 time for cluster Z.

Gene Information:

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

Candidate Starts for 244_26:

(Start: 137 @20026 has 79 MA's), (Start: 203 @20110 has 47 MA's), (Start: 244 @20188 has 1 MA's), (274, 20275), (287, 20290), (309, 20338), (321, 20377), (353, 20464), (365, 20497), (379, 20533), (388, 20563), (390, 20569), (409, 20638), (435, 20668), (438, 20680), (439, 20683), (458, 20740), (518, 20872), (519, 20878), (538, 20944), (541, 20950), (549, 20974), (568, 21022), (578, 21046), (582, 21055), (606, 21130), (643, 21181), (650, 21196), (698, 21358), (704, 21385), (713, 21415), (747, 21520), (786, 21598), (797, 21634), (800, 21643), (808, 21676), (813, 21691),

Gene: 32HC_26 Start: 18979, Stop: 20718, Start Num: 117

Candidate Starts for 32HC_26:

(Start: 117 @18979 has 41 MA's), (193, 19051), (Start: 232 @19114 has 2 MA's), (252, 19171), (314, 19351), (340, 19414), (355, 19465), (362, 19486), (380, 19531), (439, 19648), (440, 19651), (467, 19735), (468, 19738), (470, 19753), (475, 19771), (504, 19831), (603, 20098), (623, 20161), (637, 20209), (716, 20434), (721, 20452), (756, 20536), (786, 20605), (809, 20689), (810, 20692), (817, 20710),

Gene: 8UZL_21 Start: 16005, Stop: 17855, Start Num: 82

Candidate Starts for 8UZL_21:

(67, 15969), (Start: 82 @16005 has 4 MA's), (Start: 145 @16083 has 2 MA's), (190, 16143), (Start: 232 @16209 has 2 MA's), (251, 16260), (255, 16275), (256, 16278), (369, 16584), (388, 16641), (407, 16689), (409, 16692), (432, 16755), (439, 16776), (446, 16794), (459, 16839), (462, 16848), (467, 16863), (472, 16887), (519, 16998), (531, 17037), (536, 17058), (549, 17094), (550, 17097), (569, 17139), (575, 17154), (578, 17160), (689, 17469), (691, 17478), (693, 17484), (697, 17496), (704, 17526), (709, 17544), (711, 17550), (756, 17670), (774, 17727), (807, 17814), (809, 17823),

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

Candidate Starts for ABCat_23:

(Start: 137 @19745 has 79 MA's), (Start: 203 @19829 has 47 MA's), (Start: 244 @19907 has 1 MA's), (274, 19994), (287, 20009), (309, 20057), (321, 20096), (353, 20183), (365, 20216), (379, 20252), (388, 20282), (390, 20288), (409, 20357), (435, 20387), (438, 20399), (439, 20402), (458, 20459), (518, 20591), (519, 20597), (538, 20663), (541, 20669), (549, 20693), (568, 20741), (578, 20765), (582, 20774), (606, 20849), (643, 20900), (650, 20915), (698, 21077), (704, 21104), (713, 21134), (747, 21239), (786, 21317), (797, 21353), (800, 21362), (808, 21395), (813, 21410),

Gene: APunk_36 Start: 30211, Stop: 31833, Start Num: 166

Candidate Starts for APunk_36:

(Start: 119 @30154 has 1 MA's), (Start: 166 @30211 has 18 MA's), (185, 30232), (194, 30244), (230, 30295), (245, 30334), (253, 30358), (280, 30430), (315, 30517), (338, 30568), (347, 30598), (376, 30679), (385, 30706), (440, 30805), (451, 30835), (454, 30844), (463, 30877), (464, 30880), (479, 30940), (517, 30988), (519, 30997), (550, 31096), (566, 31135), (572, 31147), (622, 31291), (629, 31315), (648, 31342), (677, 31402), (678, 31405), (685, 31432), (689, 31447), (702, 31504), (705, 31516), (720, 31564), (723, 31573), (725, 31579), (733, 31600), (746, 31633), (761, 31678), (786, 31729), (808, 31807), (810, 31816),

Gene: Abblin_35 Start: 30775, Stop: 32376, Start Num: 185

Candidate Starts for Abblin_35:

(Start: 166 @30754 has 18 MA's), (185, 30775), (194, 30787), (230, 30838), (253, 30901), (280, 30973), (315, 31060), (338, 31111), (347, 31141), (376, 31222), (385, 31249), (440, 31348), (451, 31378), (454, 31387), (463, 31420), (464, 31423), (465, 31426), (468, 31435), (479, 31483), (517, 31531), (519, 31540), (550, 31639), (566, 31678), (572, 31690), (613, 31807), (625, 31846), (648, 31885), (676, 31942), (687, 31981), (689, 31990), (702, 32047), (705, 32059), (723, 32116), (725, 32122), (733, 32143), (746, 32176), (761, 32221), (808, 32350), (810, 32359),

Gene: Abscondus_47 Start: 29340, Stop: 31031, Start Num: 152

Candidate Starts for Abscondus_47:

(Start: 152 @29340 has 16 MA's), (193, 29400), (214, 29433), (Start: 232 @29463 has 2 MA's), (233, 29466), (296, 29625), (299, 29634), (348, 29763), (363, 29811), (458, 30024), (459, 30030), (467, 30054), (524, 30183), (531, 30204), (541, 30237), (605, 30435), (678, 30588), (704, 30687), (707, 30699), (710, 30708), (740, 30792), (798, 30939), (807, 30975),

Gene: Acquire49_18 Start: 16746, Stop: 18515, Start Num: 98

Candidate Starts for Acquire49_18:

(Start: 70 @16683 has 1 MA's), (80, 16704), (85, 16719), (Start: 98 @16746 has 41 MA's), (174, 16839), (Start: 207 @16887 has 1 MA's), (210, 16893), (236, 16920), (237, 16923), (239, 16929), (261, 17001), (266, 17010), (278, 17034), (285, 17049), (295, 17079), (344, 17205), (346, 17214), (352, 17235), (357, 17250), (382, 17319), (393, 17355), (404, 17376), (447, 17445), (458, 17484), (517, 17622), (520, 17634), (543, 17709), (545, 17715), (550, 17733), (563, 17772), (575, 17805), (579, 17814), (583, 17823), (586, 17832), (587, 17835), (628, 17955), (638, 17991), (672, 18039), (675, 18051), (689, 18105), (715, 18201), (720, 18219), (722, 18225), (723, 18228), (736, 18261), (744, 18285), (764, 18348), (779, 18390), (794, 18429), (800, 18447), (805, 18468), (810, 18489),

Gene: ActinUp_23 Start: 17157, Stop: 18923, Start Num: 120

Candidate Starts for ActinUp_23:

(Start: 120 @17157 has 139 MA's), (Start: 148 @17187 has 2 MA's), (245, 17346), (255, 17379), (265, 17409), (280, 17442), (287, 17454), (315, 17544), (333, 17586), (358, 17658), (360, 17667), (376, 17706), (390, 17751), (397, 17772), (398, 17775), (433, 17829), (439, 17847), (454, 17889), (456, 17895), (463, 17922), (517, 18060), (521, 18078), (533, 18120), (540, 18138), (551, 18168), (564, 18195), (604, 18300), (666, 18459), (677, 18495), (685, 18525), (688, 18534), (707, 18609), (723, 18660), (761, 18759), (800, 18855), (809, 18894), (810, 18897), (817, 18915),

Gene: Adelaide_17 Start: 16318, Stop: 18015, Start Num: 112

Candidate Starts for Adelaide_17:

(Start: 112 @16318 has 4 MA's), (130, 16339), (202, 16423), (217, 16450), (221, 16456), (286, 16588), (304, 16639), (313, 16672), (321, 16696), (365, 16816), (378, 16849), (384, 16867), (405, 16921), (442, 16966), (458, 17023), (461, 17035), (471, 17074), (510, 17134), (518, 17155), (520, 17164), (539, 17221), (572, 17311), (610, 17419), (627, 17473), (629, 17479), (634, 17497), (681, 17593), (688, 17614), (699, 17659), (750, 17818), (753, 17833), (758, 17848), (761, 17860), (813, 18004),

Gene: Adephagia_23 Start: 17154, Stop: 18920, Start Num: 120

Candidate Starts for Adephagia_23:

(Start: 120 @17154 has 139 MA's), (Start: 148 @17184 has 2 MA's), (245, 17343), (255, 17376), (265, 17406), (280, 17439), (287, 17451), (315, 17541), (333, 17583), (358, 17655), (360, 17664), (376, 17703), (390, 17748), (397, 17769), (398, 17772), (433, 17826), (439, 17844), (454, 17886), (456, 17892), (463, 17919), (517, 18057), (521, 18075), (533, 18117), (540, 18135), (551, 18165), (564, 18192), (604, 18297), (666, 18456), (677, 18492), (685, 18522), (688, 18531), (707, 18606), (723, 18657), (761, 18756), (800, 18852), (809, 18891), (810, 18894), (817, 18912),

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

Candidate Starts for Adnama_27:

(Start: 137 @20253 has 79 MA's), (Start: 203 @20337 has 47 MA's), (Start: 244 @20415 has 1 MA's), (274, 20502), (287, 20517), (309, 20565), (321, 20604), (353, 20691), (365, 20724), (379, 20760), (388, 20790), (390, 20796), (409, 20865), (435, 20895), (438, 20907), (439, 20910), (458, 20967), (518, 21099), (519, 21105), (538, 21171), (541, 21177), (549, 21201), (568, 21249), (578, 21273), (582, 21282), (606, 21357), (643, 21408), (650, 21423), (698, 21585), (704, 21612), (713, 21642), (747, 21747), (786, 21825), (797, 21861), (800, 21870), (808, 21903), (813, 21918),

Gene: Adonis_23 Start: 17160, Stop: 18926, Start Num: 120

Candidate Starts for Adonis_23:

(Start: 120 @17160 has 139 MA's), (Start: 148 @17190 has 2 MA's), (245, 17349), (255, 17382), (265, 17412), (280, 17445), (287, 17457), (315, 17547), (333, 17589), (358, 17661), (360, 17670), (376, 17709), (390, 17754), (397, 17775), (398, 17778), (433, 17832), (439, 17850), (454, 17892), (456, 17898), (463, 17925), (517, 18063), (521, 18081), (533, 18123), (540, 18141), (551, 18171), (564, 18198), (604, 18303), (666, 18462), (677, 18498), (688, 18537), (707, 18612), (723, 18663), (800, 18858), (809, 18897), (810, 18900), (817, 18918),

Gene: Adora_20 Start: 17855, Stop: 19435, Start Num: 167

Candidate Starts for Adora_20:

(83, 17738), (Start: 167 @17855 has 53 MA's), (302, 18113), (310, 18134), (327, 18188), (344, 18227), (361, 18284), (370, 18305), (456, 18476), (460, 18494), (468, 18518), (472, 18539), (513, 18581), (543, 18662), (584, 18752), (604, 18803), (621, 18854), (622, 18857), (637, 18911), (680, 19001), (761, 19280), (764, 19289), (774, 19319),

Gene: Aegeus_18 Start: 16306, Stop: 18069, Start Num: 98

Candidate Starts for Aegeus_18:

(80, 16267), (85, 16282), (Start: 98 @16306 has 41 MA's), (Start: 120 @16327 has 139 MA's), (201, 16429), (210, 16444), (239, 16480), (262, 16555), (266, 16561), (274, 16579), (278, 16585), (280, 16591), (331, 16723), (344, 16756), (347, 16768), (353, 16789), (404, 16927), (447, 16996), (451, 17011), (455, 17023), (458, 17035), (460, 17044), (469, 17083), (472, 17089), (477, 17107), (485, 17137), (517, 17179), (543, 17266), (554, 17302), (563, 17329), (579, 17371), (586, 17389), (587, 17392), (589, 17395), (613, 17467), (614, 17470), (635, 17536), (638, 17548), (672, 17596), (689, 17662), (695, 17680), (704, 17722), (709, 17740), (723, 17785), (725, 17791), (759, 17887), (761, 17896), (764, 17905), (785, 17953), (787, 17956), (794, 17983), (800, 18001), (802, 18010), (805, 18022), (808, 18034), (810, 18043), (815, 18055),

Gene: Agatha_18 Start: 15732, Stop: 17429, Start Num: 154

Candidate Starts for Agatha_18:

(Start: 150 @15729 has 7 MA's), (Start: 154 @15732 has 33 MA's), (265, 15942), (313, 16065), (334, 16116), (362, 16203), (375, 16233), (380, 16248), (384, 16260), (432, 16338), (436, 16350), (446, 16377), (454, 16410), (463, 16443), (467, 16455), (477, 16497), (535, 16620), (558, 16692), (587, 16770), (591, 16785), (599, 16803), (620, 16860), (666, 16953), (677, 16989), (679, 17001), (681, 17007), (685, 17019), (688, 17028), (706, 17100), (707, 17103), (709, 17109), (713, 17121), (731, 17181), (748, 17226), (751, 17235), (759, 17268), (790, 17334),

Gene: Agent47_21 Start: 17591, Stop: 19363, Start Num: 123

Candidate Starts for Agent47_21:

(Start: 123 @17591 has 15 MA's), (127, 17597), (Start: 151 @17621 has 2 MA's), (177, 17654), (210, 17702), (237, 17756), (255, 17807), (280, 17870), (317, 17978), (358, 18086), (397, 18200), (398, 18203), (417, 18242), (433, 18257), (437, 18269), (439, 18275), (452, 18311), (454, 18317), (456, 18323), (467, 18362), (472, 18386), (517, 18488), (534, 18551), (604, 18731), (635, 18830), (670, 18908), (676, 18932), (678, 18938), (687, 18971), (707, 19049), (709, 19055), (764, 19208), (804, 19313), (805, 19316), (809, 19334),

Gene: Ageofdapage_23 Start: 17088, Stop: 18854, Start Num: 120

Candidate Starts for Ageofdapage_23:

(Start: 120 @17088 has 139 MA's), (Start: 148 @17118 has 2 MA's), (245, 17277), (255, 17310), (265, 17340), (280, 17373), (287, 17385), (315, 17475), (330, 17511), (333, 17517), (358, 17589), (360, 17598), (376, 17637), (390, 17682), (397, 17703), (398, 17706), (439, 17778), (452, 17814), (454, 17820), (456, 17826), (463, 17853), (472, 17889), (517, 17991), (521, 18009), (540, 18069), (551, 18099), (564, 18126), (604, 18231), (633, 18321), (666, 18390), (677, 18426), (685, 18456), (688, 18465), (707, 18540), (723, 18591), (761, 18690), (786, 18741), (800, 18786), (809, 18825), (810, 18828), (817, 18846),

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

Candidate Starts for Aggie_18:

(Start: 134 @14990 has 43 MA's), (161, 15017), (Start: 232 @15122 has 2 MA's), (236, 15134), (249, 15170), (265, 15221), (279, 15251), (287, 15257), (297, 15284), (299, 15290), (347, 15410), (364, 15464), (367, 15470), (375, 15488), (379, 15500), (380, 15503), (387, 15524), (398, 15566), (406, 15599), (432, 15650), (437, 15665), (452, 15707), (457, 15722), (458, 15728), (469, 15776), (477, 15800), (493, 15830), (517, 15854), (533, 15914), (537, 15926), (557, 15980), (565, 15989), (589, 16049), (590, 16052), (639, 16157), (643, 16166), (659, 16205), (697, 16343), (742, 16493), (743, 16496), (746, 16505), (757, 16526), (765, 16553), (786, 16589), (813, 16682),

Gene: Agueybana_19 Start: 17777, Stop: 19375, Start Num: 167

Candidate Starts for Agueybana_19:

(Start: 167 @17777 has 53 MA's), (299, 18026), (302, 18035), (309, 18053), (310, 18056), (327, 18110), (354, 18185), (380, 18254), (381, 18263), (385, 18275), (400, 18326), (406, 18353), (410, 18362), (411, 18365), (456, 18398), (469, 18455), (513, 18521), (553, 18632), (570, 18656), (584,

18692), (621, 18794), (637, 18851), (680, 18941), (710, 19058), (750, 19181), (774, 19259),

Gene: AikoCarson_17 Start: 15037, Stop: 16731, Start Num: 154

Candidate Starts for AikoCarson_17:

(Start: 150 @15034 has 7 MA's), (Start: 154 @15037 has 33 MA's), (226, 15136), (Start: 232 @15148 has 2 MA's), (265, 15244), (301, 15328), (334, 15418), (353, 15478), (384, 15562), (398, 15607), (432, 15640), (436, 15652), (444, 15676), (463, 15745), (467, 15757), (535, 15922), (558, 15994), (587, 16072), (591, 16087), (599, 16105), (620, 16162), (679, 16303), (681, 16309), (685, 16321), (688, 16330), (706, 16402), (707, 16405), (709, 16411), (713, 16423), (748, 16528), (751, 16537), (759, 16570), (813, 16723),

Gene: Akhila_17 Start: 15476, Stop: 17185, Start Num: 129

Candidate Starts for Akhila_17:

(Start: 129 @15476 has 207 MA's), (205, 15563), (Start: 232 @15608 has 2 MA's), (242, 15632), (279, 15737), (287, 15743), (294, 15761), (309, 15791), (347, 15896), (367, 15956), (376, 15977), (379, 15986), (387, 16010), (432, 16136), (437, 16151), (439, 16157), (452, 16193), (453, 16196), (457, 16208), (458, 16214), (469, 16262), (474, 16274), (475, 16280), (517, 16340), (520, 16352), (531, 16388), (533, 16400), (565, 16475), (568, 16484), (575, 16502), (578, 16508), (590, 16538), (639, 16643), (643, 16652), (645, 16655), (654, 16676), (659, 16691), (678, 16757), (680, 16769), (706, 16868), (713, 16889), (723, 16922), (734, 16952), (743, 16982), (746, 16991), (748, 16997), (757, 17012), (758, 17015), (765, 17039), (782, 17069), (790, 17081), (797, 17111), (808, 17153),

Gene: Alexphander_18 Start: 15332, Stop: 17041, Start Num: 129

Candidate Starts for Alexphander_18:

(Start: 129 @15332 has 207 MA's), (205, 15419), (Start: 232 @15464 has 2 MA's), (242, 15488), (258, 15545), (279, 15593), (287, 15599), (294, 15617), (309, 15647), (347, 15752), (364, 15806), (367, 15812), (371, 15821), (379, 15842), (387, 15866), (396, 15902), (398, 15908), (406, 15941), (407, 15944), (411, 15953), (424, 15968), (425, 15974), (432, 15992), (437, 16007), (439, 16013), (446, 16031), (447, 16034), (452, 16049), (457, 16064), (458, 16070), (469, 16118), (474, 16130), (475, 16136), (517, 16196), (520, 16208), (531, 16244), (533, 16256), (565, 16331), (568, 16340), (575, 16358), (578, 16364), (590, 16394), (639, 16499), (645, 16511), (659, 16547), (680, 16625), (706, 16724), (713, 16745), (723, 16778), (734, 16808), (743, 16838), (746, 16847), (748, 16853), (757, 16868), (758, 16871), (765, 16895), (782, 16925), (790, 16937), (797, 16967), (808, 17009),

Gene: Ali17_31 Start: 28415, Stop: 30040, Start Num: 166

Candidate Starts for Ali17_31:

(Start: 166 @28415 has 18 MA's), (176, 28427), (199, 28460), (206, 28469), (212, 28481), (Start: 232 @28511 has 2 MA's), (274, 28628), (280, 28640), (313, 28715), (338, 28775), (347, 28805), (440, 29012), (451, 29042), (463, 29084), (464, 29087), (468, 29099), (479, 29147), (517, 29195), (537, 29267), (549, 29300), (550, 29303), (566, 29342), (582, 29381), (612, 29468), (613, 29471), (648, 29549), (689, 29654), (709, 29735), (726, 29789), (761, 29885), (808, 30014), (813, 30029),

Gene: AlishaPH_23 Start: 17147, Stop: 18913, Start Num: 120

Candidate Starts for AlishaPH_23:

(Start: 120 @17147 has 139 MA's), (Start: 148 @17177 has 2 MA's), (245, 17336), (255, 17369), (265, 17399), (280, 17432), (287, 17444), (315, 17534), (333, 17576), (358, 17648), (360, 17657), (376, 17696), (390, 17741), (397, 17762), (398, 17765), (433, 17819), (439, 17837), (454, 17879), (456, 17885), (463, 17912), (517, 18050), (521, 18068), (533, 18110), (540, 18128), (551, 18158), (564, 18185), (604, 18290), (666, 18449), (677, 18485), (685, 18515), (688, 18524), (707, 18599), (723, 18650), (800, 18845), (809, 18884), (810, 18887), (817, 18905),

Gene: Alkhayr_54 Start: 33189, Stop: 34925, Start Num: 109

Candidate Starts for Alkhayr_54:

(Start: 104 @33180 has 2 MA's), (Start: 109 @33189 has 26 MA's), (Start: 184 @33279 has 1 MA's), (248, 33396), (258, 33432), (266, 33453), (279, 33480), (287, 33486), (298, 33516), (311, 33540), (329, 33591), (379, 33729), (381, 33735), (395, 33786), (396, 33789), (401, 33807), (432, 33858), (439, 33879), (440, 33882), (457, 33930), (458, 33936), (469, 33984), (472, 33990), (474, 33996), (507, 34056), (517, 34080), (518, 34083), (531, 34128), (534, 34143), (537, 34152), (541, 34161), (557, 34206), (568, 34224), (582, 34257), (645, 34395), (654, 34416), (674, 34482), (681, 34512), (696, 34566), (706, 34608), (713, 34629), (719, 34650), (723, 34662), (730, 34683), (748, 34737), (786, 34815), (797, 34851), (803, 34872), (809, 34899),

Gene: Aloeri_17 Start: 14677, Stop: 16386, Start Num: 129

Candidate Starts for Aloeri_17:

(Start: 129 @14677 has 207 MA's), (205, 14764), (Start: 232 @14809 has 2 MA's), (242, 14833), (279, 14938), (287, 14944), (294, 14962), (297, 14971), (309, 14992), (347, 15097), (367, 15157), (371, 15166), (376, 15178), (379, 15187), (387, 15211), (396, 15247), (398, 15253), (401, 15265), (406, 15286), (407, 15289), (411, 15298), (424, 15313), (425, 15319), (432, 15337), (437, 15352), (439, 15358), (446, 15376), (447, 15379), (452, 15394), (457, 15409), (458, 15415), (469, 15463), (474, 15475), (475, 15481), (517, 15541), (520, 15553), (522, 15562), (531, 15589), (533, 15601), (565, 15676), (568, 15685), (575, 15703), (578, 15709), (590, 15739), (639, 15844), (643, 15853), (645, 15856), (659, 15892), (680, 15970), (706, 16069), (713, 16090), (723, 16123), (734, 16153), (743, 16183), (745, 16189), (746, 16192), (748, 16198), (757, 16213), (758, 16216), (764, 16237), (765, 16240), (790, 16282), (808, 16354), (809, 16360),

Gene: AlpineSix_16 Start: 15041, Stop: 16750, Start Num: 129

Candidate Starts for AlpineSix_16:

(Start: 129 @15041 has 207 MA's), (205, 15128), (219, 15149), (Start: 232 @15173 has 2 MA's), (242, 15197), (248, 15218), (279, 15302), (287, 15308), (294, 15326), (309, 15356), (347, 15461), (364, 15515), (367, 15521), (375, 15539), (376, 15542), (379, 15551), (387, 15575), (406, 15650), (411, 15662), (424, 15677), (425, 15683), (432, 15701), (437, 15716), (439, 15722), (449, 15749), (452, 15758), (457, 15773), (458, 15779), (469, 15827), (474, 15839), (475, 15845), (517, 15905), (520, 15917), (531, 15953), (533, 15965), (541, 15986), (565, 16040), (568, 16049), (575, 16067), (578, 16073), (590, 16103), (639, 16208), (643, 16217), (645, 16220), (659, 16256), (671, 16295), (680, 16334), (713, 16454), (723, 16487), (734, 16517), (743, 16547), (746, 16556), (748, 16562), (757, 16577), (758, 16580), (764, 16601), (765, 16604), (786, 16640), (790, 16646), (797, 16676), (808, 16718),

Gene: AlumE_19 Start: 17776, Stop: 19374, Start Num: 167

Candidate Starts for AlumE_19:

(Start: 167 @17776 has 53 MA's), (302, 18034), (309, 18052), (310, 18055), (327, 18109), (354, 18184), (380, 18253), (381, 18262), (385, 18274), (388, 18286), (400, 18325), (406, 18352), (410, 18361), (411, 18364), (456, 18397), (469, 18454), (513, 18520), (553, 18631), (584, 18691), (621, 18793), (637, 18850), (680, 18940), (750, 19180), (774, 19258),

Gene: Amao_24 Start: 19034, Stop: 20629, Start Num: 203

Candidate Starts for Amao_24:

(Start: 137 @18950 has 79 MA's), (Start: 203 @19034 has 47 MA's), (Start: 244 @19112 has 1 MA's), (274, 19199), (287, 19214), (309, 19262), (321, 19301), (353, 19388), (365, 19421), (379, 19457), (388, 19487), (390, 19493), (409, 19562), (435, 19592), (438, 19604), (439, 19607), (458, 19664), (518, 19796), (519, 19802), (538, 19868), (541, 19874), (549, 19898), (568, 19946), (578, 19970), (582, 19979), (606, 20054), (643, 20105), (650, 20120), (698, 20282), (704, 20309), (713, 20339), (747, 20444), (786, 20522), (797, 20558), (800, 20567), (808, 20600), (813, 20615),

Gene: Amelie_19 Start: 16697, Stop: 18463, Start Num: 120

Candidate Starts for Amelie_19:

(Start: 120 @16697 has 139 MA's), (Start: 125 @16703 has 46 MA's), (Start: 148 @16727 has 2 MA's), (Start: 232 @16853 has 2 MA's), (237, 16868), (245, 16886), (265, 16949), (315, 17084), (317, 17090), (358, 17198), (360, 17207), (397, 17312), (437, 17381), (439, 17387), (452, 17423), (456, 17435), (472, 17498), (517, 17600), (521, 17618), (533, 17660), (534, 17663), (578, 17768), (604, 17840), (637, 17948), (640, 17954), (666, 17999), (681, 18053), (688, 18074), (707, 18149), (723, 18200), (761, 18299), (766, 18314), (786, 18350), (800, 18395), (809, 18434), (810, 18437), (817, 18455),

Gene: AmericanBeauty_26 Start: 19733, Stop: 21412, Start Num: 137

Candidate Starts for AmericanBeauty_26:

(Start: 137 @19733 has 79 MA's), (Start: 203 @19817 has 47 MA's), (Start: 244 @19895 has 1 MA's), (274, 19982), (287, 19997), (309, 20045), (321, 20084), (353, 20171), (365, 20204), (379, 20240), (388, 20270), (390, 20276), (409, 20345), (435, 20375), (438, 20387), (439, 20390), (458, 20447), (518, 20579), (519, 20585), (538, 20651), (541, 20657), (549, 20681), (568, 20729), (578, 20753), (582, 20762), (606, 20837), (643, 20888), (650, 20903), (698, 21065), (704, 21092), (713, 21122), (747, 21227), (786, 21305), (797, 21341), (800, 21350), (808, 21383), (813, 21398),

Gene: Amgine_21 Start: 17216, Stop: 19009, Start Num: 95

Candidate Starts for Amgine_21:

(Start: 95 @17216 has 1 MA's), (Start: 111 @17246 has 26 MA's), (Start: 117 @17252 has 41 MA's), (Start: 120 @17255 has 139 MA's), (Start: 142 @17267 has 43 MA's), (Start: 148 @17273 has 2 MA's), (Start: 232 @17399 has 2 MA's), (237, 17414), (255, 17465), (265, 17495), (280, 17528), (315, 17630), (333, 17672), (358, 17744), (360, 17753), (416, 17897), (417, 17900), (433, 17915), (437, 17927), (439, 17933), (446, 17951), (454, 17975), (456, 17981), (463, 18008), (472, 18044), (521, 18164), (564, 18281), (578, 18314), (583, 18326), (587, 18338), (604, 18386), (676, 18578), (685, 18611), (688, 18620), (704, 18683), (707, 18695), (723, 18746), (725, 18752), (761, 18845), (786, 18896), (800, 18941), (809, 18980), (810, 18983), (817, 19001),

Gene: Aminay_21 Start: 17435, Stop: 19210, Start Num: 120

Candidate Starts for Aminay_21:

(14, 16757), (15, 16769), (27, 16964), (Start: 120 @17435 has 139 MA's), (Start: 232 @17579 has 2 MA's), (237, 17594), (255, 17645), (265, 17675), (287, 17720), (317, 17816), (353, 17912), (358, 17924), (391, 18020), (439, 18113), (446, 18131), (456, 18161), (467, 18200), (477, 18242), (517, 18326), (534, 18389), (546, 18422), (560, 18461), (604, 18590), (633, 18680), (635, 18689), (666, 18746), (676, 18779), (681, 18800), (685, 18812), (707, 18896), (723, 18947), (725, 18953), (764, 19055), (797, 19133), (803, 19154), (809, 19181), (817, 19202),

Gene: Amochick_22 Start: 17409, Stop: 19151, Start Num: 117

Candidate Starts for Amochick_22:

(Start: 117 @17409 has 41 MA's), (Start: 125 @17418 has 46 MA's), (161, 17460), (198, 17511), (213, 17535), (220, 17547), (Start: 232 @17568 has 2 MA's), (237, 17583), (245, 17601), (255, 17634), (262, 17661), (295, 17733), (320, 17823), (352, 17907), (355, 17916), (362, 17937), (387, 18003), (396, 18030), (413, 18063), (433, 18081), (440, 18102), (446, 18117), (447, 18120), (467, 18186), (468, 18189), (483, 18255), (497, 18267), (504, 18276), (507, 18279), (534, 18366), (553, 18420), (574, 18465), (577, 18471), (603, 18543), (613, 18573), (622, 18600), (633, 18636), (635, 18645), (676, 18723), (716, 18867), (721, 18885), (725, 18897), (731, 18912), (733, 18915), (742, 18936), (746, 18948), (764, 18996), (776, 19029), (805, 19104), (809, 19122), (817, 19143),

Gene: Amohnition_22 Start: 17620, Stop: 19395, Start Num: 111

Candidate Starts for Amohnition_22:

(Start: 95 @17590 has 1 MA's), (Start: 111 @17620 has 26 MA's), (Start: 120 @17629 has 139 MA's), (Start: 148 @17659 has 2 MA's), (Start: 232 @17785 has 2 MA's), (237, 17800), (245, 17818), (255, 17851), (280, 17914), (287, 17926), (295, 17944), (315, 18016), (330, 18052), (333, 18058), (360,

18139), (393, 18232), (397, 18244), (398, 18247), (416, 18283), (439, 18319), (454, 18361), (456, 18367), (463, 18394), (521, 18550), (551, 18640), (564, 18667), (583, 18712), (604, 18772), (628, 18847), (635, 18871), (666, 18931), (677, 18967), (685, 18997), (707, 19081), (764, 19240), (809, 19366), (810, 19369), (817, 19387),

Gene: Amok_17 Start: 15034, Stop: 16728, Start Num: 154

Candidate Starts for Amok_17:

(Start: 150 @15031 has 7 MA's), (Start: 154 @15034 has 33 MA's), (226, 15133), (Start: 232 @15145 has 2 MA's), (308, 15340), (334, 15415), (376, 15535), (384, 15559), (398, 15604), (432, 15637), (436, 15649), (444, 15673), (463, 15742), (467, 15754), (535, 15919), (558, 15991), (587, 16069), (591, 16084), (599, 16102), (620, 16159), (679, 16300), (681, 16306), (685, 16318), (688, 16327), (706, 16399), (707, 16402), (709, 16408), (713, 16420), (748, 16525), (751, 16534), (759, 16567), (813, 16720),

Gene: Amymech_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Amymech_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574, 18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: Anaya_24 Start: 17173, Stop: 18939, Start Num: 120

Candidate Starts for Anaya_24:

(Start: 120 @17173 has 139 MA's), (Start: 148 @17203 has 2 MA's), (245, 17362), (255, 17395), (265, 17425), (280, 17458), (287, 17470), (315, 17560), (333, 17602), (358, 17674), (360, 17683), (376, 17722), (390, 17767), (397, 17788), (398, 17791), (439, 17863), (454, 17905), (456, 17911), (463, 17938), (517, 18076), (521, 18094), (533, 18136), (540, 18154), (551, 18184), (604, 18316), (677, 18511), (685, 18541), (688, 18550), (707, 18625), (723, 18676), (725, 18682), (786, 18826), (800, 18871), (809, 18910), (810, 18913), (817, 18931),

Gene: AndPeggy_17 Start: 15394, Stop: 17094, Start Num: 150

Candidate Starts for AndPeggy_17:

(Start: 150 @15394 has 7 MA's), (Start: 154 @15397 has 33 MA's), (226, 15499), (Start: 232 @15511 has 2 MA's), (265, 15607), (301, 15691), (334, 15781), (353, 15841), (362, 15868), (375, 15898), (376, 15901), (398, 15970), (432, 16003), (436, 16015), (437, 16018), (444, 16039), (446, 16042), (463, 16108), (467, 16120), (535, 16285), (587, 16435), (591, 16450), (599, 16468), (620, 16525), (679, 16666), (681, 16672), (685, 16684), (688, 16693), (706, 16765), (707, 16768), (709, 16774), (713, 16786), (748, 16891), (751, 16900), (759, 16933),

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

Candidate Starts for Andies_18:

(Start: 134 @14986 has 43 MA's), (161, 15013), (Start: 232 @15118 has 2 MA's), (236, 15130), (249, 15166), (265, 15217), (279, 15247), (287, 15253), (297, 15280), (299, 15286), (347, 15406), (364, 15460), (367, 15466), (375, 15484), (379, 15496), (380, 15499), (387, 15520), (398, 15562), (406, 15595), (432, 15646), (437, 15661), (452, 15703), (457, 15718), (458, 15724), (469, 15772), (477, 15796), (493, 15826), (517, 15850), (537, 15922), (557, 15976), (565, 15985), (589, 16045), (590, 16048), (639, 16153), (643, 16162), (659, 16201), (697, 16339), (742, 16489), (743, 16492), (746, 16501), (757, 16522), (765, 16549), (786, 16585), (813, 16678),

Gene: Angel_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Angel_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Angelica_23 Start: 17122, Stop: 18888, Start Num: 120

Candidate Starts for Angelica_23:

(Start: 120 @17122 has 139 MA's), (Start: 148 @17152 has 2 MA's), (245, 17311), (255, 17344), (265, 17374), (280, 17407), (287, 17419), (315, 17509), (333, 17551), (358, 17623), (360, 17632), (376, 17671), (390, 17716), (397, 17737), (398, 17740), (433, 17794), (439, 17812), (454, 17854), (456, 17860), (463, 17887), (517, 18025), (521, 18043), (533, 18085), (540, 18103), (551, 18133), (564, 18160), (604, 18265), (666, 18424), (677, 18460), (685, 18490), (688, 18499), (707, 18574), (723, 18625), (800, 18820), (809, 18859), (810, 18862), (817, 18880),

Gene: Angelique_20 Start: 17710, Stop: 19410, Start Num: 147

Candidate Starts for Angelique_20:

(Start: 125 @17686 has 46 MA's), (Start: 147 @17710 has 24 MA's), (186, 17752), (224, 17809), (Start: 244 @17851 has 1 MA's), (313, 18040), (362, 18187), (365, 18193), (440, 18337), (443, 18343), (451, 18376), (471, 18451), (586, 18733), (620, 18829), (672, 18952), (679, 18985), (681, 18991), (699, 19057), (707, 19087), (757, 19243), (759, 19249), (806, 19378),

Gene: Annalisa_20 Start: 17346, Stop: 18926, Start Num: 167

Candidate Starts for Annalisa_20:

(83, 17229), (Start: 167 @17346 has 53 MA's), (302, 17604), (310, 17625), (327, 17679), (344, 17718), (361, 17775), (370, 17796), (456, 17967), (460, 17985), (468, 18009), (472, 18030), (513, 18072), (543, 18153), (584, 18243), (621, 18345), (622, 18348), (637, 18402), (729, 18672), (761, 18771), (764, 18780), (774, 18810),

Gene: Annihilator_18 Start: 16640, Stop: 18394, Start Num: 142

Candidate Starts for Annihilator_18:

(Start: 111 @16631 has 26 MA's), (Start: 142 @16640 has 43 MA's), (Start: 148 @16646 has 2 MA's), (155, 16652), (237, 16784), (255, 16835), (265, 16865), (275, 16889), (313, 16991), (328, 17030), (330, 17036), (338, 17051), (351, 17096), (393, 17216), (418, 17273), (439, 17312), (456, 17360), (463, 17387), (467, 17399), (491, 17480), (517, 17525), (587, 17723), (598, 17753), (604, 17771), (613, 17798), (638, 17882), (653, 17900), (662, 17915), (676, 17963), (679, 17978), (698, 18041), (713, 18098), (725, 18137), (742, 18179), (761, 18230), (800, 18326), (817, 18386),

Gene: Antonio_19 Start: 17773, Stop: 19371, Start Num: 167

Candidate Starts for Antonio_19:

(Start: 167 @17773 has 53 MA's), (299, 18022), (302, 18031), (309, 18049), (310, 18052), (327, 18106), (354, 18181), (380, 18250), (381, 18259), (385, 18271), (400, 18322), (406, 18349), (410, 18358), (411, 18361), (455, 18391), (456, 18394), (469, 18451), (513, 18517), (542, 18595), (553, 18628), (570, 18652), (584, 18688), (621, 18790), (637, 18847), (668, 18892), (671, 18898), (680, 18937), (750, 19177), (774, 19255),

Gene: Antsirabe_18 Start: 16985, Stop: 18709, Start Num: 148

Candidate Starts for Antsirabe_18:

(Start: 148 @16985 has 2 MA's), (233, 17105), (265, 17198), (313, 17324), (317, 17339), (330, 17369), (333, 17375), (338, 17384), (351, 17429), (393, 17549), (439, 17645), (454, 17687), (456, 17693),

(467, 17732), (475, 17768), (491, 17813), (587, 18050), (604, 18098), (613, 18125), (624, 18161), (703, 18380), (713, 18413), (742, 18494), (800, 18641), (811, 18686),

Gene: Aphelion_48 Start: 29609, Stop: 31300, Start Num: 152

Candidate Starts for Aphelion_48:

(Start: 152 @29609 has 16 MA's), (193, 29669), (214, 29702), (233, 29735), (280, 29861), (296, 29894), (299, 29903), (348, 30032), (363, 30080), (458, 30293), (459, 30299), (467, 30323), (524, 30452), (531, 30473), (541, 30506), (605, 30704), (678, 30857), (704, 30956), (707, 30968), (710, 30977), (740, 31061), (798, 31208), (807, 31244), (810, 31256),

Gene: Apiary_45 Start: 31353, Stop: 32927, Start Num: 187

Candidate Starts for Apiary_45:

(Start: 187 @31353 has 8 MA's), (193, 31362), (230, 31416), (Start: 244 @31440 has 1 MA's), (245, 31443), (347, 31713), (369, 31776), (375, 31791), (435, 31908), (439, 31923), (458, 31980), (460, 31989), (471, 32031), (477, 32052), (495, 32082), (526, 32139), (553, 32214), (572, 32253), (592, 32310), (627, 32415), (628, 32418), (636, 32445), (681, 32523), (692, 32562), (742, 32718), (766, 32784),

Gene: Apocalypse_23 Start: 17125, Stop: 18891, Start Num: 120

Candidate Starts for Apocalypse_23:

(Start: 120 @17125 has 139 MA's), (Start: 148 @17155 has 2 MA's), (245, 17314), (255, 17347), (265, 17377), (280, 17410), (287, 17422), (315, 17512), (333, 17554), (358, 17626), (360, 17635), (376, 17674), (390, 17719), (397, 17740), (398, 17743), (433, 17797), (439, 17815), (454, 17857), (456, 17863), (463, 17890), (517, 18028), (521, 18046), (533, 18088), (540, 18106), (551, 18136), (564, 18163), (604, 18268), (666, 18427), (677, 18463), (685, 18493), (688, 18502), (707, 18577), (723, 18628), (800, 18823), (809, 18862), (810, 18865), (817, 18883),

Gene: Applecrisp_22 Start: 17666, Stop: 19420, Start Num: 120

Candidate Starts for Applecrisp_22:

(Start: 95 @17627 has 1 MA's), (Start: 111 @17657 has 26 MA's), (Start: 117 @17663 has 41 MA's), (Start: 120 @17666 has 139 MA's), (Start: 142 @17678 has 43 MA's), (Start: 148 @17684 has 2 MA's), (Start: 232 @17810 has 2 MA's), (237, 17825), (255, 17876), (265, 17906), (280, 17939), (315, 18041), (330, 18077), (333, 18083), (360, 18164), (416, 18308), (417, 18311), (433, 18326), (437, 18338), (439, 18344), (446, 18362), (454, 18386), (456, 18392), (463, 18419), (521, 18575), (564, 18692), (578, 18725), (583, 18737), (587, 18749), (604, 18797), (676, 18989), (685, 19022), (688, 19031), (695, 19055), (704, 19094), (707, 19106), (723, 19157), (725, 19163), (761, 19256), (786, 19307), (800, 19352), (809, 19391), (810, 19394), (817, 19412),

Gene: Appletree2_18 Start: 16636, Stop: 18468, Start Num: 70

Candidate Starts for Appletree2_18:

(Start: 70 @16636 has 1 MA's), (80, 16657), (85, 16672), (Start: 98 @16699 has 41 MA's), (174, 16792), (Start: 207 @16840 has 1 MA's), (210, 16846), (236, 16873), (239, 16882), (261, 16954), (266, 16963), (278, 16987), (285, 17002), (295, 17032), (344, 17158), (346, 17167), (352, 17188), (357, 17203), (382, 17272), (393, 17308), (404, 17329), (447, 17398), (458, 17437), (517, 17575), (520, 17587), (543, 17662), (545, 17668), (550, 17686), (563, 17725), (575, 17758), (579, 17767), (583, 17776), (586, 17785), (628, 17908), (638, 17944), (672, 17992), (675, 18004), (689, 18058), (715, 18154), (720, 18172), (722, 18178), (723, 18181), (736, 18214), (744, 18238), (764, 18301), (779, 18343), (794, 18382), (800, 18400), (805, 18421), (810, 18442),

Gene: ArchiDore_19 Start: 16244, Stop: 17938, Start Num: 180

Candidate Starts for ArchiDore_19:

(76, 16094), (Start: 154 @16208 has 33 MA's), (Start: 172 @16232 has 16 MA's), (Start: 180 @16244 has 1 MA's), (264, 16421), (267, 16427), (296, 16493), (333, 16607), (355, 16673), (358, 16679), (440,

16859), (443, 16865), (454, 16898), (497, 17027), (507, 17039), (516, 17060), (536, 17132), (577, 17237), (578, 17240), (600, 17303), (602, 17306), (613, 17339), (676, 17507), (678, 17513), (704, 17612), (817, 17930),

Gene: Archie_18 Start: 17205, Stop: 18938, Start Num: 131

Candidate Starts for Archie_18:

(Start: 131 @17205 has 77 MA's), (188, 17274), (261, 17415), (262, 17418), (285, 17463), (296, 17496), (299, 17505), (312, 17541), (334, 17595), (344, 17622), (347, 17634), (362, 17685), (365, 17691), (378, 17724), (451, 17877), (458, 17901), (460, 17910), (472, 17955), (490, 18006), (517, 18048), (553, 18168), (575, 18231), (586, 18258), (601, 18303), (614, 18339), (661, 18438), (670, 18459), (672, 18465), (675, 18477), (691, 18540), (715, 18627), (723, 18654), (748, 18723), (754, 18738), (764, 18774), (794, 18852), (800, 18870),

Gene: Archimedes_16 Start: 14567, Stop: 16171, Start Num: 171

Candidate Starts for Archimedes_16:

(Start: 171 @14567 has 46 MA's), (230, 14654), (266, 14759), (297, 14822), (299, 14828), (309, 14852), (350, 14960), (376, 15029), (458, 15212), (461, 15224), (475, 15278), (538, 15422), (541, 15428), (566, 15494), (573, 15512), (622, 15638), (631, 15668), (677, 15749), (678, 15752), (706, 15860), (709, 15869), (719, 15902), (772, 16049),

Gene: Archis_20 Start: 16861, Stop: 18507, Start Num: 171

Candidate Starts for Archis_20:

(143, 16825), (Start: 171 @16861 has 46 MA's), (237, 16963), (262, 17041), (265, 17044), (309, 17140), (319, 17179), (354, 17260), (375, 17314), (380, 17329), (458, 17500), (467, 17530), (541, 17713), (549, 17737), (550, 17740), (571, 17788), (605, 17881), (612, 17893), (626, 17938), (631, 17953), (677, 18085), (678, 18088), (704, 18187), (709, 18205), (725, 18256), (750, 18322), (772, 18385), (782, 18397),

Gene: ArcusAngelus_16 Start: 14845, Stop: 16554, Start Num: 129

Candidate Starts for ArcusAngelus_16:

(Start: 129 @14845 has 207 MA's), (205, 14932), (Start: 232 @14977 has 2 MA's), (242, 15001), (279, 15106), (287, 15112), (294, 15130), (309, 15160), (347, 15265), (367, 15325), (376, 15346), (379, 15355), (385, 15373), (387, 15379), (406, 15454), (411, 15466), (424, 15481), (425, 15487), (432, 15505), (437, 15520), (439, 15526), (447, 15547), (452, 15562), (453, 15565), (457, 15577), (458, 15583), (469, 15631), (474, 15643), (475, 15649), (517, 15709), (520, 15721), (531, 15757), (533, 15769), (534, 15772), (541, 15790), (565, 15844), (568, 15853), (575, 15871), (578, 15877), (639, 16012), (643, 16021), (645, 16024), (659, 16060), (671, 16099), (680, 16138), (706, 16237), (713, 16258), (723, 16291), (734, 16321), (743, 16351), (745, 16357), (746, 16360), (748, 16366), (757, 16381), (758, 16384), (765, 16408), (790, 16450), (808, 16522), (809, 16528),

Gene: Ardmore_16 Start: 14856, Stop: 16565, Start Num: 129

Candidate Starts for Ardmore_16:

(Start: 129 @14856 has 207 MA's), (205, 14943), (Start: 232 @14988 has 2 MA's), (242, 15012), (279, 15117), (287, 15123), (294, 15141), (309, 15171), (347, 15276), (367, 15336), (376, 15357), (379, 15366), (387, 15390), (406, 15465), (407, 15468), (432, 15516), (437, 15531), (439, 15537), (452, 15573), (453, 15576), (457, 15588), (458, 15594), (469, 15642), (474, 15654), (475, 15660), (517, 15720), (520, 15732), (531, 15768), (533, 15780), (565, 15855), (568, 15864), (575, 15882), (578, 15888), (590, 15918), (639, 16023), (643, 16032), (645, 16035), (659, 16071), (680, 16149), (706, 16248), (713, 16269), (723, 16302), (734, 16332), (743, 16362), (746, 16371), (748, 16377), (757, 16392), (758, 16395), (765, 16419), (782, 16449), (790, 16461), (797, 16491), (808, 16533),

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

Candidate Starts for Argent26_26:

(Start: 137 @19736 has 79 MA's), (Start: 203 @19820 has 47 MA's), (Start: 244 @19898 has 1 MA's), (274, 19985), (287, 20000), (309, 20048), (321, 20087), (353, 20174), (365, 20207), (379, 20243), (388, 20273), (390, 20279), (409, 20348), (435, 20378), (438, 20390), (439, 20393), (458, 20450), (518, 20582), (519, 20588), (538, 20654), (541, 20660), (549, 20684), (568, 20732), (578, 20756), (582, 20765), (606, 20840), (643, 20891), (650, 20906), (698, 21068), (704, 21095), (713, 21125), (747, 21230), (786, 21308), (797, 21344), (800, 21353), (808, 21386), (813, 21401),

Gene: Arib1_19 Start: 16391, Stop: 18127, Start Num: 125

Candidate Starts for Arib1_19:

(Start: 125 @16391 has 46 MA's), (189, 16472), (190, 16475), (226, 16526), (251, 16589), (253, 16595), (265, 16634), (280, 16667), (295, 16691), (342, 16811), (346, 16826), (353, 16850), (355, 16856), (385, 16940), (396, 16982), (406, 17021), (409, 17027), (429, 17066), (432, 17072), (440, 17096), (458, 17150), (464, 17171), (479, 17231), (522, 17309), (533, 17348), (545, 17381), (568, 17447), (578, 17471), (587, 17495), (597, 17525), (602, 17537), (656, 17639), (696, 17777), (719, 17861), (752, 17960), (782, 18017), (800, 18068), (813, 18116),

Gene: Ariel_34 Start: 24674, Stop: 26407, Start Num: 131

Candidate Starts for Ariel_34:

(Start: 131 @24674 has 77 MA's), (Start: 203 @24764 has 47 MA's), (205, 24767), (242, 24842), (251, 24869), (274, 24935), (295, 24971), (310, 25001), (313, 25016), (345, 25100), (355, 25136), (365, 25163), (380, 25202), (390, 25235), (393, 25244), (407, 25301), (428, 25343), (455, 25418), (458, 25430), (474, 25490), (506, 25544), (518, 25574), (522, 25592), (526, 25601), (534, 25634), (538, 25646), (541, 25652), (554, 25691), (578, 25748), (650, 25898), (656, 25916), (670, 25958), (676, 25982), (677, 25985), (680, 26000), (689, 26030), (698, 26060), (713, 26117), (767, 26267), (810, 26387), (813, 26393),

Gene: Aroostook_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Aroostook_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Arti_41 Start: 29812, Stop: 31425, Start Num: 178

Candidate Starts for Arti_41:

(Start: 178 @29812 has 37 MA's), (Start: 207 @29848 has 1 MA's), (216, 29866), (245, 29926), (338, 30166), (342, 30178), (346, 30193), (369, 30259), (375, 30274), (383, 30298), (384, 30301), (413, 30385), (438, 30415), (439, 30418), (458, 30475), (469, 30523), (471, 30526), (477, 30547), (531, 30652), (549, 30697), (567, 30739), (627, 30913), (636, 30943), (637, 30949), (691, 31057), (692, 31060), (713, 31135), (797, 31354), (813, 31411),

Gene: Asayake_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Asayake_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Ashwin_58 Start: 33959, Stop: 35695, Start Num: 109

Candidate Starts for Ashwin_58:

(Start: 104 @33950 has 2 MA's), (Start: 109 @33959 has 26 MA's), (Start: 184 @34049 has 1 MA's), (248, 34166), (258, 34202), (266, 34223), (279, 34250), (287, 34256), (298, 34286), (311, 34310), (329, 34361), (379, 34499), (381, 34505), (395, 34556), (396, 34559), (401, 34577), (432, 34628), (439, 34649), (440, 34652), (457, 34700), (458, 34706), (469, 34754), (472, 34760), (474, 34766), (507, 34826), (517, 34850), (518, 34853), (531, 34898), (534, 34913), (537, 34922), (541, 34931), (557, 34976), (568, 34994), (582, 35027), (645, 35165), (654, 35186), (674, 35252), (681, 35282), (696, 35336), (706, 35378), (713, 35399), (719, 35420), (723, 35432), (730, 35453), (748, 35507), (786, 35585), (797, 35621), (803, 35642), (809, 35669),

Gene: Asriel_23 Start: 18698, Stop: 20293, Start Num: 203

Candidate Starts for Asriel_23:

(Start: 137 @18614 has 79 MA's), (Start: 203 @18698 has 47 MA's), (Start: 244 @18776 has 1 MA's), (274, 18863), (287, 18878), (309, 18926), (321, 18965), (353, 19052), (357, 19064), (365, 19085), (379, 19121), (388, 19151), (390, 19157), (409, 19226), (435, 19256), (438, 19268), (439, 19271), (458, 19328), (518, 19460), (519, 19466), (538, 19532), (541, 19538), (549, 19562), (568, 19610), (578, 19634), (582, 19643), (606, 19718), (643, 19769), (650, 19784), (698, 19946), (704, 19973), (713, 20003), (747, 20108), (786, 20186), (797, 20222), (800, 20231), (808, 20264), (813, 20279),

Gene: Atcoo_19 Start: 16260, Stop: 17996, Start Num: 125

Candidate Starts for Atcoo_19:

(Start: 106 @16236 has 2 MA's), (Start: 125 @16260 has 46 MA's), (175, 16320), (189, 16341), (190, 16344), (253, 16464), (265, 16503), (280, 16536), (295, 16560), (342, 16680), (353, 16719), (355, 16725), (385, 16809), (387, 16815), (390, 16827), (396, 16851), (403, 16878), (409, 16896), (429, 16935), (432, 16941), (440, 16965), (458, 17019), (461, 17031), (464, 17040), (479, 17100), (522, 17178), (533, 17217), (545, 17250), (568, 17316), (574, 17331), (578, 17340), (587, 17364), (597, 17394), (602, 17406), (656, 17508), (662, 17520), (663, 17523), (664, 17529), (665, 17538), (696, 17646), (719, 17730), (752, 17829), (800, 17937), (813, 17985),

Gene: Atiba_23 Start: 17117, Stop: 18883, Start Num: 120

Candidate Starts for Atiba_23:

(Start: 120 @17117 has 139 MA's), (Start: 148 @17147 has 2 MA's), (245, 17306), (255, 17339), (265, 17369), (280, 17402), (287, 17414), (315, 17504), (333, 17546), (358, 17618), (360, 17627), (376, 17666), (390, 17711), (397, 17732), (398, 17735), (433, 17789), (439, 17807), (454, 17849), (456, 17855), (463, 17882), (517, 18020), (521, 18038), (533, 18080), (540, 18098), (551, 18128), (564, 18155), (604, 18260), (666, 18419), (677, 18455), (685, 18485), (688, 18494), (707, 18569), (723, 18620), (761, 18719), (800, 18815), (809, 18854), (810, 18857), (817, 18875),

Gene: Attis_17 Start: 14751, Stop: 16460, Start Num: 169

Candidate Starts for Attis_17:

(77, 14616), (Start: 169 @14751 has 31 MA's), (260, 14940), (261, 14943), (295, 15018), (312, 15072), (340, 15141), (344, 15153), (370, 15231), (372, 15234), (410, 15366), (431, 15420), (445, 15471), (455, 15501), (469, 15561), (474, 15573), (513, 15609), (556, 15726), (570, 15744), (585, 15783), (621, 15879), (671, 15987), (749, 16263), (750, 16266), (764, 16314), (774, 16344),

Gene: Aubs_16 Start: 14966, Stop: 16675, Start Num: 129

Candidate Starts for Aubs_16:

(Start: 129 @14966 has 207 MA's), (205, 15053), (Start: 232 @15098 has 2 MA's), (242, 15122), (279, 15227), (287, 15233), (294, 15251), (309, 15281), (347, 15386), (367, 15446), (376, 15467), (379, 15476), (387, 15500), (406, 15575), (424, 15602), (425, 15608), (432, 15626), (437, 15641), (439, 15647), (452, 15683), (453, 15686), (457, 15698), (458, 15704), (469, 15752), (474, 15764), (475, 15770), (517, 15830), (520, 15842), (531, 15878), (533, 15890), (565, 15965), (568, 15974), (575, 15992), (578, 15998), (590, 16028), (639, 16133), (643, 16142), (645, 16145), (659, 16181), (680,

16259), (706, 16358), (713, 16379), (723, 16412), (734, 16442), (743, 16472), (746, 16481), (748, 16487), (757, 16502), (758, 16505), (765, 16529), (782, 16559), (790, 16571), (797, 16601), (808, 16643),

Gene: AuntGwenStacy_24 Start: 19608, Stop: 21443, Start Num: 72

Candidate Starts for AuntGwenStacy_24:

(Start: 72 @19608 has 4 MA's), (Start: 95 @19656 has 1 MA's), (99, 19665), (Start: 147 @19704 has 24 MA's), (177, 19734), (Start: 184 @19746 has 1 MA's), (210, 19782), (228, 19812), (Start: 232 @19821 has 2 MA's), (237, 19836), (255, 19887), (256, 19890), (298, 19989), (346, 20130), (362, 20181), (365, 20187), (380, 20226), (397, 20280), (439, 20349), (454, 20391), (464, 20427), (467, 20436), (489, 20514), (496, 20523), (505, 20553), (516, 20586), (517, 20589), (533, 20649), (542, 20673), (545, 20682), (574, 20751), (612, 20856), (613, 20859), (622, 20886), (691, 21069), (782, 21324), (809, 21414), (810, 21417), (811, 21420),

Gene: Auspice_28 Start: 22341, Stop: 24104, Start Num: 93

Candidate Starts for Auspice_28:

(51, 22146), (Start: 86 @22326 has 4 MA's), (Start: 93 @22341 has 2 MA's), (Start: 114 @22368 has 15 MA's), (132, 22383), (Start: 167 @22422 has 53 MA's), (188, 22452), (191, 22458), (201, 22470), (257, 22575), (261, 22590), (280, 22629), (327, 22752), (331, 22761), (362, 22857), (379, 22899), (380, 22902), (458, 23079), (496, 23190), (517, 23217), (536, 23289), (539, 23298), (540, 23301), (544, 23313), (586, 23433), (587, 23436), (601, 23478), (612, 23508), (614, 23514), (670, 23634), (672, 23640), (785, 23994), (794, 24021), (800, 24039), (802, 24048),

Gene: AvadaKedavra_18 Start: 16746, Stop: 18515, Start Num: 98

Candidate Starts for AvadaKedavra_18:

(Start: 70 @16683 has 1 MA's), (80, 16704), (85, 16719), (Start: 98 @16746 has 41 MA's), (174, 16839), (Start: 207 @16887 has 1 MA's), (210, 16893), (236, 16920), (237, 16923), (239, 16929), (261, 17001), (266, 17010), (278, 17034), (285, 17049), (295, 17079), (344, 17205), (346, 17214), (352, 17235), (357, 17250), (382, 17319), (393, 17355), (404, 17376), (447, 17445), (458, 17484), (517, 17622), (520, 17634), (543, 17709), (545, 17715), (550, 17733), (563, 17772), (575, 17805), (579, 17814), (583, 17823), (586, 17832), (587, 17835), (628, 17955), (638, 17991), (672, 18039), (675, 18051), (689, 18105), (715, 18201), (720, 18219), (722, 18225), (723, 18228), (736, 18261), (744, 18285), (764, 18348), (779, 18390), (794, 18429), (800, 18447), (805, 18468), (810, 18489),

Gene: Avocado_18 Start: 16914, Stop: 18653, Start Num: 142

Candidate Starts for Avocado_18:

(Start: 111 @16905 has 26 MA's), (Start: 142 @16914 has 43 MA's), (165, 16944), (210, 17007), (211, 17010), (222, 17028), (237, 17061), (254, 17109), (255, 17112), (313, 17268), (317, 17283), (351, 17373), (366, 17415), (393, 17493), (439, 17589), (446, 17607), (454, 17631), (456, 17637), (467, 17676), (475, 17712), (491, 17757), (517, 17802), (546, 17898), (549, 17907), (575, 17964), (604, 18042), (613, 18069), (624, 18105), (653, 18159), (676, 18222), (684, 18252), (713, 18357), (720, 18381), (736, 18420), (756, 18471), (810, 18627), (811, 18630),

Gene: Avrafan_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Avrafan_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Awesomesauce_17 Start: 14672, Stop: 16381, Start Num: 129

Candidate Starts for Awesomesauce_17:

(Start: 129 @14672 has 207 MA's), (205, 14759), (Start: 232 @14804 has 2 MA's), (242, 14828), (279, 14933), (287, 14939), (294, 14957), (297, 14966), (309, 14987), (347, 15092), (367, 15152), (371, 15161), (376, 15173), (379, 15182), (387, 15206), (396, 15242), (398, 15248), (401, 15260), (406, 15281), (407, 15284), (411, 15293), (424, 15308), (425, 15314), (432, 15332), (437, 15347), (439, 15353), (446, 15371), (447, 15374), (452, 15389), (457, 15404), (458, 15410), (469, 15458), (474, 15470), (475, 15476), (517, 15536), (520, 15548), (522, 15557), (531, 15584), (533, 15596), (541, 15617), (565, 15671), (568, 15680), (578, 15704), (590, 15734), (639, 15839), (645, 15851), (659, 15887), (680, 15965), (706, 16064), (713, 16085), (723, 16118), (734, 16148), (743, 16178), (745, 16184), (746, 16187), (748, 16193), (757, 16208), (758, 16211), (764, 16232), (790, 16277), (808, 16349), (809, 16355),

Gene: Axym_18 Start: 15732, Stop: 17429, Start Num: 154

Candidate Starts for Axym_18:

(Start: 150 @15729 has 7 MA's), (Start: 154 @15732 has 33 MA's), (265, 15942), (313, 16065), (334, 16116), (362, 16203), (366, 16212), (375, 16233), (380, 16248), (384, 16260), (432, 16338), (436, 16350), (446, 16377), (454, 16410), (463, 16443), (467, 16455), (477, 16497), (535, 16620), (558, 16692), (587, 16770), (591, 16785), (599, 16803), (620, 16860), (666, 16953), (677, 16989), (679, 17001), (681, 17007), (685, 17019), (688, 17028), (706, 17100), (707, 17103), (709, 17109), (713, 17121), (731, 17181), (748, 17226), (751, 17235), (759, 17268), (790, 17334),

Gene: Ayotoya_22 Start: 18130, Stop: 19836, Start Num: 172

Candidate Starts for Ayotoya_22:

(Start: 106 @18055 has 2 MA's), (Start: 172 @18130 has 16 MA's), (Start: 232 @18223 has 2 MA's), (237, 18238), (239, 18244), (264, 18319), (296, 18391), (332, 18502), (348, 18547), (353, 18565), (358, 18577), (437, 18748), (440, 18757), (443, 18763), (470, 18859), (483, 18910), (537, 19033), (551, 19072), (602, 19204), (637, 19318), (676, 19405), (706, 19519), (709, 19528), (746, 19633), (783, 19720), (817, 19828),

Gene: Aziz_32 Start: 22957, Stop: 24696, Start Num: 114

Candidate Starts for Aziz_32:

(Start: 86 @22915 has 4 MA's), (Start: 93 @22930 has 2 MA's), (Start: 114 @22957 has 15 MA's), (182, 23035), (188, 23041), (201, 23059), (280, 23221), (285, 23230), (289, 23245), (320, 23332), (327, 23344), (331, 23353), (362, 23449), (368, 23461), (379, 23491), (380, 23494), (390, 23527), (454, 23656), (458, 23671), (463, 23689), (536, 23881), (539, 23890), (543, 23902), (545, 23908), (579, 24007), (583, 24016), (586, 24025), (610, 24094), (635, 24172), (649, 24187), (670, 24226), (672, 24232), (785, 24586), (794, 24613), (796, 24619),

Gene: Azrael100_39 Start: 25297, Stop: 27681, Start Num: 17

Candidate Starts for Azrael100_39:

(Start: 17 @25297 has 5 MA's), (24, 25414), (25, 25435), (26, 25438), (30, 25468), (31, 25474), (33, 25483), (39, 25573), (42, 25609), (44, 25627), (45, 25654), (48, 25666), (51, 25675), (56, 25738), (60, 25774), (65, 25810), (66, 25813), (69, 25819), (102, 25891), (128, 25921), (185, 25990), (188, 25993), (236, 26080), (Start: 244 @26098 has 1 MA's), (245, 26101), (261, 26161), (280, 26200), (296, 26242), (299, 26251), (301, 26257), (309, 26272), (312, 26287), (331, 26335), (362, 26431), (379, 26473), (380, 26476), (458, 26653), (463, 26671), (468, 26686), (469, 26701), (476, 26722), (485, 26755), (496, 26764), (516, 26794), (528, 26833), (539, 26875), (543, 26887), (544, 26890), (563, 26950), (586, 27010), (601, 27055), (614, 27091), (635, 27157), (670, 27211), (672, 27217), (689, 27283), (740, 27454), (750, 27478), (794, 27598), (801, 27619), (803, 27628), (813, 27664),

Gene: Azula_21 Start: 16962, Stop: 18611, Start Num: 171

Candidate Starts for Azula_21:

(143, 16926), (Start: 171 @16962 has 46 MA's), (Start: 178 @16971 has 37 MA's), (237, 17067), (262, 17145), (298, 17217), (309, 17244), (319, 17283), (354, 17364), (375, 17418), (458, 17604), (467, 17634), (516, 17733), (541, 17817), (549, 17841), (571, 17892), (605, 17985), (612, 17997), (626, 18042), (631, 18057), (677, 18189), (678, 18192), (704, 18291), (709, 18309), (725, 18360), (748, 18420), (750, 18426), (782, 18501),

Gene: AzulaCat_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for AzulaCat_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: BAKA_34 Start: 27001, Stop: 28999, Start Num: 131

Candidate Starts for BAKA_34:

(Start: 131 @27001 has 77 MA's), (Start: 203 @27091 has 47 MA's), (229, 27139), (242, 27169), (295, 27298), (310, 27328), (345, 27427), (355, 27463), (365, 27490), (390, 27562), (393, 27571), (398, 27592), (425, 27661), (439, 27700), (440, 27703), (446, 27718), (458, 27757), (469, 27805), (474, 27817), (475, 27823), (506, 27871), (511, 27880), (518, 27901), (522, 27919), (536, 27967), (575, 28069), (602, 28141), (615, 28186), (616, 28198), (617, 28333), (618, 28339), (619, 28363), (630, 28435), (637, 28462), (714, 28711),

Gene: BEEST_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for BEEST_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: BGlluviae_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for BGlluviae_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: BPs_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for BPs_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: BQuat_18 Start: 16631, Stop: 18394, Start Num: 111

Candidate Starts for BQuat_18:

(Start: 111 @16631 has 26 MA's), (Start: 142 @16640 has 43 MA's), (Start: 148 @16646 has 2 MA's), (155, 16652), (237, 16784), (255, 16835), (265, 16865), (275, 16889), (313, 16991), (328, 17030), (330, 17036), (338, 17051), (351, 17096), (393, 17216), (418, 17273), (439, 17312), (456, 17360), (463, 17387), (467, 17399), (491, 17480), (517, 17525), (587, 17723), (598, 17753), (604, 17771), (613, 17798), (638, 17882), (653, 17900), (662, 17915), (676, 17963), (679, 17978), (698, 18041), (713, 18098), (725, 18137), (742, 18179), (761, 18230), (800, 18326), (817, 18386),

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

Candidate Starts for BabeRuth_18:

(Start: 134 @14993 has 43 MA's), (161, 15020), (189, 15059), (Start: 232 @15125 has 2 MA's), (236, 15137), (249, 15173), (256, 15197), (265, 15224), (274, 15245), (279, 15254), (287, 15260), (299, 15293), (364, 15467), (367, 15473), (371, 15482), (375, 15491), (379, 15503), (387, 15527), (398, 15569), (406, 15602), (432, 15653), (433, 15656), (437, 15668), (452, 15710), (457, 15725), (458, 15731), (469, 15779), (493, 15833), (517, 15857), (537, 15929), (557, 15983), (565, 15992), (568, 16001), (578, 16025), (589, 16052), (590, 16055), (639, 16160), (643, 16169), (659, 16208), (681, 16289), (697, 16346), (706, 16385), (743, 16499), (757, 16529), (758, 16532), (765, 16556), (786, 16592),

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

Candidate Starts for BaboJay_23:

(Start: 137 @19296 has 79 MA's), (Start: 203 @19380 has 47 MA's), (Start: 244 @19458 has 1 MA's), (274, 19545), (287, 19560), (309, 19608), (321, 19647), (353, 19734), (365, 19767), (379, 19803), (388, 19833), (390, 19839), (409, 19908), (435, 19938), (438, 19950), (439, 19953), (458, 20010), (518, 20142), (519, 20148), (538, 20214), (541, 20220), (549, 20244), (568, 20292), (578, 20316), (582, 20325), (606, 20400), (643, 20451), (650, 20466), (698, 20628), (704, 20655), (713, 20685), (747, 20790), (786, 20868), (797, 20904), (800, 20913), (808, 20946), (813, 20961),

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

Candidate Starts for Babsiella_19:

(Start: 139 @16430 has 6 MA's), (218, 16529), (223, 16538), (249, 16604), (256, 16628), (280, 16688), (287, 16691), (297, 16718), (364, 16898), (375, 16922), (379, 16934), (387, 16958), (432, 17084), (437, 17099), (440, 17108), (453, 17144), (458, 17162), (474, 17222), (557, 17414), (565, 17423), (568, 17432), (578, 17456), (643, 17600), (662, 17645), (689, 17747), (691, 17756), (696, 17774), (697, 17777), (743, 17936), (749, 17954), (757, 17990), (761, 18005), (786, 18053), (806, 18122),

Gene: BabyMoney_21 Start: 17999, Stop: 19657, Start Num: 156

Candidate Starts for BabyMoney_21:

(59, 17810), (74, 17870), (124, 17963), (Start: 156 @17999 has 2 MA's), (Start: 164 @18011 has 4 MA's), (237, 18125), (239, 18131), (256, 18179), (266, 18209), (297, 18275), (299, 18281), (333, 18392), (339, 18401), (346, 18428), (349, 18437), (355, 18458), (437, 18629), (438, 18632), (459, 18698), (464, 18713), (496, 18797), (511, 18806), (524, 18848), (531, 18869), (546, 18917), (550, 18929), (559, 18956), (587, 19025), (611, 19094), (622, 19127), (652, 19184), (677, 19235), (696, 19304), (720, 19391), (725, 19406), (747, 19463), (750, 19472), (783, 19550), (789, 19556),

Gene: Bachita_50 Start: 30042, Stop: 31733, Start Num: 152

Candidate Starts for Bachita_50:

(Start: 152 @30042 has 16 MA's), (193, 30102), (214, 30135), (233, 30168), (280, 30294), (296, 30327), (299, 30336), (348, 30465), (363, 30513), (458, 30726), (459, 30732), (467, 30756), (524, 30885), (531, 30906), (541, 30939), (605, 31137), (678, 31290), (704, 31389), (707, 31401), (710, 31410), (740, 31494), (798, 31641), (807, 31677), (810, 31689),

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

Candidate Starts for BadStone_23:

(Start: 137 @19745 has 79 MA's), (Start: 203 @19829 has 47 MA's), (Start: 244 @19907 has 1 MA's), (274, 19994), (287, 20009), (309, 20057), (321, 20096), (353, 20183), (365, 20216), (379, 20252), (388, 20282), (390, 20288), (409, 20357), (435, 20387), (438, 20399), (439, 20402), (458, 20459), (518, 20591), (519, 20597), (538, 20663), (541, 20669), (549, 20693), (568, 20741), (578, 20765), (582, 20774), (606, 20849), (643, 20900), (650, 20915), (698, 21077), (704, 21104), (713, 21134), (747, 21239), (786, 21317), (797, 21353), (800, 21362), (808, 21395), (813, 21410),

Gene: BaghaKamala_23 Start: 17117, Stop: 18883, Start Num: 120

Candidate Starts for BaghaKamala_23:

(Start: 120 @17117 has 139 MA's), (Start: 148 @17147 has 2 MA's), (245, 17306), (255, 17339), (265, 17369), (280, 17402), (287, 17414), (315, 17504), (333, 17546), (358, 17618), (360, 17627), (376, 17666), (390, 17711), (397, 17732), (398, 17735), (433, 17789), (439, 17807), (454, 17849), (456, 17855), (463, 17882), (517, 18020), (521, 18038), (533, 18080), (540, 18098), (551, 18128), (564, 18155), (604, 18260), (666, 18419), (677, 18455), (685, 18485), (688, 18494), (707, 18569), (723, 18620), (800, 18815), (809, 18854), (810, 18857), (817, 18875),

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

Candidate Starts for Balomoji_23:

(Start: 137 @19479 has 79 MA's), (Start: 203 @19563 has 47 MA's), (Start: 244 @19641 has 1 MA's), (274, 19728), (287, 19743), (309, 19791), (321, 19830), (353, 19917), (365, 19950), (379, 19986), (388, 20016), (390, 20022), (409, 20091), (435, 20121), (438, 20133), (439, 20136), (458, 20193), (518, 20325), (519, 20331), (538, 20397), (541, 20403), (549, 20427), (568, 20475), (578, 20499), (582, 20508), (606, 20583), (643, 20634), (650, 20649), (698, 20811), (704, 20838), (713, 20868), (747, 20973), (786, 21051), (797, 21087), (800, 21096), (808, 21129), (813, 21144),

Gene: Bantam_30 Start: 27105, Stop: 28868, Start Num: 153

Candidate Starts for Bantam_30:

(69, 26973), (Start: 153 @27105 has 5 MA's), (193, 27162), (262, 27315), (298, 27390), (348, 27522), (363, 27570), (393, 27654), (439, 27816), (440, 27819), (455, 27861), (458, 27873), (459, 27879), (475, 27939), (477, 27945), (533, 28065), (545, 28098), (561, 28146), (605, 28272), (629, 28338), (704, 28524), (707, 28536), (733, 28614), (756, 28668), (818, 28860),

Gene: Baoshan_17 Start: 16814, Stop: 18547, Start Num: 131

Candidate Starts for Baoshan_17:

(Start: 131 @16814 has 77 MA's), (188, 16883), (261, 17024), (262, 17027), (278, 17057), (285, 17072), (296, 17105), (312, 17150), (334, 17204), (344, 17231), (347, 17243), (362, 17294), (365, 17300), (378, 17333), (451, 17486), (458, 17510), (460, 17519), (472, 17564), (490, 17615), (535, 17720), (553, 17777), (575, 17840), (601, 17912), (614, 17948), (661, 18047), (670, 18068), (672, 18074), (675, 18086), (691, 18149), (715, 18236), (723, 18263), (736, 18296), (754, 18347), (757, 18359), (764, 18383), (794, 18461), (800, 18479),

Gene: Barbarian_23 Start: 18698, Stop: 20293, Start Num: 203

Candidate Starts for Barbarian_23:

(Start: 137 @18614 has 79 MA's), (Start: 203 @18698 has 47 MA's), (Start: 244 @18776 has 1 MA's), (274, 18863), (287, 18878), (309, 18926), (321, 18965), (353, 19052), (357, 19064), (365, 19085), (379, 19121), (388, 19151), (390, 19157), (409, 19226), (435, 19256), (438, 19268), (439, 19271), (458, 19328), (518, 19460), (519, 19466), (538, 19532), (541, 19538), (549, 19562), (568, 19610), (578, 19634), (582, 19643), (606, 19718), (643, 19769), (650, 19784), (698, 19946), (704, 19973), (713, 20003), (747, 20108), (786, 20186), (797, 20222), (800, 20231), (808, 20264), (813, 20279),

Gene: Barco_19 Start: 16650, Stop: 18296, Start Num: 171

Candidate Starts for Barco_19:

(143, 16614), (Start: 171 @16650 has 46 MA's), (237, 16752), (262, 16830), (265, 16833), (309, 16929), (319, 16968), (354, 17049), (375, 17103), (380, 17118), (458, 17289), (467, 17319), (541, 17502), (549, 17526), (550, 17529), (571, 17577), (605, 17670), (612, 17682), (626, 17727), (631, 17742), (677, 17874), (678, 17877), (704, 17976), (709, 17994), (725, 18045), (750, 18111), (772, 18174), (782, 18186),

Gene: Barkley26_18 Start: 16652, Stop: 18406, Start Num: 142

Candidate Starts for Barkley26_18:

(53, 16439), (Start: 111 @16643 has 26 MA's), (Start: 142 @16652 has 43 MA's), (Start: 148 @16658 has 2 MA's), (155, 16664), (210, 16742), (237, 16796), (255, 16847), (265, 16877), (275, 16901), (287, 16922), (313, 17003), (328, 17042), (330, 17048), (338, 17063), (351, 17108), (393, 17228), (418, 17285), (439, 17324), (454, 17366), (456, 17372), (463, 17399), (467, 17411), (491, 17492), (517, 17537), (531, 17585), (587, 17735), (598, 17765), (604, 17783), (613, 17810), (653, 17912), (662, 17927), (676, 17975), (679, 17990), (698, 18053), (713, 18110), (725, 18149), (742, 18191), (761, 18242), (800, 18338), (817, 18398),

Gene: BarrelRoll_23 Start: 17140, Stop: 18906, Start Num: 120

Candidate Starts for BarrelRoll_23:

(Start: 120 @17140 has 139 MA's), (Start: 148 @17170 has 2 MA's), (245, 17329), (255, 17362), (265, 17392), (280, 17425), (287, 17437), (315, 17527), (333, 17569), (358, 17641), (360, 17650), (376, 17689), (390, 17734), (397, 17755), (398, 17758), (433, 17812), (439, 17830), (454, 17872), (456, 17878), (463, 17905), (517, 18043), (521, 18061), (533, 18103), (540, 18121), (551, 18151), (564, 18178), (604, 18283), (666, 18442), (677, 18478), (685, 18508), (688, 18517), (707, 18592), (723, 18643), (800, 18838), (809, 18877), (810, 18880), (817, 18898),

Gene: Bartholomew_19 Start: 16385, Stop: 18121, Start Num: 125

Candidate Starts for Bartholomew_19:

(Start: 106 @16361 has 2 MA's), (Start: 125 @16385 has 46 MA's), (175, 16445), (189, 16466), (190, 16469), (253, 16589), (265, 16628), (280, 16661), (295, 16685), (342, 16805), (353, 16844), (355, 16850), (385, 16934), (387, 16940), (390, 16952), (396, 16976), (403, 17003), (409, 17021), (429, 17060), (432, 17066), (440, 17090), (458, 17144), (461, 17156), (464, 17165), (479, 17225), (522, 17303), (533, 17342), (545, 17375), (568, 17441), (574, 17456), (578, 17465), (587, 17489), (597, 17519), (602, 17531), (656, 17633), (662, 17645), (663, 17648), (664, 17654), (665, 17663), (696, 17771), (719, 17855), (752, 17954), (800, 18062), (813, 18110),

Gene: Bask21_24 Start: 19009, Stop: 20604, Start Num: 203

Candidate Starts for Bask21_24:

(Start: 137 @18925 has 79 MA's), (Start: 203 @19009 has 47 MA's), (Start: 244 @19087 has 1 MA's), (274, 19174), (287, 19189), (309, 19237), (321, 19276), (353, 19363), (365, 19396), (379, 19432), (388, 19462), (390, 19468), (409, 19537), (435, 19567), (438, 19579), (439, 19582), (458, 19639), (518, 19771), (519, 19777), (538, 19843), (541, 19849), (549, 19873), (568, 19921), (578, 19945), (582, 19954), (606, 20029), (643, 20080), (650, 20095), (698, 20257), (704, 20284), (713, 20314), (747, 20419), (786, 20497), (797, 20533), (800, 20542), (808, 20575), (813, 20590),

Gene: BatStarr_19 Start: 17764, Stop: 19362, Start Num: 167

Candidate Starts for BatStarr_19:

(Start: 167 @17764 has 53 MA's), (302, 18022), (309, 18040), (310, 18043), (327, 18097), (354, 18172), (380, 18241), (381, 18250), (385, 18262), (400, 18313), (406, 18340), (410, 18349), (411, 18352), (456, 18385), (469, 18442), (513, 18508), (553, 18619), (570, 18643), (584, 18679), (621, 18781), (637, 18838), (680, 18928), (750, 19168), (774, 19246),

Gene: Batiatus_16 Start: 14857, Stop: 16566, Start Num: 129

Candidate Starts for Batiatus_16:

(Start: 129 @14857 has 207 MA's), (205, 14944), (Start: 232 @14989 has 2 MA's), (242, 15013), (279, 15118), (287, 15124), (294, 15142), (309, 15172), (347, 15277), (367, 15337), (376, 15358), (379, 15367), (387, 15391), (398, 15433), (432, 15517), (437, 15532), (439, 15538), (452, 15574), (453, 15577), (457, 15589), (458, 15595), (469, 15643), (474, 15655), (475, 15661), (517, 15721), (520, 15733), (531, 15769), (533, 15781), (565, 15856), (568, 15865), (575, 15883), (578, 15889), (590, 15919), (639, 16024), (643, 16033), (645, 16036), (659, 16072), (680, 16150), (706, 16249), (713, 16270), (723, 16303), (734, 16333), (743, 16363), (746, 16372), (748, 16378), (757, 16393), (758, 16396), (765, 16420), (782, 16450), (790, 16462), (797, 16492), (808, 16534),

Gene: Baudelaire_18 Start: 16306, Stop: 18069, Start Num: 98

Candidate Starts for Baudelaire_18:

(80, 16267), (85, 16282), (Start: 98 @16306 has 41 MA's), (Start: 120 @16327 has 139 MA's), (201, 16429), (210, 16444), (239, 16480), (262, 16555), (266, 16561), (274, 16579), (278, 16585), (280, 16591), (331, 16723), (344, 16756), (347, 16768), (353, 16789), (404, 16927), (447, 16996), (451, 17011), (455, 17023), (458, 17035), (460, 17044), (469, 17083), (472, 17089), (477, 17107), (485, 17137), (517, 17179), (543, 17266), (554, 17302), (563, 17329), (579, 17371), (586, 17389), (587, 17392), (589, 17395), (613, 17467), (614, 17470), (635, 17536), (638, 17548), (672, 17596), (689, 17662), (695, 17680), (704, 17722), (709, 17740), (723, 17785), (725, 17791), (759, 17887), (761, 17896), (764, 17905), (785, 17953), (787, 17956), (794, 17983), (800, 18001), (802, 18010), (805, 18022), (808, 18034), (810, 18043), (815, 18055),

Gene: Bavilard_18 Start: 16207, Stop: 17901, Start Num: 154

Candidate Starts for Bavilard_18:

(Start: 150 @16204 has 7 MA's), (Start: 154 @16207 has 33 MA's), (226, 16306), (Start: 244 @16348 has 1 MA's), (334, 16588), (362, 16675), (372, 16696), (375, 16705), (384, 16732), (398, 16777), (432, 16810), (437, 16825), (446, 16849), (454, 16882), (463, 16915), (467, 16927), (480, 16984), (500, 17014), (516, 17032), (525, 17062), (535, 17092), (555, 17155), (573, 17206), (587, 17242), (591, 17257), (599, 17275), (620, 17332), (622, 17341), (677, 17461), (679, 17473), (693, 17521), (706, 17572), (707, 17575), (713, 17593), (739, 17671), (748, 17698), (759, 17740), (810, 17887), (813, 17893),

Gene: BaxterFox_18 Start: 17103, Stop: 18701, Start Num: 167

Candidate Starts for BaxterFox_18:

(Start: 167 @17103 has 53 MA's), (302, 17361), (309, 17379), (310, 17382), (327, 17436), (354, 17511), (380, 17580), (381, 17589), (385, 17601), (388, 17613), (400, 17652), (406, 17679), (410, 17688), (411, 17691), (456, 17724), (469, 17781), (513, 17847), (553, 17958), (584, 18018), (621, 18120), (637, 18177), (680, 18267), (750, 18507), (774, 18585),

Gene: Bazzle_18 Start: 16954, Stop: 18687, Start Num: 131

Candidate Starts for Bazzle_18:

(Start: 131 @16954 has 77 MA's), (188, 17023), (261, 17164), (262, 17167), (285, 17212), (296, 17245), (312, 17290), (334, 17344), (344, 17371), (347, 17383), (362, 17434), (365, 17440), (378, 17473), (451, 17626), (458, 17650), (460, 17659), (468, 17683), (469, 17698), (472, 17704), (490, 17755), (517, 17797), (553, 17917), (575, 17980), (601, 18052), (614, 18088), (638, 18166), (661, 18187), (670, 18208), (672, 18214), (675, 18226), (691, 18289), (715, 18376), (723, 18403), (736, 18436), (748, 18472), (754, 18487), (764, 18523), (794, 18601), (800, 18619),

Gene: Beakin_17 Start: 14663, Stop: 16372, Start Num: 129

Candidate Starts for Beakin_17:

(Start: 129 @14663 has 207 MA's), (205, 14750), (Start: 232 @14795 has 2 MA's), (242, 14819), (279, 14924), (287, 14930), (294, 14948), (309, 14978), (347, 15083), (367, 15143), (376, 15164), (379, 15173), (385, 15191), (387, 15197), (406, 15272), (432, 15323), (437, 15338), (439, 15344), (452, 15380), (453, 15383), (457, 15395), (458, 15401), (469, 15449), (474, 15461), (475, 15467), (517,

15527), (520, 15539), (531, 15575), (533, 15587), (565, 15662), (568, 15671), (575, 15689), (578, 15695), (590, 15725), (639, 15830), (643, 15839), (645, 15842), (659, 15878), (680, 15956), (706, 16055), (713, 16076), (723, 16109), (734, 16139), (743, 16169), (746, 16178), (748, 16184), (757, 16199), (758, 16202), (765, 16226), (782, 16256), (790, 16268), (797, 16298), (808, 16340),

Gene: BearBQ_19 Start: 17400, Stop: 19109, Start Num: 147

Candidate Starts for BearBQ_19:

(Start: 147 @17400 has 24 MA's), (157, 17412), (159, 17415), (226, 17517), (Start: 244 @17553 has 1 MA's), (266, 17619), (304, 17712), (318, 17763), (322, 17772), (331, 17790), (346, 17832), (348, 17838), (355, 17862), (357, 17868), (362, 17886), (382, 17937), (384, 17943), (393, 17973), (433, 18015), (443, 18042), (450, 18066), (463, 18117), (464, 18120), (471, 18150), (539, 18300), (596, 18462), (620, 18528), (622, 18537), (625, 18549), (628, 18558), (672, 18651), (677, 18672), (679, 18684), (681, 18690), (684, 18699), (685, 18702), (699, 18756), (707, 18786), (727, 18855), (757, 18942), (759, 18948), (776, 18999), (808, 19086), (814, 19104),

Gene: Becksu_24 Start: 20013, Stop: 21608, Start Num: 203

Candidate Starts for Becksu_24:

(Start: 137 @19929 has 79 MA's), (Start: 203 @20013 has 47 MA's), (Start: 244 @20091 has 1 MA's), (274, 20178), (287, 20193), (309, 20241), (321, 20280), (353, 20367), (365, 20400), (379, 20436), (388, 20466), (390, 20472), (409, 20541), (435, 20571), (438, 20583), (439, 20586), (458, 20643), (518, 20775), (519, 20781), (538, 20847), (541, 20853), (549, 20877), (568, 20925), (578, 20949), (582, 20958), (606, 21033), (643, 21084), (650, 21099), (698, 21261), (704, 21288), (713, 21318), (747, 21423), (786, 21501), (797, 21537), (800, 21546), (808, 21579), (813, 21594),

Gene: BeeGee_20 Start: 17530, Stop: 19236, Start Num: 147

Candidate Starts for BeeGee_20:

(Start: 125 @17506 has 46 MA's), (Start: 147 @17530 has 24 MA's), (224, 17635), (Start: 244 @17677 has 1 MA's), (271, 17752), (313, 17866), (362, 18013), (365, 18019), (382, 18064), (451, 18202), (471, 18277), (586, 18559), (592, 18580), (620, 18655), (657, 18742), (672, 18778), (679, 18811), (681, 18817), (699, 18883), (707, 18913), (757, 19069), (759, 19075), (764, 19093), (806, 19204),

Gene: Beelzebub_54 Start: 27672, Stop: 29384, Start Num: 131

Candidate Starts for Beelzebub_54:

(90, 27609), (Start: 131 @27672 has 77 MA's), (196, 27753), (237, 27810), (262, 27891), (266, 27897), (291, 27954), (295, 27966), (299, 27978), (313, 28017), (317, 28032), (346, 28101), (362, 28155), (366, 28164), (443, 28320), (458, 28368), (460, 28377), (463, 28386), (473, 28425), (477, 28440), (517, 28503), (520, 28515), (556, 28632), (557, 28635), (575, 28686), (586, 28713), (587, 28716), (593, 28737), (607, 28779), (665, 28899), (672, 28917), (709, 29061), (723, 29106), (727, 29124), (756, 29208), (759, 29217), (764, 29235), (771, 29256), (794, 29301), (796, 29307), (800, 29319), (803, 29331), (806, 29343), (813, 29367), (815, 29373),

Gene: Beenie_20 Start: 17703, Stop: 19283, Start Num: 167

Candidate Starts for Beenie_20:

(83, 17586), (Start: 167 @17703 has 53 MA's), (302, 17961), (310, 17982), (327, 18036), (344, 18075), (361, 18132), (370, 18153), (456, 18324), (460, 18342), (468, 18366), (472, 18387), (513, 18429), (543, 18510), (584, 18600), (602, 18645), (621, 18702), (622, 18705), (637, 18759), (680, 18849), (761, 19128), (764, 19137), (774, 19167),

Gene: Beezoo_23 Start: 17164, Stop: 18930, Start Num: 120

Candidate Starts for Beezoo_23:

(Start: 120 @17164 has 139 MA's), (Start: 148 @17194 has 2 MA's), (245, 17353), (255, 17386), (265, 17416), (280, 17449), (287, 17461), (315, 17551), (333, 17593), (358, 17665), (360, 17674), (376, 17713), (390, 17758), (397, 17779), (398, 17782), (433, 17836), (439, 17854), (454, 17896), (456,

17902), (463, 17929), (517, 18067), (521, 18085), (533, 18127), (540, 18145), (551, 18175), (564, 18202), (604, 18307), (666, 18466), (677, 18502), (688, 18541), (707, 18616), (723, 18667), (800, 18862), (809, 18901), (810, 18904), (817, 18922),

Gene: Begonia_20 Start: 17128, Stop: 18774, Start Num: 171

Candidate Starts for Begonia_20:

(143, 17092), (Start: 171 @17128 has 46 MA's), (237, 17230), (262, 17308), (309, 17407), (319, 17446), (354, 17527), (375, 17581), (380, 17596), (458, 17767), (467, 17797), (541, 17980), (549, 18004), (571, 18055), (605, 18148), (612, 18160), (626, 18205), (631, 18220), (677, 18352), (678, 18355), (704, 18454), (709, 18472), (725, 18523), (750, 18589), (772, 18652), (782, 18664),

Gene: Bella96_23 Start: 17084, Stop: 18850, Start Num: 120

Candidate Starts for Bella96_23:

(Start: 120 @17084 has 139 MA's), (Start: 148 @17114 has 2 MA's), (245, 17273), (255, 17306), (265, 17336), (280, 17369), (287, 17381), (315, 17471), (333, 17513), (358, 17585), (360, 17594), (376, 17633), (390, 17678), (398, 17702), (439, 17774), (454, 17816), (456, 17822), (463, 17849), (517, 17987), (521, 18005), (533, 18047), (540, 18065), (551, 18095), (564, 18122), (604, 18227), (633, 18317), (677, 18422), (685, 18452), (688, 18461), (707, 18536), (723, 18587), (800, 18782), (809, 18821), (810, 18824), (817, 18842),

Gene: Belladonna_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Belladonna_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Bellis_19 Start: 17375, Stop: 19138, Start Num: 98

Candidate Starts for Bellis_19:

(Start: 98 @17375 has 41 MA's), (Start: 120 @17402 has 139 MA's), (174, 17465), (Start: 207 @17513 has 1 MA's), (210, 17519), (239, 17555), (262, 17630), (274, 17654), (278, 17660), (299, 17717), (344, 17831), (347, 17843), (385, 17954), (455, 18098), (458, 18110), (468, 18143), (469, 18158), (543, 18332), (545, 18338), (563, 18395), (579, 18437), (583, 18446), (587, 18458), (613, 18533), (635, 18602), (638, 18614), (672, 18662), (689, 18728), (709, 18806), (723, 18851), (744, 18908), (764, 18971), (777, 19007), (785, 19022), (794, 19052), (796, 19058), (800, 19070), (802, 19079), (805, 19091),

Gene: Belphegor_33 Start: 30018, Stop: 31643, Start Num: 166

Candidate Starts for Belphegor_33:

(Start: 119 @29961 has 1 MA's), (Start: 166 @30018 has 18 MA's), (176, 30030), (199, 30063), (Start: 232 @30114 has 2 MA's), (274, 30231), (280, 30243), (295, 30273), (313, 30318), (333, 30369), (347, 30408), (440, 30615), (451, 30645), (454, 30654), (464, 30690), (479, 30750), (517, 30798), (519, 30807), (537, 30870), (550, 30906), (553, 30915), (566, 30945), (582, 30984), (612, 31071), (613, 31074), (648, 31152), (677, 31212), (689, 31257), (709, 31338), (726, 31392), (761, 31488), (800, 31584), (808, 31617),

Gene: Bench_26 Start: 19690, Stop: 21285, Start Num: 203

Candidate Starts for Bench_26:

(Start: 137 @19606 has 79 MA's), (Start: 203 @19690 has 47 MA's), (Start: 244 @19768 has 1 MA's), (274, 19855), (287, 19870), (309, 19918), (321, 19957), (353, 20044), (365, 20077), (379, 20113), (388, 20143), (390, 20149), (409, 20218), (435, 20248), (438, 20260), (439, 20263), (458, 20320),

(518, 20452), (519, 20458), (538, 20524), (541, 20530), (549, 20554), (568, 20602), (578, 20626), (582, 20635), (606, 20710), (643, 20761), (650, 20776), (698, 20938), (704, 20965), (713, 20995), (747, 21100), (786, 21178), (797, 21214), (800, 21223), (808, 21256), (813, 21271),

Gene: Bern_25 Start: 17112, Stop: 18878, Start Num: 120

Candidate Starts for Bern_25:

(Start: 120 @17112 has 139 MA's), (Start: 148 @17142 has 2 MA's), (245, 17301), (255, 17334), (265, 17364), (280, 17397), (287, 17409), (315, 17499), (333, 17541), (358, 17613), (360, 17622), (376, 17661), (390, 17706), (393, 17715), (398, 17730), (439, 17802), (454, 17844), (456, 17850), (463, 17877), (517, 18015), (521, 18033), (533, 18075), (540, 18093), (551, 18123), (564, 18150), (604, 18255), (677, 18450), (685, 18480), (688, 18489), (707, 18564), (723, 18615), (761, 18714), (786, 18765), (800, 18810), (809, 18849), (810, 18852), (817, 18870),

Gene: Bernal13_19 Start: 16980, Stop: 18686, Start Num: 133

Candidate Starts for Bernal13_19:

(68, 16872), (75, 16884), (Start: 133 @16980 has 7 MA's), (188, 17046), (Start: 244 @17121 has 1 MA's), (246, 17127), (274, 17211), (296, 17265), (312, 17310), (313, 17313), (341, 17379), (458, 17664), (543, 17886), (607, 18075), (672, 18213), (675, 18225), (723, 18402), (736, 18438), (794, 18603), (802, 18630), (813, 18669), (815, 18675),

Gene: BetterKatz_22 Start: 17603, Stop: 19309, Start Num: 172

Candidate Starts for BetterKatz_22:

(Start: 106 @17528 has 2 MA's), (Start: 172 @17603 has 16 MA's), (Start: 232 @17696 has 2 MA's), (237, 17711), (239, 17717), (264, 17792), (296, 17864), (332, 17975), (348, 18020), (353, 18038), (358, 18050), (437, 18221), (440, 18230), (443, 18236), (454, 18269), (470, 18332), (483, 18383), (504, 18407), (516, 18431), (537, 18506), (551, 18545), (602, 18677), (637, 18791), (676, 18878), (706, 18992), (709, 19001), (746, 19106), (783, 19193), (817, 19301),

Gene: Bhagsy_19 Start: 16392, Stop: 18128, Start Num: 125

Candidate Starts for Bhagsy_19:

(Start: 106 @16368 has 2 MA's), (Start: 125 @16392 has 46 MA's), (175, 16452), (189, 16473), (190, 16476), (253, 16596), (265, 16635), (280, 16668), (295, 16692), (342, 16812), (353, 16851), (355, 16857), (385, 16941), (387, 16947), (390, 16959), (396, 16983), (403, 17010), (409, 17028), (429, 17067), (432, 17073), (440, 17097), (458, 17151), (461, 17163), (464, 17172), (479, 17232), (522, 17310), (533, 17349), (545, 17382), (568, 17448), (574, 17463), (578, 17472), (587, 17496), (597, 17526), (602, 17538), (656, 17640), (662, 17652), (663, 17655), (664, 17661), (665, 17670), (696, 17778), (719, 17862), (752, 17961), (800, 18069), (813, 18117),

Gene: BiPauneto_44 Start: 29578, Stop: 31182, Start Num: 187

Candidate Starts for BiPauneto_44:

(Start: 178 @29566 has 37 MA's), (Start: 184 @29575 has 1 MA's), (Start: 187 @29578 has 8 MA's), (Start: 207 @29602 has 1 MA's), (245, 29680), (313, 29863), (338, 29920), (342, 29932), (346, 29947), (369, 30013), (375, 30028), (383, 30052), (413, 30139), (428, 30145), (438, 30169), (458, 30229), (467, 30259), (471, 30280), (524, 30385), (531, 30406), (567, 30493), (586, 30541), (627, 30667), (637, 30703), (706, 30868), (712, 30886), (723, 30922), (793, 31096), (797, 31108), (813, 31165),

Gene: Bialota_19 Start: 17776, Stop: 19374, Start Num: 167

Candidate Starts for Bialota_19:

(Start: 167 @17776 has 53 MA's), (299, 18025), (302, 18034), (309, 18052), (310, 18055), (327, 18109), (354, 18184), (380, 18253), (381, 18262), (385, 18274), (388, 18286), (400, 18325), (406, 18352), (410, 18361), (411, 18364), (456, 18397), (469, 18454), (513, 18520), (553, 18631), (584, 18691), (621, 18793), (637, 18850), (680, 18940), (750, 19180), (774, 19258),

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

Candidate Starts for BigBubba_25:

(Start: 137 @19509 has 79 MA's), (Start: 203 @19593 has 47 MA's), (Start: 244 @19671 has 1 MA's), (274, 19758), (287, 19773), (309, 19821), (321, 19860), (353, 19947), (365, 19980), (379, 20016), (388, 20046), (390, 20052), (409, 20121), (435, 20151), (438, 20163), (439, 20166), (458, 20223), (518, 20355), (519, 20361), (538, 20427), (541, 20433), (549, 20457), (568, 20505), (578, 20529), (582, 20538), (606, 20613), (643, 20664), (650, 20679), (698, 20841), (704, 20868), (713, 20898), (747, 21003), (786, 21081), (797, 21117), (800, 21126), (808, 21159), (813, 21174),

Gene: BigCheese_18 Start: 16989, Stop: 18722, Start Num: 131

Candidate Starts for BigCheese_18:

(Start: 131 @16989 has 77 MA's), (188, 17058), (261, 17199), (262, 17202), (285, 17247), (296, 17280), (299, 17289), (312, 17325), (334, 17379), (344, 17406), (347, 17418), (362, 17469), (365, 17475), (378, 17508), (451, 17661), (458, 17685), (460, 17694), (472, 17739), (476, 17754), (517, 17832), (553, 17952), (575, 18015), (601, 18087), (614, 18123), (670, 18243), (672, 18249), (675, 18261), (691, 18324), (715, 18411), (723, 18438), (748, 18507), (754, 18522), (757, 18534), (764, 18558), (794, 18636),

Gene: BigChungus_17 Start: 15461, Stop: 17155, Start Num: 154

Candidate Starts for BigChungus_17:

(Start: 150 @15458 has 7 MA's), (Start: 154 @15461 has 33 MA's), (226, 15560), (Start: 244 @15602 has 1 MA's), (266, 15671), (334, 15842), (362, 15929), (372, 15950), (375, 15959), (384, 15986), (398, 16031), (432, 16064), (437, 16079), (446, 16103), (454, 16136), (463, 16169), (467, 16181), (480, 16238), (516, 16286), (525, 16316), (535, 16346), (555, 16409), (573, 16460), (587, 16496), (591, 16511), (599, 16529), (620, 16586), (622, 16595), (677, 16715), (679, 16727), (693, 16775), (706, 16826), (707, 16829), (713, 16847), (739, 16925), (744, 16940), (748, 16952), (759, 16994), (810, 17141), (813, 17147),

Gene: BigNuz_18 Start: 16129, Stop: 17865, Start Num: 125

Candidate Starts for BigNuz_18:

(Start: 125 @16129 has 46 MA's), (190, 16213), (251, 16327), (253, 16333), (258, 16354), (265, 16372), (280, 16405), (295, 16429), (353, 16588), (355, 16594), (394, 16708), (409, 16765), (429, 16804), (432, 16810), (440, 16834), (458, 16888), (461, 16900), (464, 16909), (479, 16969), (512, 17014), (517, 17026), (522, 17047), (533, 17086), (545, 17119), (549, 17131), (568, 17185), (578, 17209), (587, 17233), (597, 17263), (602, 17275), (656, 17377), (662, 17389), (664, 17398), (665, 17407), (696, 17515), (719, 17599), (752, 17698), (782, 17755), (813, 17854),

Gene: BigPhil_17 Start: 14635, Stop: 16344, Start Num: 129

Candidate Starts for BigPhil_17:

(Start: 129 @14635 has 207 MA's), (205, 14722), (Start: 232 @14767 has 2 MA's), (242, 14791), (279, 14896), (287, 14902), (294, 14920), (309, 14950), (347, 15055), (367, 15115), (376, 15136), (379, 15145), (387, 15169), (406, 15244), (407, 15247), (432, 15295), (437, 15310), (439, 15316), (452, 15352), (453, 15355), (457, 15367), (458, 15373), (469, 15421), (474, 15433), (475, 15439), (517, 15499), (520, 15511), (531, 15547), (533, 15559), (565, 15634), (568, 15643), (575, 15661), (578, 15667), (590, 15697), (639, 15802), (643, 15811), (645, 15814), (659, 15850), (680, 15928), (706, 16027), (713, 16048), (723, 16081), (734, 16111), (743, 16141), (746, 16150), (748, 16156), (757, 16171), (758, 16174), (765, 16198), (782, 16228), (790, 16240), (797, 16270), (808, 16312),

Gene: Biglebops_19 Start: 16697, Stop: 18463, Start Num: 120

Candidate Starts for Biglebops_19:

(Start: 120 @16697 has 139 MA's), (Start: 125 @16703 has 46 MA's), (Start: 148 @16727 has 2 MA's), (Start: 232 @16853 has 2 MA's), (237, 16868), (245, 16886), (265, 16949), (315, 17084), (317, 17090), (358, 17198), (360, 17207), (397, 17312), (437, 17381), (439, 17387), (452, 17423), (456,

17435), (472, 17498), (517, 17600), (521, 17618), (533, 17660), (534, 17663), (578, 17768), (604, 17840), (637, 17948), (640, 17954), (666, 17999), (681, 18053), (688, 18074), (707, 18149), (723, 18200), (761, 18299), (766, 18314), (786, 18350), (800, 18395), (809, 18434), (810, 18437), (817, 18455),

Gene: BilboSwaggins_24 Start: 19830, Stop: 21425, Start Num: 203

Candidate Starts for BilboSwaggins_24:

(Start: 137 @19746 has 79 MA's), (Start: 203 @19830 has 47 MA's), (Start: 244 @19908 has 1 MA's), (274, 19995), (287, 20010), (309, 20058), (321, 20097), (353, 20184), (365, 20217), (379, 20253), (388, 20283), (390, 20289), (409, 20358), (435, 20388), (438, 20400), (439, 20403), (458, 20460), (518, 20592), (519, 20598), (538, 20664), (541, 20670), (549, 20694), (568, 20742), (578, 20766), (582, 20775), (606, 20850), (643, 20901), (650, 20916), (698, 21078), (704, 21105), (713, 21135), (747, 21240), (786, 21318), (797, 21354), (800, 21363), (808, 21396), (813, 21411),

Gene: BillDoor_20 Start: 15365, Stop: 17062, Start Num: 154

Candidate Starts for BillDoor_20:

(Start: 150 @15362 has 7 MA's), (Start: 154 @15365 has 33 MA's), (226, 15467), (Start: 232 @15479 has 2 MA's), (265, 15575), (301, 15659), (334, 15749), (353, 15809), (362, 15836), (375, 15866), (376, 15869), (398, 15938), (432, 15971), (436, 15983), (437, 15986), (444, 16007), (446, 16010), (463, 16076), (467, 16088), (535, 16253), (587, 16403), (591, 16418), (599, 16436), (620, 16493), (679, 16634), (681, 16640), (685, 16652), (688, 16661), (706, 16733), (707, 16736), (709, 16742), (713, 16754), (744, 16847), (748, 16859), (751, 16868), (759, 16901),

Gene: Bipolar_16 Start: 14807, Stop: 16516, Start Num: 129

Candidate Starts for Bipolar_16:

(Start: 129 @14807 has 207 MA's), (205, 14894), (Start: 232 @14939 has 2 MA's), (242, 14963), (279, 15068), (287, 15074), (294, 15092), (309, 15122), (347, 15227), (367, 15287), (376, 15308), (379, 15317), (387, 15341), (406, 15416), (407, 15419), (432, 15467), (437, 15482), (439, 15488), (452, 15524), (453, 15527), (457, 15539), (458, 15545), (469, 15593), (474, 15605), (475, 15611), (517, 15671), (520, 15683), (531, 15719), (533, 15731), (534, 15734), (565, 15806), (568, 15815), (575, 15833), (578, 15839), (590, 15869), (639, 15974), (643, 15983), (645, 15986), (659, 16022), (680, 16100), (706, 16199), (713, 16220), (723, 16253), (743, 16313), (746, 16322), (748, 16328), (757, 16343), (758, 16346), (765, 16370), (782, 16400), (790, 16412), (797, 16442), (808, 16484),

Gene: Bipper_24 Start: 19740, Stop: 21590, Start Num: 72

Candidate Starts for Bipper_24:

(Start: 72 @19740 has 4 MA's), (91, 19785), (Start: 184 @19884 has 1 MA's), (210, 19920), (228, 19950), (237, 19974), (255, 20025), (256, 20028), (298, 20127), (299, 20130), (346, 20268), (352, 20289), (362, 20319), (365, 20325), (380, 20364), (405, 20430), (435, 20472), (439, 20487), (454, 20529), (464, 20565), (467, 20574), (470, 20592), (489, 20652), (494, 20658), (496, 20661), (505, 20691), (516, 20724), (517, 20727), (524, 20754), (545, 20820), (635, 21069), (691, 21216), (711, 21288), (725, 21333), (736, 21357), (738, 21363), (782, 21471), (809, 21561), (810, 21564),

Gene: Birdsong_19 Start: 16293, Stop: 18002, Start Num: 147

Candidate Starts for Birdsong_19:

(Start: 147 @16293 has 24 MA's), (157, 16305), (159, 16308), (226, 16410), (Start: 244 @16446 has 1 MA's), (266, 16512), (318, 16656), (322, 16665), (331, 16683), (346, 16725), (348, 16731), (355, 16755), (362, 16779), (382, 16830), (384, 16836), (393, 16866), (433, 16908), (440, 16929), (443, 16935), (450, 16959), (463, 17010), (464, 17013), (471, 17043), (539, 17193), (550, 17229), (596, 17355), (620, 17421), (622, 17430), (625, 17442), (628, 17451), (672, 17544), (677, 17565), (679, 17577), (681, 17583), (683, 17589), (685, 17595), (699, 17649), (707, 17679), (727, 17748), (757, 17835), (759, 17841), (776, 17892), (808, 17979), (814, 17997),

Gene: Biskit_19 Start: 15377, Stop: 17077, Start Num: 150

Candidate Starts for Biskit_19:

(Start: 125 @15350 has 46 MA's), (Start: 150 @15377 has 7 MA's), (Start: 154 @15380 has 33 MA's),
(265, 15590), (331, 15758), (334, 15764), (372, 15872), (375, 15881), (384, 15908), (393, 15938),
(398, 15953), (432, 15986), (436, 15998), (448, 16034), (463, 16091), (467, 16103), (535, 16268),
(587, 16418), (591, 16433), (599, 16451), (620, 16508), (677, 16637), (679, 16649), (685, 16667),
(688, 16676), (706, 16748), (707, 16751), (709, 16757), (713, 16769), (748, 16874), (751, 16883),
(759, 16916),

Gene: Bjaner7_17 Start: 14751, Stop: 16460, Start Num: 169

Candidate Starts for Bjaner7_17:

(77, 14616), (Start: 169 @14751 has 31 MA's), (260, 14940), (261, 14943), (295, 15018), (312, 15072),
(340, 15141), (344, 15153), (370, 15231), (372, 15234), (410, 15366), (431, 15420), (445, 15471),
(455, 15501), (469, 15561), (474, 15573), (513, 15609), (556, 15726), (570, 15744), (585, 15783),
(621, 15879), (671, 15987), (749, 16263), (750, 16266), (764, 16314), (774, 16344),

Gene: Blackbeetle_50 Start: 26718, Stop: 28430, Start Num: 131

Candidate Starts for Blackbeetle_50:

(90, 26655), (Start: 131 @26718 has 77 MA's), (196, 26799), (237, 26856), (262, 26937), (266, 26943),
(291, 27000), (295, 27012), (299, 27024), (313, 27063), (317, 27078), (346, 27147), (362, 27201),
(366, 27210), (443, 27366), (458, 27414), (460, 27423), (463, 27432), (473, 27471), (477, 27486),
(517, 27549), (520, 27561), (556, 27678), (557, 27681), (575, 27732), (586, 27759), (587, 27762),
(593, 27783), (607, 27825), (665, 27945), (672, 27963), (709, 28107), (723, 28152), (727, 28170),
(756, 28254), (759, 28263), (764, 28281), (771, 28302), (794, 28347), (796, 28353), (800, 28365),
(803, 28377), (806, 28389), (813, 28413), (815, 28419),

Gene: Blessica_57 Start: 33788, Stop: 35524, Start Num: 109

Candidate Starts for Blessica_57:

(Start: 104 @33779 has 2 MA's), (Start: 109 @33788 has 26 MA's), (Start: 184 @33878 has 1 MA's),
(248, 33995), (258, 34031), (266, 34052), (279, 34079), (287, 34085), (298, 34115), (311, 34139),
(329, 34190), (379, 34328), (381, 34334), (395, 34385), (396, 34388), (401, 34406), (432, 34457),
(439, 34478), (440, 34481), (457, 34529), (458, 34535), (469, 34583), (472, 34589), (474, 34595),
(507, 34655), (517, 34679), (518, 34682), (531, 34727), (534, 34742), (537, 34751), (541, 34760),
(557, 34805), (568, 34823), (582, 34856), (645, 34994), (654, 35015), (674, 35081), (681, 35111),
(696, 35165), (706, 35207), (713, 35228), (719, 35249), (723, 35261), (730, 35282), (748, 35336),
(786, 35414), (797, 35450), (803, 35471), (809, 35498),

Gene: Blexus_16 Start: 14994, Stop: 16703, Start Num: 129

Candidate Starts for Blexus_16:

(Start: 129 @14994 has 207 MA's), (205, 15081), (Start: 232 @15126 has 2 MA's), (242, 15150), (258,
15207), (279, 15255), (287, 15261), (294, 15279), (309, 15309), (347, 15414), (367, 15474), (376,
15495), (379, 15504), (387, 15528), (432, 15654), (437, 15669), (439, 15675), (452, 15711), (453,
15714), (457, 15726), (458, 15732), (469, 15780), (474, 15792), (475, 15798), (517, 15858), (520,
15870), (531, 15906), (533, 15918), (565, 15993), (568, 16002), (575, 16020), (578, 16026), (590,
16056), (639, 16161), (645, 16173), (659, 16209), (680, 16287), (706, 16386), (713, 16407), (723,
16440), (734, 16470), (743, 16500), (746, 16509), (748, 16515), (757, 16530), (758, 16533), (764,
16554), (765, 16557), (790, 16599), (797, 16629), (808, 16671),

Gene: BlingBling_19 Start: 16650, Stop: 18296, Start Num: 171

Candidate Starts for BlingBling_19:

(143, 16614), (Start: 171 @16650 has 46 MA's), (237, 16752), (262, 16830), (265, 16833), (309,
16929), (319, 16968), (354, 17049), (375, 17103), (380, 17118), (458, 17289), (467, 17319), (541,
17502), (549, 17526), (550, 17529), (571, 17577), (605, 17670), (612, 17682), (626, 17727), (631,

17742), (677, 17874), (678, 17877), (704, 17976), (709, 17994), (725, 18045), (750, 18111), (772, 18174), (782, 18186),

Gene: Blino_19 Start: 16618, Stop: 18264, Start Num: 171

Candidate Starts for Blino_19:

(143, 16582), (Start: 171 @16618 has 46 MA's), (237, 16720), (262, 16798), (265, 16801), (309, 16897), (319, 16936), (354, 17017), (375, 17071), (380, 17086), (458, 17257), (467, 17287), (541, 17470), (549, 17494), (571, 17545), (605, 17638), (612, 17650), (626, 17695), (631, 17710), (677, 17842), (678, 17845), (704, 17944), (709, 17962), (725, 18013), (748, 18073), (750, 18079), (772, 18142), (782, 18154),

Gene: Blizzard_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Blizzard_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Blondies_18 Start: 15363, Stop: 17060, Start Num: 154

Candidate Starts for Blondies_18:

(Start: 125 @15333 has 46 MA's), (Start: 150 @15360 has 7 MA's), (Start: 154 @15363 has 33 MA's), (265, 15573), (331, 15741), (334, 15747), (353, 15807), (372, 15855), (375, 15864), (384, 15891), (393, 15921), (398, 15936), (432, 15969), (436, 15981), (448, 16017), (463, 16074), (467, 16086), (535, 16251), (587, 16401), (591, 16416), (599, 16434), (620, 16491), (677, 16620), (679, 16632), (685, 16650), (688, 16659), (706, 16731), (707, 16734), (709, 16740), (713, 16752), (748, 16857), (751, 16866), (759, 16899),

Gene: BlueCrab_16 Start: 14976, Stop: 16685, Start Num: 129

Candidate Starts for BlueCrab_16:

(Start: 129 @14976 has 207 MA's), (205, 15063), (Start: 232 @15108 has 2 MA's), (242, 15132), (279, 15237), (287, 15243), (294, 15261), (309, 15291), (347, 15396), (367, 15456), (376, 15477), (379, 15486), (387, 15510), (432, 15636), (437, 15651), (439, 15657), (452, 15693), (453, 15696), (457, 15708), (458, 15714), (469, 15762), (474, 15774), (475, 15780), (517, 15840), (520, 15852), (531, 15888), (533, 15900), (565, 15975), (568, 15984), (575, 16002), (578, 16008), (590, 16038), (639, 16143), (643, 16152), (645, 16155), (659, 16191), (680, 16269), (706, 16368), (713, 16389), (723, 16422), (734, 16452), (743, 16482), (746, 16491), (748, 16497), (757, 16512), (758, 16515), (764, 16536), (765, 16539), (790, 16581), (797, 16611), (808, 16653),

Gene: BlueNGold_100 Start: 60020, Stop: 61648, Start Num: 158

Candidate Starts for BlueNGold_100:

(Start: 158 @60020 has 4 MA's), (Start: 171 @60035 has 46 MA's), (176, 60038), (194, 60065), (Start: 232 @60122 has 2 MA's), (246, 60158), (256, 60191), (266, 60221), (268, 60224), (300, 60293), (307, 60299), (362, 60464), (379, 60506), (382, 60515), (385, 60524), (388, 60536), (451, 60656), (517, 60809), (533, 60869), (589, 61016), (597, 61037), (602, 61052), (627, 61130), (629, 61136), (685, 61253), (689, 61268), (704, 61325), (713, 61355), (723, 61388), (766, 61508), (813, 61637),

Gene: Blueberry_21 Start: 16962, Stop: 18611, Start Num: 171

Candidate Starts for Blueberry_21:

(143, 16926), (Start: 171 @16962 has 46 MA's), (Start: 178 @16971 has 37 MA's), (237, 17067), (262, 17145), (298, 17217), (309, 17244), (319, 17283), (354, 17364), (375, 17418), (458, 17604), (467, 17634), (516, 17733), (541, 17817), (549, 17841), (571, 17892), (605, 17985), (612, 17997), (626,

18042), (631, 18057), (677, 18189), (678, 18192), (704, 18291), (709, 18309), (725, 18360), (748, 18420), (750, 18426), (782, 18501),

Gene: BobaPhett_16 Start: 14804, Stop: 16513, Start Num: 129

Candidate Starts for BobaPhett_16:

(Start: 129 @14804 has 207 MA's), (205, 14891), (Start: 232 @14936 has 2 MA's), (242, 14960), (258, 15017), (279, 15065), (287, 15071), (294, 15089), (309, 15119), (347, 15224), (364, 15278), (367, 15284), (371, 15293), (379, 15314), (387, 15338), (396, 15374), (398, 15380), (406, 15413), (407, 15416), (411, 15425), (424, 15440), (425, 15446), (432, 15464), (437, 15479), (439, 15485), (446, 15503), (447, 15506), (452, 15521), (457, 15536), (458, 15542), (469, 15590), (474, 15602), (475, 15608), (517, 15668), (520, 15680), (531, 15716), (533, 15728), (565, 15803), (568, 15812), (575, 15830), (578, 15836), (590, 15866), (639, 15971), (645, 15983), (659, 16019), (680, 16097), (713, 16217), (723, 16250), (734, 16280), (737, 16292), (743, 16310), (745, 16316), (746, 16319), (748, 16325), (757, 16340), (758, 16343), (764, 16364), (765, 16367), (790, 16409), (797, 16439), (808, 16481), (809, 16487),

Gene: Bobby_38 Start: 28176, Stop: 30174, Start Num: 131

Candidate Starts for Bobby_38:

(Start: 131 @28176 has 77 MA's), (Start: 203 @28266 has 47 MA's), (229, 28314), (242, 28344), (251, 28371), (295, 28473), (310, 28503), (325, 28554), (345, 28602), (355, 28638), (357, 28644), (365, 28665), (390, 28737), (393, 28746), (398, 28767), (439, 28875), (440, 28878), (446, 28893), (458, 28932), (469, 28980), (474, 28992), (475, 28998), (506, 29046), (511, 29055), (518, 29076), (522, 29094), (536, 29142), (575, 29244), (602, 29316), (615, 29361), (616, 29373), (617, 29508), (618, 29514), (619, 29538), (630, 29610), (637, 29637), (714, 29886),

Gene: Bobi_18 Start: 15396, Stop: 17105, Start Num: 129

Candidate Starts for Bobi_18:

(Start: 129 @15396 has 207 MA's), (205, 15483), (Start: 232 @15528 has 2 MA's), (242, 15552), (279, 15657), (287, 15663), (294, 15681), (309, 15711), (347, 15816), (367, 15876), (376, 15897), (379, 15906), (387, 15930), (432, 16056), (437, 16071), (439, 16077), (452, 16113), (453, 16116), (457, 16128), (458, 16134), (469, 16182), (474, 16194), (475, 16200), (517, 16260), (520, 16272), (531, 16308), (533, 16320), (565, 16395), (568, 16404), (575, 16422), (578, 16428), (590, 16458), (639, 16563), (643, 16572), (645, 16575), (659, 16611), (680, 16689), (706, 16788), (713, 16809), (723, 16842), (734, 16872), (743, 16902), (746, 16911), (748, 16917), (757, 16932), (758, 16935), (765, 16959), (782, 16989), (790, 17001), (797, 17031), (808, 17073),

Gene: Bobquesha_25 Start: 18364, Stop: 20154, Start Num: 117

Candidate Starts for Bobquesha_25:

(Start: 95 @18328 has 1 MA's), (Start: 111 @18358 has 26 MA's), (Start: 117 @18364 has 41 MA's), (Start: 120 @18367 has 139 MA's), (177, 18424), (210, 18472), (Start: 232 @18511 has 2 MA's), (237, 18526), (245, 18544), (255, 18577), (265, 18607), (287, 18652), (295, 18670), (315, 18742), (317, 18748), (330, 18778), (332, 18781), (353, 18844), (358, 18856), (407, 18991), (437, 19039), (439, 19045), (446, 19063), (456, 19093), (467, 19132), (517, 19258), (533, 19318), (534, 19321), (546, 19354), (604, 19522), (622, 19576), (635, 19621), (655, 19666), (666, 19690), (676, 19723), (685, 19756), (688, 19765), (704, 19828), (707, 19840), (723, 19891), (725, 19897), (764, 19999), (809, 20125), (817, 20146),

Gene: BobsGarage_18 Start: 16989, Stop: 18722, Start Num: 131

Candidate Starts for BobsGarage_18:

(Start: 131 @16989 has 77 MA's), (188, 17058), (261, 17199), (262, 17202), (285, 17247), (296, 17280), (299, 17289), (312, 17325), (334, 17379), (344, 17406), (347, 17418), (362, 17469), (365, 17475), (378, 17508), (451, 17661), (458, 17685), (460, 17694), (472, 17739), (476, 17754), (517, 17832), (553, 17952), (575, 18015), (601, 18087), (614, 18123), (670, 18243), (672, 18249), (675,

18261), (691, 18324), (715, 18411), (723, 18438), (748, 18507), (754, 18522), (757, 18534), (764, 18558), (794, 18636),

Gene: Bock_22 Start: 17353, Stop: 19059, Start Num: 172

Candidate Starts for Bock_22:

(Start: 106 @17278 has 2 MA's), (Start: 172 @17353 has 16 MA's), (Start: 232 @17446 has 2 MA's), (237, 17461), (239, 17467), (264, 17542), (296, 17614), (332, 17725), (348, 17770), (353, 17788), (358, 17800), (404, 17920), (437, 17971), (440, 17980), (443, 17986), (454, 18019), (470, 18082), (483, 18133), (504, 18157), (516, 18181), (537, 18256), (551, 18295), (602, 18427), (637, 18541), (676, 18628), (706, 18742), (709, 18751), (746, 18856), (783, 18943), (817, 19051),

Gene: BodEinwohner17_16 Start: 14976, Stop: 16685, Start Num: 129

Candidate Starts for BodEinwohner17_16:

(Start: 129 @14976 has 207 MA's), (205, 15063), (Start: 232 @15108 has 2 MA's), (242, 15132), (279, 15237), (287, 15243), (294, 15261), (309, 15291), (347, 15396), (367, 15456), (376, 15477), (379, 15486), (387, 15510), (432, 15636), (437, 15651), (439, 15657), (452, 15693), (453, 15696), (457, 15708), (458, 15714), (469, 15762), (474, 15774), (475, 15780), (517, 15840), (520, 15852), (531, 15888), (533, 15900), (565, 15975), (568, 15984), (575, 16002), (578, 16008), (590, 16038), (639, 16143), (645, 16155), (659, 16191), (680, 16269), (706, 16368), (713, 16389), (723, 16422), (734, 16452), (743, 16482), (746, 16491), (748, 16497), (757, 16512), (758, 16515), (764, 16536), (765, 16539), (790, 16581), (797, 16611), (808, 16653),

Gene: Bogie_18 Start: 16084, Stop: 17844, Start Num: 106

Candidate Starts for Bogie_18:

(Start: 106 @16084 has 2 MA's), (Start: 125 @16108 has 46 MA's), (175, 16168), (189, 16189), (190, 16192), (253, 16312), (265, 16351), (280, 16384), (295, 16408), (342, 16528), (353, 16567), (355, 16573), (385, 16657), (387, 16663), (390, 16675), (396, 16699), (403, 16726), (409, 16744), (429, 16783), (432, 16789), (440, 16813), (458, 16867), (461, 16879), (464, 16888), (479, 16948), (522, 17026), (533, 17065), (545, 17098), (568, 17164), (574, 17179), (578, 17188), (587, 17212), (597, 17242), (602, 17254), (656, 17356), (662, 17368), (663, 17371), (664, 17377), (665, 17386), (696, 17494), (719, 17578), (752, 17677), (800, 17785), (813, 17833),

Gene: Boiiii_23 Start: 17190, Stop: 18956, Start Num: 120

Candidate Starts for Boiiii_23:

(Start: 120 @17190 has 139 MA's), (Start: 148 @17220 has 2 MA's), (245, 17379), (255, 17412), (265, 17442), (280, 17475), (287, 17487), (315, 17577), (333, 17619), (358, 17691), (360, 17700), (376, 17739), (390, 17784), (397, 17805), (398, 17808), (433, 17862), (439, 17880), (454, 17922), (456, 17928), (463, 17955), (517, 18093), (521, 18111), (533, 18153), (540, 18171), (551, 18201), (564, 18228), (604, 18333), (666, 18492), (677, 18528), (685, 18558), (688, 18567), (707, 18642), (723, 18693), (800, 18888), (809, 18927), (810, 18930), (817, 18948),

Gene: Boilgate_20 Start: 17568, Stop: 19349, Start Num: 120

Candidate Starts for Boilgate_20:

(Start: 111 @17559 has 26 MA's), (Start: 117 @17565 has 41 MA's), (Start: 120 @17568 has 139 MA's), (Start: 184 @17631 has 1 MA's), (210, 17667), (237, 17721), (255, 17772), (265, 17802), (314, 17931), (315, 17937), (317, 17943), (330, 17973), (353, 18039), (358, 18051), (433, 18222), (439, 18240), (456, 18288), (463, 18315), (467, 18327), (472, 18351), (517, 18453), (518, 18456), (533, 18513), (541, 18534), (546, 18549), (560, 18588), (583, 18657), (604, 18717), (637, 18825), (655, 18861), (666, 18885), (685, 18951), (688, 18960), (704, 19023), (707, 19035), (725, 19092), (742, 19134), (757, 19170), (797, 19272), (809, 19320), (817, 19341),

Gene: Bombitas_33 Start: 26624, Stop: 28357, Start Num: 131

Candidate Starts for Bombitas_33:

(Start: 131 @26624 has 77 MA's), (Start: 203 @26714 has 47 MA's), (229, 26762), (242, 26792), (251, 26819), (295, 26921), (310, 26951), (345, 27050), (355, 27086), (357, 27092), (365, 27113), (390, 27185), (393, 27194), (398, 27215), (425, 27284), (439, 27323), (440, 27326), (446, 27341), (458, 27380), (469, 27428), (474, 27440), (475, 27446), (506, 27494), (511, 27503), (518, 27524), (522, 27542), (536, 27590), (575, 27692), (597, 27752), (602, 27764), (650, 27848), (655, 27860), (656, 27866), (662, 27878), (663, 27881), (673, 27920), (678, 27938), (688, 27974), (689, 27980), (713, 28067), (742, 28157), (761, 28199), (767, 28217), (783, 28247), (798, 28289), (813, 28343),

Gene: Bongo_28 Start: 22368, Stop: 24104, Start Num: 114

Candidate Starts for Bongo_28:

(51, 22146), (Start: 86 @22326 has 4 MA's), (Start: 93 @22341 has 2 MA's), (Start: 114 @22368 has 15 MA's), (132, 22383), (Start: 167 @22422 has 53 MA's), (188, 22452), (191, 22458), (201, 22470), (257, 22575), (261, 22590), (280, 22629), (327, 22752), (331, 22761), (362, 22857), (379, 22899), (380, 22902), (458, 23079), (496, 23190), (517, 23217), (536, 23289), (539, 23298), (540, 23301), (544, 23313), (586, 23433), (587, 23436), (601, 23478), (612, 23508), (614, 23514), (670, 23634), (672, 23640), (785, 23994), (794, 24021), (800, 24039), (802, 24048),

Gene: Bonum_44 Start: 30146, Stop: 31762, Start Num: 178

Candidate Starts for Bonum_44:

(Start: 178 @30146 has 37 MA's), (245, 30260), (273, 30344), (346, 30527), (369, 30593), (375, 30608), (383, 30632), (413, 30719), (438, 30749), (439, 30752), (458, 30809), (477, 30881), (531, 30986), (567, 31073), (586, 31121), (627, 31247), (637, 31283), (692, 31394), (713, 31469), (782, 31646), (797, 31688), (813, 31745),

Gene: Boomer_17 Start: 14621, Stop: 16330, Start Num: 129

Candidate Starts for Boomer_17:

(Start: 129 @14621 has 207 MA's), (205, 14708), (Start: 232 @14753 has 2 MA's), (242, 14777), (258, 14834), (279, 14882), (287, 14888), (294, 14906), (309, 14936), (347, 15041), (364, 15095), (367, 15101), (371, 15110), (376, 15122), (379, 15131), (387, 15155), (396, 15191), (398, 15197), (401, 15209), (406, 15230), (407, 15233), (411, 15242), (424, 15257), (425, 15263), (432, 15281), (437, 15296), (439, 15302), (446, 15320), (447, 15323), (452, 15338), (457, 15353), (458, 15359), (467, 15389), (469, 15407), (474, 15419), (475, 15425), (517, 15485), (520, 15497), (531, 15533), (533, 15545), (541, 15566), (565, 15620), (568, 15629), (578, 15653), (590, 15683), (639, 15788), (645, 15800), (659, 15836), (671, 15875), (680, 15914), (706, 16013), (713, 16034), (723, 16067), (734, 16097), (743, 16127), (746, 16136), (748, 16142), (757, 16157), (758, 16160), (764, 16181), (765, 16184), (790, 16226), (797, 16256), (808, 16298),

Gene: Boopy_101 Start: 60032, Stop: 61660, Start Num: 158

Candidate Starts for Boopy_101:

(Start: 158 @60032 has 4 MA's), (Start: 171 @60047 has 46 MA's), (176, 60050), (194, 60077), (Start: 232 @60134 has 2 MA's), (246, 60170), (256, 60203), (266, 60233), (268, 60236), (300, 60305), (307, 60311), (362, 60476), (379, 60518), (382, 60527), (385, 60536), (388, 60548), (451, 60668), (517, 60821), (533, 60881), (589, 61028), (597, 61049), (602, 61064), (627, 61142), (629, 61148), (685, 61265), (689, 61280), (704, 61337), (713, 61367), (723, 61400), (766, 61520), (813, 61649),

Gene: BoostSeason_19 Start: 15039, Stop: 16808, Start Num: 117

Candidate Starts for BoostSeason_19:

(Start: 95 @15003 has 1 MA's), (Start: 111 @15033 has 26 MA's), (Start: 117 @15039 has 41 MA's), (Start: 142 @15054 has 43 MA's), (177, 15096), (210, 15144), (Start: 232 @15183 has 2 MA's), (237, 15198), (255, 15249), (265, 15279), (280, 15312), (287, 15324), (295, 15342), (315, 15414), (317, 15420), (353, 15516), (358, 15528), (391, 15624), (439, 15717), (454, 15759), (456, 15765), (467, 15804), (472, 15828), (475, 15840), (517, 15930), (519, 15939), (534, 15993), (545, 16023), (586, 16134), (604, 16185), (637, 16293), (685, 16407), (688, 16416), (707, 16491), (723, 16542), (725,

16548), (761, 16644), (789, 16698), (809, 16779), (817, 16800),

Gene: Bora_54 Start: 33145, Stop: 34881, Start Num: 109

Candidate Starts for Bora_54:

(Start: 104 @33136 has 2 MA's), (Start: 109 @33145 has 26 MA's), (Start: 184 @33235 has 1 MA's), (248, 33352), (258, 33388), (266, 33409), (279, 33436), (287, 33442), (298, 33472), (311, 33496), (329, 33547), (379, 33685), (381, 33691), (395, 33742), (396, 33745), (401, 33763), (432, 33814), (439, 33835), (440, 33838), (457, 33886), (458, 33892), (469, 33940), (472, 33946), (474, 33952), (507, 34012), (517, 34036), (518, 34039), (531, 34084), (534, 34099), (537, 34108), (541, 34117), (557, 34162), (568, 34180), (582, 34213), (645, 34351), (654, 34372), (674, 34438), (681, 34468), (696, 34522), (706, 34564), (713, 34585), (719, 34606), (723, 34618), (730, 34639), (748, 34693), (786, 34771), (797, 34807), (803, 34828), (809, 34855),

Gene: Bosection6_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Bosection6_18:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249, 15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364, 15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406, 15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477, 15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589, 16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743, 16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: Bosnia_19 Start: 17764, Stop: 19362, Start Num: 167

Candidate Starts for Bosnia_19:

(Start: 167 @17764 has 53 MA's), (302, 18022), (309, 18040), (310, 18043), (327, 18097), (354, 18172), (380, 18241), (381, 18250), (385, 18262), (400, 18313), (406, 18340), (410, 18349), (411, 18352), (456, 18385), (469, 18442), (513, 18508), (553, 18619), (570, 18643), (584, 18679), (621, 18781), (637, 18838), (680, 18928), (750, 19168), (774, 19246),

Gene: BourbonZero_18 Start: 17371, Stop: 19134, Start Num: 98

Candidate Starts for BourbonZero_18:

(Start: 98 @17371 has 41 MA's), (Start: 120 @17398 has 139 MA's), (174, 17461), (Start: 207 @17509 has 1 MA's), (210, 17515), (239, 17551), (262, 17626), (299, 17713), (344, 17827), (347, 17839), (385, 17950), (455, 18094), (458, 18106), (463, 18124), (468, 18139), (543, 18328), (545, 18334), (563, 18391), (579, 18433), (583, 18442), (587, 18454), (613, 18529), (635, 18598), (638, 18610), (672, 18658), (689, 18724), (709, 18802), (723, 18847), (740, 18892), (744, 18904), (764, 18967), (777, 19003), (785, 19018), (794, 19048), (796, 19054), (800, 19066), (802, 19075), (805, 19087),

Gene: BoyNamedSue_19 Start: 17776, Stop: 19374, Start Num: 167

Candidate Starts for BoyNamedSue_19:

(Start: 167 @17776 has 53 MA's), (302, 18034), (309, 18052), (310, 18055), (327, 18109), (354, 18184), (380, 18253), (381, 18262), (385, 18274), (388, 18286), (400, 18325), (406, 18352), (410, 18361), (411, 18364), (456, 18397), (469, 18454), (513, 18520), (553, 18631), (584, 18691), (621, 18793), (637, 18850), (680, 18940), (750, 19180), (774, 19258),

Gene: Bradissa_20 Start: 17713, Stop: 19419, Start Num: 147

Candidate Starts for Bradissa_20:

(Start: 125 @17689 has 46 MA's), (Start: 147 @17713 has 24 MA's), (186, 17761), (224, 17818), (Start: 244 @17860 has 1 MA's), (313, 18049), (362, 18196), (365, 18202), (382, 18247), (451, 18385), (471, 18460), (586, 18742), (592, 18763), (620, 18838), (657, 18925), (672, 18961), (679, 18994), (681, 19000), (699, 19066), (707, 19096), (757, 19252), (759, 19258), (764, 19276), (806, 19387),

Gene: BrainDrainer_19 Start: 16711, Stop: 18474, Start Num: 98

Candidate Starts for BrainDrainer_19:

(Start: 98 @16711 has 41 MA's), (210, 16852), (261, 16960), (262, 16963), (343, 17161), (344, 17164), (347, 17176), (353, 17197), (390, 17305), (404, 17335), (458, 17443), (468, 17476), (469, 17491), (476, 17512), (543, 17668), (563, 17731), (579, 17773), (583, 17782), (587, 17794), (601, 17836), (614, 17872), (672, 17998), (679, 18031), (706, 18133), (709, 18142), (715, 18160), (723, 18187), (744, 18244), (757, 18283), (764, 18307), (777, 18343), (785, 18358), (794, 18388), (802, 18415), (805, 18427), (810, 18448),

Gene: Bran_17 Start: 16323, Stop: 18020, Start Num: 112

Candidate Starts for Bran_17:

(Start: 112 @16323 has 4 MA's), (130, 16344), (202, 16428), (217, 16455), (221, 16461), (286, 16593), (304, 16644), (313, 16677), (321, 16701), (365, 16821), (378, 16854), (384, 16872), (405, 16926), (442, 16971), (458, 17028), (461, 17040), (471, 17079), (510, 17139), (518, 17160), (520, 17169), (539, 17226), (572, 17316), (610, 17424), (627, 17478), (629, 17484), (634, 17502), (681, 17598), (688, 17619), (699, 17664), (750, 17823), (753, 17838), (758, 17853), (761, 17865), (813, 18009),

Gene: Braxoaddie_45 Start: 31342, Stop: 32916, Start Num: 187

Candidate Starts for Braxoaddie_45:

(Start: 187 @31342 has 8 MA's), (193, 31351), (230, 31405), (Start: 244 @31429 has 1 MA's), (245, 31432), (347, 31702), (369, 31765), (375, 31780), (435, 31897), (439, 31912), (458, 31969), (460, 31978), (471, 32020), (477, 32041), (495, 32071), (526, 32128), (553, 32203), (592, 32299), (627, 32404), (628, 32407), (636, 32434), (681, 32512), (692, 32551), (742, 32707), (766, 32773),

Gene: Breezona_18 Start: 16989, Stop: 18722, Start Num: 131

Candidate Starts for Breezona_18:

(Start: 131 @16989 has 77 MA's), (188, 17058), (261, 17199), (262, 17202), (285, 17247), (296, 17280), (299, 17289), (312, 17325), (334, 17379), (344, 17406), (347, 17418), (362, 17469), (365, 17475), (378, 17508), (451, 17661), (458, 17685), (460, 17694), (472, 17739), (476, 17754), (517, 17832), (553, 17952), (575, 18015), (601, 18087), (614, 18123), (670, 18243), (672, 18249), (675, 18261), (691, 18324), (715, 18411), (723, 18438), (748, 18507), (754, 18522), (757, 18534), (764, 18558), (794, 18636),

Gene: Bricole_28 Start: 22354, Stop: 24090, Start Num: 114

Candidate Starts for Bricole_28:

(51, 22132), (Start: 86 @22312 has 4 MA's), (Start: 93 @22327 has 2 MA's), (Start: 114 @22354 has 15 MA's), (132, 22369), (Start: 167 @22408 has 53 MA's), (188, 22438), (191, 22444), (201, 22456), (257, 22561), (261, 22576), (280, 22615), (327, 22738), (331, 22747), (362, 22843), (379, 22885), (380, 22888), (384, 22900), (458, 23065), (496, 23176), (517, 23203), (536, 23275), (539, 23284), (540, 23287), (544, 23299), (586, 23419), (587, 23422), (601, 23464), (612, 23494), (614, 23500), (670, 23620), (672, 23626), (785, 23980), (794, 24007), (800, 24025), (802, 24034),

Gene: BritBrat_20 Start: 17542, Stop: 19272, Start Num: 125

Candidate Starts for BritBrat_20:

(Start: 125 @17542 has 46 MA's), (Start: 147 @17566 has 24 MA's), (224, 17671), (Start: 244 @17713 has 1 MA's), (271, 17788), (313, 17902), (362, 18049), (365, 18055), (382, 18100), (451, 18238), (471, 18313), (586, 18595), (592, 18616), (620, 18691), (657, 18778), (672, 18814), (679, 18847), (681, 18853), (699, 18919), (707, 18949), (757, 19105), (759, 19111), (764, 19129), (806, 19240),

Gene: Brocalys_16 Start: 14792, Stop: 16501, Start Num: 129

Candidate Starts for Brocalys_16:

(Start: 129 @14792 has 207 MA's), (205, 14879), (Start: 232 @14924 has 2 MA's), (242, 14948), (279, 15053), (287, 15059), (294, 15077), (309, 15107), (347, 15212), (367, 15272), (376, 15293), (379,

15302), (387, 15326), (432, 15452), (437, 15467), (439, 15473), (452, 15509), (453, 15512), (457, 15524), (458, 15530), (469, 15578), (474, 15590), (475, 15596), (517, 15656), (520, 15668), (531, 15704), (533, 15716), (565, 15791), (568, 15800), (575, 15818), (578, 15824), (590, 15854), (639, 15959), (643, 15968), (645, 15971), (659, 16007), (680, 16085), (706, 16184), (713, 16205), (723, 16238), (734, 16268), (743, 16298), (746, 16307), (748, 16313), (757, 16328), (758, 16331), (765, 16355), (782, 16385), (790, 16397), (797, 16427), (808, 16469),

Gene: Bromden_19 Start: 17040, Stop: 18803, Start Num: 98

Candidate Starts for Bromden_19:

(Start: 98 @17040 has 41 MA's), (210, 17181), (237, 17211), (261, 17289), (262, 17292), (343, 17490), (344, 17493), (347, 17505), (390, 17634), (404, 17664), (412, 17685), (458, 17772), (460, 17781), (469, 17820), (476, 17841), (543, 17997), (563, 18060), (579, 18102), (583, 18111), (587, 18123), (614, 18201), (672, 18327), (679, 18360), (706, 18462), (709, 18471), (715, 18489), (723, 18516), (744, 18573), (764, 18636), (777, 18672), (785, 18687), (794, 18717), (802, 18744), (805, 18756), (810, 18777),

Gene: Brookers_17 Start: 14663, Stop: 16372, Start Num: 129

Candidate Starts for Brookers_17:

(Start: 129 @14663 has 207 MA's), (205, 14750), (Start: 232 @14795 has 2 MA's), (242, 14819), (279, 14924), (287, 14930), (294, 14948), (309, 14978), (347, 15083), (367, 15143), (376, 15164), (379, 15173), (387, 15197), (406, 15272), (407, 15275), (432, 15323), (437, 15338), (439, 15344), (452, 15380), (453, 15383), (457, 15395), (458, 15401), (469, 15449), (474, 15461), (475, 15467), (517, 15527), (520, 15539), (531, 15575), (533, 15587), (565, 15662), (568, 15671), (575, 15689), (578, 15695), (590, 15725), (639, 15830), (643, 15839), (645, 15842), (659, 15878), (680, 15956), (706, 16055), (713, 16076), (723, 16109), (734, 16139), (743, 16169), (746, 16178), (748, 16184), (757, 16199), (758, 16202), (765, 16226), (782, 16256), (790, 16268), (797, 16298), (808, 16340),

Gene: BruceB_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for BruceB_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Bruin_24 Start: 19853, Stop: 21448, Start Num: 203

Candidate Starts for Bruin_24:

(Start: 137 @19769 has 79 MA's), (Start: 203 @19853 has 47 MA's), (Start: 244 @19931 has 1 MA's), (274, 20018), (287, 20033), (309, 20081), (321, 20120), (353, 20207), (365, 20240), (379, 20276), (388, 20306), (390, 20312), (409, 20381), (435, 20411), (438, 20423), (439, 20426), (458, 20483), (518, 20615), (519, 20621), (538, 20687), (541, 20693), (549, 20717), (568, 20765), (578, 20789), (582, 20798), (606, 20873), (643, 20924), (650, 20939), (698, 21101), (704, 21128), (713, 21158), (747, 21263), (786, 21341), (797, 21377), (800, 21386), (808, 21419), (813, 21434),

Gene: Brujita_19 Start: 16495, Stop: 18228, Start Num: 139

Candidate Starts for Brujita_19:

(Start: 139 @16495 has 6 MA's), (218, 16594), (223, 16603), (249, 16669), (256, 16693), (280, 16753), (287, 16756), (297, 16783), (364, 16963), (375, 16987), (379, 16999), (387, 17023), (432, 17149), (437, 17164), (440, 17173), (453, 17209), (458, 17227), (474, 17287), (533, 17413), (557, 17479), (565, 17488), (568, 17497), (578, 17521), (643, 17665), (662, 17710), (689, 17812), (691, 17821), (696, 17839), (697, 17842), (743, 18001), (749, 18019), (757, 18055), (761, 18070), (786, 18118), (806, 18187),

Gene: Brusacoram_19 Start: 16385, Stop: 18121, Start Num: 125

Candidate Starts for Brusacoram_19:

(Start: 106 @16361 has 2 MA's), (Start: 125 @16385 has 46 MA's), (175, 16445), (189, 16466), (190, 16469), (253, 16589), (265, 16628), (280, 16661), (295, 16685), (342, 16805), (353, 16844), (355, 16850), (385, 16934), (387, 16940), (390, 16952), (396, 16976), (403, 17003), (409, 17021), (429, 17060), (432, 17066), (440, 17090), (458, 17144), (461, 17156), (464, 17165), (479, 17225), (522, 17303), (533, 17342), (545, 17375), (568, 17441), (574, 17456), (578, 17465), (587, 17489), (597, 17519), (602, 17531), (656, 17633), (662, 17645), (663, 17648), (664, 17654), (665, 17663), (696, 17771), (719, 17855), (752, 17954), (800, 18062), (813, 18110),

Gene: Brushbloom_18 Start: 14687, Stop: 16396, Start Num: 129

Candidate Starts for Brushbloom_18:

(Start: 129 @14687 has 207 MA's), (205, 14774), (Start: 232 @14819 has 2 MA's), (242, 14843), (279, 14948), (287, 14954), (294, 14972), (309, 15002), (347, 15107), (367, 15167), (376, 15188), (379, 15197), (387, 15221), (432, 15347), (437, 15362), (439, 15368), (452, 15404), (453, 15407), (457, 15419), (458, 15425), (469, 15473), (474, 15485), (475, 15491), (517, 15551), (520, 15563), (531, 15599), (533, 15611), (565, 15686), (568, 15695), (575, 15713), (578, 15719), (590, 15749), (639, 15854), (643, 15863), (645, 15866), (659, 15902), (680, 15980), (706, 16079), (713, 16100), (723, 16133), (734, 16163), (743, 16193), (746, 16202), (748, 16208), (757, 16223), (758, 16226), (765, 16250), (782, 16280), (790, 16292), (797, 16322), (808, 16364),

Gene: BrutonGaster_36 Start: 25954, Stop: 27642, Start Num: 152

Candidate Starts for BrutonGaster_36:

(Start: 152 @25954 has 16 MA's), (193, 26014), (200, 26023), (214, 26047), (260, 26164), (262, 26170), (295, 26236), (313, 26284), (346, 26371), (348, 26377), (363, 26425), (365, 26428), (381, 26470), (437, 26575), (458, 26638), (459, 26644), (467, 26668), (533, 26830), (562, 26920), (602, 27028), (605, 27046), (622, 27088), (646, 27133), (648, 27139), (678, 27199), (704, 27298), (707, 27310), (710, 27319), (786, 27511), (798, 27550), (807, 27586), (818, 27634),

Gene: Bryler_22 Start: 16350, Stop: 18116, Start Num: 120

Candidate Starts for Bryler_22:

(Start: 111 @16341 has 26 MA's), (Start: 120 @16350 has 139 MA's), (Start: 148 @16380 has 2 MA's), (Start: 232 @16506 has 2 MA's), (237, 16521), (245, 16539), (255, 16572), (265, 16602), (287, 16647), (315, 16737), (330, 16773), (358, 16851), (360, 16860), (390, 16944), (393, 16953), (397, 16965), (398, 16968), (407, 16986), (417, 17007), (433, 17022), (437, 17034), (439, 17040), (454, 17082), (456, 17088), (521, 17271), (540, 17331), (575, 17415), (583, 17433), (604, 17493), (628, 17568), (635, 17592), (666, 17652), (676, 17685), (677, 17688), (681, 17706), (688, 17727), (707, 17802), (723, 17853), (725, 17859), (733, 17880), (761, 17952), (786, 18003), (809, 18087), (810, 18090), (817, 18108),

Gene: Brylie_22 Start: 17344, Stop: 19050, Start Num: 172

Candidate Starts for Brylie_22:

(Start: 106 @17269 has 2 MA's), (Start: 172 @17344 has 16 MA's), (Start: 232 @17437 has 2 MA's), (237, 17452), (239, 17458), (264, 17533), (296, 17605), (332, 17716), (348, 17761), (353, 17779), (358, 17791), (437, 17962), (440, 17971), (443, 17977), (454, 18010), (470, 18073), (483, 18124), (504, 18148), (516, 18172), (537, 18247), (551, 18286), (602, 18418), (637, 18532), (676, 18619), (706, 18733), (709, 18742), (746, 18847), (783, 18934), (817, 19042),

Gene: Bubbles123_17 Start: 15521, Stop: 17230, Start Num: 129

Candidate Starts for Bubbles123_17:

(Start: 129 @15521 has 207 MA's), (205, 15608), (Start: 232 @15653 has 2 MA's), (242, 15677), (279, 15782), (287, 15788), (294, 15806), (309, 15836), (347, 15941), (367, 16001), (376, 16022), (379,

16031), (387, 16055), (432, 16181), (437, 16196), (439, 16202), (452, 16238), (453, 16241), (457, 16253), (458, 16259), (469, 16307), (474, 16319), (475, 16325), (517, 16385), (520, 16397), (531, 16433), (533, 16445), (565, 16520), (568, 16529), (575, 16547), (578, 16553), (590, 16583), (639, 16688), (643, 16697), (645, 16700), (659, 16736), (680, 16814), (706, 16913), (713, 16934), (723, 16967), (734, 16997), (743, 17027), (746, 17036), (748, 17042), (757, 17057), (758, 17060), (765, 17084), (782, 17114), (790, 17126), (797, 17156), (808, 17198),

Gene: Buck_23 Start: 19702, Stop: 21381, Start Num: 137

Candidate Starts for Buck_23:

(Start: 137 @19702 has 79 MA's), (Start: 203 @19786 has 47 MA's), (Start: 244 @19864 has 1 MA's), (274, 19951), (287, 19966), (309, 20014), (321, 20053), (353, 20140), (365, 20173), (379, 20209), (388, 20239), (390, 20245), (409, 20314), (435, 20344), (438, 20356), (439, 20359), (458, 20416), (518, 20548), (519, 20554), (538, 20620), (541, 20626), (549, 20650), (568, 20698), (578, 20722), (582, 20731), (606, 20806), (643, 20857), (650, 20872), (698, 21034), (704, 21061), (713, 21091), (747, 21196), (786, 21274), (797, 21310), (800, 21319), (808, 21352), (813, 21367),

Gene: Buggaboo_42 Start: 30625, Stop: 32241, Start Num: 178

Candidate Starts for Buggaboo_42:

(Start: 178 @30625 has 37 MA's), (Start: 187 @30637 has 8 MA's), (245, 30739), (273, 30823), (346, 31006), (369, 31072), (375, 31087), (383, 31111), (413, 31198), (438, 31228), (439, 31231), (458, 31288), (477, 31360), (531, 31465), (567, 31552), (586, 31600), (627, 31726), (637, 31762), (692, 31873), (713, 31948), (782, 32125), (797, 32167), (813, 32224),

Gene: BugsBunny_22 Start: 19419, Stop: 21014, Start Num: 203

Candidate Starts for BugsBunny_22:

(Start: 137 @19335 has 79 MA's), (Start: 203 @19419 has 47 MA's), (Start: 244 @19497 has 1 MA's), (274, 19584), (287, 19599), (309, 19647), (321, 19686), (353, 19773), (365, 19806), (379, 19842), (388, 19872), (390, 19878), (409, 19947), (435, 19977), (438, 19989), (439, 19992), (458, 20049), (518, 20181), (519, 20187), (538, 20253), (541, 20259), (549, 20283), (568, 20331), (578, 20355), (582, 20364), (606, 20439), (643, 20490), (650, 20505), (698, 20667), (704, 20694), (713, 20724), (747, 20829), (786, 20907), (797, 20943), (800, 20952), (808, 20985), (813, 21000),

Gene: Bunnies_19 Start: 16407, Stop: 18143, Start Num: 125

Candidate Starts for Bunnies_19:

(Start: 106 @16383 has 2 MA's), (Start: 125 @16407 has 46 MA's), (175, 16467), (189, 16488), (190, 16491), (253, 16611), (265, 16650), (280, 16683), (295, 16707), (342, 16827), (353, 16866), (355, 16872), (385, 16956), (387, 16962), (390, 16974), (396, 16998), (403, 17025), (409, 17043), (429, 17082), (432, 17088), (440, 17112), (458, 17166), (461, 17178), (464, 17187), (479, 17247), (522, 17325), (533, 17364), (545, 17397), (568, 17463), (574, 17478), (578, 17487), (587, 17511), (597, 17541), (602, 17553), (656, 17655), (662, 17667), (663, 17670), (664, 17676), (665, 17685), (696, 17793), (719, 17877), (752, 17976), (800, 18084), (813, 18132),

Gene: Bunnybear_18 Start: 17781, Stop: 19379, Start Num: 167

Candidate Starts for Bunnybear_18:

(57, 17559), (58, 17580), (63, 17610), (83, 17664), (Start: 167 @17781 has 53 MA's), (302, 18039), (309, 18057), (310, 18060), (327, 18114), (344, 18153), (354, 18189), (380, 18258), (381, 18267), (400, 18330), (406, 18357), (410, 18366), (411, 18369), (456, 18402), (469, 18459), (472, 18465), (513, 18525), (542, 18603), (550, 18627), (553, 18636), (570, 18660), (584, 18696), (621, 18798), (637, 18855), (666, 18894), (668, 18900), (671, 18906), (680, 18945), (710, 19062), (750, 19185), (774, 19263),

Gene: Burnsey_18 Start: 15730, Stop: 17430, Start Num: 150

Candidate Starts for Burnsey_18:

(Start: 125 @15703 has 46 MA's), (Start: 150 @15730 has 7 MA's), (Start: 154 @15733 has 33 MA's), (265, 15943), (313, 16066), (334, 16117), (362, 16204), (366, 16213), (375, 16234), (380, 16249), (384, 16261), (432, 16339), (436, 16351), (446, 16378), (454, 16411), (463, 16444), (467, 16456), (477, 16498), (535, 16621), (558, 16693), (587, 16771), (591, 16786), (599, 16804), (620, 16861), (666, 16954), (677, 16990), (679, 17002), (681, 17008), (685, 17020), (688, 17029), (706, 17101), (707, 17104), (709, 17110), (713, 17122), (731, 17182), (748, 17227), (751, 17236), (759, 17269), (790, 17335),

Gene: Burwell21_16 Start: 14811, Stop: 16520, Start Num: 129

Candidate Starts for Burwell21_16:

(Start: 129 @14811 has 207 MA's), (205, 14898), (Start: 232 @14943 has 2 MA's), (242, 14967), (279, 15072), (287, 15078), (294, 15096), (309, 15126), (347, 15231), (364, 15285), (367, 15291), (371, 15300), (379, 15321), (387, 15345), (396, 15381), (398, 15387), (406, 15420), (407, 15423), (411, 15432), (424, 15447), (425, 15453), (432, 15471), (437, 15486), (439, 15492), (446, 15510), (447, 15513), (452, 15528), (457, 15543), (458, 15549), (469, 15597), (474, 15609), (475, 15615), (517, 15675), (520, 15687), (531, 15723), (533, 15735), (565, 15810), (568, 15819), (575, 15837), (578, 15843), (590, 15873), (639, 15978), (645, 15990), (659, 16026), (680, 16104), (713, 16224), (723, 16257), (734, 16287), (737, 16299), (743, 16317), (745, 16323), (746, 16326), (748, 16332), (757, 16347), (758, 16350), (764, 16371), (765, 16374), (790, 16416), (797, 16446), (808, 16488), (809, 16494),

Gene: Butters_18 Start: 14956, Stop: 16665, Start Num: 134

Candidate Starts for Butters_18:

(Start: 134 @14956 has 43 MA's), (161, 14983), (Start: 232 @15088 has 2 MA's), (236, 15100), (249, 15136), (265, 15187), (274, 15208), (279, 15217), (287, 15223), (295, 15244), (299, 15256), (364, 15430), (367, 15436), (375, 15454), (379, 15466), (380, 15469), (387, 15490), (406, 15565), (424, 15592), (432, 15616), (433, 15619), (437, 15631), (452, 15673), (457, 15688), (458, 15694), (460, 15703), (469, 15742), (493, 15796), (517, 15820), (533, 15880), (557, 15946), (565, 15955), (568, 15964), (589, 16015), (590, 16018), (639, 16123), (659, 16171), (678, 16237), (697, 16309), (743, 16462), (746, 16471), (757, 16492), (761, 16507), (765, 16519), (786, 16555), (790, 16561),

Gene: Buttrmlkdreams_18 Start: 15362, Stop: 17059, Start Num: 154

Candidate Starts for Buttrmlkdreams_18:

(Start: 125 @15332 has 46 MA's), (Start: 150 @15359 has 7 MA's), (Start: 154 @15362 has 33 MA's), (265, 15572), (331, 15740), (334, 15746), (353, 15806), (372, 15854), (375, 15863), (384, 15890), (393, 15920), (398, 15935), (432, 15968), (436, 15980), (448, 16016), (463, 16073), (467, 16085), (520, 16205), (527, 16226), (535, 16250), (587, 16400), (591, 16415), (599, 16433), (620, 16490), (677, 16619), (679, 16631), (685, 16649), (688, 16658), (706, 16730), (707, 16733), (709, 16739), (713, 16751), (748, 16856), (751, 16865), (759, 16898),

Gene: BuzzLyseyear_18 Start: 15198, Stop: 16907, Start Num: 129

Candidate Starts for BuzzLyseyear_18:

(Start: 129 @15198 has 207 MA's), (205, 15285), (Start: 232 @15330 has 2 MA's), (242, 15354), (279, 15459), (287, 15465), (294, 15483), (309, 15513), (347, 15618), (367, 15678), (376, 15699), (379, 15708), (387, 15732), (432, 15858), (437, 15873), (439, 15879), (446, 15897), (447, 15900), (452, 15915), (457, 15930), (458, 15936), (469, 15984), (474, 15996), (475, 16002), (517, 16062), (520, 16074), (531, 16110), (533, 16122), (565, 16197), (568, 16206), (575, 16224), (578, 16230), (590, 16260), (639, 16365), (645, 16377), (659, 16413), (680, 16491), (713, 16611), (723, 16644), (734, 16674), (737, 16686), (743, 16704), (745, 16710), (746, 16713), (748, 16719), (757, 16734), (758, 16737), (764, 16758), (765, 16761), (790, 16803), (797, 16833), (808, 16875), (809, 16881),

Gene: ByChance_16 Start: 14817, Stop: 16526, Start Num: 129

Candidate Starts for ByChance_16:

(Start: 129 @14817 has 207 MA's), (205, 14904), (Start: 232 @14949 has 2 MA's), (242, 14973), (279, 15078), (287, 15084), (294, 15102), (309, 15132), (347, 15237), (367, 15297), (376, 15318), (379, 15327), (387, 15351), (406, 15426), (407, 15429), (432, 15477), (437, 15492), (439, 15498), (452, 15534), (457, 15549), (458, 15555), (469, 15603), (474, 15615), (475, 15621), (517, 15681), (520, 15693), (531, 15729), (533, 15741), (565, 15816), (568, 15825), (575, 15843), (578, 15849), (590, 15879), (639, 15984), (645, 15996), (659, 16032), (680, 16110), (713, 16230), (723, 16263), (734, 16293), (743, 16323), (746, 16332), (748, 16338), (757, 16353), (758, 16356), (765, 16380), (782, 16410), (790, 16422), (797, 16452), (808, 16494),

Gene: Byougenkin_16 Start: 14826, Stop: 16535, Start Num: 129

Candidate Starts for Byougenkin_16:

(Start: 129 @14826 has 207 MA's), (205, 14913), (Start: 232 @14958 has 2 MA's), (242, 14982), (279, 15087), (287, 15093), (294, 15111), (309, 15141), (347, 15246), (367, 15306), (376, 15327), (379, 15336), (385, 15354), (387, 15360), (432, 15486), (437, 15501), (439, 15507), (452, 15543), (453, 15546), (457, 15558), (458, 15564), (469, 15612), (474, 15624), (475, 15630), (517, 15690), (520, 15702), (531, 15738), (533, 15750), (565, 15825), (568, 15834), (575, 15852), (578, 15858), (590, 15888), (639, 15993), (643, 16002), (645, 16005), (659, 16041), (678, 16107), (680, 16119), (706, 16218), (713, 16239), (723, 16272), (734, 16302), (743, 16332), (746, 16341), (748, 16347), (757, 16362), (758, 16365), (765, 16389), (790, 16431), (797, 16461), (808, 16503), (809, 16509),

Gene: C3PO_31 Start: 28482, Stop: 30080, Start Num: 183

Candidate Starts for C3PO_31:

(Start: 183 @28482 has 8 MA's), (247, 28581), (270, 28650), (289, 28689), (337, 28824), (355, 28884), (428, 29037), (435, 29049), (437, 29058), (438, 29061), (454, 29106), (458, 29121), (460, 29130), (463, 29139), (477, 29193), (482, 29211), (521, 29265), (602, 29481), (632, 29574), (686, 29682), (699, 29736), (722, 29811), (766, 29940), (812, 30066),

Gene: CLED96_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for CLED96_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: CREW_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for CREW_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Cabrinians_16 Start: 14807, Stop: 16516, Start Num: 129

Candidate Starts for Cabrinians_16:

(Start: 129 @14807 has 207 MA's), (205, 14894), (Start: 232 @14939 has 2 MA's), (242, 14963), (279, 15068), (287, 15074), (294, 15092), (309, 15122), (347, 15227), (367, 15287), (376, 15308), (379, 15317), (387, 15341), (406, 15416), (407, 15419), (432, 15467), (437, 15482), (439, 15488), (452, 15524), (453, 15527), (457, 15539), (458, 15545), (469, 15593), (474, 15605), (475, 15611), (517, 15671), (520, 15683), (531, 15719), (533, 15731), (565, 15806), (568, 15815), (575, 15833), (578, 15839), (590, 15869), (639, 15974), (645, 15986), (659, 16022), (680, 16100), (713, 16220), (723,

16253), (734, 16283), (743, 16313), (746, 16322), (748, 16328), (757, 16343), (758, 16346), (765, 16370), (782, 16400), (790, 16412), (797, 16442), (808, 16484),

Gene: Cactus_25 Start: 18958, Stop: 20637, Start Num: 137

Candidate Starts for Cactus_25:

(Start: 137 @18958 has 79 MA's), (Start: 203 @19042 has 47 MA's), (Start: 244 @19120 has 1 MA's), (274, 19207), (287, 19222), (309, 19270), (321, 19309), (353, 19396), (365, 19429), (379, 19465), (388, 19495), (390, 19501), (409, 19570), (435, 19600), (438, 19612), (439, 19615), (458, 19672), (518, 19804), (519, 19810), (538, 19876), (541, 19882), (549, 19906), (568, 19954), (578, 19978), (582, 19987), (606, 20062), (643, 20113), (650, 20128), (698, 20290), (704, 20317), (713, 20347), (747, 20452), (786, 20530), (797, 20566), (800, 20575), (808, 20608), (813, 20623),

Gene: CactusJack_19 Start: 16273, Stop: 18009, Start Num: 125

Candidate Starts for CactusJack_19:

(Start: 106 @16249 has 2 MA's), (Start: 125 @16273 has 46 MA's), (175, 16333), (189, 16354), (190, 16357), (253, 16477), (265, 16516), (280, 16549), (295, 16573), (342, 16693), (353, 16732), (355, 16738), (385, 16822), (387, 16828), (390, 16840), (396, 16864), (403, 16891), (409, 16909), (429, 16948), (432, 16954), (440, 16978), (458, 17032), (461, 17044), (464, 17053), (479, 17113), (522, 17191), (533, 17230), (545, 17263), (568, 17329), (578, 17353), (587, 17377), (597, 17407), (656, 17521), (662, 17533), (664, 17542), (665, 17551), (696, 17659), (719, 17743), (752, 17842), (800, 17950), (813, 17998),

Gene: Cain_22 Start: 16338, Stop: 18104, Start Num: 120

Candidate Starts for Cain_22:

(Start: 111 @16329 has 26 MA's), (Start: 120 @16338 has 139 MA's), (Start: 148 @16368 has 2 MA's), (Start: 232 @16494 has 2 MA's), (237, 16509), (245, 16527), (255, 16560), (265, 16590), (287, 16635), (315, 16725), (330, 16761), (358, 16839), (360, 16848), (390, 16932), (393, 16941), (397, 16953), (398, 16956), (407, 16974), (417, 16995), (433, 17010), (437, 17022), (439, 17028), (454, 17070), (456, 17076), (521, 17259), (540, 17319), (575, 17403), (583, 17421), (604, 17481), (628, 17556), (635, 17580), (666, 17640), (676, 17673), (677, 17676), (681, 17694), (688, 17715), (707, 17790), (723, 17841), (725, 17847), (733, 17868), (761, 17940), (786, 17991), (809, 18075), (810, 18078), (817, 18096),

Gene: CallaLilly_24 Start: 17111, Stop: 18877, Start Num: 120

Candidate Starts for CallaLilly_24:

(Start: 120 @17111 has 139 MA's), (Start: 148 @17141 has 2 MA's), (245, 17300), (255, 17333), (265, 17363), (280, 17396), (287, 17408), (315, 17498), (333, 17540), (358, 17612), (360, 17621), (376, 17660), (390, 17705), (397, 17726), (398, 17729), (433, 17783), (439, 17801), (454, 17843), (456, 17849), (463, 17876), (517, 18014), (521, 18032), (533, 18074), (540, 18092), (551, 18122), (564, 18149), (604, 18254), (666, 18413), (677, 18449), (685, 18479), (688, 18488), (707, 18563), (723, 18614), (800, 18809), (809, 18848), (810, 18851), (817, 18869),

Gene: Calm_18 Start: 16760, Stop: 18529, Start Num: 98

Candidate Starts for Calm_18:

(Start: 70 @16697 has 1 MA's), (80, 16718), (85, 16733), (Start: 98 @16760 has 41 MA's), (174, 16853), (Start: 207 @16901 has 1 MA's), (210, 16907), (236, 16934), (237, 16937), (239, 16943), (261, 17015), (266, 17024), (278, 17048), (285, 17063), (295, 17093), (344, 17219), (346, 17228), (352, 17249), (357, 17264), (382, 17333), (393, 17369), (404, 17390), (447, 17459), (458, 17498), (517, 17636), (520, 17648), (543, 17723), (545, 17729), (550, 17747), (563, 17786), (575, 17819), (579, 17828), (583, 17837), (586, 17846), (628, 17969), (638, 18005), (672, 18053), (675, 18065), (689, 18119), (715, 18215), (720, 18233), (722, 18239), (723, 18242), (736, 18275), (744, 18299), (764, 18362), (779, 18404), (794, 18443), (800, 18461), (805, 18482), (810, 18503),

Gene: Cambiare_19 Start: 17379, Stop: 19118, Start Num: 142

Candidate Starts for Cambiare_19:

(Start: 111 @17370 has 26 MA's), (Start: 142 @17379 has 43 MA's), (165, 17409), (210, 17472), (211, 17475), (222, 17493), (237, 17526), (254, 17574), (255, 17577), (313, 17733), (317, 17748), (351, 17838), (366, 17880), (393, 17958), (439, 18054), (446, 18072), (454, 18096), (456, 18102), (467, 18141), (475, 18177), (491, 18222), (517, 18267), (546, 18363), (549, 18372), (575, 18429), (604, 18507), (613, 18534), (624, 18570), (653, 18624), (676, 18687), (684, 18717), (713, 18822), (720, 18846), (736, 18885), (756, 18936), (810, 19092), (811, 19095),

Gene: Camri_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Camri_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Camster_19 Start: 16386, Stop: 18122, Start Num: 125

Candidate Starts for Camster_19:

(Start: 106 @16362 has 2 MA's), (Start: 125 @16386 has 46 MA's), (175, 16446), (189, 16467), (190, 16470), (253, 16590), (265, 16629), (280, 16662), (295, 16686), (342, 16806), (353, 16845), (355, 16851), (385, 16935), (387, 16941), (390, 16953), (396, 16977), (403, 17004), (409, 17022), (429, 17061), (432, 17067), (440, 17091), (458, 17145), (461, 17157), (464, 17166), (479, 17226), (522, 17304), (533, 17343), (545, 17376), (568, 17442), (574, 17457), (578, 17466), (587, 17490), (597, 17520), (602, 17532), (656, 17634), (662, 17646), (663, 17649), (664, 17655), (665, 17664), (696, 17772), (719, 17856), (752, 17955), (800, 18063), (813, 18111),

Gene: CanesSauce_18 Start: 15395, Stop: 17095, Start Num: 150

Candidate Starts for CanesSauce_18:

(Start: 150 @15395 has 7 MA's), (Start: 154 @15398 has 33 MA's), (226, 15500), (Start: 232 @15512 has 2 MA's), (265, 15608), (301, 15692), (334, 15782), (353, 15842), (362, 15869), (375, 15899), (376, 15902), (398, 15971), (432, 16004), (436, 16016), (437, 16019), (444, 16040), (446, 16043), (463, 16109), (467, 16121), (535, 16286), (587, 16436), (591, 16451), (599, 16469), (620, 16526), (679, 16667), (681, 16673), (685, 16685), (688, 16694), (706, 16766), (707, 16769), (709, 16775), (713, 16787), (748, 16892), (751, 16901), (759, 16934),

Gene: Caprice_47 Start: 26788, Stop: 28500, Start Num: 131

Candidate Starts for Caprice_47:

(90, 26725), (Start: 131 @26788 has 77 MA's), (196, 26869), (237, 26926), (262, 27007), (266, 27013), (291, 27070), (295, 27082), (299, 27094), (313, 27133), (317, 27148), (346, 27217), (362, 27271), (366, 27280), (443, 27436), (458, 27484), (460, 27493), (463, 27502), (473, 27541), (477, 27556), (517, 27619), (520, 27631), (556, 27748), (557, 27751), (575, 27802), (586, 27829), (587, 27832), (593, 27853), (607, 27895), (665, 28015), (672, 28033), (709, 28177), (723, 28222), (727, 28240), (756, 28324), (759, 28333), (764, 28351), (771, 28372), (794, 28417), (796, 28423), (800, 28435), (803, 28447), (808, 28468),

Gene: Capricorn_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Capricorn_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564,

18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: CaptainKirk2_19 Start: 16674, Stop: 18320, Start Num: 171

Candidate Starts for CaptainKirk2_19:

(143, 16638), (Start: 171 @16674 has 46 MA's), (237, 16776), (260, 16848), (262, 16854), (265, 16857), (309, 16953), (319, 16992), (354, 17073), (375, 17127), (380, 17142), (433, 17238), (458, 17313), (467, 17343), (541, 17526), (549, 17550), (605, 17694), (612, 17706), (631, 17766), (677, 17898), (678, 17901), (704, 18000), (709, 18018), (725, 18069), (750, 18135), (772, 18198), (782, 18210),

Gene: CaptainTrips_17 Start: 15501, Stop: 17210, Start Num: 129

Candidate Starts for CaptainTrips_17:

(Start: 129 @15501 has 207 MA's), (205, 15588), (Start: 232 @15633 has 2 MA's), (242, 15657), (248, 15678), (279, 15762), (287, 15768), (294, 15786), (309, 15816), (347, 15921), (367, 15981), (376, 16002), (379, 16011), (385, 16029), (387, 16035), (432, 16161), (437, 16176), (439, 16182), (452, 16218), (453, 16221), (457, 16233), (458, 16239), (469, 16287), (474, 16299), (475, 16305), (517, 16365), (520, 16377), (531, 16413), (533, 16425), (565, 16500), (568, 16509), (575, 16527), (578, 16533), (590, 16563), (639, 16668), (643, 16677), (645, 16680), (659, 16716), (680, 16794), (706, 16893), (713, 16914), (723, 16947), (734, 16977), (743, 17007), (746, 17016), (748, 17022), (757, 17037), (758, 17040), (765, 17064), (782, 17094), (790, 17106), (797, 17136), (808, 17178),

Gene: Carcharodon_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Carcharodon_18:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249, 15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364, 15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406, 15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477, 15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589, 16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743, 16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: Cardigan_47 Start: 30787, Stop: 32481, Start Num: 146

Candidate Starts for Cardigan_47:

(Start: 146 @30787 has 2 MA's), (193, 30853), (198, 30859), (233, 30916), (296, 31075), (300, 31087), (348, 31213), (363, 31261), (437, 31411), (455, 31462), (458, 31474), (459, 31480), (520, 31621), (524, 31636), (614, 31903), (676, 32032), (678, 32038), (679, 32047), (698, 32110), (707, 32149), (710, 32158), (725, 32206), (756, 32281), (776, 32341), (798, 32389), (805, 32416), (807, 32425), (808, 32428),

Gene: CarolAnn_19 Start: 16617, Stop: 18263, Start Num: 171

Candidate Starts for CarolAnn_19:

(143, 16581), (Start: 171 @16617 has 46 MA's), (237, 16719), (262, 16797), (265, 16800), (309, 16896), (319, 16935), (354, 17016), (375, 17070), (380, 17085), (458, 17256), (467, 17286), (541, 17469), (549, 17493), (571, 17544), (605, 17637), (612, 17649), (626, 17694), (631, 17709), (677, 17841), (678, 17844), (704, 17943), (709, 17961), (725, 18012), (748, 18072), (750, 18078), (772, 18141), (782, 18153),

Gene: Carsonalex_19 Start: 15787, Stop: 17487, Start Num: 150

Candidate Starts for Carsonalex_19:

(Start: 150 @15787 has 7 MA's), (Start: 154 @15790 has 33 MA's), (265, 16000), (313, 16123), (334, 16174), (362, 16261), (380, 16306), (384, 16318), (432, 16396), (436, 16408), (446, 16435), (454, 16468), (463, 16501), (467, 16513), (477, 16555), (535, 16678), (558, 16750), (587, 16828), (591,

16843), (599, 16861), (620, 16918), (666, 17011), (677, 17047), (679, 17059), (681, 17065), (685, 17077), (688, 17086), (706, 17158), (707, 17161), (709, 17167), (713, 17179), (731, 17239), (748, 17284), (751, 17293), (759, 17326), (790, 17392),

Gene: CaseJules_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for CaseJules_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Cashline_20 Start: 17390, Stop: 19096, Start Num: 147

Candidate Starts for Cashline_20:

(Start: 125 @17366 has 46 MA's), (Start: 147 @17390 has 24 MA's), (Start: 244 @17537 has 1 MA's), (271, 17612), (313, 17726), (362, 17873), (365, 17879), (451, 18062), (471, 18137), (586, 18419), (592, 18440), (620, 18515), (657, 18602), (672, 18638), (679, 18671), (681, 18677), (699, 18743), (707, 18773), (757, 18929), (759, 18935), (764, 18953), (806, 19064),

Gene: CassieYates_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for CassieYates_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Catdawg_56 Start: 33524, Stop: 35260, Start Num: 109

Candidate Starts for Catdawg_56:

(Start: 104 @33515 has 2 MA's), (Start: 109 @33524 has 26 MA's), (Start: 184 @33614 has 1 MA's), (248, 33731), (258, 33767), (266, 33788), (279, 33815), (287, 33821), (311, 33875), (329, 33926), (379, 34064), (381, 34070), (395, 34121), (396, 34124), (401, 34142), (432, 34193), (439, 34214), (440, 34217), (457, 34265), (458, 34271), (469, 34319), (472, 34325), (474, 34331), (507, 34391), (517, 34415), (518, 34418), (531, 34463), (534, 34478), (537, 34487), (541, 34496), (557, 34541), (568, 34559), (582, 34592), (645, 34730), (654, 34751), (674, 34817), (681, 34847), (696, 34901), (706, 34943), (713, 34964), (719, 34985), (723, 34997), (730, 35018), (748, 35072), (786, 35150), (797, 35186), (803, 35207), (809, 35234),

Gene: Cedasite_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Cedasite_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Cerasum_17 Start: 14635, Stop: 16344, Start Num: 129

Candidate Starts for Cerasum_17:

(Start: 129 @14635 has 207 MA's), (205, 14722), (Start: 232 @14767 has 2 MA's), (242, 14791), (279, 14896), (287, 14902), (294, 14920), (309, 14950), (347, 15055), (367, 15115), (376, 15136), (379,

15145), (387, 15169), (406, 15244), (407, 15247), (432, 15295), (437, 15310), (439, 15316), (452, 15352), (453, 15355), (457, 15367), (458, 15373), (469, 15421), (474, 15433), (475, 15439), (517, 15499), (520, 15511), (531, 15547), (533, 15559), (565, 15634), (568, 15643), (575, 15661), (578, 15667), (590, 15697), (639, 15802), (643, 15811), (645, 15814), (659, 15850), (680, 15928), (706, 16027), (713, 16048), (723, 16081), (734, 16111), (743, 16141), (746, 16150), (748, 16156), (757, 16171), (758, 16174), (765, 16198), (782, 16228), (790, 16240), (797, 16270), (808, 16312),

Gene: Chance64_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Chance64_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Chancellor_24 Start: 18633, Stop: 20420, Start Num: 120

Candidate Starts for Chancellor_24:

(Start: 95 @18594 has 1 MA's), (Start: 111 @18624 has 26 MA's), (Start: 117 @18630 has 41 MA's), (Start: 120 @18633 has 139 MA's), (177, 18690), (210, 18738), (Start: 232 @18777 has 2 MA's), (237, 18792), (245, 18810), (255, 18843), (265, 18873), (287, 18918), (295, 18936), (315, 19008), (317, 19014), (330, 19044), (353, 19110), (358, 19122), (407, 19257), (437, 19305), (439, 19311), (446, 19329), (456, 19359), (467, 19398), (517, 19524), (533, 19584), (534, 19587), (541, 19605), (546, 19620), (604, 19788), (622, 19842), (635, 19887), (655, 19932), (666, 19956), (676, 19989), (685, 20022), (704, 20094), (707, 20106), (723, 20157), (725, 20163), (764, 20265), (809, 20391), (817, 20412),

Gene: Charlie_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Charlie_18:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249, 15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364, 15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406, 15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477, 15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589, 16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743, 16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: Chaser_18 Start: 16640, Stop: 18403, Start Num: 98

Candidate Starts for Chaser_18:

(Start: 98 @16640 has 41 MA's), (210, 16781), (261, 16889), (262, 16892), (343, 17090), (344, 17093), (347, 17105), (353, 17126), (390, 17234), (404, 17264), (458, 17372), (469, 17420), (476, 17441), (543, 17597), (563, 17660), (579, 17702), (583, 17711), (587, 17723), (601, 17765), (672, 17927), (679, 17960), (706, 18062), (709, 18071), (723, 18116), (744, 18173), (757, 18212), (764, 18236), (777, 18272), (785, 18287), (794, 18317), (802, 18344), (805, 18356), (810, 18377),

Gene: Chavito_23 Start: 16524, Stop: 18290, Start Num: 120

Candidate Starts for Chavito_23:

(Start: 111 @16515 has 26 MA's), (Start: 120 @16524 has 139 MA's), (Start: 125 @16530 has 46 MA's), (Start: 148 @16554 has 2 MA's), (177, 16593), (Start: 232 @16680 has 2 MA's), (237, 16695), (245, 16713), (255, 16746), (265, 16776), (287, 16821), (295, 16839), (315, 16911), (330, 16947), (358, 17025), (360, 17034), (384, 17097), (397, 17139), (398, 17142), (416, 17178), (417, 17181), (437, 17208), (439, 17214), (454, 17256), (456, 17262), (463, 17289), (517, 17427), (521, 17445), (551, 17535), (564, 17562), (578, 17595), (604, 17667), (622, 17721), (637, 17775), (640, 17781),

(666, 17826), (676, 17859), (679, 17874), (685, 17892), (688, 17901), (707, 17976), (723, 18027),
(725, 18033), (761, 18126), (800, 18222), (809, 18261), (810, 18264), (817, 18282),

Gene: Che8_16 Start: 14833, Stop: 16542, Start Num: 129

Candidate Starts for Che8_16:

(Start: 129 @14833 has 207 MA's), (205, 14920), (219, 14941), (Start: 232 @14965 has 2 MA's), (242, 14989), (248, 15010), (279, 15094), (287, 15100), (294, 15118), (309, 15148), (347, 15253), (367, 15313), (376, 15334), (379, 15343), (385, 15361), (387, 15367), (406, 15442), (432, 15493), (437, 15508), (439, 15514), (452, 15550), (453, 15553), (457, 15565), (458, 15571), (469, 15619), (474, 15631), (475, 15637), (517, 15697), (520, 15709), (531, 15745), (533, 15757), (565, 15832), (568, 15841), (575, 15859), (578, 15865), (590, 15895), (639, 16000), (643, 16009), (645, 16012), (659, 16048), (670, 16084), (671, 16087), (680, 16126), (706, 16225), (713, 16246), (723, 16279), (734, 16309), (742, 16336), (743, 16339), (746, 16348), (748, 16354), (757, 16369), (758, 16372), (764, 16393), (765, 16396), (790, 16438), (797, 16468), (808, 16510),

Gene: CheetoDust_23 Start: 17165, Stop: 18931, Start Num: 120

Candidate Starts for CheetoDust_23:

(Start: 120 @17165 has 139 MA's), (Start: 148 @17195 has 2 MA's), (245, 17354), (255, 17387), (265, 17417), (280, 17450), (287, 17462), (315, 17552), (333, 17594), (358, 17666), (360, 17675), (376, 17714), (390, 17759), (397, 17780), (398, 17783), (433, 17837), (439, 17855), (454, 17897), (456, 17903), (463, 17930), (517, 18068), (521, 18086), (533, 18128), (540, 18146), (551, 18176), (564, 18203), (604, 18308), (666, 18467), (677, 18503), (685, 18533), (688, 18542), (707, 18617), (723, 18668), (800, 18863), (809, 18902), (810, 18905), (817, 18923),

Gene: Cheetobro_24 Start: 18630, Stop: 20417, Start Num: 120

Candidate Starts for Cheetobro_24:

(Start: 95 @18591 has 1 MA's), (Start: 111 @18621 has 26 MA's), (Start: 117 @18627 has 41 MA's), (Start: 120 @18630 has 139 MA's), (177, 18687), (210, 18735), (Start: 232 @18774 has 2 MA's), (237, 18789), (245, 18807), (255, 18840), (265, 18870), (287, 18915), (295, 18933), (315, 19005), (317, 19011), (330, 19041), (353, 19107), (358, 19119), (407, 19254), (437, 19302), (439, 19308), (446, 19326), (456, 19356), (467, 19395), (517, 19521), (533, 19581), (534, 19584), (541, 19602), (546, 19617), (604, 19785), (622, 19839), (635, 19884), (655, 19929), (666, 19953), (676, 19986), (685, 20019), (704, 20091), (707, 20103), (723, 20154), (725, 20160), (764, 20262), (809, 20388), (817, 20409),

Gene: Cherrybomb426_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Cherrybomb426_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: CherryonLim_19 Start: 16167, Stop: 17864, Start Num: 150

Candidate Starts for CherryonLim_19:

(Start: 150 @16167 has 7 MA's), (Start: 154 @16170 has 33 MA's), (226, 16269), (Start: 244 @16311 has 1 MA's), (251, 16332), (334, 16551), (375, 16668), (384, 16695), (398, 16740), (408, 16758), (432, 16773), (437, 16788), (454, 16845), (463, 16878), (467, 16890), (500, 16977), (516, 16995), (525, 17025), (535, 17055), (540, 17070), (555, 17118), (573, 17169), (587, 17205), (591, 17220), (599, 17238), (620, 17295), (677, 17424), (679, 17436), (706, 17535), (707, 17538), (713, 17556), (739, 17634), (748, 17661), (759, 17703), (810, 17850), (813, 17856),

Gene: Chevrolet_16 Start: 14845, Stop: 16554, Start Num: 129

Candidate Starts for Chevrolet_16:

(Start: 129 @14845 has 207 MA's), (205, 14932), (Start: 232 @14977 has 2 MA's), (242, 15001), (279, 15106), (287, 15112), (294, 15130), (309, 15160), (347, 15265), (367, 15325), (376, 15346), (379, 15355), (385, 15373), (387, 15379), (406, 15454), (411, 15466), (424, 15481), (425, 15487), (432, 15505), (437, 15520), (439, 15526), (447, 15547), (452, 15562), (453, 15565), (457, 15577), (458, 15583), (469, 15631), (474, 15643), (475, 15649), (517, 15709), (520, 15721), (531, 15757), (533, 15769), (534, 15772), (541, 15790), (565, 15844), (568, 15853), (575, 15871), (578, 15877), (639, 16012), (643, 16021), (645, 16024), (659, 16060), (671, 16099), (680, 16138), (706, 16237), (713, 16258), (723, 16291), (734, 16321), (743, 16351), (745, 16357), (746, 16360), (748, 16366), (757, 16381), (758, 16384), (765, 16408), (790, 16450), (808, 16522), (809, 16528),

Gene: Chewbacca_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Chewbacca_18:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249, 15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364, 15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406, 15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477, 15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589, 16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743, 16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: ChewyVIII_56 Start: 38189, Stop: 39760, Start Num: 184

Candidate Starts for ChewyVIII_56:

(126, 38114), (Start: 184 @38189 has 1 MA's), (250, 38300), (259, 38333), (288, 38396), (337, 38519), (346, 38549), (353, 38573), (365, 38606), (375, 38630), (399, 38702), (439, 38753), (458, 38810), (472, 38864), (496, 38915), (572, 39083), (587, 39125), (622, 39227), (678, 39338), (690, 39386), (713, 39467), (725, 39506), (756, 39581), (761, 39599), (765, 39611), (797, 39686), (801, 39698), (805, 39716),

Gene: Chickadee_32 Start: 27527, Stop: 29146, Start Num: 168

Candidate Starts for Chickadee_32:

(Start: 168 @27527 has 11 MA's), (185, 27548), (230, 27611), (274, 27734), (280, 27746), (308, 27803), (338, 27881), (380, 28004), (440, 28118), (451, 28148), (463, 28190), (479, 28253), (517, 28301), (519, 28310), (533, 28361), (550, 28409), (612, 28574), (622, 28604), (674, 28703), (676, 28712), (677, 28715), (689, 28760), (702, 28817), (704, 28823), (705, 28829), (720, 28877), (723, 28886), (725, 28892), (726, 28895), (746, 28946), (761, 28991), (791, 29060), (805, 29108), (808, 29120),

Gene: ChickenDinner_17 Start: 14677, Stop: 16386, Start Num: 129

Candidate Starts for ChickenDinner_17:

(Start: 129 @14677 has 207 MA's), (205, 14764), (Start: 232 @14809 has 2 MA's), (242, 14833), (279, 14938), (287, 14944), (294, 14962), (297, 14971), (309, 14992), (347, 15097), (367, 15157), (371, 15166), (376, 15178), (379, 15187), (387, 15211), (396, 15247), (398, 15253), (401, 15265), (406, 15286), (407, 15289), (411, 15298), (424, 15313), (425, 15319), (432, 15337), (437, 15352), (439, 15358), (446, 15376), (447, 15379), (452, 15394), (457, 15409), (458, 15415), (469, 15463), (474, 15475), (475, 15481), (517, 15541), (520, 15553), (522, 15562), (531, 15589), (533, 15601), (565, 15676), (568, 15685), (575, 15703), (578, 15709), (590, 15739), (639, 15844), (643, 15853), (645, 15856), (659, 15892), (680, 15970), (706, 16069), (713, 16090), (723, 16123), (734, 16153), (743, 16183), (745, 16189), (746, 16192), (748, 16198), (757, 16213), (758, 16216), (764, 16237), (765, 16240), (790, 16282), (808, 16354), (809, 16360),

Gene: ChickenTender_20 Start: 15797, Stop: 17494, Start Num: 154

Candidate Starts for ChickenTender_20:

(Start: 150 @15794 has 7 MA's), (Start: 154 @15797 has 33 MA's), (265, 16007), (334, 16181), (353, 16241), (362, 16268), (375, 16298), (376, 16301), (382, 16319), (384, 16325), (393, 16355), (432, 16403), (436, 16415), (446, 16442), (463, 16508), (467, 16520), (525, 16655), (535, 16685), (558, 16757), (587, 16835), (591, 16850), (599, 16868), (620, 16925), (679, 17066), (681, 17072), (685, 17084), (688, 17093), (706, 17165), (707, 17168), (709, 17174), (713, 17186), (731, 17246), (744, 17279), (748, 17291), (751, 17300), (759, 17333), (790, 17399), (805, 17459),

Gene: ChocoMunchkin_18 Start: 15395, Stop: 17095, Start Num: 150

Candidate Starts for ChocoMunchkin_18:

(Start: 150 @15395 has 7 MA's), (Start: 154 @15398 has 33 MA's), (226, 15500), (Start: 232 @15512 has 2 MA's), (265, 15608), (301, 15692), (334, 15782), (353, 15842), (362, 15869), (375, 15899), (376, 15902), (398, 15971), (432, 16004), (436, 16016), (437, 16019), (444, 16040), (446, 16043), (463, 16109), (467, 16121), (535, 16286), (587, 16436), (591, 16451), (599, 16469), (620, 16526), (679, 16667), (681, 16673), (685, 16685), (688, 16694), (706, 16766), (707, 16769), (709, 16775), (713, 16787), (748, 16892), (751, 16901), (759, 16934),

Gene: Chop_22 Start: 17878, Stop: 19584, Start Num: 172

Candidate Starts for Chop_22:

(Start: 106 @17803 has 2 MA's), (Start: 172 @17878 has 16 MA's), (Start: 232 @17971 has 2 MA's), (237, 17986), (239, 17992), (264, 18067), (296, 18139), (332, 18250), (348, 18295), (353, 18313), (358, 18325), (437, 18496), (440, 18505), (443, 18511), (470, 18607), (483, 18658), (537, 18781), (551, 18820), (602, 18952), (637, 19066), (676, 19153), (706, 19267), (709, 19276), (746, 19381), (783, 19468), (817, 19576),

Gene: ChosenOne_23 Start: 18953, Stop: 20632, Start Num: 137

Candidate Starts for ChosenOne_23:

(Start: 137 @18953 has 79 MA's), (Start: 203 @19037 has 47 MA's), (Start: 244 @19115 has 1 MA's), (274, 19202), (287, 19217), (309, 19265), (321, 19304), (353, 19391), (365, 19424), (379, 19460), (388, 19490), (390, 19496), (409, 19565), (435, 19595), (438, 19607), (439, 19610), (458, 19667), (518, 19799), (519, 19805), (538, 19871), (541, 19877), (549, 19901), (568, 19949), (578, 19973), (582, 19982), (606, 20057), (643, 20108), (650, 20123), (698, 20285), (704, 20312), (713, 20342), (747, 20447), (786, 20525), (797, 20561), (800, 20570), (808, 20603), (813, 20618),

Gene: ChotaBhai_24 Start: 19079, Stop: 20674, Start Num: 203

Candidate Starts for ChotaBhai_24:

(Start: 137 @18995 has 79 MA's), (Start: 203 @19079 has 47 MA's), (Start: 244 @19157 has 1 MA's), (274, 19244), (287, 19259), (309, 19307), (321, 19346), (353, 19433), (365, 19466), (379, 19502), (388, 19532), (390, 19538), (409, 19607), (435, 19637), (438, 19649), (439, 19652), (458, 19709), (518, 19841), (519, 19847), (538, 19913), (541, 19919), (549, 19943), (568, 19991), (578, 20015), (582, 20024), (606, 20099), (643, 20150), (650, 20165), (698, 20327), (704, 20354), (713, 20384), (747, 20489), (786, 20567), (797, 20603), (800, 20612), (808, 20645), (813, 20660),

Gene: Chris_22 Start: 16379, Stop: 18145, Start Num: 120

Candidate Starts for Chris_22:

(Start: 95 @16340 has 1 MA's), (Start: 111 @16370 has 26 MA's), (Start: 120 @16379 has 139 MA's), (Start: 148 @16409 has 2 MA's), (Start: 232 @16535 has 2 MA's), (237, 16550), (255, 16601), (280, 16664), (317, 16772), (330, 16802), (358, 16880), (360, 16889), (376, 16928), (391, 16976), (397, 16994), (416, 17033), (417, 17036), (433, 17051), (437, 17063), (439, 17069), (446, 17087), (454, 17111), (456, 17117), (463, 17144), (472, 17180), (517, 17282), (521, 17300), (540, 17360), (583, 17462), (587, 17474), (604, 17522), (612, 17546), (628, 17597), (640, 17636), (666, 17681), (676, 17714), (678, 17720), (685, 17747), (704, 17819), (707, 17831), (723, 17882), (725, 17888), (761, 17981), (786, 18032), (800, 18077), (817, 18137),

Gene: Chuckly_16 Start: 14978, Stop: 16687, Start Num: 129

Candidate Starts for Chuckly_16:

(Start: 129 @14978 has 207 MA's), (205, 15065), (Start: 232 @15110 has 2 MA's), (242, 15134), (279, 15239), (287, 15245), (294, 15263), (309, 15293), (347, 15398), (367, 15458), (376, 15479), (379, 15488), (387, 15512), (406, 15587), (432, 15638), (437, 15653), (439, 15659), (452, 15695), (453, 15698), (457, 15710), (458, 15716), (469, 15764), (474, 15776), (475, 15782), (517, 15842), (520, 15854), (531, 15890), (533, 15902), (565, 15977), (568, 15986), (575, 16004), (578, 16010), (590, 16040), (639, 16145), (643, 16154), (645, 16157), (659, 16193), (680, 16271), (706, 16370), (713, 16391), (723, 16424), (734, 16454), (743, 16484), (746, 16493), (748, 16499), (757, 16514), (758, 16517), (765, 16541), (782, 16571), (790, 16583), (797, 16613), (808, 16655),

Gene: CicholasNage_18 Start: 16748, Stop: 18517, Start Num: 98

Candidate Starts for CicholasNage_18:

(Start: 70 @16685 has 1 MA's), (80, 16706), (85, 16721), (Start: 98 @16748 has 41 MA's), (174, 16841), (Start: 207 @16889 has 1 MA's), (210, 16895), (236, 16922), (237, 16925), (239, 16931), (261, 17003), (266, 17012), (278, 17036), (285, 17051), (295, 17081), (344, 17207), (346, 17216), (352, 17237), (357, 17252), (382, 17321), (393, 17357), (404, 17378), (447, 17447), (458, 17486), (517, 17624), (520, 17636), (543, 17711), (545, 17717), (550, 17735), (563, 17774), (575, 17807), (579, 17816), (583, 17825), (586, 17834), (628, 17957), (638, 17993), (672, 18041), (675, 18053), (689, 18107), (715, 18203), (720, 18221), (722, 18227), (723, 18230), (736, 18263), (744, 18287), (764, 18350), (779, 18392), (794, 18431), (800, 18449), (805, 18470), (810, 18491),

Gene: Cjw1_24 Start: 20668, Stop: 22185, Start Num: 244

Candidate Starts for Cjw1_24:

(Start: 137 @20506 has 79 MA's), (Start: 203 @20590 has 47 MA's), (Start: 244 @20668 has 1 MA's), (274, 20755), (287, 20770), (309, 20818), (321, 20857), (353, 20944), (365, 20977), (379, 21013), (388, 21043), (390, 21049), (409, 21118), (435, 21148), (438, 21160), (439, 21163), (458, 21220), (518, 21352), (519, 21358), (538, 21424), (541, 21430), (549, 21454), (568, 21502), (578, 21526), (582, 21535), (606, 21610), (643, 21661), (650, 21676), (698, 21838), (704, 21865), (713, 21895), (747, 22000), (786, 22078), (797, 22114), (800, 22123), (808, 22156), (813, 22171),

Gene: Clap_17 Start: 14758, Stop: 16467, Start Num: 169

Candidate Starts for Clap_17:

(Start: 169 @14758 has 31 MA's), (238, 14875), (295, 15025), (309, 15064), (312, 15079), (340, 15148), (344, 15160), (370, 15238), (372, 15241), (410, 15373), (431, 15427), (455, 15508), (469, 15568), (472, 15574), (474, 15580), (529, 15661), (543, 15697), (556, 15733), (570, 15751), (585, 15790), (613, 15862), (621, 15886), (701, 16120), (705, 16135), (718, 16177), (749, 16270), (750, 16273), (764, 16321), (774, 16351),

Gene: Clark_20 Start: 17346, Stop: 18926, Start Num: 167

Candidate Starts for Clark_20:

(83, 17229), (Start: 167 @17346 has 53 MA's), (302, 17604), (310, 17625), (327, 17679), (344, 17718), (361, 17775), (370, 17796), (456, 17967), (460, 17985), (468, 18009), (472, 18030), (513, 18072), (543, 18153), (584, 18243), (602, 18288), (621, 18345), (622, 18348), (637, 18402), (680, 18492), (761, 18771), (764, 18780), (774, 18810),

Gene: Clarkson_51 Start: 27400, Stop: 29112, Start Num: 131

Candidate Starts for Clarkson_51:

(90, 27337), (Start: 131 @27400 has 77 MA's), (196, 27481), (237, 27538), (262, 27619), (266, 27625), (291, 27682), (295, 27694), (299, 27706), (313, 27745), (317, 27760), (346, 27829), (362, 27883), (366, 27892), (443, 28048), (458, 28096), (460, 28105), (463, 28114), (473, 28153), (477, 28168), (517, 28231), (520, 28243), (556, 28360), (575, 28414), (586, 28441), (587, 28444), (593, 28465),

(607, 28507), (665, 28627), (672, 28645), (709, 28789), (723, 28834), (727, 28852), (756, 28936), (759, 28945), (764, 28963), (771, 28984), (794, 29029), (796, 29035), (800, 29047), (803, 29059), (806, 29071), (813, 29095), (815, 29101),

Gene: Claus_18 Start: 16970, Stop: 18703, Start Num: 131

Candidate Starts for Claus_18:

(Start: 131 @16970 has 77 MA's), (188, 17039), (261, 17180), (262, 17183), (278, 17213), (285, 17228), (296, 17261), (312, 17306), (334, 17360), (344, 17387), (347, 17399), (362, 17450), (365, 17456), (378, 17489), (451, 17642), (458, 17666), (460, 17675), (472, 17720), (490, 17771), (553, 17933), (575, 17996), (601, 18068), (614, 18104), (661, 18203), (670, 18224), (672, 18230), (675, 18242), (691, 18305), (715, 18392), (723, 18419), (736, 18452), (748, 18488), (754, 18503), (757, 18515), (764, 18539), (794, 18617), (800, 18635),

Gene: Clautastrophe_19 Start: 17373, Stop: 19136, Start Num: 98

Candidate Starts for Clautastrophe_19:

(Start: 98 @17373 has 41 MA's), (Start: 120 @17400 has 139 MA's), (174, 17463), (Start: 207 @17511 has 1 MA's), (210, 17517), (239, 17553), (262, 17628), (274, 17652), (278, 17658), (299, 17715), (344, 17829), (347, 17841), (385, 17952), (455, 18096), (458, 18108), (468, 18141), (543, 18330), (545, 18336), (563, 18393), (579, 18435), (583, 18444), (587, 18456), (613, 18531), (635, 18600), (638, 18612), (672, 18660), (689, 18726), (709, 18804), (723, 18849), (744, 18906), (764, 18969), (777, 19005), (785, 19020), (794, 19050), (796, 19056), (800, 19068), (802, 19077), (805, 19089),

Gene: Cleo_18 Start: 15991, Stop: 17682, Start Num: 154

Candidate Starts for Cleo_18:

(Start: 154 @15991 has 33 MA's), (Start: 232 @16105 has 2 MA's), (245, 16138), (317, 16339), (334, 16375), (362, 16462), (398, 16564), (432, 16597), (436, 16609), (437, 16612), (454, 16669), (463, 16702), (468, 16717), (474, 16744), (484, 16783), (516, 16819), (518, 16825), (535, 16879), (543, 16903), (555, 16942), (557, 16948), (586, 17020), (591, 17038), (594, 17047), (599, 17056), (620, 17113), (624, 17131), (677, 17242), (679, 17254), (688, 17281), (706, 17353), (707, 17356), (739, 17452), (748, 17479), (754, 17503), (759, 17521),

Gene: Clifton_16 Start: 14762, Stop: 16471, Start Num: 129

Candidate Starts for Clifton_16:

(Start: 129 @14762 has 207 MA's), (205, 14849), (Start: 232 @14894 has 2 MA's), (242, 14918), (279, 15023), (287, 15029), (294, 15047), (309, 15077), (347, 15182), (367, 15242), (376, 15263), (379, 15272), (387, 15296), (432, 15422), (437, 15437), (439, 15443), (452, 15479), (453, 15482), (457, 15494), (458, 15500), (469, 15548), (474, 15560), (475, 15566), (517, 15626), (520, 15638), (531, 15674), (533, 15686), (565, 15761), (568, 15770), (575, 15788), (578, 15794), (590, 15824), (639, 15929), (643, 15938), (645, 15941), (659, 15977), (680, 16055), (706, 16154), (713, 16175), (723, 16208), (734, 16238), (743, 16268), (746, 16277), (748, 16283), (757, 16298), (758, 16301), (765, 16325), (782, 16355), (790, 16367), (797, 16397), (808, 16439),

Gene: Clipper_25 Start: 17165, Stop: 18931, Start Num: 120

Candidate Starts for Clipper_25:

(Start: 120 @17165 has 139 MA's), (Start: 148 @17195 has 2 MA's), (245, 17354), (255, 17387), (265, 17417), (280, 17450), (287, 17462), (315, 17552), (333, 17594), (358, 17666), (360, 17675), (376, 17714), (390, 17759), (391, 17762), (397, 17780), (398, 17783), (433, 17837), (439, 17855), (454, 17897), (456, 17903), (463, 17930), (517, 18068), (521, 18086), (533, 18128), (540, 18146), (551, 18176), (564, 18203), (604, 18308), (666, 18467), (677, 18503), (685, 18533), (688, 18542), (707, 18617), (723, 18668), (800, 18863), (809, 18902), (810, 18905), (817, 18923),

Gene: ClubL_48 Start: 29531, Stop: 31222, Start Num: 152

Candidate Starts for ClubL_48:

(Start: 152 @29531 has 16 MA's), (193, 29591), (214, 29624), (233, 29657), (280, 29783), (296, 29816), (299, 29825), (348, 29954), (363, 30002), (458, 30215), (459, 30221), (467, 30245), (524, 30374), (531, 30395), (541, 30428), (605, 30626), (678, 30779), (704, 30878), (707, 30890), (710, 30899), (740, 30983), (798, 31130), (807, 31166), (810, 31178),

Gene: Coco12_18 Start: 15204, Stop: 16913, Start Num: 129

Candidate Starts for Coco12_18:

(Start: 129 @15204 has 207 MA's), (205, 15291), (Start: 232 @15336 has 2 MA's), (242, 15360), (279, 15465), (287, 15471), (294, 15489), (309, 15519), (347, 15624), (367, 15684), (376, 15705), (379, 15714), (387, 15738), (406, 15813), (407, 15816), (432, 15864), (437, 15879), (439, 15885), (452, 15921), (453, 15924), (457, 15936), (458, 15942), (469, 15990), (474, 16002), (475, 16008), (517, 16068), (520, 16080), (531, 16116), (533, 16128), (565, 16203), (568, 16212), (575, 16230), (578, 16236), (590, 16266), (639, 16371), (643, 16380), (645, 16383), (659, 16419), (680, 16497), (706, 16596), (713, 16617), (723, 16650), (734, 16680), (743, 16710), (746, 16719), (748, 16725), (757, 16740), (758, 16743), (782, 16797), (790, 16809), (797, 16839), (808, 16881),

Gene: CoffeeBean_45 Start: 31300, Stop: 32874, Start Num: 187

Candidate Starts for CoffeeBean_45:

(Start: 187 @31300 has 8 MA's), (193, 31309), (230, 31363), (Start: 244 @31387 has 1 MA's), (245, 31390), (347, 31660), (369, 31723), (375, 31738), (435, 31855), (439, 31870), (458, 31927), (460, 31936), (471, 31978), (477, 31999), (495, 32029), (526, 32086), (553, 32161), (592, 32257), (627, 32362), (628, 32365), (636, 32392), (681, 32470), (692, 32509), (742, 32665), (766, 32731),

Gene: Coleslaw_18 Start: 16640, Stop: 18394, Start Num: 142

Candidate Starts for Coleslaw_18:

(Start: 111 @16631 has 26 MA's), (Start: 142 @16640 has 43 MA's), (Start: 148 @16646 has 2 MA's), (155, 16652), (237, 16784), (255, 16835), (265, 16865), (275, 16889), (313, 16991), (328, 17030), (330, 17036), (338, 17051), (351, 17096), (393, 17216), (418, 17273), (439, 17312), (456, 17360), (463, 17387), (467, 17399), (491, 17480), (517, 17525), (587, 17723), (598, 17753), (604, 17771), (613, 17798), (638, 17882), (653, 17900), (662, 17915), (676, 17963), (679, 17978), (698, 18041), (713, 18098), (725, 18137), (742, 18179), (761, 18230), (800, 18326), (817, 18386),

Gene: Collard_21 Start: 17552, Stop: 19324, Start Num: 123

Candidate Starts for Collard_21:

(Start: 123 @17552 has 15 MA's), (127, 17558), (Start: 151 @17582 has 2 MA's), (177, 17615), (210, 17663), (237, 17717), (255, 17768), (280, 17831), (317, 17939), (358, 18047), (397, 18161), (398, 18164), (417, 18203), (433, 18218), (437, 18230), (439, 18236), (452, 18272), (454, 18278), (456, 18284), (467, 18323), (472, 18347), (517, 18449), (534, 18512), (604, 18692), (635, 18791), (670, 18869), (676, 18893), (678, 18899), (687, 18932), (707, 19010), (709, 19016), (764, 19169), (804, 19274), (805, 19277), (809, 19295),

Gene: Command613_25 Start: 20014, Stop: 21693, Start Num: 137

Candidate Starts for Command613_25:

(Start: 137 @20014 has 79 MA's), (Start: 203 @20098 has 47 MA's), (Start: 244 @20176 has 1 MA's), (274, 20263), (287, 20278), (309, 20326), (321, 20365), (353, 20452), (365, 20485), (379, 20521), (388, 20551), (390, 20557), (409, 20626), (435, 20656), (438, 20668), (439, 20671), (458, 20728), (518, 20860), (519, 20866), (538, 20932), (541, 20938), (549, 20962), (568, 21010), (578, 21034), (582, 21043), (606, 21118), (643, 21169), (650, 21184), (698, 21346), (704, 21373), (713, 21403), (747, 21508), (786, 21586), (797, 21622), (800, 21631), (808, 21664), (813, 21679),

Gene: Commandaria_43 Start: 31143, Stop: 32756, Start Num: 178

Candidate Starts for Commandaria_43:

(Start: 178 @31143 has 37 MA's), (Start: 207 @31179 has 1 MA's), (216, 31197), (234, 31230), (245, 31257), (318, 31458), (346, 31524), (369, 31590), (375, 31605), (413, 31716), (438, 31746), (439, 31749), (455, 31794), (458, 31806), (469, 31854), (471, 31857), (531, 31983), (549, 32028), (550, 32031), (567, 32070), (586, 32118), (627, 32244), (637, 32280), (706, 32445), (713, 32466), (738, 32535), (759, 32589), (766, 32613), (797, 32685), (813, 32742),

Gene: Confidence_20 Start: 17560, Stop: 19266, Start Num: 147

Candidate Starts for Confidence_20:

(Start: 125 @17536 has 46 MA's), (Start: 147 @17560 has 24 MA's), (224, 17665), (Start: 244 @17707 has 1 MA's), (271, 17782), (313, 17896), (362, 18043), (365, 18049), (451, 18232), (471, 18307), (557, 18514), (586, 18589), (592, 18610), (620, 18685), (657, 18772), (672, 18808), (674, 18817), (679, 18841), (681, 18847), (699, 18913), (707, 18943), (757, 19099), (759, 19105), (764, 19123), (806, 19234),

Gene: Constella_31 Start: 26122, Stop: 28120, Start Num: 131

Candidate Starts for Constella_31:

(Start: 131 @26122 has 77 MA's), (Start: 203 @26212 has 47 MA's), (229, 26260), (242, 26290), (251, 26317), (295, 26419), (310, 26449), (345, 26548), (355, 26584), (357, 26590), (365, 26611), (390, 26683), (393, 26692), (398, 26713), (425, 26782), (439, 26821), (440, 26824), (446, 26839), (458, 26878), (469, 26926), (474, 26938), (475, 26944), (506, 26992), (511, 27001), (518, 27022), (522, 27040), (536, 27088), (575, 27190), (597, 27250), (602, 27262), (615, 27307), (616, 27319), (617, 27454), (618, 27460), (619, 27484), (630, 27556), (637, 27583), (714, 27832),

Gene: Contagion_23 Start: 19253, Stop: 20932, Start Num: 137

Candidate Starts for Contagion_23:

(Start: 137 @19253 has 79 MA's), (Start: 203 @19337 has 47 MA's), (Start: 244 @19415 has 1 MA's), (274, 19502), (287, 19517), (309, 19565), (321, 19604), (353, 19691), (365, 19724), (379, 19760), (388, 19790), (390, 19796), (409, 19865), (435, 19895), (438, 19907), (439, 19910), (458, 19967), (518, 20099), (519, 20105), (538, 20171), (541, 20177), (549, 20201), (568, 20249), (578, 20273), (582, 20282), (606, 20357), (643, 20408), (650, 20423), (698, 20585), (704, 20612), (713, 20642), (747, 20747), (786, 20825), (797, 20861), (800, 20870), (808, 20903), (813, 20918),

Gene: Cookies_24 Start: 19615, Stop: 21294, Start Num: 137

Candidate Starts for Cookies_24:

(Start: 137 @19615 has 79 MA's), (Start: 203 @19699 has 47 MA's), (Start: 244 @19777 has 1 MA's), (274, 19864), (287, 19879), (309, 19927), (321, 19966), (353, 20053), (365, 20086), (379, 20122), (388, 20152), (390, 20158), (409, 20227), (435, 20257), (438, 20269), (439, 20272), (458, 20329), (518, 20461), (519, 20467), (538, 20533), (541, 20539), (549, 20563), (568, 20611), (578, 20635), (582, 20644), (606, 20719), (643, 20770), (650, 20785), (698, 20947), (704, 20974), (713, 21004), (747, 21109), (786, 21187), (797, 21223), (800, 21232), (808, 21265), (813, 21280),

Gene: Corazon_48 Start: 27353, Stop: 29065, Start Num: 131

Candidate Starts for Corazon_48:

(90, 27290), (Start: 131 @27353 has 77 MA's), (196, 27434), (237, 27491), (262, 27572), (266, 27578), (291, 27635), (295, 27647), (299, 27659), (313, 27698), (317, 27713), (346, 27782), (362, 27836), (366, 27845), (443, 28001), (458, 28049), (460, 28058), (463, 28067), (473, 28106), (477, 28121), (517, 28184), (520, 28196), (556, 28313), (557, 28316), (575, 28367), (586, 28394), (587, 28397), (593, 28418), (607, 28460), (665, 28580), (672, 28598), (709, 28742), (723, 28787), (727, 28805), (756, 28889), (759, 28898), (764, 28916), (771, 28937), (794, 28982), (796, 28988), (800, 29000), (803, 29012), (808, 29033), (813, 29048), (815, 29054),

Gene: Corium_16 Start: 14843, Stop: 16552, Start Num: 129

Candidate Starts for Corium_16:

(Start: 129 @14843 has 207 MA's), (205, 14930), (Start: 232 @14975 has 2 MA's), (242, 14999), (279, 15104), (287, 15110), (294, 15128), (309, 15158), (347, 15263), (367, 15323), (376, 15344), (379, 15353), (385, 15371), (387, 15377), (432, 15503), (437, 15518), (439, 15524), (452, 15560), (453, 15563), (457, 15575), (458, 15581), (469, 15629), (474, 15641), (475, 15647), (517, 15707), (520, 15719), (531, 15755), (533, 15767), (565, 15842), (568, 15851), (575, 15869), (578, 15875), (590, 15905), (639, 16010), (643, 16019), (645, 16022), (659, 16058), (680, 16136), (706, 16235), (713, 16256), (723, 16289), (734, 16319), (743, 16349), (746, 16358), (748, 16364), (757, 16379), (758, 16382), (765, 16406), (782, 16436), (790, 16448), (797, 16478), (808, 16520),

Gene: Corndog_59 Start: 34518, Stop: 36254, Start Num: 109

Candidate Starts for Corndog_59:

(Start: 104 @34509 has 2 MA's), (Start: 109 @34518 has 26 MA's), (Start: 184 @34608 has 1 MA's), (248, 34725), (258, 34761), (266, 34782), (279, 34809), (287, 34815), (298, 34845), (311, 34869), (329, 34920), (379, 35058), (381, 35064), (395, 35115), (396, 35118), (401, 35136), (432, 35187), (439, 35208), (440, 35211), (457, 35259), (458, 35265), (469, 35313), (472, 35319), (474, 35325), (507, 35385), (517, 35409), (518, 35412), (531, 35457), (534, 35472), (537, 35481), (541, 35490), (557, 35535), (568, 35553), (582, 35586), (645, 35724), (654, 35745), (674, 35811), (681, 35841), (696, 35895), (706, 35937), (713, 35958), (719, 35979), (723, 35991), (730, 36012), (748, 36066), (786, 36144), (797, 36180), (803, 36201), (809, 36228),

Gene: Cornucopia_17 Start: 14844, Stop: 16553, Start Num: 129

Candidate Starts for Cornucopia_17:

(Start: 129 @14844 has 207 MA's), (205, 14931), (Start: 232 @14976 has 2 MA's), (242, 15000), (279, 15105), (287, 15111), (294, 15129), (309, 15159), (347, 15264), (367, 15324), (376, 15345), (379, 15354), (387, 15378), (406, 15453), (432, 15504), (437, 15519), (439, 15525), (452, 15561), (453, 15564), (457, 15576), (458, 15582), (469, 15630), (474, 15642), (475, 15648), (517, 15708), (520, 15720), (531, 15756), (533, 15768), (565, 15843), (568, 15852), (575, 15870), (578, 15876), (590, 15906), (639, 16011), (645, 16023), (659, 16059), (680, 16137), (706, 16236), (713, 16257), (723, 16290), (734, 16320), (743, 16350), (746, 16359), (748, 16365), (757, 16380), (758, 16383), (765, 16407), (790, 16449), (808, 16521),

Gene: Cosmo_40 Start: 25304, Stop: 27688, Start Num: 17

Candidate Starts for Cosmo_40:

(Start: 17 @25304 has 5 MA's), (24, 25421), (25, 25442), (26, 25445), (30, 25475), (31, 25481), (33, 25490), (39, 25580), (42, 25616), (44, 25634), (45, 25661), (48, 25673), (51, 25682), (56, 25745), (60, 25781), (65, 25817), (66, 25820), (69, 25826), (102, 25898), (128, 25928), (185, 25997), (188, 26000), (236, 26087), (Start: 244 @26105 has 1 MA's), (245, 26108), (261, 26168), (280, 26207), (296, 26249), (299, 26258), (301, 26264), (309, 26279), (312, 26294), (331, 26342), (362, 26438), (379, 26480), (380, 26483), (458, 26660), (463, 26678), (468, 26693), (469, 26708), (476, 26729), (485, 26762), (496, 26771), (516, 26801), (528, 26840), (539, 26882), (543, 26894), (544, 26897), (563, 26957), (586, 27017), (601, 27062), (614, 27098), (635, 27164), (670, 27218), (672, 27224), (689, 27290), (740, 27461), (750, 27485), (794, 27605), (801, 27626), (803, 27635), (813, 27671),

Gene: Courthouse_34 Start: 25078, Stop: 26811, Start Num: 131

Candidate Starts for Courthouse_34:

(Start: 131 @25078 has 77 MA's), (Start: 203 @25168 has 47 MA's), (205, 25171), (242, 25246), (251, 25273), (274, 25339), (295, 25375), (310, 25405), (313, 25420), (345, 25504), (355, 25540), (365, 25567), (380, 25606), (390, 25639), (393, 25648), (407, 25705), (428, 25747), (455, 25822), (458, 25834), (474, 25894), (506, 25948), (518, 25978), (522, 25996), (526, 26005), (534, 26038), (538, 26050), (541, 26056), (554, 26095), (578, 26152), (650, 26302), (656, 26320), (670, 26362), (676, 26386), (677, 26389), (680, 26404), (689, 26434), (698, 26464), (713, 26521), (767, 26671), (810, 26791), (813, 26797),

Gene: Cozz_18 Start: 15733, Stop: 17430, Start Num: 154

Candidate Starts for Cozz_18:

(Start: 150 @15730 has 7 MA's), (Start: 154 @15733 has 33 MA's), (265, 15943), (313, 16066), (334, 16117), (362, 16204), (375, 16234), (380, 16249), (384, 16261), (432, 16339), (436, 16351), (446, 16378), (454, 16411), (463, 16444), (467, 16456), (477, 16498), (535, 16621), (558, 16693), (587, 16771), (591, 16786), (599, 16804), (620, 16861), (666, 16954), (677, 16990), (679, 17002), (681, 17008), (685, 17020), (688, 17029), (706, 17101), (707, 17104), (709, 17110), (713, 17122), (731, 17182), (748, 17227), (751, 17236), (759, 17269), (790, 17335),

Gene: Cracklewink_24 Start: 19740, Stop: 21590, Start Num: 72

Candidate Starts for Cracklewink_24:

(Start: 72 @19740 has 4 MA's), (91, 19785), (Start: 184 @19884 has 1 MA's), (210, 19920), (228, 19950), (237, 19974), (255, 20025), (256, 20028), (298, 20127), (299, 20130), (346, 20268), (352, 20289), (362, 20319), (365, 20325), (380, 20364), (405, 20430), (435, 20472), (439, 20487), (454, 20529), (464, 20565), (467, 20574), (470, 20592), (489, 20652), (494, 20658), (496, 20661), (505, 20691), (516, 20724), (517, 20727), (524, 20754), (545, 20820), (635, 21069), (691, 21216), (711, 21288), (725, 21333), (736, 21357), (738, 21363), (782, 21471), (809, 21561), (810, 21564),

Gene: Crespo_18 Start: 16650, Stop: 18404, Start Num: 142

Candidate Starts for Crespo_18:

(Start: 111 @16641 has 26 MA's), (Start: 142 @16650 has 43 MA's), (Start: 148 @16656 has 2 MA's), (155, 16662), (237, 16794), (255, 16845), (265, 16875), (275, 16899), (313, 17001), (328, 17040), (330, 17046), (338, 17061), (351, 17106), (393, 17226), (418, 17283), (439, 17322), (456, 17370), (463, 17397), (467, 17409), (491, 17490), (517, 17535), (587, 17733), (598, 17763), (604, 17781), (613, 17808), (638, 17892), (653, 17910), (662, 17925), (676, 17973), (679, 17988), (698, 18051), (713, 18108), (725, 18147), (742, 18189), (761, 18240), (800, 18336), (817, 18396),

Gene: CrimD_23 Start: 17126, Stop: 18892, Start Num: 120

Candidate Starts for CrimD_23:

(Start: 120 @17126 has 139 MA's), (Start: 148 @17156 has 2 MA's), (245, 17315), (255, 17348), (265, 17378), (280, 17411), (287, 17423), (315, 17513), (333, 17555), (354, 17618), (358, 17627), (360, 17636), (376, 17675), (390, 17720), (397, 17741), (398, 17744), (439, 17816), (454, 17858), (456, 17864), (463, 17891), (517, 18029), (521, 18047), (533, 18089), (540, 18107), (551, 18137), (564, 18164), (604, 18269), (666, 18428), (677, 18464), (685, 18494), (688, 18503), (707, 18578), (723, 18629), (800, 18824), (809, 18863), (810, 18866), (817, 18884),

Gene: Crossroads_18 Start: 16989, Stop: 18722, Start Num: 131

Candidate Starts for Crossroads_18:

(Start: 131 @16989 has 77 MA's), (188, 17058), (261, 17199), (262, 17202), (285, 17247), (296, 17280), (299, 17289), (312, 17325), (334, 17379), (344, 17406), (347, 17418), (362, 17469), (365, 17475), (378, 17508), (451, 17661), (458, 17685), (460, 17694), (472, 17739), (476, 17754), (517, 17832), (553, 17952), (575, 18015), (601, 18087), (614, 18123), (670, 18243), (672, 18249), (675, 18261), (691, 18324), (704, 18375), (715, 18411), (723, 18438), (748, 18507), (754, 18522), (757, 18534), (764, 18558), (794, 18636),

Gene: Cruella_31 Start: 28482, Stop: 30080, Start Num: 183

Candidate Starts for Cruella_31:

(Start: 183 @28482 has 8 MA's), (247, 28581), (270, 28650), (289, 28689), (337, 28824), (355, 28884), (428, 29037), (435, 29049), (437, 29058), (438, 29061), (454, 29106), (458, 29121), (460, 29130), (463, 29139), (477, 29193), (482, 29211), (521, 29265), (602, 29481), (632, 29574), (686, 29682), (699, 29736), (722, 29811), (766, 29940), (812, 30066),

Gene: Crumble_16 Start: 14809, Stop: 16518, Start Num: 129

Candidate Starts for Crumble_16:

(Start: 129 @14809 has 207 MA's), (205, 14896), (Start: 232 @14941 has 2 MA's), (242, 14965), (279, 15070), (287, 15076), (294, 15094), (309, 15124), (347, 15229), (367, 15289), (376, 15310), (379, 15319), (387, 15343), (406, 15418), (407, 15421), (432, 15469), (437, 15484), (439, 15490), (452, 15526), (453, 15529), (457, 15541), (458, 15547), (469, 15595), (474, 15607), (475, 15613), (517, 15673), (520, 15685), (531, 15721), (533, 15733), (565, 15808), (568, 15817), (575, 15835), (578, 15841), (590, 15871), (639, 15976), (643, 15985), (645, 15988), (659, 16024), (680, 16102), (706, 16201), (713, 16222), (723, 16255), (734, 16285), (743, 16315), (746, 16324), (748, 16330), (757, 16345), (758, 16348), (765, 16372), (782, 16402), (790, 16414), (797, 16444), (808, 16486),

Gene: CrystalP_24 Start: 19746, Stop: 21425, Start Num: 137

Candidate Starts for CrystalP_24:

(Start: 137 @19746 has 79 MA's), (Start: 203 @19830 has 47 MA's), (Start: 244 @19908 has 1 MA's), (274, 19995), (287, 20010), (309, 20058), (321, 20097), (353, 20184), (365, 20217), (379, 20253), (388, 20283), (390, 20289), (409, 20358), (435, 20388), (438, 20400), (439, 20403), (458, 20460), (518, 20592), (519, 20598), (538, 20664), (541, 20670), (549, 20694), (568, 20742), (578, 20766), (582, 20775), (606, 20850), (643, 20901), (650, 20916), (698, 21078), (704, 21105), (713, 21135), (747, 21240), (786, 21318), (797, 21354), (800, 21363), (808, 21396), (813, 21411),

Gene: Cucurbita_50 Start: 30901, Stop: 32592, Start Num: 152

Candidate Starts for Cucurbita_50:

(Start: 152 @30901 has 16 MA's), (193, 30961), (214, 30994), (233, 31027), (280, 31153), (296, 31186), (299, 31195), (348, 31324), (363, 31372), (458, 31585), (459, 31591), (467, 31615), (524, 31744), (531, 31765), (541, 31798), (605, 31996), (678, 32149), (704, 32248), (707, 32260), (710, 32269), (740, 32353), (798, 32500), (807, 32536), (810, 32548),

Gene: Culver_48 Start: 29340, Stop: 31031, Start Num: 152

Candidate Starts for Culver_48:

(Start: 152 @29340 has 16 MA's), (193, 29400), (214, 29433), (Start: 232 @29463 has 2 MA's), (233, 29466), (296, 29625), (299, 29634), (348, 29763), (363, 29811), (458, 30024), (459, 30030), (467, 30054), (524, 30183), (531, 30204), (541, 30237), (605, 30435), (678, 30588), (704, 30687), (707, 30699), (710, 30708), (740, 30792), (798, 30939), (807, 30975),

Gene: Curiosium_24 Start: 16874, Stop: 18640, Start Num: 120

Candidate Starts for Curiosium_24:

(Start: 120 @16874 has 139 MA's), (Start: 148 @16904 has 2 MA's), (245, 17063), (255, 17096), (265, 17126), (280, 17159), (287, 17171), (330, 17297), (333, 17303), (347, 17342), (358, 17375), (360, 17384), (376, 17423), (397, 17489), (398, 17492), (439, 17564), (454, 17606), (456, 17612), (463, 17639), (472, 17675), (517, 17777), (521, 17795), (533, 17837), (540, 17855), (551, 17885), (564, 17912), (604, 18017), (633, 18107), (677, 18212), (685, 18242), (707, 18326), (723, 18377), (736, 18407), (761, 18476), (786, 18527), (809, 18611), (810, 18614), (817, 18632),

Gene: Cynthia_17 Start: 14758, Stop: 16467, Start Num: 169

Candidate Starts for Cynthia_17:

(Start: 169 @14758 has 31 MA's), (238, 14875), (295, 15025), (309, 15064), (312, 15079), (340, 15148), (344, 15160), (370, 15238), (372, 15241), (410, 15373), (431, 15427), (455, 15508), (469, 15568), (472, 15574), (474, 15580), (529, 15661), (543, 15697), (556, 15733), (570, 15751), (585, 15790), (613, 15862), (621, 15886), (701, 16120), (705, 16135), (718, 16177), (749, 16270), (750, 16273), (764, 16321), (774, 16351),

Gene: Czyszczone1_25 Start: 19491, Stop: 21170, Start Num: 137

Candidate Starts for Czyszczone1_25:

(Start: 137 @19491 has 79 MA's), (Start: 203 @19575 has 47 MA's), (Start: 244 @19653 has 1 MA's),
(274, 19740), (287, 19755), (309, 19803), (321, 19842), (353, 19929), (365, 19962), (379, 19998),
(388, 20028), (390, 20034), (409, 20103), (435, 20133), (438, 20145), (439, 20148), (458, 20205),
(518, 20337), (519, 20343), (538, 20409), (541, 20415), (549, 20439), (568, 20487), (578, 20511),
(582, 20520), (606, 20595), (643, 20646), (650, 20661), (698, 20823), (704, 20850), (713, 20880),
(747, 20985), (786, 21063), (797, 21099), (800, 21108), (808, 21141), (813, 21156),

Gene: DHan_18 Start: 16906, Stop: 18639, Start Num: 131

Candidate Starts for DHan_18:

(Start: 131 @16906 has 77 MA's), (188, 16975), (261, 17116), (262, 17119), (278, 17149), (285,
17164), (296, 17197), (312, 17242), (334, 17296), (344, 17323), (347, 17335), (362, 17386), (365,
17392), (378, 17425), (451, 17578), (458, 17602), (460, 17611), (472, 17656), (490, 17707), (535,
17812), (553, 17869), (575, 17932), (601, 18004), (614, 18040), (661, 18139), (670, 18160), (672,
18166), (675, 18178), (691, 18241), (715, 18328), (723, 18355), (736, 18388), (748, 18424), (754,
18439), (757, 18451), (764, 18475), (794, 18553), (800, 18571),

Gene: DLane_16 Start: 14795, Stop: 16504, Start Num: 129

Candidate Starts for DLane_16:

(Start: 129 @14795 has 207 MA's), (205, 14882), (Start: 232 @14927 has 2 MA's), (242, 14951), (279,
15056), (287, 15062), (294, 15080), (309, 15110), (347, 15215), (367, 15275), (376, 15296), (379,
15305), (387, 15329), (432, 15455), (437, 15470), (439, 15476), (452, 15512), (453, 15515), (457,
15527), (458, 15533), (469, 15581), (474, 15593), (475, 15599), (517, 15659), (520, 15671), (531,
15707), (533, 15719), (565, 15794), (568, 15803), (575, 15821), (578, 15827), (590, 15857), (639,
15962), (643, 15971), (645, 15974), (659, 16010), (680, 16088), (706, 16187), (713, 16208), (723,
16241), (734, 16271), (743, 16301), (746, 16310), (748, 16316), (757, 16331), (758, 16334), (765,
16358), (782, 16388), (790, 16400), (797, 16430), (808, 16472),

Gene: DMoney_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for DMoney_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's),
(155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039),
(330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369),
(463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780),
(613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050),
(713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: DNAlll_0018 Start: 16649, Stop: 18412, Start Num: 111

Candidate Starts for DNAlll_0018:

(Start: 111 @16649 has 26 MA's), (Start: 142 @16658 has 43 MA's), (Start: 148 @16664 has 2 MA's),
(155, 16670), (237, 16802), (255, 16853), (265, 16883), (275, 16907), (313, 17009), (328, 17048),
(330, 17054), (338, 17069), (351, 17114), (393, 17234), (418, 17291), (439, 17330), (456, 17378),
(463, 17405), (467, 17417), (491, 17498), (517, 17543), (587, 17741), (598, 17771), (604, 17789),
(613, 17816), (638, 17900), (653, 17918), (662, 17933), (676, 17981), (679, 17996), (698, 18059),
(713, 18116), (725, 18155), (742, 18197), (761, 18248), (800, 18344), (817, 18404),

Gene: DRBy19_16 Start: 14836, Stop: 16545, Start Num: 129

Candidate Starts for DRBy19_16:

(Start: 129 @14836 has 207 MA's), (205, 14923), (Start: 232 @14968 has 2 MA's), (242, 14992), (258,
15049), (279, 15097), (287, 15103), (294, 15121), (309, 15151), (347, 15256), (364, 15310), (367,
15316), (371, 15325), (379, 15346), (387, 15370), (396, 15406), (398, 15412), (406, 15445), (407,
15448), (411, 15457), (424, 15472), (425, 15478), (432, 15496), (437, 15511), (439, 15517), (446,
15535), (447, 15538), (452, 15553), (457, 15568), (458, 15574), (469, 15622), (474, 15634), (475,
15640), (517, 15700), (520, 15712), (531, 15748), (533, 15760), (565, 15835), (568, 15844), (575,

15862), (578, 15868), (590, 15898), (639, 16003), (645, 16015), (659, 16051), (680, 16129), (713, 16249), (723, 16282), (734, 16312), (737, 16324), (743, 16342), (745, 16348), (746, 16351), (748, 16357), (757, 16372), (758, 16375), (764, 16396), (765, 16399), (790, 16441), (797, 16471), (808, 16513), (809, 16519),

Gene: DaWorst_18 Start: 15337, Stop: 17046, Start Num: 129

Candidate Starts for DaWorst_18:

(Start: 129 @15337 has 207 MA's), (205, 15424), (Start: 232 @15469 has 2 MA's), (242, 15493), (258, 15550), (279, 15598), (287, 15604), (294, 15622), (309, 15652), (347, 15757), (364, 15811), (367, 15817), (371, 15826), (379, 15847), (387, 15871), (396, 15907), (398, 15913), (406, 15946), (407, 15949), (411, 15958), (424, 15973), (425, 15979), (432, 15997), (437, 16012), (439, 16018), (446, 16036), (447, 16039), (452, 16054), (457, 16069), (458, 16075), (469, 16123), (474, 16135), (475, 16141), (517, 16201), (520, 16213), (531, 16249), (533, 16261), (565, 16336), (568, 16345), (575, 16363), (578, 16369), (590, 16399), (639, 16504), (645, 16516), (659, 16552), (680, 16630), (713, 16750), (723, 16783), (734, 16813), (737, 16825), (743, 16843), (745, 16849), (746, 16852), (748, 16858), (757, 16873), (758, 16876), (764, 16897), (765, 16900), (790, 16942), (797, 16972), (808, 17014), (809, 17020),

Gene: DaddyRickover_16 Start: 14976, Stop: 16685, Start Num: 129

Candidate Starts for DaddyRickover_16:

(Start: 129 @14976 has 207 MA's), (205, 15063), (Start: 232 @15108 has 2 MA's), (242, 15132), (279, 15237), (287, 15243), (294, 15261), (309, 15291), (347, 15396), (367, 15456), (376, 15477), (379, 15486), (387, 15510), (432, 15636), (437, 15651), (439, 15657), (452, 15693), (453, 15696), (457, 15708), (458, 15714), (469, 15762), (474, 15774), (475, 15780), (517, 15840), (520, 15852), (531, 15888), (533, 15900), (565, 15975), (568, 15984), (575, 16002), (578, 16008), (590, 16038), (639, 16143), (643, 16152), (645, 16155), (659, 16191), (680, 16269), (706, 16368), (713, 16389), (723, 16422), (734, 16452), (743, 16482), (746, 16491), (748, 16497), (757, 16512), (758, 16515), (764, 16536), (765, 16539), (790, 16581), (797, 16611), (808, 16653),

Gene: Daegal_23 Start: 17697, Stop: 19439, Start Num: 117

Candidate Starts for Daegal_23:

(Start: 117 @17697 has 41 MA's), (Start: 125 @17706 has 46 MA's), (161, 17748), (198, 17799), (213, 17823), (220, 17835), (Start: 232 @17856 has 2 MA's), (237, 17871), (245, 17889), (255, 17922), (262, 17949), (295, 18021), (320, 18111), (352, 18195), (355, 18204), (362, 18225), (387, 18291), (396, 18318), (413, 18351), (433, 18369), (440, 18390), (446, 18405), (447, 18408), (467, 18474), (468, 18477), (483, 18543), (497, 18555), (504, 18564), (507, 18567), (534, 18654), (553, 18708), (574, 18753), (577, 18759), (603, 18831), (613, 18861), (622, 18888), (633, 18924), (635, 18933), (676, 19011), (716, 19155), (721, 19173), (725, 19185), (731, 19200), (733, 19203), (742, 19224), (746, 19236), (764, 19284), (776, 19317), (805, 19392), (809, 19410), (817, 19431),

Gene: Daenerys_16 Start: 14808, Stop: 16517, Start Num: 129

Candidate Starts for Daenerys_16:

(Start: 129 @14808 has 207 MA's), (205, 14895), (Start: 232 @14940 has 2 MA's), (242, 14964), (279, 15069), (287, 15075), (294, 15093), (309, 15123), (347, 15228), (367, 15288), (376, 15309), (379, 15318), (387, 15342), (432, 15468), (437, 15483), (439, 15489), (452, 15525), (453, 15528), (457, 15540), (458, 15546), (469, 15594), (474, 15606), (475, 15612), (517, 15672), (520, 15684), (531, 15720), (533, 15732), (565, 15807), (568, 15816), (575, 15834), (578, 15840), (590, 15870), (639, 15975), (643, 15984), (645, 15987), (659, 16023), (680, 16101), (706, 16200), (713, 16221), (723, 16254), (734, 16284), (743, 16314), (746, 16323), (748, 16329), (757, 16344), (758, 16347), (764, 16368), (765, 16371), (790, 16413), (797, 16443), (808, 16485),

Gene: Daikon_22 Start: 19567, Stop: 21162, Start Num: 203

Candidate Starts for Daikon_22:

(Start: 137 @19483 has 79 MA's), (Start: 203 @19567 has 47 MA's), (Start: 244 @19645 has 1 MA's), (274, 19732), (287, 19747), (309, 19795), (321, 19834), (353, 19921), (365, 19954), (379, 19990), (388, 20020), (390, 20026), (409, 20095), (435, 20125), (438, 20137), (439, 20140), (458, 20197), (518, 20329), (519, 20335), (538, 20401), (541, 20407), (549, 20431), (568, 20479), (578, 20503), (582, 20512), (606, 20587), (643, 20638), (650, 20653), (698, 20815), (704, 20842), (713, 20872), (747, 20977), (786, 21055), (797, 21091), (800, 21100), (808, 21133), (813, 21148),

Gene: Dalilpop_46 Start: 32122, Stop: 33741, Start Num: 178

Candidate Starts for Dalilpop_46:

(Start: 178 @32122 has 37 MA's), (189, 32137), (Start: 207 @32158 has 1 MA's), (245, 32236), (297, 32374), (346, 32503), (355, 32533), (365, 32560), (369, 32569), (375, 32584), (413, 32695), (438, 32725), (439, 32728), (458, 32785), (550, 33010), (567, 33049), (586, 33097), (627, 33223), (637, 33259), (678, 33316), (692, 33370), (713, 33445), (761, 33577), (793, 33652), (797, 33664), (801, 33676), (803, 33685), (813, 33721),

Gene: Dalmuri_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Dalmuri_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: DanBing_17 Start: 16810, Stop: 18543, Start Num: 131

Candidate Starts for DanBing_17:

(Start: 131 @16810 has 77 MA's), (188, 16879), (261, 17020), (262, 17023), (278, 17053), (285, 17068), (296, 17101), (312, 17146), (334, 17200), (344, 17227), (347, 17239), (362, 17290), (365, 17296), (378, 17329), (451, 17482), (458, 17506), (460, 17515), (472, 17560), (490, 17611), (535, 17716), (553, 17773), (575, 17836), (601, 17908), (614, 17944), (661, 18043), (670, 18064), (672, 18070), (675, 18082), (691, 18145), (715, 18232), (723, 18259), (736, 18292), (748, 18328), (754, 18343), (757, 18355), (764, 18379), (794, 18457), (800, 18475),

Gene: Dante_16 Start: 14825, Stop: 16534, Start Num: 129

Candidate Starts for Dante_16:

(Start: 129 @14825 has 207 MA's), (205, 14912), (Start: 232 @14957 has 2 MA's), (242, 14981), (279, 15086), (287, 15092), (294, 15110), (309, 15140), (347, 15245), (367, 15305), (376, 15326), (379, 15335), (387, 15359), (432, 15485), (437, 15500), (439, 15506), (452, 15542), (453, 15545), (457, 15557), (458, 15563), (469, 15611), (474, 15623), (475, 15629), (517, 15689), (520, 15701), (531, 15737), (533, 15749), (565, 15824), (568, 15833), (575, 15851), (578, 15857), (590, 15887), (639, 15992), (643, 16001), (645, 16004), (659, 16040), (680, 16118), (706, 16217), (713, 16238), (723, 16271), (734, 16301), (743, 16331), (746, 16340), (748, 16346), (757, 16361), (758, 16364), (765, 16388), (782, 16418), (790, 16430), (797, 16460), (808, 16502),

Gene: Daredevil_29 Start: 25466, Stop: 27352, Start Num: 153

Candidate Starts for Daredevil_29:

(81, 25364), (Start: 153 @25466 has 5 MA's), (230, 25577), (248, 25628), (262, 25676), (318, 25808), (348, 25883), (363, 25931), (393, 26015), (420, 26153), (430, 26252), (455, 26345), (458, 26357), (459, 26363), (467, 26387), (475, 26423), (477, 26429), (533, 26549), (545, 26582), (549, 26594), (572, 26654), (605, 26756), (622, 26798), (629, 26822), (688, 26945), (707, 27020), (713, 27038), (756, 27152), (818, 27344),

Gene: Darionha_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Darionha_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: DARTH_P_22 Start: 17578, Stop: 19344, Start Num: 120

Candidate Starts for DARTH_P_22:

(Start: 95 @17539 has 1 MA's), (Start: 111 @17569 has 26 MA's), (Start: 120 @17578 has 139 MA's), (Start: 148 @17608 has 2 MA's), (Start: 232 @17734 has 2 MA's), (237, 17749), (245, 17767), (255, 17800), (280, 17863), (287, 17875), (295, 17893), (315, 17965), (330, 18001), (333, 18007), (360, 18088), (397, 18193), (398, 18196), (416, 18232), (439, 18268), (454, 18310), (456, 18316), (463, 18343), (472, 18379), (521, 18499), (551, 18589), (564, 18616), (583, 18661), (604, 18721), (628, 18796), (635, 18820), (666, 18880), (677, 18916), (685, 18946), (707, 19030), (723, 19081), (764, 19189), (809, 19315), (810, 19318), (817, 19336),

Gene: DARTIN_23 Start: 16514, Stop: 18280, Start Num: 120

Candidate Starts for DARTIN_23:

(Start: 111 @16505 has 26 MA's), (Start: 120 @16514 has 139 MA's), (Start: 125 @16520 has 46 MA's), (Start: 148 @16544 has 2 MA's), (177, 16583), (Start: 232 @16670 has 2 MA's), (237, 16685), (245, 16703), (255, 16736), (315, 16901), (330, 16937), (358, 17015), (360, 17024), (397, 17129), (398, 17132), (417, 17171), (437, 17198), (439, 17204), (454, 17246), (456, 17252), (463, 17279), (517, 17417), (521, 17435), (551, 17525), (564, 17552), (578, 17585), (604, 17657), (622, 17711), (633, 17747), (640, 17771), (666, 17816), (676, 17849), (679, 17864), (685, 17882), (688, 17891), (707, 17966), (723, 18017), (725, 18023), (764, 18125), (809, 18251), (810, 18254), (817, 18272),

Gene: DARWIN_34 Start: 28167, Stop: 29765, Start Num: 183

Candidate Starts for DARWIN_34:

(Start: 183 @28167 has 8 MA's), (247, 28266), (270, 28335), (289, 28374), (337, 28509), (355, 28569), (397, 28695), (428, 28722), (435, 28734), (437, 28743), (438, 28746), (454, 28791), (458, 28806), (460, 28815), (463, 28824), (477, 28878), (482, 28896), (521, 28950), (602, 29166), (632, 29259), (686, 29367), (699, 29421), (722, 29496), (766, 29625), (812, 29751),

Gene: DATBOI_31 Start: 27896, Stop: 29605, Start Num: 153

Candidate Starts for DATBOI_31:

(Start: 153 @27896 has 5 MA's), (224, 27998), (298, 28181), (348, 28313), (358, 28343), (363, 28361), (402, 28484), (458, 28610), (459, 28616), (473, 28667), (477, 28682), (533, 28802), (545, 28835), (605, 29009), (629, 29075), (704, 29261), (707, 29273), (733, 29351), (756, 29405), (815, 29573), (818, 29597),

Gene: DEAD_P_16 Start: 14839, Stop: 16548, Start Num: 129

Candidate Starts for DEAD_P_16:

(Start: 129 @14839 has 207 MA's), (205, 14926), (Start: 232 @14971 has 2 MA's), (242, 14995), (279, 15100), (287, 15106), (294, 15124), (309, 15154), (347, 15259), (367, 15319), (375, 15337), (376, 15340), (379, 15349), (387, 15373), (432, 15499), (437, 15514), (439, 15520), (452, 15556), (453, 15559), (457, 15571), (458, 15577), (469, 15625), (474, 15637), (475, 15643), (517, 15703), (520, 15715), (531, 15751), (533, 15763), (565, 15838), (568, 15847), (575, 15865), (578, 15871), (590, 15901), (639, 16006), (643, 16015), (645, 16018), (659, 16054), (680, 16132), (706, 16231), (713, 16252), (723, 16285), (734, 16315), (743, 16345), (746, 16354), (748, 16360), (757, 16375), (758, 16378), (765, 16402), (782, 16432), (790, 16444), (797, 16474), (808, 16516),

Gene: Deb65_16 Start: 14805, Stop: 16514, Start Num: 129

Candidate Starts for Deb65_16:

(Start: 129 @14805 has 207 MA's), (205, 14892), (Start: 232 @14937 has 2 MA's), (242, 14961), (279, 15066), (287, 15072), (294, 15090), (309, 15120), (347, 15225), (367, 15285), (376, 15306), (379, 15315), (387, 15339), (432, 15465), (437, 15480), (439, 15486), (452, 15522), (453, 15525), (457, 15537), (458, 15543), (469, 15591), (474, 15603), (475, 15609), (517, 15669), (520, 15681), (531, 15717), (533, 15729), (565, 15804), (568, 15813), (575, 15831), (578, 15837), (590, 15867), (639, 15972), (645, 15984), (659, 16020), (680, 16098), (706, 16197), (713, 16218), (723, 16251), (734, 16281), (743, 16311), (746, 16320), (748, 16326), (757, 16341), (758, 16344), (764, 16365), (765, 16368), (790, 16410), (797, 16440), (808, 16482),

Gene: Deby_23 Start: 17122, Stop: 18888, Start Num: 120

Candidate Starts for Deby_23:

(Start: 120 @17122 has 139 MA's), (Start: 148 @17152 has 2 MA's), (245, 17311), (255, 17344), (265, 17374), (280, 17407), (287, 17419), (315, 17509), (333, 17551), (358, 17623), (360, 17632), (376, 17671), (390, 17716), (397, 17737), (398, 17740), (433, 17794), (439, 17812), (454, 17854), (456, 17860), (463, 17887), (517, 18025), (521, 18043), (533, 18085), (540, 18103), (551, 18133), (564, 18160), (604, 18265), (666, 18424), (677, 18460), (685, 18490), (688, 18499), (707, 18574), (723, 18625), (800, 18820), (809, 18859), (810, 18862), (817, 18880),

Gene: DeepSoil15_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for DeepSoil15_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574, 18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: DelRio_23 Start: 18352, Stop: 20058, Start Num: 172

Candidate Starts for DelRio_23:

(Start: 106 @18277 has 2 MA's), (Start: 172 @18352 has 16 MA's), (Start: 232 @18445 has 2 MA's), (237, 18460), (239, 18466), (264, 18541), (296, 18613), (332, 18724), (348, 18769), (353, 18787), (358, 18799), (437, 18970), (440, 18979), (443, 18985), (454, 19018), (470, 19081), (483, 19132), (504, 19156), (516, 19180), (537, 19255), (551, 19294), (602, 19426), (637, 19540), (676, 19627), (706, 19741), (709, 19750), (746, 19855), (783, 19942), (817, 20050),

Gene: Delian_19 Start: 16674, Stop: 18320, Start Num: 171

Candidate Starts for Delian_19:

(143, 16638), (Start: 171 @16674 has 46 MA's), (237, 16776), (260, 16848), (262, 16854), (265, 16857), (309, 16953), (319, 16992), (354, 17073), (375, 17127), (380, 17142), (433, 17238), (458, 17313), (467, 17343), (541, 17526), (549, 17550), (605, 17694), (612, 17706), (631, 17766), (677, 17898), (678, 17901), (704, 18000), (709, 18018), (725, 18069), (750, 18135), (772, 18198), (782, 18210),

Gene: Delrey21_34 Start: 30944, Stop: 32566, Start Num: 166

Candidate Starts for Delrey21_34:

(Start: 119 @30887 has 1 MA's), (Start: 166 @30944 has 18 MA's), (185, 30965), (230, 31028), (253, 31091), (274, 31151), (280, 31163), (315, 31250), (338, 31301), (347, 31331), (376, 31412), (385, 31439), (440, 31538), (451, 31568), (454, 31577), (464, 31613), (479, 31673), (517, 31721), (519, 31730), (550, 31829), (566, 31868), (572, 31880), (625, 32036), (629, 32048), (648, 32075), (676,

32132), (687, 32171), (689, 32180), (702, 32237), (705, 32249), (720, 32297), (723, 32306), (725, 32312), (733, 32333), (761, 32411), (810, 32549),

Gene: Denise_17 Start: 14794, Stop: 16503, Start Num: 169

Candidate Starts for Denise_17:

(Start: 169 @14794 has 31 MA's), (238, 14911), (260, 14983), (261, 14986), (295, 15061), (309, 15100), (312, 15115), (327, 15157), (340, 15184), (370, 15274), (372, 15277), (410, 15409), (431, 15463), (455, 15544), (469, 15604), (472, 15610), (529, 15697), (556, 15769), (570, 15787), (585, 15826), (613, 15898), (614, 15901), (621, 15922), (701, 16156), (705, 16171), (710, 16186), (718, 16213), (749, 16306), (750, 16309), (764, 16357), (774, 16387), (786, 16399), (800, 16444),

Gene: Devera_23 Start: 17169, Stop: 18935, Start Num: 120

Candidate Starts for Devera_23:

(Start: 120 @17169 has 139 MA's), (Start: 148 @17199 has 2 MA's), (245, 17358), (255, 17391), (265, 17421), (280, 17454), (287, 17466), (315, 17556), (330, 17592), (333, 17598), (358, 17670), (360, 17679), (376, 17718), (390, 17763), (391, 17766), (397, 17784), (398, 17787), (439, 17859), (454, 17901), (456, 17907), (463, 17934), (472, 17970), (491, 18027), (517, 18072), (521, 18090), (540, 18150), (551, 18180), (564, 18207), (604, 18312), (633, 18402), (666, 18471), (677, 18507), (685, 18537), (688, 18546), (707, 18621), (723, 18672), (761, 18771), (786, 18822), (809, 18906), (810, 18909), (817, 18927),

Gene: Dewey_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Dewey_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574, 18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: Dextert_33 Start: 27970, Stop: 29589, Start Num: 168

Candidate Starts for Dextert_33:

(Start: 168 @27970 has 11 MA's), (185, 27991), (230, 28054), (274, 28177), (280, 28189), (308, 28246), (338, 28324), (380, 28447), (440, 28561), (451, 28591), (463, 28633), (479, 28696), (517, 28744), (519, 28753), (533, 28804), (550, 28852), (612, 29017), (622, 29047), (676, 29155), (677, 29158), (689, 29203), (702, 29260), (704, 29266), (705, 29272), (720, 29320), (723, 29329), (725, 29335), (726, 29338), (746, 29389), (761, 29434), (791, 29503), (805, 29551), (808, 29563),

Gene: DillTech15_16 Start: 14841, Stop: 16550, Start Num: 129

Candidate Starts for DillTech15_16:

(Start: 129 @14841 has 207 MA's), (205, 14928), (Start: 232 @14973 has 2 MA's), (242, 14997), (279, 15102), (287, 15108), (294, 15126), (309, 15156), (347, 15261), (364, 15315), (367, 15321), (371, 15330), (379, 15351), (387, 15375), (396, 15411), (398, 15417), (406, 15450), (407, 15453), (411, 15462), (424, 15477), (425, 15483), (432, 15501), (437, 15516), (439, 15522), (446, 15540), (447, 15543), (452, 15558), (457, 15573), (458, 15579), (469, 15627), (474, 15639), (475, 15645), (517, 15705), (520, 15717), (531, 15753), (533, 15765), (565, 15840), (568, 15849), (575, 15867), (578, 15873), (639, 16008), (645, 16020), (659, 16056), (713, 16254), (723, 16287), (734, 16317), (743, 16347), (746, 16356), (748, 16362), (757, 16377), (758, 16380), (764, 16401), (765, 16404), (790, 16446), (797, 16476), (808, 16518), (809, 16524),

Gene: Diminimus_29 Start: 22367, Stop: 24103, Start Num: 114

Candidate Starts for Diminimus_29:

(51, 22145), (Start: 86 @22325 has 4 MA's), (Start: 93 @22340 has 2 MA's), (Start: 114 @22367 has 15 MA's), (132, 22382), (Start: 167 @22421 has 53 MA's), (188, 22451), (191, 22457), (201, 22469), (257, 22574), (261, 22589), (280, 22628), (327, 22751), (331, 22760), (362, 22856), (379, 22898), (380, 22901), (458, 23078), (496, 23189), (517, 23216), (536, 23288), (539, 23297), (540, 23300), (544, 23312), (586, 23432), (587, 23435), (601, 23477), (612, 23507), (614, 23513), (670, 23633), (672, 23639), (785, 23993), (794, 24020), (800, 24038), (802, 24047),

Gene: DirkDirk_18 Start: 16739, Stop: 18508, Start Num: 98

Candidate Starts for DirkDirk_18:

(Start: 70 @16676 has 1 MA's), (80, 16697), (85, 16712), (Start: 98 @16739 has 41 MA's), (174, 16832), (Start: 207 @16880 has 1 MA's), (210, 16886), (236, 16913), (239, 16922), (261, 16994), (266, 17003), (278, 17027), (285, 17042), (295, 17072), (344, 17198), (346, 17207), (352, 17228), (357, 17243), (382, 17312), (393, 17348), (404, 17369), (447, 17438), (458, 17477), (517, 17615), (520, 17627), (543, 17702), (545, 17708), (550, 17726), (563, 17765), (575, 17798), (579, 17807), (583, 17816), (586, 17825), (628, 17948), (638, 17984), (672, 18032), (675, 18044), (689, 18098), (715, 18194), (720, 18212), (722, 18218), (723, 18221), (736, 18254), (744, 18278), (764, 18341), (779, 18383), (794, 18422), (800, 18440), (805, 18461), (810, 18482),

Gene: DirtMcgirt_17 Start: 14762, Stop: 16339, Start Num: 232

Candidate Starts for DirtMcgirt_17:

(Start: 129 @14630 has 207 MA's), (205, 14717), (Start: 232 @14762 has 2 MA's), (242, 14786), (258, 14843), (279, 14891), (287, 14897), (294, 14915), (309, 14945), (347, 15050), (364, 15104), (367, 15110), (371, 15119), (376, 15131), (379, 15140), (387, 15164), (396, 15200), (398, 15206), (401, 15218), (406, 15239), (407, 15242), (411, 15251), (424, 15266), (425, 15272), (432, 15290), (437, 15305), (439, 15311), (446, 15329), (447, 15332), (452, 15347), (457, 15362), (458, 15368), (467, 15398), (469, 15416), (474, 15428), (475, 15434), (517, 15494), (520, 15506), (531, 15542), (533, 15554), (541, 15575), (565, 15629), (568, 15638), (578, 15662), (590, 15692), (639, 15797), (645, 15809), (659, 15845), (671, 15884), (680, 15923), (706, 16022), (713, 16043), (723, 16076), (734, 16106), (743, 16136), (746, 16145), (748, 16151), (757, 16166), (758, 16169), (764, 16190), (765, 16193), (790, 16235), (797, 16265), (808, 16307), (809, 16313),

Gene: DismalFunk_19 Start: 15013, Stop: 16782, Start Num: 117

Candidate Starts for DismalFunk_19:

(Start: 95 @14977 has 1 MA's), (Start: 111 @15007 has 26 MA's), (Start: 117 @15013 has 41 MA's), (Start: 142 @15028 has 43 MA's), (177, 15070), (210, 15118), (Start: 232 @15157 has 2 MA's), (237, 15172), (255, 15223), (265, 15253), (280, 15286), (287, 15298), (295, 15316), (315, 15388), (317, 15394), (353, 15490), (358, 15502), (393, 15604), (398, 15619), (416, 15655), (439, 15691), (456, 15739), (467, 15778), (472, 15802), (475, 15814), (517, 15904), (519, 15913), (604, 16159), (622, 16213), (637, 16267), (685, 16381), (688, 16390), (707, 16465), (723, 16516), (725, 16522), (757, 16603), (761, 16618), (789, 16672), (809, 16753), (817, 16774),

Gene: DismalStressor_19 Start: 15013, Stop: 16782, Start Num: 117

Candidate Starts for DismalStressor_19:

(Start: 95 @14977 has 1 MA's), (Start: 111 @15007 has 26 MA's), (Start: 117 @15013 has 41 MA's), (Start: 142 @15028 has 43 MA's), (177, 15070), (210, 15118), (Start: 232 @15157 has 2 MA's), (237, 15172), (255, 15223), (265, 15253), (280, 15286), (287, 15298), (295, 15316), (315, 15388), (317, 15394), (353, 15490), (358, 15502), (393, 15604), (398, 15619), (416, 15655), (439, 15691), (456, 15739), (467, 15778), (472, 15802), (475, 15814), (517, 15904), (519, 15913), (604, 16159), (622, 16213), (637, 16267), (685, 16381), (688, 16390), (707, 16465), (723, 16516), (725, 16522), (757, 16603), (761, 16618), (789, 16672), (809, 16753), (817, 16774),

Gene: DmpstrDiver_35 Start: 27492, Stop: 29490, Start Num: 131

Candidate Starts for DmpstrDiver_35:

(Start: 131 @27492 has 77 MA's), (Start: 203 @27582 has 47 MA's), (229, 27630), (242, 27660), (251, 27687), (295, 27789), (310, 27819), (325, 27870), (345, 27918), (355, 27954), (357, 27960), (365, 27981), (390, 28053), (393, 28062), (398, 28083), (439, 28191), (440, 28194), (446, 28209), (458, 28248), (469, 28296), (474, 28308), (475, 28314), (506, 28362), (511, 28371), (518, 28392), (522, 28410), (536, 28458), (575, 28560), (602, 28632), (615, 28677), (616, 28689), (617, 28824), (618, 28830), (619, 28854), (630, 28926), (637, 28953), (714, 29202),

Gene: DoRead_16 Start: 14774, Stop: 16483, Start Num: 129

Candidate Starts for DoRead_16:

(Start: 129 @14774 has 207 MA's), (205, 14861), (Start: 232 @14906 has 2 MA's), (242, 14930), (279, 15035), (287, 15041), (294, 15059), (309, 15089), (347, 15194), (367, 15254), (371, 15263), (375, 15272), (376, 15275), (379, 15284), (385, 15302), (387, 15308), (406, 15383), (432, 15434), (437, 15449), (439, 15455), (452, 15491), (453, 15494), (457, 15506), (458, 15512), (469, 15560), (474, 15572), (475, 15578), (517, 15638), (520, 15650), (531, 15686), (533, 15698), (565, 15773), (568, 15782), (575, 15800), (578, 15806), (590, 15836), (639, 15941), (643, 15950), (645, 15953), (659, 15989), (680, 16067), (706, 16166), (713, 16187), (723, 16220), (734, 16250), (743, 16280), (746, 16289), (748, 16295), (757, 16310), (758, 16313), (765, 16337), (782, 16367), (790, 16379), (797, 16409), (808, 16451),

Gene: DobbysSock_19 Start: 16820, Stop: 18400, Start Num: 167

Candidate Starts for DobbysSock_19:

(83, 16703), (Start: 167 @16820 has 53 MA's), (302, 17078), (310, 17099), (327, 17153), (344, 17192), (361, 17249), (370, 17270), (456, 17441), (460, 17459), (468, 17483), (472, 17504), (513, 17546), (543, 17627), (584, 17717), (621, 17819), (622, 17822), (637, 17876), (729, 18146), (761, 18245), (764, 18254), (774, 18284),

Gene: DocMcStuffins_17 Start: 14677, Stop: 16386, Start Num: 129

Candidate Starts for DocMcStuffins_17:

(Start: 129 @14677 has 207 MA's), (205, 14764), (Start: 232 @14809 has 2 MA's), (242, 14833), (279, 14938), (287, 14944), (294, 14962), (297, 14971), (309, 14992), (347, 15097), (367, 15157), (371, 15166), (376, 15178), (379, 15187), (387, 15211), (396, 15247), (398, 15253), (401, 15265), (406, 15286), (407, 15289), (411, 15298), (424, 15313), (425, 15319), (432, 15337), (437, 15352), (439, 15358), (446, 15376), (447, 15379), (452, 15394), (457, 15409), (458, 15415), (469, 15463), (474, 15475), (475, 15481), (517, 15541), (520, 15553), (522, 15562), (531, 15589), (533, 15601), (565, 15676), (568, 15685), (575, 15703), (578, 15709), (590, 15739), (639, 15844), (643, 15853), (645, 15856), (659, 15892), (680, 15970), (706, 16069), (713, 16090), (723, 16123), (734, 16153), (743, 16183), (745, 16189), (746, 16192), (748, 16198), (757, 16213), (758, 16216), (764, 16237), (765, 16240), (790, 16282), (808, 16354), (809, 16360),

Gene: DoctorDiddles_24 Start: 18992, Stop: 20587, Start Num: 203

Candidate Starts for DoctorDiddles_24:

(Start: 137 @18908 has 79 MA's), (Start: 203 @18992 has 47 MA's), (Start: 244 @19070 has 1 MA's), (274, 19157), (287, 19172), (309, 19220), (321, 19259), (353, 19346), (365, 19379), (379, 19415), (388, 19445), (390, 19451), (409, 19520), (435, 19550), (438, 19562), (439, 19565), (458, 19622), (518, 19754), (519, 19760), (538, 19826), (541, 19832), (549, 19856), (568, 19904), (578, 19928), (582, 19937), (606, 20012), (643, 20063), (650, 20078), (698, 20240), (704, 20267), (713, 20297), (747, 20402), (786, 20480), (797, 20516), (800, 20525), (808, 20558), (813, 20573),

Gene: DoctorFroggo_34 Start: 30944, Stop: 32566, Start Num: 166

Candidate Starts for DoctorFroggo_34:

(Start: 119 @30887 has 1 MA's), (Start: 166 @30944 has 18 MA's), (185, 30965), (230, 31028), (253, 31091), (274, 31151), (280, 31163), (315, 31250), (338, 31301), (347, 31331), (376, 31412), (385,

31439), (440, 31538), (451, 31568), (454, 31577), (464, 31613), (479, 31673), (517, 31721), (519, 31730), (550, 31829), (566, 31868), (572, 31880), (625, 32036), (629, 32048), (648, 32075), (676, 32132), (687, 32171), (689, 32180), (702, 32237), (705, 32249), (720, 32297), (723, 32306), (725, 32312), (733, 32333), (761, 32411), (810, 32549),

Gene: Dogfish_21 Start: 18185, Stop: 19831, Start Num: 164

Candidate Starts for Dogfish_21:

(Start: 164 @18185 has 4 MA's), (228, 18275), (237, 18299), (239, 18305), (266, 18383), (297, 18449), (299, 18455), (333, 18566), (339, 18575), (346, 18602), (349, 18611), (355, 18632), (437, 18803), (438, 18806), (459, 18872), (464, 18887), (478, 18941), (496, 18971), (511, 18980), (524, 19022), (531, 19043), (546, 19091), (550, 19103), (559, 19130), (587, 19199), (611, 19268), (622, 19301), (652, 19358), (677, 19409), (696, 19478), (720, 19565), (725, 19580), (747, 19637), (750, 19646), (783, 19724), (789, 19730),

Gene: Dole_23 Start: 17171, Stop: 18937, Start Num: 120

Candidate Starts for Dole_23:

(Start: 120 @17171 has 139 MA's), (Start: 148 @17201 has 2 MA's), (245, 17360), (255, 17393), (265, 17423), (280, 17456), (287, 17468), (315, 17558), (330, 17594), (333, 17600), (358, 17672), (360, 17681), (376, 17720), (390, 17765), (391, 17768), (397, 17786), (398, 17789), (439, 17861), (454, 17903), (456, 17909), (463, 17936), (472, 17972), (491, 18029), (517, 18074), (521, 18092), (540, 18152), (551, 18182), (564, 18209), (604, 18314), (633, 18404), (666, 18473), (677, 18509), (685, 18539), (688, 18548), (707, 18623), (723, 18674), (761, 18773), (786, 18824), (809, 18908), (810, 18911), (817, 18929),

Gene: Dolores_20 Start: 17322, Stop: 18902, Start Num: 167

Candidate Starts for Dolores_20:

(83, 17205), (Start: 167 @17322 has 53 MA's), (302, 17580), (310, 17601), (327, 17655), (344, 17694), (361, 17751), (370, 17772), (456, 17943), (460, 17961), (468, 17985), (472, 18006), (513, 18048), (543, 18129), (584, 18219), (602, 18264), (621, 18321), (622, 18324), (637, 18378), (680, 18468), (761, 18747), (764, 18756), (774, 18786),

Gene: DonkeyMan_18 Start: 14949, Stop: 16565, Start Num: 160

Candidate Starts for DonkeyMan_18:

(Start: 160 @14949 has 11 MA's), (230, 15048), (238, 15072), (280, 15183), (284, 15186), (292, 15204), (295, 15213), (319, 15279), (326, 15294), (330, 15303), (333, 15309), (358, 15381), (363, 15399), (384, 15453), (387, 15462), (422, 15516), (439, 15552), (440, 15555), (472, 15663), (514, 15735), (517, 15741), (519, 15750), (524, 15768), (553, 15858), (602, 15972), (605, 15990), (612, 16002), (638, 16068), (670, 16116), (673, 16128), (676, 16140), (681, 16161), (685, 16173), (689, 16188), (698, 16218), (706, 16254), (773, 16443), (801, 16506), (806, 16527), (813, 16551),

Gene: Donkeykong_16 Start: 14982, Stop: 16691, Start Num: 129

Candidate Starts for Donkeykong_16:

(Start: 129 @14982 has 207 MA's), (205, 15069), (Start: 232 @15114 has 2 MA's), (242, 15138), (258, 15195), (279, 15243), (287, 15249), (294, 15267), (309, 15297), (347, 15402), (367, 15462), (371, 15471), (379, 15492), (387, 15516), (398, 15558), (406, 15591), (411, 15603), (424, 15618), (425, 15624), (432, 15642), (437, 15657), (439, 15663), (452, 15699), (457, 15714), (458, 15720), (469, 15768), (474, 15780), (475, 15786), (517, 15846), (520, 15858), (531, 15894), (533, 15906), (565, 15981), (568, 15990), (575, 16008), (578, 16014), (590, 16044), (639, 16149), (643, 16158), (645, 16161), (659, 16197), (680, 16275), (706, 16374), (713, 16395), (723, 16428), (734, 16458), (743, 16488), (746, 16497), (748, 16503), (757, 16518), (758, 16521), (765, 16545), (782, 16575), (790, 16587), (797, 16617), (808, 16659),

Gene: Donovan_19 Start: 16374, Stop: 18110, Start Num: 125

Candidate Starts for Donovan_19:

(Start: 106 @16350 has 2 MA's), (Start: 125 @16374 has 46 MA's), (175, 16434), (189, 16455), (190, 16458), (253, 16578), (265, 16617), (280, 16650), (295, 16674), (342, 16794), (353, 16833), (355, 16839), (385, 16923), (387, 16929), (390, 16941), (396, 16965), (403, 16992), (409, 17010), (429, 17049), (432, 17055), (440, 17079), (458, 17133), (461, 17145), (464, 17154), (479, 17214), (522, 17292), (533, 17331), (545, 17364), (568, 17430), (574, 17445), (578, 17454), (587, 17478), (597, 17508), (602, 17520), (656, 17622), (662, 17634), (663, 17637), (664, 17643), (665, 17652), (696, 17760), (719, 17844), (752, 17943), (800, 18051), (813, 18099),

Gene: Doomphist_16 Start: 14940, Stop: 16649, Start Num: 129

Candidate Starts for Doomphist_16:

(Start: 129 @14940 has 207 MA's), (Start: 232 @15072 has 2 MA's), (242, 15096), (279, 15201), (287, 15207), (294, 15225), (309, 15255), (347, 15360), (367, 15420), (376, 15441), (379, 15450), (387, 15474), (406, 15549), (432, 15600), (437, 15615), (439, 15621), (452, 15657), (453, 15660), (457, 15672), (458, 15678), (469, 15726), (474, 15738), (475, 15744), (517, 15804), (520, 15816), (531, 15852), (533, 15864), (565, 15939), (568, 15948), (575, 15966), (578, 15972), (590, 16002), (639, 16107), (645, 16119), (659, 16155), (680, 16233), (706, 16332), (713, 16353), (723, 16386), (734, 16416), (743, 16446), (745, 16452), (746, 16455), (748, 16461), (757, 16476), (758, 16479), (764, 16500), (765, 16503), (790, 16545), (808, 16617), (809, 16623),

Gene: Dorito_19 Start: 16822, Stop: 18402, Start Num: 167

Candidate Starts for Dorito_19:

(11, 16045), (20, 16201), (36, 16396), (40, 16432), (41, 16435), (47, 16519), (49, 16525), (63, 16651), (83, 16705), (Start: 167 @16822 has 53 MA's), (266, 16993), (302, 17080), (309, 17098), (310, 17101), (327, 17155), (344, 17194), (361, 17251), (370, 17272), (456, 17443), (460, 17461), (468, 17485), (472, 17506), (513, 17548), (543, 17629), (584, 17719), (621, 17821), (637, 17878), (680, 17968), (761, 18247), (764, 18256), (774, 18286),

Gene: Dorothy_16 Start: 14766, Stop: 16475, Start Num: 129

Candidate Starts for Dorothy_16:

(Start: 129 @14766 has 207 MA's), (Start: 232 @14898 has 2 MA's), (242, 14922), (279, 15027), (287, 15033), (294, 15051), (309, 15081), (347, 15186), (367, 15246), (376, 15267), (379, 15276), (387, 15300), (432, 15426), (437, 15441), (439, 15447), (452, 15483), (453, 15486), (457, 15498), (458, 15504), (469, 15552), (474, 15564), (475, 15570), (517, 15630), (520, 15642), (531, 15678), (533, 15690), (565, 15765), (568, 15774), (575, 15792), (578, 15798), (590, 15828), (639, 15933), (643, 15942), (645, 15945), (659, 15981), (680, 16059), (706, 16158), (713, 16179), (723, 16212), (734, 16242), (743, 16272), (746, 16281), (748, 16287), (757, 16302), (758, 16305), (764, 16326), (765, 16329), (790, 16371), (797, 16401), (808, 16443),

Gene: DosHalletts_17 Start: 14741, Stop: 16450, Start Num: 129

Candidate Starts for DosHalletts_17:

(Start: 129 @14741 has 207 MA's), (Start: 232 @14873 has 2 MA's), (242, 14897), (266, 14975), (279, 15002), (287, 15008), (294, 15026), (309, 15056), (347, 15161), (367, 15221), (376, 15242), (379, 15251), (387, 15275), (398, 15317), (406, 15350), (411, 15362), (424, 15377), (432, 15401), (437, 15416), (439, 15422), (452, 15458), (457, 15473), (458, 15479), (469, 15527), (474, 15539), (475, 15545), (517, 15605), (520, 15617), (531, 15653), (533, 15665), (565, 15740), (568, 15749), (575, 15767), (578, 15773), (590, 15803), (639, 15908), (643, 15917), (645, 15920), (659, 15956), (680, 16034), (706, 16133), (713, 16154), (723, 16187), (734, 16217), (742, 16244), (743, 16247), (746, 16256), (748, 16262), (757, 16277), (758, 16280), (764, 16301), (765, 16304), (768, 16313), (790, 16346), (797, 16376), (808, 16418),

Gene: DotProduct_16 Start: 14816, Stop: 16525, Start Num: 129

Candidate Starts for DotProduct_16:

(Start: 129 @14816 has 207 MA's), (205, 14903), (Start: 232 @14948 has 2 MA's), (242, 14972), (248, 14993), (279, 15077), (287, 15083), (294, 15101), (309, 15131), (347, 15236), (367, 15296), (371, 15305), (376, 15317), (379, 15326), (387, 15350), (406, 15425), (407, 15428), (424, 15452), (425, 15458), (432, 15476), (437, 15491), (439, 15497), (446, 15515), (447, 15518), (452, 15533), (453, 15536), (457, 15548), (458, 15554), (467, 15584), (469, 15602), (474, 15614), (475, 15620), (517, 15680), (520, 15692), (531, 15728), (533, 15740), (541, 15761), (565, 15815), (568, 15824), (578, 15848), (590, 15878), (639, 15983), (643, 15992), (645, 15995), (659, 16031), (671, 16070), (680, 16109), (706, 16208), (713, 16229), (723, 16262), (734, 16292), (743, 16322), (746, 16331), (748, 16337), (757, 16352), (758, 16355), (764, 16376), (765, 16379), (790, 16421), (797, 16451), (808, 16493), (809, 16499),

Gene: Doug_17 Start: 15357, Stop: 17066, Start Num: 129

Candidate Starts for Doug_17:

(Start: 129 @15357 has 207 MA's), (205, 15444), (Start: 232 @15489 has 2 MA's), (242, 15513), (279, 15618), (287, 15624), (294, 15642), (309, 15672), (347, 15777), (367, 15837), (376, 15858), (379, 15867), (387, 15891), (432, 16017), (437, 16032), (439, 16038), (452, 16074), (453, 16077), (457, 16089), (458, 16095), (469, 16143), (474, 16155), (475, 16161), (517, 16221), (520, 16233), (531, 16269), (533, 16281), (541, 16302), (565, 16356), (568, 16365), (575, 16383), (578, 16389), (639, 16524), (645, 16536), (659, 16572), (680, 16650), (706, 16749), (713, 16770), (723, 16803), (734, 16833), (743, 16863), (745, 16869), (746, 16872), (748, 16878), (757, 16893), (758, 16896), (764, 16917), (765, 16920), (790, 16962), (808, 17034),

Gene: Douge_18 Start: 16581, Stop: 18344, Start Num: 98

Candidate Starts for Douge_18:

(Start: 98 @16581 has 41 MA's), (210, 16722), (261, 16830), (262, 16833), (343, 17031), (344, 17034), (347, 17046), (353, 17067), (390, 17175), (404, 17205), (458, 17313), (468, 17346), (469, 17361), (476, 17382), (543, 17538), (563, 17601), (579, 17643), (583, 17652), (601, 17706), (614, 17742), (672, 17868), (679, 17901), (706, 18003), (709, 18012), (715, 18030), (723, 18057), (744, 18114), (757, 18153), (764, 18177), (777, 18213), (785, 18228), (794, 18258), (802, 18285), (805, 18297), (810, 18318),

Gene: Doughnut_19 Start: 15033, Stop: 16802, Start Num: 117

Candidate Starts for Doughnut_19:

(Start: 95 @14997 has 1 MA's), (Start: 111 @15027 has 26 MA's), (Start: 117 @15033 has 41 MA's), (Start: 142 @15048 has 43 MA's), (177, 15090), (210, 15138), (Start: 232 @15177 has 2 MA's), (237, 15192), (255, 15243), (265, 15273), (280, 15306), (287, 15318), (295, 15336), (315, 15408), (317, 15414), (353, 15510), (358, 15522), (391, 15618), (439, 15711), (446, 15729), (454, 15753), (456, 15759), (467, 15798), (472, 15822), (475, 15834), (517, 15924), (519, 15933), (534, 15987), (545, 16017), (586, 16128), (604, 16179), (637, 16287), (685, 16401), (688, 16410), (707, 16485), (723, 16536), (725, 16542), (761, 16638), (789, 16692), (809, 16773), (817, 16794),

Gene: Douzhi_18 Start: 16572, Stop: 18335, Start Num: 98

Candidate Starts for Douzhi_18:

(Start: 98 @16572 has 41 MA's), (210, 16713), (261, 16821), (262, 16824), (343, 17022), (344, 17025), (347, 17037), (353, 17058), (390, 17166), (404, 17196), (458, 17304), (468, 17337), (469, 17352), (476, 17373), (543, 17529), (563, 17592), (579, 17634), (583, 17643), (587, 17655), (601, 17697), (614, 17733), (672, 17859), (679, 17892), (706, 17994), (709, 18003), (715, 18021), (723, 18048), (744, 18105), (757, 18144), (764, 18168), (777, 18204), (785, 18219), (794, 18249), (802, 18276), (805, 18288), (810, 18309),

Gene: Dove_34 Start: 26623, Stop: 28356, Start Num: 131

Candidate Starts for Dove_34:

(Start: 131 @26623 has 77 MA's), (Start: 203 @26713 has 47 MA's), (229, 26761), (242, 26791), (251, 26818), (295, 26920), (310, 26950), (345, 27049), (355, 27085), (357, 27091), (365, 27112), (390, 27184), (393, 27193), (398, 27214), (425, 27283), (439, 27322), (440, 27325), (446, 27340), (458, 27379), (469, 27427), (474, 27439), (475, 27445), (506, 27493), (511, 27502), (518, 27523), (522, 27541), (536, 27589), (575, 27691), (597, 27751), (602, 27763), (650, 27847), (655, 27859), (656, 27865), (662, 27877), (663, 27880), (673, 27919), (678, 27937), (688, 27973), (689, 27979), (713, 28066), (742, 28156), (761, 28198), (767, 28216), (783, 28246), (798, 28288), (813, 28342),

Gene: DrDrey_25 Start: 20238, Stop: 21917, Start Num: 137

Candidate Starts for DrDrey_25:

(Start: 137 @20238 has 79 MA's), (Start: 203 @20322 has 47 MA's), (Start: 244 @20400 has 1 MA's), (274, 20487), (287, 20502), (309, 20550), (321, 20589), (353, 20676), (365, 20709), (379, 20745), (388, 20775), (390, 20781), (409, 20850), (435, 20880), (438, 20892), (439, 20895), (458, 20952), (518, 21084), (519, 21090), (538, 21156), (541, 21162), (549, 21186), (568, 21234), (578, 21258), (582, 21267), (606, 21342), (643, 21393), (650, 21408), (698, 21570), (704, 21597), (713, 21627), (747, 21732), (786, 21810), (797, 21846), (800, 21855), (808, 21888), (813, 21903),

Gene: DrHayes_23 Start: 17102, Stop: 18868, Start Num: 120

Candidate Starts for DrHayes_23:

(Start: 120 @17102 has 139 MA's), (Start: 148 @17132 has 2 MA's), (245, 17291), (255, 17324), (265, 17354), (280, 17387), (287, 17399), (315, 17489), (333, 17531), (358, 17603), (360, 17612), (376, 17651), (390, 17696), (398, 17720), (439, 17792), (454, 17834), (456, 17840), (463, 17867), (517, 18005), (521, 18023), (533, 18065), (551, 18113), (564, 18140), (604, 18245), (633, 18335), (677, 18440), (685, 18470), (688, 18479), (707, 18554), (723, 18605), (800, 18800), (809, 18839), (810, 18842), (817, 18860),

Gene: DrSeegs_18 Start: 16989, Stop: 18722, Start Num: 131

Candidate Starts for DrSeegs_18:

(Start: 131 @16989 has 77 MA's), (188, 17058), (261, 17199), (262, 17202), (285, 17247), (296, 17280), (299, 17289), (312, 17325), (334, 17379), (344, 17406), (347, 17418), (362, 17469), (365, 17475), (378, 17508), (451, 17661), (458, 17685), (460, 17694), (472, 17739), (476, 17754), (517, 17832), (553, 17952), (575, 18015), (601, 18087), (614, 18123), (670, 18243), (672, 18249), (675, 18261), (691, 18324), (715, 18411), (723, 18438), (748, 18507), (754, 18522), (757, 18534), (764, 18558), (794, 18636),

Gene: Drago_17 Start: 14628, Stop: 16337, Start Num: 129

Candidate Starts for Drago_17:

(Start: 129 @14628 has 207 MA's), (205, 14715), (Start: 232 @14760 has 2 MA's), (242, 14784), (258, 14841), (279, 14889), (287, 14895), (294, 14913), (309, 14943), (347, 15048), (364, 15102), (367, 15108), (371, 15117), (376, 15129), (379, 15138), (387, 15162), (396, 15198), (398, 15204), (401, 15216), (406, 15237), (407, 15240), (411, 15249), (424, 15264), (425, 15270), (432, 15288), (437, 15303), (439, 15309), (446, 15327), (447, 15330), (452, 15345), (457, 15360), (458, 15366), (467, 15396), (469, 15414), (474, 15426), (475, 15432), (517, 15492), (520, 15504), (531, 15540), (533, 15552), (541, 15573), (565, 15627), (568, 15636), (578, 15660), (590, 15690), (639, 15795), (645, 15807), (659, 15843), (671, 15882), (680, 15921), (706, 16020), (713, 16041), (723, 16074), (734, 16104), (743, 16134), (746, 16143), (748, 16149), (757, 16164), (758, 16167), (764, 16188), (765, 16191), (790, 16233), (797, 16263), (808, 16305), (809, 16311),

Gene: Dre3_18 Start: 15938, Stop: 17629, Start Num: 154

Candidate Starts for Dre3_18:

(Start: 154 @15938 has 33 MA's), (Start: 232 @16052 has 2 MA's), (245, 16085), (317, 16286), (334, 16322), (362, 16409), (398, 16511), (432, 16544), (436, 16556), (437, 16559), (454, 16616), (463, 16649), (468, 16664), (474, 16691), (484, 16730), (516, 16766), (518, 16772), (535, 16826), (543,

16850), (555, 16889), (557, 16895), (586, 16967), (591, 16985), (594, 16994), (599, 17003), (620, 17060), (624, 17078), (677, 17189), (679, 17201), (684, 17216), (688, 17228), (706, 17300), (707, 17303), (739, 17399), (748, 17426), (754, 17450), (759, 17468),

Gene: Dulcita_29 Start: 22367, Stop: 24103, Start Num: 114

Candidate Starts for Dulcita_29:

(51, 22145), (Start: 86 @22325 has 4 MA's), (Start: 93 @22340 has 2 MA's), (Start: 114 @22367 has 15 MA's), (132, 22382), (Start: 167 @22421 has 53 MA's), (188, 22451), (191, 22457), (201, 22469), (257, 22574), (261, 22589), (280, 22628), (327, 22751), (331, 22760), (362, 22856), (379, 22898), (380, 22901), (458, 23078), (496, 23189), (517, 23216), (536, 23288), (539, 23297), (540, 23300), (544, 23312), (586, 23432), (587, 23435), (601, 23477), (612, 23507), (614, 23513), (670, 23633), (672, 23639), (785, 23993), (794, 24020), (800, 24038), (802, 24047),

Gene: Dumbo_24 Start: 19297, Stop: 20892, Start Num: 203

Candidate Starts for Dumbo_24:

(Start: 137 @19213 has 79 MA's), (Start: 203 @19297 has 47 MA's), (Start: 244 @19375 has 1 MA's), (274, 19462), (287, 19477), (309, 19525), (321, 19564), (353, 19651), (365, 19684), (379, 19720), (388, 19750), (390, 19756), (409, 19825), (435, 19855), (438, 19867), (439, 19870), (458, 19927), (518, 20059), (519, 20065), (538, 20131), (541, 20137), (549, 20161), (568, 20209), (578, 20233), (582, 20242), (606, 20317), (643, 20368), (650, 20383), (698, 20545), (704, 20572), (713, 20602), (747, 20707), (786, 20785), (797, 20821), (800, 20830), (808, 20863), (813, 20878),

Gene: DumpsterDude_19 Start: 16204, Stop: 17910, Start Num: 172

Candidate Starts for DumpsterDude_19:

(Start: 154 @16180 has 33 MA's), (Start: 172 @16204 has 16 MA's), (Start: 180 @16216 has 1 MA's), (213, 16264), (264, 16393), (267, 16399), (296, 16465), (333, 16579), (355, 16645), (358, 16651), (440, 16831), (443, 16837), (468, 16918), (516, 17032), (551, 17146), (564, 17179), (577, 17209), (578, 17212), (600, 17275), (602, 17278), (613, 17311), (676, 17479), (678, 17485), (704, 17584), (756, 17728), (817, 17902),

Gene: DuncansLeg_19 Start: 17373, Stop: 19136, Start Num: 98

Candidate Starts for DuncansLeg_19:

(Start: 98 @17373 has 41 MA's), (Start: 120 @17400 has 139 MA's), (174, 17463), (Start: 207 @17511 has 1 MA's), (210, 17517), (239, 17553), (262, 17628), (299, 17715), (344, 17829), (347, 17841), (385, 17952), (455, 18096), (458, 18108), (468, 18141), (543, 18330), (545, 18336), (563, 18393), (579, 18435), (583, 18444), (587, 18456), (613, 18531), (634, 18597), (638, 18612), (672, 18660), (709, 18804), (723, 18849), (740, 18894), (744, 18906), (764, 18969), (777, 19005), (785, 19020), (794, 19050), (796, 19056), (800, 19068), (802, 19077), (805, 19089),

Gene: Duplicity_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Duplicity_18:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249, 15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364, 15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406, 15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477, 15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589, 16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743, 16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: Durfee_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Durfee_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376,

17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Dusk_23 Start: 19405, Stop: 21084, Start Num: 137

Candidate Starts for Dusk_23:

(Start: 137 @19405 has 79 MA's), (Start: 203 @19489 has 47 MA's), (Start: 244 @19567 has 1 MA's), (274, 19654), (287, 19669), (309, 19717), (321, 19756), (353, 19843), (365, 19876), (379, 19912), (388, 19942), (390, 19948), (409, 20017), (435, 20047), (438, 20059), (439, 20062), (458, 20119), (518, 20251), (519, 20257), (538, 20323), (541, 20329), (549, 20353), (568, 20401), (578, 20425), (582, 20434), (606, 20509), (643, 20560), (650, 20575), (698, 20737), (704, 20764), (713, 20794), (747, 20899), (786, 20977), (797, 21013), (800, 21022), (808, 21055), (813, 21070),

Gene: Dusty_46 Start: 29340, Stop: 31031, Start Num: 152

Candidate Starts for Dusty_46:

(Start: 152 @29340 has 16 MA's), (193, 29400), (214, 29433), (Start: 232 @29463 has 2 MA's), (233, 29466), (296, 29625), (299, 29634), (348, 29763), (363, 29811), (458, 30024), (459, 30030), (467, 30054), (524, 30183), (531, 30204), (541, 30237), (605, 30435), (678, 30588), (704, 30687), (707, 30699), (710, 30708), (740, 30792), (798, 30939), (807, 30975),

Gene: Dylan_56 Start: 33569, Stop: 35305, Start Num: 109

Candidate Starts for Dylan_56:

(Start: 104 @33560 has 2 MA's), (Start: 109 @33569 has 26 MA's), (Start: 184 @33659 has 1 MA's), (248, 33776), (258, 33812), (266, 33833), (279, 33860), (287, 33866), (298, 33896), (311, 33920), (329, 33971), (379, 34109), (381, 34115), (395, 34166), (396, 34169), (401, 34187), (432, 34238), (439, 34259), (440, 34262), (452, 34295), (457, 34310), (458, 34316), (469, 34364), (472, 34370), (474, 34376), (507, 34436), (517, 34460), (518, 34463), (531, 34508), (534, 34523), (537, 34532), (541, 34541), (557, 34586), (568, 34604), (582, 34637), (645, 34775), (654, 34796), (674, 34862), (681, 34892), (696, 34946), (706, 34988), (713, 35009), (719, 35030), (723, 35042), (730, 35063), (748, 35117), (786, 35195), (797, 35231), (803, 35252), (809, 35279),

Gene: Dynamo_19 Start: 16394, Stop: 18130, Start Num: 125

Candidate Starts for Dynamo_19:

(Start: 106 @16370 has 2 MA's), (Start: 125 @16394 has 46 MA's), (175, 16454), (189, 16475), (190, 16478), (253, 16598), (265, 16637), (280, 16670), (295, 16694), (342, 16814), (353, 16853), (355, 16859), (385, 16943), (387, 16949), (390, 16961), (396, 16985), (403, 17012), (409, 17030), (429, 17069), (432, 17075), (440, 17099), (458, 17153), (461, 17165), (464, 17174), (479, 17234), (522, 17312), (533, 17351), (545, 17384), (568, 17450), (574, 17465), (578, 17474), (587, 17498), (597, 17528), (602, 17540), (656, 17642), (662, 17654), (663, 17657), (664, 17663), (665, 17672), (696, 17780), (719, 17864), (752, 17963), (800, 18071), (813, 18119),

Gene: DyoEdafos_19 Start: 16789, Stop: 18552, Start Num: 98

Candidate Starts for DyoEdafos_19:

(Start: 98 @16789 has 41 MA's), (210, 16930), (237, 16960), (261, 17038), (262, 17041), (343, 17239), (344, 17242), (347, 17254), (353, 17275), (390, 17383), (404, 17413), (458, 17521), (460, 17530), (468, 17554), (469, 17569), (476, 17590), (543, 17746), (563, 17809), (579, 17851), (583, 17860), (587, 17872), (614, 17950), (672, 18076), (674, 18085), (679, 18109), (706, 18211), (709, 18220), (715, 18238), (723, 18265), (744, 18322), (764, 18385), (777, 18421), (785, 18436), (794, 18466), (802, 18493), (805, 18505), (810, 18526),

Gene: ECartman_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for ECartman_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: EGUunicorn_19 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for EGUunicorn_19:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249, 15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364, 15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406, 15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477, 15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589, 16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743, 16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: EMoore_31 Start: 29511, Stop: 31136, Start Num: 166

Candidate Starts for EMoore_31:

(Start: 119 @29454 has 1 MA's), (Start: 166 @29511 has 18 MA's), (176, 29523), (199, 29556), (Start: 232 @29607 has 2 MA's), (274, 29724), (280, 29736), (313, 29811), (333, 29862), (338, 29871), (347, 29901), (385, 30009), (440, 30108), (451, 30138), (454, 30147), (463, 30180), (464, 30183), (479, 30243), (517, 30291), (537, 30363), (549, 30396), (550, 30399), (566, 30438), (582, 30477), (612, 30564), (613, 30567), (622, 30594), (648, 30645), (677, 30705), (689, 30750), (709, 30831), (720, 30867), (723, 30876), (726, 30885), (761, 30981), (800, 31077), (808, 31110), (813, 31125),

Gene: EMSquaredA_20 Start: 17566, Stop: 19272, Start Num: 147

Candidate Starts for EMSquaredA_20:

(Start: 125 @17542 has 46 MA's), (Start: 147 @17566 has 24 MA's), (224, 17671), (Start: 244 @17713 has 1 MA's), (271, 17788), (313, 17902), (362, 18049), (365, 18055), (382, 18100), (451, 18238), (471, 18313), (586, 18595), (592, 18616), (620, 18691), (657, 18778), (672, 18814), (679, 18847), (681, 18853), (699, 18919), (707, 18949), (757, 19105), (759, 19111), (764, 19129), (806, 19240),

Gene: Easley_20 Start: 17332, Stop: 18912, Start Num: 167

Candidate Starts for Easley_20:

(83, 17215), (Start: 167 @17332 has 53 MA's), (302, 17590), (310, 17611), (327, 17665), (344, 17704), (361, 17761), (370, 17782), (456, 17953), (460, 17971), (468, 17995), (472, 18016), (513, 18058), (543, 18139), (584, 18229), (621, 18331), (622, 18334), (637, 18388), (680, 18478), (761, 18757), (764, 18766), (774, 18796),

Gene: Easy2Say_26 Start: 21080, Stop: 22675, Start Num: 203

Candidate Starts for Easy2Say_26:

(Start: 137 @20996 has 79 MA's), (Start: 203 @21080 has 47 MA's), (Start: 244 @21158 has 1 MA's), (274, 21245), (287, 21260), (309, 21308), (321, 21347), (353, 21434), (365, 21467), (379, 21503), (388, 21533), (390, 21539), (409, 21608), (435, 21638), (438, 21650), (439, 21653), (458, 21710), (518, 21842), (519, 21848), (538, 21914), (541, 21920), (549, 21944), (568, 21992), (578, 22016), (582, 22025), (606, 22100), (643, 22151), (650, 22166), (698, 22328), (704, 22355), (713, 22385), (747, 22490), (786, 22568), (797, 22604), (800, 22613), (808, 22646), (813, 22661),

Gene: Ebert_17 Start: 14758, Stop: 16467, Start Num: 169

Candidate Starts for Ebert_17:

(Start: 169 @14758 has 31 MA's), (238, 14875), (295, 15025), (309, 15064), (312, 15079), (340, 15148), (344, 15160), (370, 15238), (372, 15241), (410, 15373), (431, 15427), (455, 15508), (469,

15568), (472, 15574), (474, 15580), (529, 15661), (543, 15697), (556, 15733), (570, 15751), (585, 15790), (613, 15862), (621, 15886), (701, 16120), (705, 16135), (718, 16177), (749, 16270), (750, 16273), (764, 16321), (774, 16351),

Gene: Ecliptus_24 Start: 18429, Stop: 20138, Start Num: 147

Candidate Starts for Ecliptus_24:

(Start: 147 @18429 has 24 MA's), (157, 18441), (159, 18444), (226, 18546), (Start: 244 @18582 has 1 MA's), (266, 18648), (318, 18792), (322, 18801), (331, 18819), (346, 18861), (348, 18867), (355, 18891), (362, 18915), (382, 18966), (384, 18972), (393, 19002), (433, 19044), (440, 19065), (443, 19071), (450, 19095), (463, 19146), (464, 19149), (471, 19179), (539, 19329), (550, 19365), (596, 19491), (620, 19557), (622, 19566), (628, 19587), (672, 19680), (677, 19701), (679, 19713), (681, 19719), (684, 19728), (685, 19731), (699, 19785), (707, 19815), (727, 19884), (757, 19971), (759, 19977), (776, 20028), (808, 20115), (814, 20133),

Gene: EdmundFerry_31 Start: 27556, Stop: 29175, Start Num: 168

Candidate Starts for EdmundFerry_31:

(Start: 168 @27556 has 11 MA's), (185, 27577), (230, 27640), (274, 27763), (280, 27775), (308, 27832), (338, 27910), (380, 28033), (440, 28147), (451, 28177), (463, 28219), (479, 28282), (517, 28330), (519, 28339), (533, 28390), (550, 28438), (612, 28603), (622, 28633), (676, 28741), (677, 28744), (689, 28789), (702, 28846), (704, 28852), (705, 28858), (720, 28906), (723, 28915), (725, 28921), (726, 28924), (746, 28975), (761, 29020), (791, 29089), (805, 29137), (808, 29149),

Gene: EdnaMode_17 Start: 14694, Stop: 16403, Start Num: 169

Candidate Starts for EdnaMode_17:

(Start: 169 @14694 has 31 MA's), (238, 14811), (260, 14883), (295, 14961), (340, 15084), (346, 15105), (370, 15174), (372, 15177), (388, 15234), (410, 15309), (431, 15363), (455, 15444), (469, 15504), (556, 15669), (570, 15687), (576, 15702), (585, 15726), (613, 15798), (614, 15801), (621, 15822), (701, 16056), (705, 16071), (718, 16113), (749, 16206), (750, 16209), (764, 16257), (774, 16287), (800, 16344),

Gene: Efra2_23 Start: 16364, Stop: 18130, Start Num: 120

Candidate Starts for Efra2_23:

(Start: 120 @16364 has 139 MA's), (Start: 125 @16370 has 46 MA's), (Start: 148 @16394 has 2 MA's), (245, 16553), (255, 16586), (265, 16616), (280, 16649), (287, 16661), (315, 16751), (333, 16793), (358, 16865), (360, 16874), (376, 16913), (390, 16958), (397, 16979), (398, 16982), (439, 17054), (454, 17096), (456, 17102), (463, 17129), (517, 17267), (521, 17285), (533, 17327), (540, 17345), (551, 17375), (604, 17507), (633, 17597), (677, 17702), (685, 17732), (707, 17816), (723, 17867), (761, 17966), (800, 18062), (809, 18101), (810, 18104), (817, 18122),

Gene: Ein37_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Ein37_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574, 18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: Eish_16 Start: 14946, Stop: 16655, Start Num: 129

Candidate Starts for Eish_16:

(Start: 129 @14946 has 207 MA's), (205, 15033), (Start: 232 @15078 has 2 MA's), (242, 15102), (279, 15207), (287, 15213), (294, 15231), (309, 15261), (347, 15366), (367, 15426), (371, 15435), (379, 15456), (387, 15480), (398, 15522), (406, 15555), (411, 15567), (432, 15606), (437, 15621), (439, 15627), (452, 15663), (457, 15678), (458, 15684), (467, 15714), (469, 15732), (474, 15744), (475, 15750), (517, 15810), (531, 15858), (533, 15870), (565, 15945), (568, 15954), (578, 15978), (590, 16008), (639, 16113), (645, 16125), (659, 16161), (680, 16239), (706, 16338), (713, 16359), (723, 16392), (734, 16422), (743, 16452), (746, 16461), (748, 16467), (757, 16482), (758, 16485), (764, 16506), (765, 16509), (790, 16551), (797, 16581), (808, 16623), (809, 16629),

Gene: Ejimix_37 Start: 28088, Stop: 30086, Start Num: 131

Candidate Starts for Ejimix_37:

(Start: 131 @28088 has 77 MA's), (Start: 203 @28178 has 47 MA's), (229, 28226), (242, 28256), (251, 28283), (295, 28385), (310, 28415), (325, 28466), (345, 28514), (355, 28550), (357, 28556), (365, 28577), (390, 28649), (393, 28658), (398, 28679), (439, 28787), (440, 28790), (446, 28805), (458, 28844), (469, 28892), (474, 28904), (475, 28910), (506, 28958), (511, 28967), (518, 28988), (522, 29006), (536, 29054), (575, 29156), (602, 29228), (615, 29273), (616, 29285), (617, 29420), (618, 29426), (619, 29450), (630, 29522), (637, 29549), (714, 29798),

Gene: Ekdilam_20 Start: 17331, Stop: 19106, Start Num: 111

Candidate Starts for Ekdilam_20:

(Start: 95 @17301 has 1 MA's), (Start: 111 @17331 has 26 MA's), (Start: 120 @17340 has 139 MA's), (Start: 148 @17370 has 2 MA's), (Start: 232 @17496 has 2 MA's), (237, 17511), (245, 17529), (255, 17562), (280, 17625), (287, 17637), (295, 17655), (315, 17727), (333, 17769), (360, 17850), (397, 17955), (398, 17958), (416, 17994), (439, 18030), (454, 18072), (456, 18078), (463, 18105), (521, 18261), (551, 18351), (564, 18378), (583, 18423), (604, 18483), (628, 18558), (635, 18582), (666, 18642), (677, 18678), (685, 18708), (707, 18792), (764, 18951), (809, 19077), (810, 19080), (817, 19098),

Gene: EleanorGeorge_16 Start: 14974, Stop: 16683, Start Num: 129

Candidate Starts for EleanorGeorge_16:

(Start: 129 @14974 has 207 MA's), (205, 15061), (Start: 232 @15106 has 2 MA's), (242, 15130), (279, 15235), (287, 15241), (294, 15259), (309, 15289), (347, 15394), (367, 15454), (376, 15475), (379, 15484), (385, 15502), (387, 15508), (432, 15634), (437, 15649), (439, 15655), (452, 15691), (453, 15694), (457, 15706), (458, 15712), (469, 15760), (474, 15772), (475, 15778), (517, 15838), (520, 15850), (531, 15886), (533, 15898), (565, 15973), (568, 15982), (575, 16000), (578, 16006), (590, 16036), (639, 16141), (643, 16150), (645, 16153), (659, 16189), (680, 16267), (706, 16366), (713, 16387), (723, 16420), (734, 16450), (743, 16480), (746, 16489), (748, 16495), (757, 16510), (758, 16513), (765, 16537), (782, 16567), (790, 16579), (797, 16609), (808, 16651),

Gene: Elinal_19 Start: 15418, Stop: 17112, Start Num: 154

Candidate Starts for Elinal_19:

(Start: 150 @15415 has 7 MA's), (Start: 154 @15418 has 33 MA's), (226, 15517), (Start: 244 @15559 has 1 MA's), (334, 15799), (362, 15886), (372, 15907), (375, 15916), (384, 15943), (398, 15988), (432, 16021), (437, 16036), (446, 16060), (454, 16093), (463, 16126), (467, 16138), (480, 16195), (500, 16225), (516, 16243), (525, 16273), (535, 16303), (555, 16366), (573, 16417), (587, 16453), (591, 16468), (599, 16486), (620, 16543), (622, 16552), (677, 16672), (679, 16684), (693, 16732), (706, 16783), (707, 16786), (713, 16804), (739, 16882), (748, 16909), (759, 16951), (810, 17098), (813, 17104),

Gene: Elliott_18 Start: 15729, Stop: 17429, Start Num: 150

Candidate Starts for Elliott_18:

(Start: 150 @15729 has 7 MA's), (Start: 154 @15732 has 33 MA's), (265, 15942), (313, 16065), (334, 16116), (362, 16203), (366, 16212), (375, 16233), (380, 16248), (384, 16260), (432, 16338), (436,

16350), (446, 16377), (454, 16410), (463, 16443), (467, 16455), (477, 16497), (535, 16620), (558, 16692), (587, 16770), (591, 16785), (599, 16803), (620, 16860), (666, 16953), (677, 16989), (679, 17001), (681, 17007), (685, 17019), (688, 17028), (706, 17100), (707, 17103), (709, 17109), (713, 17121), (731, 17181), (748, 17226), (751, 17235), (759, 17268), (790, 17334),

Gene: Elite2014_23 Start: 18953, Stop: 20632, Start Num: 137

Candidate Starts for Elite2014_23:

(Start: 137 @18953 has 79 MA's), (Start: 203 @19037 has 47 MA's), (Start: 244 @19115 has 1 MA's), (274, 19202), (287, 19217), (309, 19265), (321, 19304), (353, 19391), (365, 19424), (379, 19460), (388, 19490), (390, 19496), (409, 19565), (435, 19595), (438, 19607), (439, 19610), (458, 19667), (518, 19799), (519, 19805), (538, 19871), (541, 19877), (549, 19901), (568, 19949), (578, 19973), (582, 19982), (606, 20057), (643, 20108), (650, 20123), (698, 20285), (704, 20312), (713, 20342), (747, 20447), (786, 20525), (797, 20561), (800, 20570), (808, 20603), (813, 20618),

Gene: Ellie_20 Start: 17336, Stop: 19090, Start Num: 120

Candidate Starts for Ellie_20:

(Start: 95 @17297 has 1 MA's), (Start: 111 @17327 has 26 MA's), (Start: 117 @17333 has 41 MA's), (Start: 120 @17336 has 139 MA's), (Start: 142 @17348 has 43 MA's), (Start: 148 @17354 has 2 MA's), (Start: 232 @17480 has 2 MA's), (237, 17495), (255, 17546), (265, 17576), (280, 17609), (315, 17711), (330, 17747), (333, 17753), (360, 17834), (416, 17978), (417, 17981), (433, 17996), (437, 18008), (439, 18014), (446, 18032), (454, 18056), (456, 18062), (463, 18089), (521, 18245), (564, 18362), (578, 18395), (583, 18407), (587, 18419), (604, 18467), (676, 18659), (685, 18692), (688, 18701), (704, 18764), (707, 18776), (723, 18827), (725, 18833), (761, 18926), (786, 18977), (800, 19022), (809, 19061), (810, 19064), (817, 19082),

Gene: Ellson_19 Start: 17381, Stop: 19144, Start Num: 98

Candidate Starts for Ellson_19:

(Start: 98 @17381 has 41 MA's), (Start: 120 @17408 has 139 MA's), (174, 17471), (Start: 207 @17519 has 1 MA's), (210, 17525), (239, 17561), (262, 17636), (299, 17723), (344, 17837), (347, 17849), (385, 17960), (455, 18104), (458, 18116), (463, 18134), (468, 18149), (543, 18338), (563, 18401), (579, 18443), (583, 18452), (587, 18464), (613, 18539), (635, 18608), (638, 18620), (672, 18668), (689, 18734), (709, 18812), (723, 18857), (740, 18902), (744, 18914), (764, 18977), (777, 19013), (785, 19028), (794, 19058), (796, 19064), (800, 19076), (802, 19085), (805, 19097),

Gene: Elph10_25 Start: 19216, Stop: 20895, Start Num: 137

Candidate Starts for Elph10_25:

(Start: 137 @19216 has 79 MA's), (Start: 203 @19300 has 47 MA's), (Start: 244 @19378 has 1 MA's), (274, 19465), (287, 19480), (309, 19528), (321, 19567), (353, 19654), (365, 19687), (379, 19723), (388, 19753), (390, 19759), (409, 19828), (435, 19858), (438, 19870), (439, 19873), (458, 19930), (518, 20062), (519, 20068), (538, 20134), (541, 20140), (549, 20164), (568, 20212), (578, 20236), (582, 20245), (606, 20320), (643, 20371), (650, 20386), (698, 20548), (704, 20575), (713, 20605), (747, 20710), (786, 20788), (797, 20824), (800, 20833), (808, 20866), (813, 20881),

Gene: Emalyn_17 Start: 15033, Stop: 16727, Start Num: 154

Candidate Starts for Emalyn_17:

(Start: 150 @15030 has 7 MA's), (Start: 154 @15033 has 33 MA's), (226, 15132), (Start: 232 @15144 has 2 MA's), (265, 15240), (301, 15324), (334, 15414), (353, 15474), (384, 15558), (398, 15603), (432, 15636), (436, 15648), (444, 15672), (463, 15741), (467, 15753), (535, 15918), (558, 15990), (587, 16068), (591, 16083), (599, 16101), (620, 16158), (679, 16299), (681, 16305), (685, 16317), (688, 16326), (706, 16398), (707, 16401), (709, 16407), (713, 16419), (748, 16524), (751, 16533), (759, 16566), (813, 16719),

Gene: Emerson_23 Start: 17148, Stop: 18914, Start Num: 120

Candidate Starts for Emerson_23:

(Start: 120 @17148 has 139 MA's), (Start: 148 @17178 has 2 MA's), (245, 17337), (255, 17370), (265, 17400), (280, 17433), (287, 17445), (315, 17535), (333, 17577), (358, 17649), (360, 17658), (376, 17697), (390, 17742), (397, 17763), (398, 17766), (433, 17820), (439, 17838), (454, 17880), (456, 17886), (463, 17913), (517, 18051), (521, 18069), (533, 18111), (540, 18129), (551, 18159), (564, 18186), (604, 18291), (666, 18450), (677, 18486), (685, 18516), (688, 18525), (707, 18600), (723, 18651), (800, 18846), (809, 18885), (810, 18888), (817, 18906),

Gene: EmiMonkey_16 Start: 14759, Stop: 16468, Start Num: 129

Candidate Starts for EmiMonkey_16:

(Start: 129 @14759 has 207 MA's), (205, 14846), (Start: 232 @14891 has 2 MA's), (242, 14915), (279, 15020), (287, 15026), (294, 15044), (309, 15074), (347, 15179), (367, 15239), (375, 15257), (376, 15260), (379, 15269), (387, 15293), (432, 15419), (437, 15434), (439, 15440), (452, 15476), (453, 15479), (457, 15491), (458, 15497), (469, 15545), (474, 15557), (475, 15563), (517, 15623), (520, 15635), (531, 15671), (533, 15683), (565, 15758), (568, 15767), (575, 15785), (578, 15791), (590, 15821), (639, 15926), (645, 15938), (659, 15974), (680, 16052), (713, 16172), (723, 16205), (734, 16235), (737, 16247), (743, 16265), (745, 16271), (746, 16274), (748, 16280), (757, 16295), (758, 16298), (764, 16319), (765, 16322), (790, 16364), (797, 16394), (808, 16436), (809, 16442),

Gene: Emianna_41 Start: 30825, Stop: 32438, Start Num: 178

Candidate Starts for Emianna_41:

(Start: 178 @30825 has 37 MA's), (Start: 207 @30861 has 1 MA's), (216, 30879), (245, 30939), (338, 31179), (342, 31191), (346, 31206), (369, 31272), (375, 31287), (383, 31311), (384, 31314), (413, 31398), (438, 31428), (439, 31431), (458, 31488), (469, 31536), (471, 31539), (477, 31560), (531, 31665), (549, 31710), (567, 31752), (627, 31926), (636, 31956), (637, 31962), (691, 32070), (692, 32073), (713, 32148), (797, 32367), (813, 32424),

Gene: Emma_16 Start: 14857, Stop: 16566, Start Num: 129

Candidate Starts for Emma_16:

(Start: 129 @14857 has 207 MA's), (205, 14944), (Start: 232 @14989 has 2 MA's), (242, 15013), (279, 15118), (287, 15124), (294, 15142), (309, 15172), (347, 15277), (367, 15337), (376, 15358), (379, 15367), (387, 15391), (432, 15517), (437, 15532), (439, 15538), (452, 15574), (453, 15577), (457, 15589), (458, 15595), (469, 15643), (474, 15655), (475, 15661), (517, 15721), (520, 15733), (531, 15769), (533, 15781), (565, 15856), (568, 15865), (575, 15883), (578, 15889), (590, 15919), (639, 16024), (643, 16033), (645, 16036), (659, 16072), (680, 16150), (706, 16249), (713, 16270), (723, 16303), (734, 16333), (743, 16363), (746, 16372), (748, 16378), (757, 16393), (758, 16396), (765, 16420), (782, 16450), (790, 16462), (797, 16492), (808, 16534),

Gene: Emmaloid_18 Start: 14596, Stop: 16305, Start Num: 129

Candidate Starts for Emmaloid_18:

(Start: 129 @14596 has 207 MA's), (205, 14683), (Start: 232 @14728 has 2 MA's), (242, 14752), (279, 14857), (287, 14863), (294, 14881), (309, 14911), (347, 15016), (367, 15076), (375, 15094), (376, 15097), (379, 15106), (387, 15130), (432, 15256), (437, 15271), (439, 15277), (452, 15313), (453, 15316), (457, 15328), (458, 15334), (469, 15382), (474, 15394), (475, 15400), (517, 15460), (520, 15472), (531, 15508), (533, 15520), (565, 15595), (568, 15604), (575, 15622), (578, 15628), (590, 15658), (639, 15763), (645, 15775), (659, 15811), (680, 15889), (713, 16009), (723, 16042), (734, 16072), (737, 16084), (743, 16102), (745, 16108), (746, 16111), (748, 16117), (757, 16132), (758, 16135), (764, 16156), (765, 16159), (790, 16201), (797, 16231), (808, 16273), (809, 16279),

Gene: Emmina_25 Start: 19661, Stop: 21256, Start Num: 203

Candidate Starts for Emmina_25:

(Start: 137 @19577 has 79 MA's), (Start: 203 @19661 has 47 MA's), (Start: 244 @19739 has 1 MA's), (274, 19826), (287, 19841), (309, 19889), (321, 19928), (353, 20015), (365, 20048), (379, 20084),

(388, 20114), (390, 20120), (409, 20189), (435, 20219), (438, 20231), (439, 20234), (458, 20291), (518, 20423), (519, 20429), (538, 20495), (541, 20501), (549, 20525), (568, 20573), (578, 20597), (582, 20606), (606, 20681), (643, 20732), (650, 20747), (698, 20909), (704, 20936), (713, 20966), (747, 21071), (786, 21149), (797, 21185), (800, 21194), (808, 21227), (813, 21242),

Gene: Empress_17 Start: 16157, Stop: 17866, Start Num: 129

Candidate Starts for Empress_17:

(Start: 129 @16157 has 207 MA's), (205, 16244), (Start: 232 @16289 has 2 MA's), (242, 16313), (279, 16418), (287, 16424), (294, 16442), (309, 16472), (347, 16577), (367, 16637), (376, 16658), (379, 16667), (387, 16691), (432, 16817), (437, 16832), (439, 16838), (452, 16874), (453, 16877), (457, 16889), (458, 16895), (469, 16943), (474, 16955), (475, 16961), (517, 17021), (520, 17033), (531, 17069), (533, 17081), (565, 17156), (568, 17165), (575, 17183), (578, 17189), (590, 17219), (639, 17324), (643, 17333), (645, 17336), (659, 17372), (680, 17450), (706, 17549), (713, 17570), (723, 17603), (734, 17633), (743, 17663), (746, 17672), (748, 17678), (757, 17693), (758, 17696), (764, 17717), (765, 17720), (790, 17762), (797, 17792), (808, 17834),

Gene: EnalisNailo_20 Start: 17715, Stop: 19421, Start Num: 147

Candidate Starts for EnalisNailo_20:

(Start: 125 @17691 has 46 MA's), (Start: 147 @17715 has 24 MA's), (186, 17763), (224, 17820), (Start: 244 @17862 has 1 MA's), (313, 18051), (362, 18198), (365, 18204), (382, 18249), (451, 18387), (471, 18462), (586, 18744), (592, 18765), (620, 18840), (657, 18927), (672, 18963), (679, 18996), (681, 19002), (699, 19068), (707, 19098), (757, 19254), (759, 19260), (764, 19278), (806, 19389),

Gene: Enby_17 Start: 14628, Stop: 16337, Start Num: 129

Candidate Starts for Enby_17:

(Start: 129 @14628 has 207 MA's), (205, 14715), (Start: 232 @14760 has 2 MA's), (242, 14784), (258, 14841), (279, 14889), (287, 14895), (294, 14913), (309, 14943), (347, 15048), (364, 15102), (367, 15108), (371, 15117), (376, 15129), (379, 15138), (387, 15162), (396, 15198), (398, 15204), (401, 15216), (406, 15237), (407, 15240), (411, 15249), (424, 15264), (425, 15270), (432, 15288), (437, 15303), (439, 15309), (446, 15327), (447, 15330), (452, 15345), (457, 15360), (458, 15366), (467, 15396), (469, 15414), (474, 15426), (475, 15432), (517, 15492), (520, 15504), (531, 15540), (533, 15552), (541, 15573), (565, 15627), (568, 15636), (578, 15660), (590, 15690), (639, 15795), (645, 15807), (659, 15843), (671, 15882), (680, 15921), (706, 16020), (713, 16041), (723, 16074), (734, 16104), (743, 16134), (746, 16143), (748, 16149), (757, 16164), (758, 16167), (764, 16188), (765, 16191), (790, 16233), (797, 16263), (808, 16305), (809, 16311),

Gene: Enceladus_18 Start: 16740, Stop: 18509, Start Num: 98

Candidate Starts for Enceladus_18:

(Start: 70 @16677 has 1 MA's), (80, 16698), (85, 16713), (Start: 98 @16740 has 41 MA's), (174, 16833), (Start: 207 @16881 has 1 MA's), (210, 16887), (236, 16914), (239, 16923), (261, 16995), (266, 17004), (278, 17028), (285, 17043), (295, 17073), (344, 17199), (346, 17208), (352, 17229), (357, 17244), (382, 17313), (393, 17349), (404, 17370), (447, 17439), (458, 17478), (517, 17616), (520, 17628), (543, 17703), (545, 17709), (550, 17727), (563, 17766), (575, 17799), (579, 17808), (583, 17817), (586, 17826), (628, 17949), (638, 17985), (672, 18033), (675, 18045), (689, 18099), (715, 18195), (720, 18213), (722, 18219), (723, 18222), (736, 18255), (744, 18279), (764, 18342), (779, 18384), (794, 18423), (800, 18441), (805, 18462), (810, 18483),

Gene: Engineer_49 Start: 29557, Stop: 31248, Start Num: 152

Candidate Starts for Engineer_49:

(Start: 152 @29557 has 16 MA's), (193, 29617), (214, 29650), (Start: 232 @29680 has 2 MA's), (233, 29683), (296, 29842), (299, 29851), (348, 29980), (363, 30028), (458, 30241), (459, 30247), (467, 30271), (524, 30400), (531, 30421), (541, 30454), (605, 30652), (678, 30805), (704, 30904), (707, 30916), (710, 30925), (740, 31009), (798, 31156), (807, 31192),

Gene: EniyanLRS_37 Start: 25002, Stop: 27386, Start Num: 17

Candidate Starts for EniyanLRS_37:

(Start: 17 @25002 has 5 MA's), (24, 25119), (25, 25140), (26, 25143), (30, 25173), (31, 25179), (33, 25188), (39, 25278), (42, 25314), (44, 25332), (45, 25359), (48, 25371), (51, 25380), (56, 25443), (60, 25479), (65, 25515), (66, 25518), (69, 25524), (102, 25596), (128, 25626), (185, 25695), (188, 25698), (236, 25785), (Start: 244 @25803 has 1 MA's), (245, 25806), (261, 25866), (280, 25905), (296, 25947), (299, 25956), (301, 25962), (309, 25977), (312, 25992), (331, 26040), (362, 26136), (379, 26178), (380, 26181), (458, 26358), (463, 26376), (468, 26391), (469, 26406), (476, 26427), (485, 26460), (496, 26469), (516, 26499), (528, 26538), (539, 26580), (543, 26592), (544, 26595), (563, 26655), (586, 26715), (601, 26760), (614, 26796), (635, 26862), (670, 26916), (672, 26922), (689, 26988), (740, 27159), (750, 27183), (794, 27303), (801, 27324), (803, 27333), (813, 27369),

Gene: Enkosi_19 Start: 16697, Stop: 18463, Start Num: 120

Candidate Starts for Enkosi_19:

(Start: 120 @16697 has 139 MA's), (Start: 125 @16703 has 46 MA's), (Start: 148 @16727 has 2 MA's), (Start: 232 @16853 has 2 MA's), (237, 16868), (245, 16886), (265, 16949), (315, 17084), (317, 17090), (358, 17198), (360, 17207), (397, 17312), (437, 17381), (439, 17387), (452, 17423), (456, 17435), (472, 17498), (517, 17600), (521, 17618), (533, 17660), (534, 17663), (578, 17768), (604, 17840), (637, 17948), (640, 17954), (666, 17999), (681, 18053), (688, 18074), (707, 18149), (723, 18200), (761, 18299), (766, 18314), (786, 18350), (800, 18395), (809, 18434), (810, 18437), (817, 18455),

Gene: Ennea_47 Start: 31470, Stop: 33092, Start Num: 178

Candidate Starts for Ennea_47:

(Start: 178 @31470 has 37 MA's), (245, 31587), (338, 31827), (342, 31839), (346, 31854), (369, 31920), (375, 31935), (413, 32046), (438, 32076), (439, 32079), (458, 32136), (477, 32208), (531, 32313), (567, 32400), (586, 32448), (627, 32574), (628, 32577), (637, 32610), (678, 32667), (713, 32796), (725, 32835), (765, 32940), (793, 33003), (797, 33015), (801, 33027), (803, 33036), (813, 33072),

Gene: Eponine_24 Start: 18523, Stop: 20310, Start Num: 120

Candidate Starts for Eponine_24:

(Start: 95 @18484 has 1 MA's), (Start: 111 @18514 has 26 MA's), (Start: 117 @18520 has 41 MA's), (Start: 120 @18523 has 139 MA's), (Start: 145 @18538 has 2 MA's), (177, 18580), (210, 18628), (Start: 232 @18667 has 2 MA's), (237, 18682), (245, 18700), (255, 18733), (265, 18763), (287, 18808), (295, 18826), (315, 18898), (317, 18904), (330, 18934), (332, 18937), (353, 19000), (358, 19012), (407, 19147), (416, 19165), (437, 19195), (439, 19201), (446, 19219), (456, 19249), (467, 19288), (517, 19414), (534, 19477), (604, 19678), (622, 19732), (635, 19777), (655, 19822), (666, 19846), (676, 19879), (685, 19912), (704, 19984), (707, 19996), (723, 20047), (725, 20053), (764, 20155), (809, 20281), (817, 20302),

Gene: Eradicator_16 Start: 14770, Stop: 16479, Start Num: 129

Candidate Starts for Eradicator_16:

(Start: 129 @14770 has 207 MA's), (205, 14857), (Start: 232 @14902 has 2 MA's), (242, 14926), (258, 14983), (279, 15031), (287, 15037), (294, 15055), (309, 15085), (347, 15190), (364, 15244), (367, 15250), (371, 15259), (379, 15280), (387, 15304), (396, 15340), (398, 15346), (406, 15379), (407, 15382), (411, 15391), (424, 15406), (425, 15412), (432, 15430), (437, 15445), (439, 15451), (446, 15469), (447, 15472), (452, 15487), (457, 15502), (458, 15508), (469, 15556), (474, 15568), (475, 15574), (517, 15634), (520, 15646), (531, 15682), (533, 15694), (565, 15769), (568, 15778), (575, 15796), (578, 15802), (590, 15832), (639, 15937), (645, 15949), (659, 15985), (680, 16063), (713, 16183), (723, 16216), (734, 16246), (737, 16258), (743, 16276), (745, 16282), (746, 16285), (748, 16291), (757, 16306), (758, 16309), (764, 16330), (765, 16333), (790, 16375), (797, 16405), (808,

16447), (809, 16453),

Gene: Estave1_16 Start: 14924, Stop: 16633, Start Num: 129

Candidate Starts for Estave1_16:

(Start: 129 @14924 has 207 MA's), (205, 15011), (Start: 232 @15056 has 2 MA's), (242, 15080), (258, 15137), (279, 15185), (287, 15191), (294, 15209), (297, 15218), (309, 15239), (347, 15344), (364, 15398), (367, 15404), (371, 15413), (379, 15434), (387, 15458), (396, 15494), (398, 15500), (401, 15512), (406, 15533), (425, 15566), (432, 15584), (437, 15599), (439, 15605), (447, 15626), (452, 15641), (457, 15656), (458, 15662), (460, 15671), (469, 15710), (474, 15722), (475, 15728), (517, 15788), (531, 15836), (533, 15848), (541, 15869), (565, 15923), (568, 15932), (578, 15956), (639, 16091), (645, 16103), (659, 16139), (680, 16217), (706, 16316), (713, 16337), (723, 16370), (734, 16400), (743, 16430), (746, 16439), (748, 16445), (757, 16460), (758, 16463), (764, 16484), (765, 16487), (790, 16529), (808, 16601),

Gene: Estes_33 Start: 23088, Stop: 24827, Start Num: 114

Candidate Starts for Estes_33:

(Start: 86 @23046 has 4 MA's), (Start: 93 @23061 has 2 MA's), (Start: 114 @23088 has 15 MA's), (182, 23166), (188, 23172), (201, 23190), (280, 23352), (285, 23361), (289, 23376), (320, 23463), (327, 23475), (331, 23484), (346, 23526), (362, 23580), (368, 23592), (379, 23622), (380, 23625), (390, 23658), (454, 23787), (458, 23802), (463, 23820), (536, 24012), (539, 24021), (543, 24033), (545, 24039), (579, 24138), (583, 24147), (586, 24156), (597, 24186), (610, 24225), (635, 24303), (649, 24318), (670, 24357), (672, 24363), (785, 24717), (794, 24744), (796, 24750), (808, 24795),

Gene: Etoile_19 Start: 16385, Stop: 18121, Start Num: 125

Candidate Starts for Etoile_19:

(Start: 106 @16361 has 2 MA's), (Start: 125 @16385 has 46 MA's), (175, 16445), (189, 16466), (190, 16469), (253, 16589), (265, 16628), (280, 16661), (295, 16685), (342, 16805), (353, 16844), (355, 16850), (385, 16934), (387, 16940), (390, 16952), (396, 16976), (403, 17003), (409, 17021), (429, 17060), (432, 17066), (440, 17090), (458, 17144), (461, 17156), (464, 17165), (479, 17225), (522, 17303), (533, 17342), (545, 17375), (568, 17441), (574, 17456), (578, 17465), (587, 17489), (597, 17519), (602, 17531), (656, 17633), (662, 17645), (663, 17648), (664, 17654), (665, 17663), (696, 17771), (719, 17855), (752, 17954), (800, 18062), (813, 18110),

Gene: Eudoria_19 Start: 17773, Stop: 19371, Start Num: 167

Candidate Starts for Eudoria_19:

(Start: 167 @17773 has 53 MA's), (299, 18022), (302, 18031), (309, 18049), (310, 18052), (327, 18106), (354, 18181), (380, 18250), (381, 18259), (385, 18271), (400, 18322), (406, 18349), (410, 18358), (411, 18361), (455, 18391), (456, 18394), (469, 18451), (513, 18517), (542, 18595), (553, 18628), (570, 18652), (584, 18688), (621, 18790), (637, 18847), (668, 18892), (671, 18898), (680, 18937), (750, 19177), (774, 19255),

Gene: Eureka_24 Start: 19731, Stop: 21410, Start Num: 137

Candidate Starts for Eureka_24:

(Start: 137 @19731 has 79 MA's), (Start: 203 @19815 has 47 MA's), (Start: 244 @19893 has 1 MA's), (274, 19980), (287, 19995), (309, 20043), (321, 20082), (353, 20169), (365, 20202), (379, 20238), (388, 20268), (390, 20274), (409, 20343), (435, 20373), (438, 20385), (439, 20388), (458, 20445), (518, 20577), (519, 20583), (538, 20649), (541, 20655), (549, 20679), (568, 20727), (578, 20751), (582, 20760), (606, 20835), (643, 20886), (650, 20901), (698, 21063), (704, 21090), (713, 21120), (747, 21225), (786, 21303), (797, 21339), (800, 21348), (808, 21381), (813, 21396),

Gene: Evanesce_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Evanesce_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574, 18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: Eviarto_19 Start: 17764, Stop: 19362, Start Num: 167

Candidate Starts for Eviarto_19:

(Start: 167 @17764 has 53 MA's), (302, 18022), (309, 18040), (310, 18043), (327, 18097), (354, 18172), (380, 18241), (381, 18250), (385, 18262), (400, 18313), (406, 18340), (410, 18349), (411, 18352), (456, 18385), (469, 18442), (513, 18508), (553, 18619), (570, 18643), (584, 18679), (621, 18781), (637, 18838), (680, 18928), (750, 19168), (774, 19246),

Gene: Ewald_22 Start: 18458, Stop: 20104, Start Num: 164

Candidate Starts for Ewald_22:

(59, 18257), (74, 18317), (124, 18410), (Start: 156 @18446 has 2 MA's), (Start: 164 @18458 has 4 MA's), (Start: 173 @18470 has 1 MA's), (237, 18572), (239, 18578), (256, 18626), (266, 18656), (297, 18722), (299, 18728), (333, 18839), (339, 18848), (346, 18875), (349, 18884), (355, 18905), (437, 19076), (438, 19079), (459, 19145), (464, 19160), (477, 19211), (496, 19244), (511, 19253), (524, 19295), (531, 19316), (546, 19364), (550, 19376), (559, 19403), (587, 19472), (611, 19541), (622, 19574), (652, 19631), (662, 19646), (677, 19682), (696, 19751), (720, 19838), (725, 19853), (747, 19910), (750, 19919), (764, 19958), (783, 19997), (789, 20003),

Gene: Eyre_17 Start: 15369, Stop: 17078, Start Num: 169

Candidate Starts for Eyre_17:

(Start: 169 @15369 has 31 MA's), (238, 15486), (295, 15636), (327, 15732), (340, 15759), (372, 15852), (376, 15864), (431, 16038), (465, 16155), (469, 16179), (556, 16344), (585, 16401), (601, 16440), (621, 16497), (622, 16500), (666, 16593), (676, 16626), (749, 16881), (750, 16884), (764, 16932), (774, 16962), (800, 17019),

Gene: FF47_21 Start: 15896, Stop: 17782, Start Num: 67

Candidate Starts for FF47_21:

(67, 15896), (Start: 82 @15932 has 4 MA's), (113, 15983), (Start: 145 @16010 has 2 MA's), (190, 16070), (Start: 232 @16136 has 2 MA's), (251, 16187), (256, 16205), (369, 16511), (388, 16568), (407, 16616), (409, 16619), (432, 16682), (439, 16703), (459, 16766), (462, 16775), (467, 16790), (519, 16925), (531, 16964), (536, 16985), (550, 17024), (569, 17066), (575, 17081), (578, 17087), (689, 17396), (691, 17405), (693, 17411), (697, 17423), (704, 17453), (711, 17477), (756, 17597), (774, 17654), (807, 17741), (809, 17750),

Gene: Fairfaxidum_19 Start: 16818, Stop: 18467, Start Num: 171

Candidate Starts for Fairfaxidum_19:

(28, 16287), (32, 16317), (33, 16323), (43, 16455), (50, 16512), (52, 16521), (79, 16680), (143, 16782), (Start: 171 @16818 has 46 MA's), (237, 16923), (262, 17001), (294, 17061), (298, 17073), (299, 17076), (309, 17100), (375, 17274), (380, 17289), (427, 17373), (433, 17385), (436, 17394), (437, 17397), (444, 17418), (458, 17460), (467, 17490), (541, 17673), (549, 17697), (571, 17748), (605, 17841), (612, 17853), (625, 17895), (631, 17913), (678, 18048), (704, 18147), (709, 18165), (725, 18216), (748, 18276), (750, 18282), (782, 18357),

Gene: FairyPath_24 Start: 20027, Stop: 21622, Start Num: 203

Candidate Starts for FairyPath_24:

(Start: 137 @19943 has 79 MA's), (Start: 203 @20027 has 47 MA's), (Start: 244 @20105 has 1 MA's), (274, 20192), (287, 20207), (309, 20255), (321, 20294), (353, 20381), (365, 20414), (379, 20450), (388, 20480), (390, 20486), (409, 20555), (435, 20585), (438, 20597), (439, 20600), (458, 20657), (518, 20789), (519, 20795), (538, 20861), (541, 20867), (549, 20891), (568, 20939), (578, 20963), (582, 20972), (606, 21047), (643, 21098), (650, 21113), (698, 21275), (704, 21302), (713, 21332), (747, 21437), (786, 21515), (797, 21551), (800, 21560), (808, 21593), (813, 21608),

Gene: Faith1_18 Start: 16989, Stop: 18722, Start Num: 131

Candidate Starts for Faith1_18:

(Start: 131 @16989 has 77 MA's), (188, 17058), (261, 17199), (262, 17202), (285, 17247), (296, 17280), (299, 17289), (312, 17325), (334, 17379), (344, 17406), (347, 17418), (362, 17469), (365, 17475), (378, 17508), (451, 17661), (458, 17685), (460, 17694), (472, 17739), (476, 17754), (517, 17832), (553, 17952), (575, 18015), (601, 18087), (614, 18123), (670, 18243), (672, 18249), (675, 18261), (691, 18324), (715, 18411), (723, 18438), (748, 18507), (754, 18522), (757, 18534), (764, 18558), (794, 18636),

Gene: Faith5x5_17 Start: 14654, Stop: 16363, Start Num: 169

Candidate Starts for Faith5x5_17:

(77, 14519), (Start: 169 @14654 has 31 MA's), (199, 14696), (238, 14771), (260, 14843), (261, 14846), (279, 14882), (295, 14921), (312, 14975), (340, 15044), (344, 15056), (370, 15134), (372, 15137), (431, 15323), (455, 15404), (469, 15464), (472, 15470), (513, 15512), (543, 15593), (556, 15629), (570, 15647), (576, 15662), (585, 15686), (614, 15761), (621, 15782), (622, 15785), (701, 16016), (705, 16031), (749, 16166), (750, 16169), (764, 16217), (774, 16247), (793, 16283),

Gene: Faiyaz_24 Start: 19608, Stop: 21443, Start Num: 72

Candidate Starts for Faiyaz_24:

(Start: 72 @19608 has 4 MA's), (Start: 95 @19656 has 1 MA's), (99, 19665), (Start: 147 @19704 has 24 MA's), (177, 19734), (Start: 184 @19746 has 1 MA's), (210, 19782), (228, 19812), (Start: 232 @19821 has 2 MA's), (237, 19836), (255, 19887), (256, 19890), (298, 19989), (346, 20130), (362, 20181), (365, 20187), (380, 20226), (397, 20280), (439, 20349), (454, 20391), (464, 20427), (467, 20436), (489, 20514), (496, 20523), (505, 20553), (516, 20586), (517, 20589), (533, 20649), (542, 20673), (545, 20682), (574, 20751), (612, 20856), (613, 20859), (622, 20886), (691, 21069), (782, 21324), (809, 21414), (810, 21417), (811, 21420),

Gene: Familton_57 Start: 33481, Stop: 35217, Start Num: 109

Candidate Starts for Familton_57:

(Start: 104 @33472 has 2 MA's), (Start: 109 @33481 has 26 MA's), (Start: 184 @33571 has 1 MA's), (248, 33688), (258, 33724), (266, 33745), (279, 33772), (287, 33778), (298, 33808), (311, 33832), (329, 33883), (379, 34021), (381, 34027), (395, 34078), (396, 34081), (401, 34099), (432, 34150), (439, 34171), (440, 34174), (457, 34222), (458, 34228), (469, 34276), (472, 34282), (474, 34288), (507, 34348), (517, 34372), (518, 34375), (531, 34420), (534, 34435), (537, 34444), (541, 34453), (557, 34498), (568, 34516), (582, 34549), (645, 34687), (654, 34708), (674, 34774), (681, 34804), (696, 34858), (706, 34900), (713, 34921), (719, 34942), (723, 34954), (730, 34975), (748, 35029), (786, 35107), (797, 35143), (803, 35164), (809, 35191),

Gene: Fancypants_16 Start: 14817, Stop: 16526, Start Num: 129

Candidate Starts for Fancypants_16:

(Start: 129 @14817 has 207 MA's), (205, 14904), (219, 14925), (Start: 232 @14949 has 2 MA's), (242, 14973), (248, 14994), (279, 15078), (287, 15084), (294, 15102), (309, 15132), (347, 15237), (364, 15291), (367, 15297), (375, 15315), (376, 15318), (379, 15327), (387, 15351), (406, 15426), (411, 15438), (424, 15453), (425, 15459), (432, 15477), (437, 15492), (439, 15498), (447, 15519), (452, 15534), (457, 15549), (458, 15555), (469, 15603), (474, 15615), (475, 15621), (517, 15681), (520, 15693), (531, 15729), (533, 15741), (565, 15816), (568, 15825), (575, 15843), (578, 15849), (590,

15879), (639, 15984), (643, 15993), (645, 15996), (659, 16032), (680, 16110), (706, 16209), (713, 16230), (723, 16263), (734, 16293), (743, 16323), (746, 16332), (748, 16338), (757, 16353), (758, 16356), (765, 16380), (782, 16410), (790, 16422), (797, 16452), (808, 16494),

Gene: Farewell_16 Start: 16143, Stop: 17858, Start Num: 131

Candidate Starts for Farewell_16:

(Start: 131 @16143 has 77 MA's), (140, 16152), (235, 16278), (261, 16356), (265, 16362), (266, 16365), (282, 16398), (299, 16446), (301, 16452), (327, 16518), (341, 16551), (346, 16569), (379, 16665), (439, 16779), (458, 16836), (463, 16854), (472, 16890), (517, 16971), (519, 16980), (543, 17058), (554, 17094), (588, 17184), (614, 17259), (672, 17385), (696, 17475), (724, 17577), (764, 17706), (784, 17748), (794, 17775), (802, 17802), (805, 17814), (806, 17817), (813, 17841),

Gene: FarmResident_18 Start: 16625, Stop: 18388, Start Num: 98

Candidate Starts for FarmResident_18:

(Start: 98 @16625 has 41 MA's), (210, 16766), (261, 16874), (262, 16877), (343, 17075), (344, 17078), (347, 17090), (353, 17111), (390, 17219), (404, 17249), (458, 17357), (468, 17390), (469, 17405), (476, 17426), (543, 17582), (563, 17645), (579, 17687), (583, 17696), (601, 17750), (614, 17786), (672, 17912), (679, 17945), (706, 18047), (709, 18056), (715, 18074), (723, 18101), (744, 18158), (757, 18197), (764, 18221), (777, 18257), (785, 18272), (794, 18302), (802, 18329), (805, 18341), (810, 18362),

Gene: Fastidio_16 Start: 14771, Stop: 16480, Start Num: 129

Candidate Starts for Fastidio_16:

(Start: 129 @14771 has 207 MA's), (205, 14858), (Start: 232 @14903 has 2 MA's), (242, 14927), (279, 15032), (287, 15038), (294, 15056), (309, 15086), (347, 15191), (364, 15245), (367, 15251), (376, 15272), (379, 15281), (387, 15305), (398, 15347), (432, 15431), (437, 15446), (439, 15452), (452, 15488), (453, 15491), (457, 15503), (458, 15509), (469, 15557), (474, 15569), (475, 15575), (517, 15635), (520, 15647), (531, 15683), (533, 15695), (565, 15770), (568, 15779), (575, 15797), (578, 15803), (590, 15833), (639, 15938), (643, 15947), (645, 15950), (659, 15986), (680, 16064), (706, 16163), (713, 16184), (723, 16217), (734, 16247), (743, 16277), (746, 16286), (748, 16292), (757, 16307), (758, 16310), (765, 16334), (782, 16364), (790, 16376), (797, 16406), (808, 16448),

Gene: Feastonyeet_17 Start: 15461, Stop: 17155, Start Num: 154

Candidate Starts for Feastonyeet_17:

(Start: 150 @15458 has 7 MA's), (Start: 154 @15461 has 33 MA's), (226, 15560), (Start: 244 @15602 has 1 MA's), (266, 15671), (334, 15842), (362, 15929), (372, 15950), (375, 15959), (384, 15986), (398, 16031), (432, 16064), (437, 16079), (446, 16103), (454, 16136), (463, 16169), (467, 16181), (480, 16238), (516, 16286), (525, 16316), (535, 16346), (555, 16409), (573, 16460), (587, 16496), (591, 16511), (599, 16529), (620, 16586), (622, 16595), (677, 16715), (679, 16727), (693, 16775), (706, 16826), (707, 16829), (713, 16847), (739, 16925), (744, 16940), (748, 16952), (759, 16994), (810, 17141), (813, 17147),

Gene: Fefferhead_22 Start: 17500, Stop: 19257, Start Num: 117

Candidate Starts for Fefferhead_22:

(Start: 95 @17464 has 1 MA's), (Start: 111 @17494 has 26 MA's), (Start: 117 @17500 has 41 MA's), (Start: 120 @17503 has 139 MA's), (Start: 142 @17515 has 43 MA's), (Start: 148 @17521 has 2 MA's), (Start: 232 @17647 has 2 MA's), (237, 17662), (255, 17713), (265, 17743), (280, 17776), (315, 17878), (333, 17920), (358, 17992), (360, 18001), (416, 18145), (417, 18148), (433, 18163), (437, 18175), (439, 18181), (446, 18199), (454, 18223), (456, 18229), (463, 18256), (521, 18412), (564, 18529), (578, 18562), (583, 18574), (587, 18586), (604, 18634), (676, 18826), (685, 18859), (704, 18931), (707, 18943), (723, 18994), (725, 19000), (761, 19093), (786, 19144), (800, 19189), (809, 19228), (810, 19231), (817, 19249),

Gene: FeliMaine_52 Start: 27401, Stop: 29113, Start Num: 131

Candidate Starts for FeliMaine_52:

(90, 27338), (Start: 131 @27401 has 77 MA's), (196, 27482), (237, 27539), (262, 27620), (266, 27626), (291, 27683), (295, 27695), (299, 27707), (313, 27746), (317, 27761), (346, 27830), (362, 27884), (366, 27893), (443, 28049), (458, 28097), (460, 28106), (463, 28115), (473, 28154), (477, 28169), (517, 28232), (520, 28244), (556, 28361), (557, 28364), (575, 28415), (586, 28442), (587, 28445), (593, 28466), (607, 28508), (665, 28628), (672, 28646), (709, 28790), (723, 28835), (727, 28853), (756, 28937), (759, 28946), (764, 28964), (771, 28985), (794, 29030), (796, 29036), (800, 29048), (803, 29060), (808, 29081), (813, 29096), (815, 29102),

Gene: Fenry_18 Start: 16369, Stop: 18015, Start Num: 171

Candidate Starts for Fenry_18:

(143, 16333), (Start: 171 @16369 has 46 MA's), (237, 16471), (265, 16552), (309, 16648), (319, 16687), (344, 16732), (348, 16747), (354, 16768), (375, 16822), (380, 16837), (458, 17008), (467, 17038), (516, 17137), (541, 17221), (549, 17245), (571, 17296), (605, 17389), (612, 17401), (626, 17446), (631, 17461), (677, 17593), (678, 17596), (704, 17695), (709, 17713), (725, 17764), (748, 17824), (750, 17830), (772, 17893), (782, 17905),

Gene: Feyre_21 Start: 17413, Stop: 19185, Start Num: 123

Candidate Starts for Feyre_21:

(Start: 123 @17413 has 15 MA's), (127, 17419), (Start: 151 @17443 has 2 MA's), (177, 17476), (210, 17524), (237, 17578), (255, 17629), (280, 17692), (317, 17800), (358, 17908), (397, 18022), (398, 18025), (417, 18064), (433, 18079), (437, 18091), (439, 18097), (454, 18139), (456, 18145), (467, 18184), (472, 18208), (517, 18310), (534, 18373), (550, 18418), (604, 18553), (635, 18652), (670, 18730), (676, 18754), (678, 18760), (681, 18775), (707, 18871), (709, 18877), (764, 19030), (804, 19135), (805, 19138), (809, 19156),

Gene: Filch_25 Start: 19504, Stop: 21183, Start Num: 137

Candidate Starts for Filch_25:

(Start: 137 @19504 has 79 MA's), (Start: 203 @19588 has 47 MA's), (Start: 244 @19666 has 1 MA's), (274, 19753), (287, 19768), (309, 19816), (321, 19855), (353, 19942), (365, 19975), (379, 20011), (388, 20041), (390, 20047), (409, 20116), (435, 20146), (438, 20158), (439, 20161), (458, 20218), (518, 20350), (519, 20356), (538, 20422), (541, 20428), (549, 20452), (568, 20500), (578, 20524), (582, 20533), (606, 20608), (643, 20659), (650, 20674), (698, 20836), (704, 20863), (713, 20893), (747, 20998), (786, 21076), (797, 21112), (800, 21121), (808, 21154), (813, 21169),

Gene: Filuzino_16 Start: 14799, Stop: 16508, Start Num: 129

Candidate Starts for Filuzino_16:

(Start: 129 @14799 has 207 MA's), (205, 14886), (Start: 232 @14931 has 2 MA's), (242, 14955), (279, 15060), (287, 15066), (294, 15084), (309, 15114), (347, 15219), (367, 15279), (371, 15288), (375, 15297), (376, 15300), (379, 15309), (387, 15333), (406, 15408), (432, 15459), (437, 15474), (439, 15480), (452, 15516), (453, 15519), (457, 15531), (458, 15537), (469, 15585), (474, 15597), (475, 15603), (517, 15663), (520, 15675), (531, 15711), (533, 15723), (565, 15798), (568, 15807), (575, 15825), (578, 15831), (590, 15861), (639, 15966), (643, 15975), (645, 15978), (659, 16014), (680, 16092), (706, 16191), (713, 16212), (723, 16245), (734, 16275), (743, 16305), (746, 16314), (748, 16320), (757, 16335), (758, 16338), (765, 16362), (782, 16392), (790, 16404), (797, 16434), (808, 16476),

Gene: Findley_19 Start: 15016, Stop: 16785, Start Num: 117

Candidate Starts for Findley_19:

(Start: 95 @14980 has 1 MA's), (Start: 111 @15010 has 26 MA's), (Start: 117 @15016 has 41 MA's), (Start: 142 @15031 has 43 MA's), (177, 15073), (210, 15121), (Start: 232 @15160 has 2 MA's), (237, 15175), (255, 15226), (265, 15256), (280, 15289), (287, 15301), (295, 15319), (315, 15391), (317,

15397), (353, 15493), (358, 15505), (393, 15607), (398, 15622), (416, 15658), (439, 15694), (456, 15742), (467, 15781), (472, 15805), (475, 15817), (517, 15907), (519, 15916), (586, 16111), (604, 16162), (622, 16216), (637, 16270), (685, 16384), (688, 16393), (707, 16468), (723, 16519), (725, 16525), (761, 16621), (789, 16675), (809, 16756), (817, 16777),

Gene: Finemlucis_18 Start: 16995, Stop: 18728, Start Num: 131

Candidate Starts for Finemlucis_18:

(Start: 131 @16995 has 77 MA's), (188, 17064), (261, 17205), (262, 17208), (285, 17253), (296, 17286), (299, 17295), (312, 17331), (334, 17385), (344, 17412), (347, 17424), (362, 17475), (365, 17481), (378, 17514), (451, 17667), (458, 17691), (460, 17700), (472, 17745), (476, 17760), (517, 17838), (553, 17958), (575, 18021), (601, 18093), (614, 18129), (670, 18249), (672, 18255), (675, 18267), (691, 18330), (715, 18417), (723, 18444), (748, 18513), (754, 18528), (757, 18540), (764, 18564), (794, 18642),

Gene: Finkle_19 Start: 16256, Stop: 17803, Start Num: 179

Candidate Starts for Finkle_19:

(61, 16073), (Start: 70 @16106 has 1 MA's), (Start: 162 @16241 has 1 MA's), (Start: 179 @16256 has 1 MA's), (Start: 183 @16262 has 8 MA's), (225, 16325), (274, 16439), (279, 16448), (280, 16451), (286, 16454), (293, 16475), (309, 16520), (310, 16523), (327, 16577), (370, 16688), (385, 16736), (411, 16823), (452, 16844), (453, 16847), (458, 16865), (513, 16967), (530, 17021), (548, 17066), (584, 17147), (625, 17261), (627, 17267), (642, 17297), (647, 17306), (680, 17372), (718, 17513), (722, 17525), (750, 17600), (761, 17645), (804, 17759), (808, 17774),

Gene: Finnry_19 Start: 17377, Stop: 19140, Start Num: 98

Candidate Starts for Finnry_19:

(Start: 98 @17377 has 41 MA's), (Start: 120 @17404 has 139 MA's), (174, 17467), (Start: 207 @17515 has 1 MA's), (210, 17521), (239, 17557), (262, 17632), (274, 17656), (278, 17662), (299, 17719), (344, 17833), (347, 17845), (385, 17956), (455, 18100), (458, 18112), (468, 18145), (469, 18160), (543, 18334), (545, 18340), (563, 18397), (579, 18439), (583, 18448), (587, 18460), (613, 18535), (635, 18604), (638, 18616), (672, 18664), (689, 18730), (709, 18808), (723, 18853), (744, 18910), (764, 18973), (777, 19009), (785, 19024), (794, 19054), (796, 19060), (800, 19072), (802, 19081), (805, 19093),

Gene: Fionnbharth_24 Start: 18623, Stop: 20410, Start Num: 120

Candidate Starts for Fionnbharth_24:

(Start: 95 @18584 has 1 MA's), (Start: 111 @18614 has 26 MA's), (Start: 117 @18620 has 41 MA's), (Start: 120 @18623 has 139 MA's), (Start: 145 @18638 has 2 MA's), (177, 18680), (210, 18728), (Start: 232 @18767 has 2 MA's), (237, 18782), (245, 18800), (255, 18833), (265, 18863), (287, 18908), (295, 18926), (315, 18998), (317, 19004), (330, 19034), (332, 19037), (353, 19100), (358, 19112), (407, 19247), (416, 19265), (437, 19295), (439, 19301), (446, 19319), (456, 19349), (467, 19388), (517, 19514), (534, 19577), (604, 19778), (622, 19832), (635, 19877), (655, 19922), (666, 19946), (676, 19979), (677, 19982), (685, 20012), (704, 20084), (707, 20096), (723, 20147), (725, 20153), (764, 20255), (809, 20381), (817, 20402),

Gene: FireRed_24 Start: 19858, Stop: 21453, Start Num: 203

Candidate Starts for FireRed_24:

(Start: 137 @19774 has 79 MA's), (Start: 203 @19858 has 47 MA's), (Start: 244 @19936 has 1 MA's), (274, 20023), (287, 20038), (309, 20086), (321, 20125), (353, 20212), (365, 20245), (379, 20281), (388, 20311), (390, 20317), (409, 20386), (435, 20416), (438, 20428), (439, 20431), (458, 20488), (518, 20620), (519, 20626), (538, 20692), (541, 20698), (549, 20722), (568, 20770), (578, 20794), (582, 20803), (606, 20878), (643, 20929), (650, 20944), (698, 21106), (704, 21133), (713, 21163), (747, 21268), (786, 21346), (797, 21382), (800, 21391), (808, 21424), (813, 21439),

Gene: Firecracker_57 Start: 33671, Stop: 35407, Start Num: 109

Candidate Starts for Firecracker_57:

(Start: 104 @33662 has 2 MA's), (Start: 109 @33671 has 26 MA's), (Start: 184 @33761 has 1 MA's), (248, 33878), (258, 33914), (266, 33935), (279, 33962), (287, 33968), (298, 33998), (311, 34022), (329, 34073), (379, 34211), (381, 34217), (395, 34268), (396, 34271), (401, 34289), (432, 34340), (439, 34361), (440, 34364), (457, 34412), (458, 34418), (469, 34466), (472, 34472), (474, 34478), (507, 34538), (517, 34562), (518, 34565), (531, 34610), (534, 34625), (537, 34634), (541, 34643), (557, 34688), (568, 34706), (582, 34739), (645, 34877), (654, 34898), (674, 34964), (681, 34994), (696, 35048), (706, 35090), (713, 35111), (719, 35132), (723, 35144), (730, 35165), (748, 35219), (786, 35297), (797, 35333), (803, 35354), (809, 35381),

Gene: Firehouse51_17 Start: 15366, Stop: 17075, Start Num: 129

Candidate Starts for Firehouse51_17:

(Start: 129 @15366 has 207 MA's), (Start: 232 @15498 has 2 MA's), (242, 15522), (279, 15627), (287, 15633), (294, 15651), (309, 15681), (347, 15786), (367, 15846), (376, 15867), (379, 15876), (387, 15900), (396, 15936), (432, 16026), (437, 16041), (439, 16047), (452, 16083), (453, 16086), (457, 16098), (458, 16104), (469, 16152), (474, 16164), (475, 16170), (517, 16230), (520, 16242), (531, 16278), (533, 16290), (565, 16365), (568, 16374), (575, 16392), (578, 16398), (590, 16428), (639, 16533), (643, 16542), (645, 16545), (659, 16581), (680, 16659), (706, 16758), (713, 16779), (723, 16812), (734, 16842), (743, 16872), (746, 16881), (748, 16887), (757, 16902), (758, 16905), (765, 16929), (782, 16959), (790, 16971), (797, 17001), (808, 17043),

Gene: FirstPlacePfu_19 Start: 16385, Stop: 18121, Start Num: 125

Candidate Starts for FirstPlacePfu_19:

(Start: 106 @16361 has 2 MA's), (Start: 125 @16385 has 46 MA's), (175, 16445), (189, 16466), (190, 16469), (253, 16589), (265, 16628), (280, 16661), (295, 16685), (342, 16805), (353, 16844), (355, 16850), (385, 16934), (387, 16940), (390, 16952), (396, 16976), (403, 17003), (409, 17021), (429, 17060), (432, 17066), (440, 17090), (458, 17144), (461, 17156), (464, 17165), (479, 17225), (522, 17303), (533, 17342), (545, 17375), (568, 17441), (574, 17456), (578, 17465), (587, 17489), (597, 17519), (602, 17531), (656, 17633), (662, 17645), (663, 17648), (664, 17654), (665, 17663), (696, 17771), (719, 17855), (752, 17954), (800, 18062), (813, 18110),

Gene: Fishburne_19 Start: 16385, Stop: 18121, Start Num: 125

Candidate Starts for Fishburne_19:

(Start: 106 @16361 has 2 MA's), (Start: 125 @16385 has 46 MA's), (175, 16445), (189, 16466), (190, 16469), (253, 16589), (265, 16628), (280, 16661), (295, 16685), (342, 16805), (353, 16844), (355, 16850), (385, 16934), (387, 16940), (390, 16952), (396, 16976), (403, 17003), (409, 17021), (429, 17060), (432, 17066), (440, 17090), (458, 17144), (461, 17156), (464, 17165), (479, 17225), (522, 17303), (533, 17342), (545, 17375), (568, 17441), (574, 17456), (578, 17465), (587, 17489), (597, 17519), (602, 17531), (656, 17633), (662, 17645), (663, 17648), (664, 17654), (665, 17663), (696, 17771), (719, 17855), (752, 17954), (800, 18062), (813, 18110),

Gene: FlagStaff_18 Start: 16851, Stop: 18575, Start Num: 151

Candidate Starts for FlagStaff_18:

(Start: 151 @16851 has 2 MA's), (210, 16923), (265, 17058), (299, 17133), (313, 17184), (317, 17199), (330, 17229), (333, 17235), (351, 17289), (393, 17409), (414, 17454), (439, 17505), (443, 17514), (456, 17553), (467, 17592), (475, 17628), (491, 17673), (517, 17718), (564, 17859), (587, 17916), (604, 17964), (613, 17991), (628, 18039), (653, 18081), (676, 18144), (703, 18246), (723, 18312), (793, 18486), (811, 18552),

Gene: Flapper_45 Start: 31189, Stop: 32808, Start Num: 178

Candidate Starts for Flapper_45:

(Start: 178 @31189 has 37 MA's), (189, 31204), (Start: 207 @31225 has 1 MA's), (245, 31303), (346, 31570), (355, 31600), (365, 31627), (369, 31636), (375, 31651), (413, 31762), (438, 31792), (439, 31795), (458, 31852), (550, 32077), (567, 32116), (586, 32164), (627, 32290), (637, 32326), (678, 32383), (692, 32437), (713, 32512), (761, 32644), (793, 32719), (797, 32731), (801, 32743), (803, 32752), (813, 32788),

Gene: Flathead_17 Start: 14674, Stop: 16383, Start Num: 129

Candidate Starts for Flathead_17:

(Start: 129 @14674 has 207 MA's), (205, 14761), (Start: 232 @14806 has 2 MA's), (242, 14830), (279, 14935), (287, 14941), (294, 14959), (309, 14989), (347, 15094), (367, 15154), (376, 15175), (379, 15184), (387, 15208), (432, 15334), (437, 15349), (439, 15355), (452, 15391), (453, 15394), (457, 15406), (458, 15412), (469, 15460), (474, 15472), (475, 15478), (517, 15538), (520, 15550), (531, 15586), (533, 15598), (565, 15673), (568, 15682), (575, 15700), (578, 15706), (590, 15736), (639, 15841), (643, 15850), (645, 15853), (659, 15889), (680, 15967), (706, 16066), (713, 16087), (723, 16120), (734, 16150), (743, 16180), (746, 16189), (748, 16195), (757, 16210), (758, 16213), (765, 16237), (782, 16267), (790, 16279), (797, 16309), (808, 16351),

Gene: Float294_43 Start: 30912, Stop: 32534, Start Num: 178

Candidate Starts for Float294_43:

(Start: 178 @30912 has 37 MA's), (245, 31029), (270, 31107), (338, 31269), (342, 31281), (346, 31296), (369, 31362), (375, 31377), (413, 31488), (438, 31518), (439, 31521), (458, 31578), (477, 31650), (524, 31734), (531, 31755), (567, 31842), (586, 31890), (627, 32016), (628, 32019), (637, 32052), (678, 32109), (713, 32238), (725, 32277), (765, 32382), (793, 32445), (797, 32457), (801, 32469), (803, 32478), (813, 32514),

Gene: Floral_20 Start: 17566, Stop: 19272, Start Num: 147

Candidate Starts for Floral_20:

(Start: 125 @17542 has 46 MA's), (Start: 147 @17566 has 24 MA's), (224, 17671), (Start: 244 @17713 has 1 MA's), (271, 17788), (313, 17902), (362, 18049), (365, 18055), (382, 18100), (451, 18238), (471, 18313), (586, 18595), (592, 18616), (620, 18691), (657, 18778), (672, 18814), (679, 18847), (681, 18853), (699, 18919), (707, 18949), (757, 19105), (759, 19111), (764, 19129), (806, 19240),

Gene: Florinda_16 Start: 14828, Stop: 16537, Start Num: 129

Candidate Starts for Florinda_16:

(Start: 129 @14828 has 207 MA's), (205, 14915), (Start: 232 @14960 has 2 MA's), (242, 14984), (279, 15089), (287, 15095), (294, 15113), (309, 15143), (347, 15248), (367, 15308), (376, 15329), (379, 15338), (387, 15362), (432, 15488), (437, 15503), (439, 15509), (446, 15527), (447, 15530), (452, 15545), (453, 15548), (457, 15560), (458, 15566), (460, 15575), (469, 15614), (474, 15626), (475, 15632), (517, 15692), (531, 15740), (533, 15752), (565, 15827), (568, 15836), (575, 15854), (578, 15860), (590, 15890), (639, 15995), (645, 16007), (659, 16043), (680, 16121), (706, 16220), (713, 16241), (723, 16274), (734, 16304), (743, 16334), (746, 16343), (748, 16349), (757, 16364), (758, 16367), (764, 16388), (765, 16391), (790, 16433), (797, 16463), (808, 16505),

Gene: Flypotenuse_22 Start: 19446, Stop: 21041, Start Num: 203

Candidate Starts for Flypotenuse_22:

(Start: 137 @19362 has 79 MA's), (Start: 203 @19446 has 47 MA's), (Start: 244 @19524 has 1 MA's), (274, 19611), (287, 19626), (309, 19674), (321, 19713), (353, 19800), (365, 19833), (379, 19869), (388, 19899), (390, 19905), (409, 19974), (435, 20004), (438, 20016), (439, 20019), (458, 20076), (518, 20208), (519, 20214), (538, 20280), (541, 20286), (549, 20310), (568, 20358), (578, 20382), (582, 20391), (606, 20466), (643, 20517), (650, 20532), (698, 20694), (704, 20721), (713, 20751), (747, 20856), (786, 20934), (797, 20970), (800, 20979), (808, 21012), (813, 21027),

Gene: FoghornLeghorn_23 Start: 19334, Stop: 20929, Start Num: 203

Candidate Starts for FoghornLeghorn_23:

(Start: 137 @19250 has 79 MA's), (Start: 203 @19334 has 47 MA's), (Start: 244 @19412 has 1 MA's), (274, 19499), (287, 19514), (309, 19562), (321, 19601), (353, 19688), (365, 19721), (379, 19757), (388, 19787), (390, 19793), (409, 19862), (435, 19892), (438, 19904), (439, 19907), (458, 19964), (518, 20096), (519, 20102), (538, 20168), (541, 20174), (549, 20198), (568, 20246), (578, 20270), (582, 20279), (606, 20354), (643, 20405), (650, 20420), (698, 20582), (704, 20609), (713, 20639), (747, 20744), (786, 20822), (797, 20858), (800, 20867), (808, 20900), (813, 20915),

Gene: Forge_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Forge_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574, 18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: Forza_101 Start: 59948, Stop: 61576, Start Num: 158

Candidate Starts for Forza_101:

(Start: 158 @59948 has 4 MA's), (Start: 171 @59963 has 46 MA's), (176, 59966), (194, 59993), (Start: 232 @60050 has 2 MA's), (246, 60086), (256, 60119), (266, 60149), (268, 60152), (300, 60221), (307, 60227), (362, 60392), (379, 60434), (382, 60443), (385, 60452), (388, 60464), (451, 60584), (517, 60737), (533, 60797), (589, 60944), (597, 60965), (602, 60980), (627, 61058), (629, 61064), (685, 61181), (689, 61196), (704, 61253), (713, 61283), (723, 61316), (766, 61436), (813, 61565),

Gene: FoulBall_56 Start: 33475, Stop: 35211, Start Num: 109

Candidate Starts for FoulBall_56:

(Start: 104 @33466 has 2 MA's), (Start: 109 @33475 has 26 MA's), (Start: 184 @33565 has 1 MA's), (248, 33682), (258, 33718), (266, 33739), (279, 33766), (287, 33772), (298, 33802), (311, 33826), (329, 33877), (379, 34015), (381, 34021), (395, 34072), (396, 34075), (401, 34093), (432, 34144), (439, 34165), (440, 34168), (457, 34216), (458, 34222), (469, 34270), (472, 34276), (474, 34282), (507, 34342), (517, 34366), (518, 34369), (531, 34414), (534, 34429), (537, 34438), (541, 34447), (557, 34492), (568, 34510), (582, 34543), (645, 34681), (654, 34702), (674, 34768), (681, 34798), (696, 34852), (706, 34894), (713, 34915), (719, 34936), (723, 34948), (730, 34969), (748, 35023), (786, 35101), (797, 35137), (803, 35158), (809, 35185),

Gene: Foxboro_42 Start: 31331, Stop: 32944, Start Num: 178

Candidate Starts for Foxboro_42:

(Start: 178 @31331 has 37 MA's), (Start: 207 @31367 has 1 MA's), (216, 31385), (245, 31445), (338, 31685), (342, 31697), (346, 31712), (369, 31778), (375, 31793), (383, 31817), (384, 31820), (413, 31904), (438, 31934), (439, 31937), (458, 31994), (469, 32042), (471, 32045), (477, 32066), (531, 32171), (549, 32216), (567, 32258), (627, 32432), (636, 32462), (637, 32468), (691, 32576), (692, 32579), (713, 32654), (797, 32873), (813, 32930),

Gene: Francois_22 Start: 17367, Stop: 19073, Start Num: 172

Candidate Starts for Francois_22:

(Start: 106 @17292 has 2 MA's), (Start: 172 @17367 has 16 MA's), (Start: 232 @17460 has 2 MA's), (237, 17475), (264, 17556), (288, 17607), (296, 17628), (332, 17739), (348, 17784), (353, 17802), (358, 17814), (437, 17985), (440, 17994), (443, 18000), (467, 18078), (470, 18096), (483, 18147), (504, 18171), (518, 18201), (537, 18270), (551, 18309), (602, 18441), (622, 18501), (637, 18555), (676, 18642), (706, 18756), (709, 18765), (746, 18870), (783, 18957), (817, 19065),

Gene: Frankie_17 Start: 14912, Stop: 16621, Start Num: 129

Candidate Starts for Frankie_17:

(Start: 129 @14912 has 207 MA's), (205, 14999), (Start: 232 @15044 has 2 MA's), (242, 15068), (248, 15089), (279, 15173), (287, 15179), (294, 15197), (309, 15227), (347, 15332), (367, 15392), (371, 15401), (375, 15410), (376, 15413), (379, 15422), (387, 15446), (406, 15521), (432, 15572), (437, 15587), (439, 15593), (452, 15629), (457, 15644), (458, 15650), (469, 15698), (474, 15710), (475, 15716), (517, 15776), (520, 15788), (531, 15824), (533, 15836), (565, 15911), (568, 15920), (575, 15938), (578, 15944), (590, 15974), (639, 16079), (645, 16091), (659, 16127), (680, 16205), (713, 16325), (723, 16358), (734, 16388), (743, 16418), (746, 16427), (748, 16433), (757, 16448), (758, 16451), (765, 16475), (782, 16505), (790, 16517), (797, 16547), (808, 16589),

Gene: FreakyGoo_28 Start: 22368, Stop: 24104, Start Num: 114

Candidate Starts for FreakyGoo_28:

(51, 22146), (Start: 86 @22326 has 4 MA's), (Start: 93 @22341 has 2 MA's), (Start: 114 @22368 has 15 MA's), (132, 22383), (Start: 167 @22422 has 53 MA's), (188, 22452), (191, 22458), (201, 22470), (257, 22575), (261, 22590), (280, 22629), (327, 22752), (331, 22761), (362, 22857), (379, 22899), (380, 22902), (458, 23079), (496, 23190), (517, 23217), (536, 23289), (539, 23298), (540, 23301), (544, 23313), (586, 23433), (587, 23436), (601, 23478), (612, 23508), (614, 23514), (670, 23634), (672, 23640), (785, 23994), (794, 24021), (800, 24039), (802, 24048),

Gene: FreddyB_16 Start: 14816, Stop: 16525, Start Num: 129

Candidate Starts for FreddyB_16:

(Start: 129 @14816 has 207 MA's), (205, 14903), (Start: 232 @14948 has 2 MA's), (242, 14972), (279, 15077), (287, 15083), (294, 15101), (309, 15131), (347, 15236), (367, 15296), (376, 15317), (379, 15326), (387, 15350), (432, 15476), (437, 15491), (439, 15497), (452, 15533), (453, 15536), (457, 15548), (458, 15554), (469, 15602), (474, 15614), (475, 15620), (517, 15680), (520, 15692), (531, 15728), (533, 15740), (565, 15815), (568, 15824), (575, 15842), (578, 15848), (590, 15878), (639, 15983), (645, 15995), (659, 16031), (680, 16109), (713, 16229), (723, 16262), (734, 16292), (743, 16322), (746, 16331), (748, 16337), (757, 16352), (758, 16355), (765, 16379), (782, 16409), (790, 16421), (797, 16451), (808, 16493),

Gene: Frizzle_16 Start: 14350, Stop: 15954, Start Num: 171

Candidate Starts for Frizzle_16:

(50, 14044), (Start: 152 @14323 has 16 MA's), (Start: 171 @14350 has 46 MA's), (297, 14605), (298, 14608), (299, 14611), (309, 14635), (311, 14641), (323, 14683), (423, 14905), (436, 14929), (437, 14932), (438, 14935), (458, 14995), (496, 15106), (499, 15109), (529, 15166), (538, 15205), (541, 15211), (597, 15346), (612, 15391), (622, 15421), (709, 15652), (719, 15685), (742, 15745), (750, 15769), (810, 15937), (813, 15943),

Gene: FroggyToad_17 Start: 14704, Stop: 16413, Start Num: 169

Candidate Starts for FroggyToad_17:

(77, 14569), (Start: 169 @14704 has 31 MA's), (199, 14746), (238, 14821), (260, 14893), (261, 14896), (295, 14971), (312, 15025), (327, 15067), (340, 15094), (344, 15106), (352, 15136), (370, 15184), (372, 15187), (385, 15232), (431, 15373), (455, 15454), (469, 15514), (474, 15526), (513, 15562), (543, 15643), (556, 15679), (576, 15712), (585, 15736), (613, 15808), (621, 15832), (701, 16066), (705, 16081), (718, 16123), (749, 16216), (750, 16219), (764, 16267), (774, 16297), (793, 16333),

Gene: Frokostdame_19 Start: 16616, Stop: 18265, Start Num: 171

Candidate Starts for Frokostdame_19:

(143, 16580), (Start: 171 @16616 has 46 MA's), (Start: 178 @16625 has 37 MA's), (237, 16721), (262, 16799), (309, 16898), (319, 16937), (354, 17018), (375, 17072), (380, 17087), (427, 17171), (458, 17258), (467, 17288), (541, 17471), (549, 17495), (571, 17546), (605, 17639), (612, 17651), (626,

17696), (631, 17711), (638, 17738), (677, 17843), (678, 17846), (704, 17945), (709, 17963), (725, 18014), (748, 18074), (750, 18080), (782, 18155),

Gene: Frosty24_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Frosty24_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Fruitloop_16 Start: 14838, Stop: 16547, Start Num: 129

Candidate Starts for Fruitloop_16:

(Start: 129 @14838 has 207 MA's), (Start: 232 @14970 has 2 MA's), (242, 14994), (279, 15099), (287, 15105), (294, 15123), (309, 15153), (347, 15258), (367, 15318), (376, 15339), (379, 15348), (385, 15366), (387, 15372), (432, 15498), (437, 15513), (439, 15519), (452, 15555), (453, 15558), (457, 15570), (458, 15576), (469, 15624), (474, 15636), (475, 15642), (517, 15702), (520, 15714), (531, 15750), (533, 15762), (565, 15837), (568, 15846), (575, 15864), (578, 15870), (590, 15900), (639, 16005), (643, 16014), (645, 16017), (659, 16053), (680, 16131), (706, 16230), (713, 16251), (723, 16284), (734, 16314), (743, 16344), (746, 16353), (748, 16359), (757, 16374), (758, 16377), (765, 16401), (782, 16431), (790, 16443), (797, 16473), (808, 16515),

Gene: Fulbright_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Fulbright_18:

(Start: 134 @14986 has 43 MA's), (Start: 232 @15118 has 2 MA's), (236, 15130), (249, 15166), (265, 15217), (279, 15247), (287, 15253), (297, 15280), (299, 15286), (347, 15406), (364, 15460), (367, 15466), (375, 15484), (379, 15496), (380, 15499), (387, 15520), (398, 15562), (406, 15595), (432, 15646), (437, 15661), (452, 15703), (457, 15718), (458, 15724), (469, 15772), (477, 15796), (493, 15826), (517, 15850), (533, 15910), (537, 15922), (557, 15976), (565, 15985), (589, 16045), (590, 16048), (639, 16153), (643, 16162), (659, 16201), (697, 16339), (742, 16489), (743, 16492), (746, 16501), (757, 16522), (765, 16549), (786, 16585), (813, 16678),

Gene: Fury_50 Start: 30682, Stop: 32301, Start Num: 178

Candidate Starts for Fury_50:

(Start: 178 @30682 has 37 MA's), (189, 30697), (216, 30736), (245, 30796), (273, 30880), (346, 31063), (369, 31129), (375, 31144), (387, 31180), (413, 31255), (438, 31285), (439, 31288), (446, 31306), (458, 31345), (467, 31375), (553, 31579), (567, 31609), (586, 31657), (587, 31660), (627, 31783), (637, 31819), (713, 32005), (768, 32158), (793, 32212), (797, 32224), (801, 32236), (813, 32281),

Gene: GAL1_20 Start: 16985, Stop: 18748, Start Num: 96

Candidate Starts for GAL1_20:

(92, 16976), (96, 16985), (170, 17072), (195, 17108), (227, 17159), (240, 17183), (243, 17189), (263, 17249), (271, 17264), (301, 17339), (304, 17345), (325, 17414), (338, 17444), (346, 17471), (348, 17477), (357, 17507), (362, 17525), (374, 17552), (377, 17561), (380, 17570), (382, 17576), (384, 17582), (393, 17612), (433, 17654), (440, 17675), (443, 17681), (447, 17693), (464, 17759), (469, 17786), (471, 17789), (532, 17915), (550, 17975), (563, 18011), (586, 18071), (587, 18074), (592, 18092), (596, 18101), (620, 18167), (622, 18176), (672, 18290), (679, 18323), (684, 18338), (687, 18347), (699, 18395), (707, 18425), (725, 18482), (726, 18485), (727, 18494), (744, 18536), (757, 18581), (759, 18587), (766, 18611), (768, 18617), (776, 18638), (800, 18692), (806, 18716), (810, 18734), (814, 18743),

Gene: GMA1_19 Start: 15927, Stop: 17480, Start Num: 179

Candidate Starts for GMA1_19:

(Start: 70 @15795 has 1 MA's), (Start: 179 @15927 has 1 MA's), (Start: 232 @16008 has 2 MA's), (250, 16050), (274, 16116), (279, 16125), (280, 16128), (286, 16131), (302, 16179), (309, 16197), (310, 16200), (370, 16365), (381, 16401), (385, 16413), (388, 16425), (455, 16530), (458, 16542), (466, 16569), (537, 16719), (570, 16788), (584, 16824), (625, 16938), (627, 16944), (642, 16974), (647, 16983), (673, 17019), (676, 17031), (686, 17067), (689, 17079), (718, 17190), (722, 17202), (750, 17277), (758, 17310), (761, 17322), (776, 17364), (786, 17373), (804, 17436),

Gene: GMA2_30 Start: 31614, Stop: 33245, Start Num: 160

Candidate Starts for GMA2_30:

(Start: 160 @31614 has 11 MA's), (256, 31785), (274, 31833), (284, 31848), (307, 31893), (365, 32064), (379, 32100), (382, 32109), (384, 32115), (385, 32118), (388, 32130), (451, 32250), (483, 32367), (519, 32412), (589, 32613), (597, 32634), (602, 32649), (622, 32709), (667, 32787), (674, 32808), (676, 32817), (689, 32865), (795, 33171), (808, 33219),

Gene: GRU1_31 Start: 23089, Stop: 24708, Start Num: 178

Candidate Starts for GRU1_31:

(Start: 178 @23089 has 37 MA's), (189, 23104), (Start: 207 @23125 has 1 MA's), (245, 23203), (297, 23341), (346, 23470), (355, 23500), (365, 23527), (369, 23536), (375, 23551), (413, 23662), (438, 23692), (439, 23695), (458, 23752), (550, 23977), (567, 24016), (586, 24064), (627, 24190), (637, 24226), (678, 24283), (692, 24337), (713, 24412), (761, 24544), (793, 24619), (797, 24631), (801, 24643), (803, 24652), (813, 24688),

Gene: GTE2_16 Start: 15173, Stop: 16768, Start Num: 226

Candidate Starts for GTE2_16:

(Start: 150 @15068 has 7 MA's), (Start: 154 @15071 has 33 MA's), (226, 15173), (Start: 232 @15185 has 2 MA's), (265, 15281), (301, 15365), (334, 15455), (353, 15515), (362, 15542), (375, 15572), (376, 15575), (384, 15599), (393, 15629), (398, 15644), (432, 15677), (436, 15689), (437, 15692), (444, 15713), (463, 15782), (467, 15794), (477, 15836), (535, 15959), (587, 16109), (591, 16124), (599, 16142), (620, 16199), (679, 16340), (681, 16346), (685, 16358), (688, 16367), (706, 16439), (707, 16442), (709, 16448), (713, 16460), (744, 16553), (748, 16565), (751, 16574), (759, 16607),

Gene: GTE5_32 Start: 24044, Stop: 25663, Start Num: 178

Candidate Starts for GTE5_32:

(Start: 178 @24044 has 37 MA's), (189, 24059), (Start: 207 @24080 has 1 MA's), (245, 24158), (346, 24425), (355, 24455), (365, 24482), (369, 24491), (375, 24506), (413, 24617), (438, 24647), (439, 24650), (458, 24707), (531, 24884), (550, 24932), (567, 24971), (572, 24980), (586, 25019), (627, 25145), (637, 25181), (678, 25238), (692, 25292), (713, 25367), (761, 25499), (793, 25574), (797, 25586), (801, 25598), (803, 25607), (813, 25643),

Gene: GTE6_32 Start: 28048, Stop: 29667, Start Num: 168

Candidate Starts for GTE6_32:

(Start: 168 @28048 has 11 MA's), (185, 28069), (230, 28132), (274, 28255), (280, 28267), (308, 28324), (338, 28402), (380, 28525), (440, 28639), (451, 28669), (463, 28711), (479, 28774), (517, 28822), (519, 28831), (533, 28882), (550, 28930), (612, 29095), (622, 29125), (674, 29224), (676, 29233), (677, 29236), (689, 29281), (702, 29338), (704, 29344), (705, 29350), (720, 29398), (723, 29407), (725, 29413), (726, 29416), (746, 29467), (761, 29512), (791, 29581), (805, 29629), (808, 29641),

Gene: GTE8_30 Start: 24084, Stop: 25697, Start Num: 178

Candidate Starts for GTE8_30:

(Start: 178 @24084 has 37 MA's), (Start: 207 @24120 has 1 MA's), (245, 24198), (338, 24438), (342, 24450), (346, 24465), (369, 24531), (375, 24546), (383, 24570), (413, 24657), (438, 24687), (439, 24690), (455, 24735), (458, 24747), (469, 24795), (471, 24798), (477, 24819), (549, 24969), (567, 25011), (627, 25185), (637, 25221), (691, 25329), (692, 25332), (713, 25407), (797, 25626), (813, 25683),

Gene: GUmbie_16 Start: 14805, Stop: 16514, Start Num: 129

Candidate Starts for GUmbie_16:

(Start: 129 @14805 has 207 MA's), (205, 14892), (Start: 232 @14937 has 2 MA's), (242, 14961), (279, 15066), (287, 15072), (294, 15090), (309, 15120), (347, 15225), (364, 15279), (367, 15285), (371, 15294), (376, 15306), (379, 15315), (387, 15339), (396, 15375), (398, 15381), (401, 15393), (406, 15414), (407, 15417), (411, 15426), (424, 15441), (425, 15447), (432, 15465), (437, 15480), (439, 15486), (446, 15504), (447, 15507), (452, 15522), (457, 15537), (458, 15543), (467, 15573), (469, 15591), (474, 15603), (475, 15609), (517, 15669), (520, 15681), (531, 15717), (533, 15729), (541, 15750), (565, 15804), (568, 15813), (578, 15837), (590, 15867), (639, 15972), (645, 15984), (659, 16020), (671, 16059), (680, 16098), (706, 16197), (713, 16218), (723, 16251), (734, 16281), (743, 16311), (746, 16320), (748, 16326), (757, 16341), (758, 16344), (764, 16365), (765, 16368), (790, 16410), (797, 16440), (808, 16482), (809, 16488),

Gene: Gabriela_18 Start: 16989, Stop: 18722, Start Num: 131

Candidate Starts for Gabriela_18:

(Start: 131 @16989 has 77 MA's), (188, 17058), (261, 17199), (262, 17202), (285, 17247), (296, 17280), (299, 17289), (312, 17325), (334, 17379), (344, 17406), (347, 17418), (362, 17469), (365, 17475), (378, 17508), (451, 17661), (458, 17685), (460, 17694), (472, 17739), (476, 17754), (517, 17832), (553, 17952), (575, 18015), (601, 18087), (614, 18123), (670, 18243), (672, 18249), (675, 18261), (691, 18324), (715, 18411), (723, 18438), (748, 18507), (754, 18522), (757, 18534), (764, 18558), (794, 18636),

Gene: Gage_26 Start: 19820, Stop: 21415, Start Num: 203

Candidate Starts for Gage_26:

(Start: 137 @19736 has 79 MA's), (Start: 203 @19820 has 47 MA's), (Start: 244 @19898 has 1 MA's), (274, 19985), (287, 20000), (309, 20048), (321, 20087), (353, 20174), (365, 20207), (379, 20243), (388, 20273), (390, 20279), (409, 20348), (435, 20378), (438, 20390), (439, 20393), (458, 20450), (518, 20582), (519, 20588), (538, 20654), (541, 20660), (549, 20684), (568, 20732), (578, 20756), (582, 20765), (606, 20840), (643, 20891), (650, 20906), (698, 21068), (704, 21095), (713, 21125), (747, 21230), (786, 21308), (797, 21344), (800, 21353), (808, 21386), (813, 21401),

Gene: Gaia_16 Start: 15059, Stop: 16948, Start Num: 103

Candidate Starts for Gaia_16:

(Start: 103 @15059 has 2 MA's), (108, 15068), (126, 15089), (Start: 184 @15158 has 1 MA's), (198, 15176), (210, 15194), (237, 15248), (251, 15284), (255, 15299), (256, 15302), (280, 15362), (313, 15455), (330, 15500), (333, 15506), (337, 15512), (344, 15533), (347, 15545), (362, 15593), (378, 15632), (379, 15635), (380, 15638), (391, 15674), (397, 15692), (410, 15719), (415, 15728), (439, 15767), (446, 15785), (460, 15833), (471, 15875), (486, 15929), (487, 15935), (488, 15941), (502, 15971), (505, 16010), (506, 16019), (516, 16043), (518, 16049), (545, 16139), (550, 16154), (575, 16220), (587, 16250), (604, 16298), (612, 16322), (613, 16325), (622, 16352), (640, 16412), (650, 16433), (658, 16454), (674, 16502), (677, 16514), (689, 16559), (704, 16619), (736, 16715), (738, 16721), (746, 16745), (750, 16757), (756, 16766), (761, 16784), (786, 16835), (801, 16883), (803, 16892), (805, 16901), (807, 16910), (808, 16913), (817, 16940),

Gene: Galactic_16 Start: 14803, Stop: 16512, Start Num: 129

Candidate Starts for Galactic_16:

(Start: 129 @14803 has 207 MA's), (205, 14890), (Start: 232 @14935 has 2 MA's), (242, 14959), (279, 15064), (287, 15070), (294, 15088), (309, 15118), (347, 15223), (367, 15283), (376, 15304), (379, 15313), (387, 15337), (432, 15463), (437, 15478), (439, 15484), (452, 15520), (453, 15523), (457, 15535), (458, 15541), (469, 15589), (474, 15601), (475, 15607), (517, 15667), (520, 15679), (531, 15715), (533, 15727), (565, 15802), (568, 15811), (575, 15829), (578, 15835), (590, 15865), (639, 15970), (643, 15979), (645, 15982), (659, 16018), (680, 16096), (706, 16195), (713, 16216), (723, 16249), (734, 16279), (743, 16309), (746, 16318), (748, 16324), (757, 16339), (758, 16342), (765, 16366), (782, 16396), (790, 16408), (797, 16438), (808, 16480),

Gene: Gambino_21 Start: 16962, Stop: 18611, Start Num: 171

Candidate Starts for Gambino_21:

(143, 16926), (Start: 171 @16962 has 46 MA's), (Start: 178 @16971 has 37 MA's), (237, 17067), (262, 17145), (298, 17217), (309, 17244), (319, 17283), (354, 17364), (375, 17418), (458, 17604), (467, 17634), (516, 17733), (541, 17817), (549, 17841), (571, 17892), (605, 17985), (612, 17997), (626, 18042), (631, 18057), (677, 18189), (678, 18192), (704, 18291), (709, 18309), (725, 18360), (748, 18420), (750, 18426), (782, 18501),

Gene: Gancho_21 Start: 17127, Stop: 18869, Start Num: 117

Candidate Starts for Gancho_21:

(56, 16953), (Start: 117 @17127 has 41 MA's), (Start: 125 @17136 has 46 MA's), (189, 17217), (198, 17229), (213, 17253), (220, 17265), (Start: 232 @17286 has 2 MA's), (237, 17301), (262, 17379), (295, 17451), (320, 17541), (352, 17625), (355, 17634), (362, 17655), (387, 17721), (396, 17748), (413, 17781), (433, 17799), (439, 17817), (440, 17820), (446, 17835), (447, 17838), (467, 17904), (468, 17907), (483, 17973), (507, 17997), (534, 18084), (553, 18138), (574, 18183), (577, 18189), (587, 18216), (603, 18261), (633, 18354), (635, 18363), (676, 18441), (716, 18585), (721, 18603), (725, 18615), (731, 18630), (733, 18633), (742, 18654), (764, 18714), (776, 18747), (783, 18753), (786, 18756), (805, 18822), (817, 18861),

Gene: Gandalph_16 Start: 14822, Stop: 16531, Start Num: 129

Candidate Starts for Gandalph_16:

(Start: 129 @14822 has 207 MA's), (205, 14909), (Start: 232 @14954 has 2 MA's), (242, 14978), (279, 15083), (287, 15089), (294, 15107), (309, 15137), (347, 15242), (364, 15296), (367, 15302), (371, 15311), (376, 15323), (379, 15332), (387, 15356), (396, 15392), (398, 15398), (401, 15410), (406, 15431), (407, 15434), (411, 15443), (424, 15458), (425, 15464), (432, 15482), (437, 15497), (439, 15503), (446, 15521), (447, 15524), (452, 15539), (453, 15542), (457, 15554), (458, 15560), (469, 15608), (474, 15620), (475, 15626), (517, 15686), (520, 15698), (531, 15734), (533, 15746), (541, 15767), (565, 15821), (568, 15830), (575, 15848), (578, 15854), (590, 15884), (639, 15989), (643, 15998), (645, 16001), (659, 16037), (671, 16076), (680, 16115), (706, 16214), (713, 16235), (723, 16268), (734, 16298), (743, 16328), (746, 16337), (748, 16343), (757, 16358), (758, 16361), (765, 16385), (782, 16415), (790, 16427), (797, 16457), (808, 16499),

Gene: Ganymede_24 Start: 17168, Stop: 18934, Start Num: 120

Candidate Starts for Ganymede_24:

(Start: 120 @17168 has 139 MA's), (Start: 148 @17198 has 2 MA's), (245, 17357), (255, 17390), (265, 17420), (280, 17453), (287, 17465), (315, 17555), (333, 17597), (358, 17669), (360, 17678), (376, 17717), (390, 17762), (397, 17783), (398, 17786), (433, 17840), (439, 17858), (454, 17900), (456, 17906), (463, 17933), (517, 18071), (521, 18089), (533, 18131), (540, 18149), (551, 18179), (564, 18206), (604, 18311), (666, 18470), (677, 18506), (688, 18545), (707, 18620), (723, 18671), (800, 18866), (809, 18905), (810, 18908), (817, 18926),

Gene: Gardann_18 Start: 16994, Stop: 18727, Start Num: 131

Candidate Starts for Gardann_18:

(Start: 131 @16994 has 77 MA's), (188, 17063), (261, 17204), (262, 17207), (285, 17252), (296, 17285), (299, 17294), (312, 17330), (334, 17384), (344, 17411), (347, 17423), (362, 17474), (365, 17480), (378, 17513), (451, 17666), (458, 17690), (460, 17699), (472, 17744), (476, 17759), (517, 17837), (553, 17957), (575, 18020), (601, 18092), (614, 18128), (670, 18248), (672, 18254), (675, 18266), (691, 18329), (715, 18416), (723, 18443), (748, 18512), (754, 18527), (757, 18539), (764, 18563), (794, 18641),

Gene: GardenSalsa_32 Start: 22870, Stop: 24651, Start Num: 86

Candidate Starts for GardenSalsa_32:

(Start: 86 @22870 has 4 MA's), (Start: 93 @22885 has 2 MA's), (Start: 114 @22912 has 15 MA's), (182, 22990), (188, 22996), (201, 23014), (280, 23176), (285, 23185), (289, 23200), (320, 23287), (327, 23299), (331, 23308), (362, 23404), (368, 23416), (379, 23446), (380, 23449), (390, 23482), (454, 23611), (458, 23626), (463, 23644), (469, 23674), (536, 23836), (539, 23845), (543, 23857), (545, 23863), (579, 23962), (583, 23971), (586, 23980), (610, 24049), (649, 24142), (670, 24181), (672, 24187), (674, 24196), (785, 24541), (794, 24568), (796, 24574), (808, 24619),

Gene: Gator_22 Start: 19361, Stop: 21040, Start Num: 137

Candidate Starts for Gator_22:

(Start: 137 @19361 has 79 MA's), (Start: 203 @19445 has 47 MA's), (Start: 244 @19523 has 1 MA's), (274, 19610), (287, 19625), (309, 19673), (321, 19712), (353, 19799), (365, 19832), (379, 19868), (388, 19898), (390, 19904), (409, 19973), (435, 20003), (438, 20015), (439, 20018), (458, 20075), (518, 20207), (519, 20213), (538, 20279), (541, 20285), (549, 20309), (568, 20357), (578, 20381), (582, 20390), (606, 20465), (643, 20516), (650, 20531), (698, 20693), (704, 20720), (713, 20750), (747, 20855), (786, 20933), (797, 20969), (800, 20978), (808, 21011), (813, 21026),

Gene: Gattaca_49 Start: 26580, Stop: 28292, Start Num: 131

Candidate Starts for Gattaca_49:

(90, 26517), (Start: 131 @26580 has 77 MA's), (196, 26661), (237, 26718), (262, 26799), (266, 26805), (291, 26862), (295, 26874), (299, 26886), (313, 26925), (317, 26940), (346, 27009), (362, 27063), (366, 27072), (443, 27228), (458, 27276), (460, 27285), (463, 27294), (473, 27333), (477, 27348), (517, 27411), (520, 27423), (556, 27540), (557, 27543), (575, 27594), (586, 27621), (587, 27624), (593, 27645), (607, 27687), (665, 27807), (672, 27825), (709, 27969), (723, 28014), (727, 28032), (756, 28116), (759, 28125), (764, 28143), (771, 28164), (794, 28209), (796, 28215), (800, 28227), (803, 28239), (808, 28260), (813, 28275), (815, 28281),

Gene: Gavriela_19 Start: 16273, Stop: 18009, Start Num: 125

Candidate Starts for Gavriela_19:

(Start: 106 @16249 has 2 MA's), (Start: 125 @16273 has 46 MA's), (175, 16333), (189, 16354), (190, 16357), (253, 16477), (265, 16516), (280, 16549), (295, 16573), (342, 16693), (353, 16732), (355, 16738), (385, 16822), (387, 16828), (390, 16840), (396, 16864), (403, 16891), (409, 16909), (429, 16948), (432, 16954), (440, 16978), (458, 17032), (461, 17044), (464, 17053), (479, 17113), (522, 17191), (533, 17230), (545, 17263), (568, 17329), (578, 17353), (587, 17377), (597, 17407), (656, 17521), (662, 17533), (664, 17542), (665, 17551), (696, 17659), (719, 17743), (752, 17842), (800, 17950), (813, 17998),

Gene: Geeche_47 Start: 29431, Stop: 31122, Start Num: 152

Candidate Starts for Geeche_47:

(Start: 152 @29431 has 16 MA's), (193, 29491), (214, 29524), (233, 29557), (280, 29683), (296, 29716), (299, 29725), (348, 29854), (363, 29902), (458, 30115), (459, 30121), (467, 30145), (524, 30274), (531, 30295), (541, 30328), (605, 30526), (678, 30679), (704, 30778), (707, 30790), (710, 30799), (740, 30883), (798, 31030), (807, 31066), (810, 31078),

Gene: GemG_17 Start: 14758, Stop: 16467, Start Num: 169

Candidate Starts for GemG_17:

(Start: 169 @14758 has 31 MA's), (238, 14875), (295, 15025), (309, 15064), (312, 15079), (340, 15148), (344, 15160), (370, 15238), (372, 15241), (410, 15373), (431, 15427), (455, 15508), (469, 15568), (472, 15574), (474, 15580), (529, 15661), (543, 15697), (556, 15733), (570, 15751), (585, 15790), (613, 15862), (621, 15886), (701, 16120), (705, 16135), (718, 16177), (749, 16270), (750, 16273), (764, 16321), (774, 16351),

Gene: Gemini_27 Start: 20253, Stop: 21932, Start Num: 137

Candidate Starts for Gemini_27:

(Start: 137 @20253 has 79 MA's), (Start: 203 @20337 has 47 MA's), (Start: 244 @20415 has 1 MA's), (274, 20502), (287, 20517), (309, 20565), (321, 20604), (353, 20691), (365, 20724), (379, 20760), (388, 20790), (390, 20796), (409, 20865), (435, 20895), (438, 20907), (439, 20910), (458, 20967), (518, 21099), (519, 21105), (538, 21171), (541, 21177), (549, 21201), (568, 21249), (578, 21273), (582, 21282), (606, 21357), (643, 21408), (650, 21423), (698, 21585), (704, 21612), (713, 21642), (747, 21747), (786, 21825), (797, 21861), (800, 21870), (808, 21903), (813, 21918),

Gene: GenevaB15_32 Start: 22915, Stop: 24696, Start Num: 86

Candidate Starts for GenevaB15_32:

(Start: 86 @22915 has 4 MA's), (Start: 93 @22930 has 2 MA's), (Start: 114 @22957 has 15 MA's), (182, 23035), (188, 23041), (201, 23059), (280, 23221), (285, 23230), (289, 23245), (320, 23332), (327, 23344), (331, 23353), (362, 23449), (368, 23461), (379, 23491), (380, 23494), (390, 23527), (454, 23656), (458, 23671), (463, 23689), (536, 23881), (539, 23890), (543, 23902), (545, 23908), (579, 24007), (583, 24016), (586, 24025), (610, 24094), (635, 24172), (649, 24187), (670, 24226), (672, 24232), (785, 24586), (794, 24613), (796, 24619),

Gene: Gengar_21 Start: 17520, Stop: 19292, Start Num: 123

Candidate Starts for Gengar_21:

(Start: 123 @17520 has 15 MA's), (127, 17526), (Start: 151 @17550 has 2 MA's), (177, 17583), (210, 17631), (237, 17685), (255, 17736), (280, 17799), (317, 17907), (358, 18015), (397, 18129), (398, 18132), (417, 18171), (433, 18186), (437, 18198), (439, 18204), (454, 18246), (456, 18252), (467, 18291), (472, 18315), (517, 18417), (534, 18480), (550, 18525), (604, 18660), (635, 18759), (670, 18837), (676, 18861), (681, 18882), (707, 18978), (709, 18984), (764, 19137), (804, 19242), (805, 19245), (809, 19263),

Gene: Geraldini_23 Start: 17164, Stop: 18930, Start Num: 120

Candidate Starts for Geraldini_23:

(Start: 120 @17164 has 139 MA's), (Start: 148 @17194 has 2 MA's), (245, 17353), (255, 17386), (265, 17416), (280, 17449), (287, 17461), (315, 17551), (333, 17593), (358, 17665), (360, 17674), (376, 17713), (390, 17758), (397, 17779), (398, 17782), (433, 17836), (439, 17854), (454, 17896), (456, 17902), (463, 17929), (517, 18067), (521, 18085), (533, 18127), (540, 18145), (551, 18175), (564, 18202), (604, 18307), (666, 18466), (677, 18502), (688, 18541), (707, 18616), (723, 18667), (800, 18862), (809, 18901), (810, 18904), (817, 18922),

Gene: Geralt_16 Start: 14805, Stop: 16514, Start Num: 129

Candidate Starts for Geralt_16:

(Start: 129 @14805 has 207 MA's), (205, 14892), (Start: 232 @14937 has 2 MA's), (242, 14961), (279, 15066), (287, 15072), (294, 15090), (309, 15120), (347, 15225), (367, 15285), (376, 15306), (379, 15315), (387, 15339), (432, 15465), (437, 15480), (439, 15486), (452, 15522), (453, 15525), (457, 15537), (458, 15543), (469, 15591), (474, 15603), (475, 15609), (517, 15669), (520, 15681), (531, 15717), (533, 15729), (565, 15804), (568, 15813), (575, 15831), (578, 15837), (590, 15867), (639, 15972), (643, 15981), (645, 15984), (659, 16020), (680, 16098), (706, 16197), (713, 16218), (723, 16251), (734, 16281), (743, 16311), (746, 16320), (748, 16326), (757, 16341), (758, 16344), (765, 16368), (782, 16398), (790, 16410), (797, 16440), (808, 16482),

Gene: Gex_18 Start: 14985, Stop: 16694, Start Num: 134

Candidate Starts for Gex_18:

(Start: 134 @14985 has 43 MA's), (161, 15012), (Start: 232 @15117 has 2 MA's), (236, 15129), (249, 15165), (265, 15216), (279, 15246), (287, 15252), (297, 15279), (299, 15285), (347, 15405), (364, 15459), (367, 15465), (375, 15483), (379, 15495), (380, 15498), (387, 15519), (398, 15561), (406, 15594), (432, 15645), (437, 15660), (452, 15702), (457, 15717), (458, 15723), (469, 15771), (477, 15795), (493, 15825), (517, 15849), (533, 15909), (537, 15921), (557, 15975), (565, 15984), (589, 16044), (590, 16047), (639, 16152), (643, 16161), (659, 16200), (697, 16338), (742, 16488), (743, 16491), (746, 16500), (757, 16521), (765, 16548), (786, 16584), (813, 16677),

Gene: Ghobes_16 Start: 14348, Stop: 15952, Start Num: 171

Candidate Starts for Ghobes_16:

(50, 14042), (Start: 152 @14321 has 16 MA's), (Start: 171 @14348 has 46 MA's), (297, 14603), (298, 14606), (299, 14609), (309, 14633), (311, 14639), (323, 14681), (338, 14699), (381, 14825), (423, 14903), (436, 14927), (437, 14930), (438, 14933), (458, 14993), (496, 15104), (499, 15107), (529, 15164), (538, 15203), (541, 15209), (549, 15233), (612, 15389), (622, 15419), (709, 15650), (719, 15683), (742, 15743), (750, 15767), (810, 15935), (813, 15941),

Gene: Gibbous_18 Start: 15938, Stop: 17629, Start Num: 154

Candidate Starts for Gibbous_18:

(Start: 154 @15938 has 33 MA's), (Start: 232 @16052 has 2 MA's), (245, 16085), (317, 16286), (334, 16322), (362, 16409), (398, 16511), (432, 16544), (436, 16556), (437, 16559), (454, 16616), (463, 16649), (468, 16664), (474, 16691), (484, 16730), (516, 16766), (518, 16772), (535, 16826), (543, 16850), (555, 16889), (557, 16895), (586, 16967), (591, 16985), (594, 16994), (599, 17003), (620, 17060), (624, 17078), (677, 17189), (679, 17201), (684, 17216), (688, 17228), (706, 17300), (707, 17303), (739, 17399), (748, 17426), (754, 17450), (759, 17468),

Gene: Gideon_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Gideon_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: GigiOuiOui_16 Start: 14934, Stop: 16643, Start Num: 129

Candidate Starts for GigiOuiOui_16:

(Start: 129 @14934 has 207 MA's), (205, 15021), (219, 15042), (Start: 232 @15066 has 2 MA's), (242, 15090), (279, 15195), (287, 15201), (294, 15219), (309, 15249), (347, 15354), (364, 15408), (367, 15414), (371, 15423), (379, 15444), (387, 15468), (396, 15504), (398, 15510), (406, 15543), (407, 15546), (411, 15555), (424, 15570), (425, 15576), (432, 15594), (437, 15609), (439, 15615), (446, 15633), (447, 15636), (452, 15651), (457, 15666), (458, 15672), (469, 15720), (474, 15732), (475, 15738), (517, 15798), (520, 15810), (531, 15846), (533, 15858), (565, 15933), (568, 15942), (575, 15960), (578, 15966), (590, 15996), (639, 16101), (645, 16113), (659, 16149), (680, 16227), (713, 16347), (723, 16380), (734, 16410), (737, 16422), (743, 16440), (745, 16446), (746, 16449), (748, 16455), (757, 16470), (758, 16473), (764, 16494), (765, 16497), (790, 16539), (797, 16569), (808, 16611), (809, 16617),

Gene: Giles_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Giles_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574, 18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: Girafales_17 Start: 14636, Stop: 16345, Start Num: 129

Candidate Starts for Girafales_17:

(Start: 129 @14636 has 207 MA's), (205, 14723), (Start: 232 @14768 has 2 MA's), (242, 14792), (279, 14897), (287, 14903), (294, 14921), (309, 14951), (347, 15056), (367, 15116), (376, 15137), (379, 15146), (387, 15170), (432, 15296), (437, 15311), (439, 15317), (446, 15335), (447, 15338), (452, 15353), (453, 15356), (457, 15368), (458, 15374), (460, 15383), (469, 15422), (474, 15434), (475, 15440), (517, 15500), (531, 15548), (533, 15560), (565, 15635), (568, 15644), (575, 15662), (578, 15668), (590, 15698), (639, 15803), (645, 15815), (659, 15851), (680, 15929), (706, 16028), (713, 16049), (723, 16082), (734, 16112), (743, 16142), (746, 16151), (748, 16157), (757, 16172), (758, 16175), (764, 16196), (765, 16199), (790, 16241), (797, 16271), (808, 16313),

Gene: Girr_16 Start: 14774, Stop: 16483, Start Num: 129

Candidate Starts for Girr_16:

(Start: 129 @14774 has 207 MA's), (205, 14861), (Start: 232 @14906 has 2 MA's), (242, 14930), (279, 15035), (287, 15041), (294, 15059), (309, 15089), (347, 15194), (364, 15248), (367, 15254), (371, 15263), (376, 15275), (379, 15284), (387, 15308), (396, 15344), (398, 15350), (401, 15362), (406, 15383), (407, 15386), (411, 15395), (424, 15410), (425, 15416), (432, 15434), (437, 15449), (439, 15455), (446, 15473), (447, 15476), (452, 15491), (457, 15506), (458, 15512), (467, 15542), (469, 15560), (474, 15572), (475, 15578), (517, 15638), (520, 15650), (531, 15686), (533, 15698), (541, 15719), (565, 15773), (568, 15782), (578, 15806), (590, 15836), (639, 15941), (645, 15953), (659, 15989), (671, 16028), (680, 16067), (706, 16166), (713, 16187), (723, 16220), (734, 16250), (743, 16280), (746, 16289), (748, 16295), (757, 16310), (758, 16313), (764, 16334), (765, 16337), (790, 16379), (797, 16409), (808, 16451), (809, 16457),

Gene: Gizermo_17 Start: 14758, Stop: 16467, Start Num: 169

Candidate Starts for Gizermo_17:

(Start: 169 @14758 has 31 MA's), (238, 14875), (295, 15025), (309, 15064), (312, 15079), (340, 15148), (344, 15160), (370, 15238), (372, 15241), (410, 15373), (431, 15427), (455, 15508), (469, 15568), (472, 15574), (474, 15580), (529, 15661), (543, 15697), (556, 15733), (570, 15751), (585, 15790), (613, 15862), (621, 15886), (701, 16120), (705, 16135), (718, 16177), (749, 16270), (750, 16273), (764, 16321), (774, 16351),

Gene: Glaske_19 Start: 16273, Stop: 18009, Start Num: 125

Candidate Starts for Glaske_19:

(Start: 106 @16249 has 2 MA's), (Start: 125 @16273 has 46 MA's), (175, 16333), (189, 16354), (190, 16357), (253, 16477), (265, 16516), (280, 16549), (295, 16573), (342, 16693), (353, 16732), (355, 16738), (385, 16822), (387, 16828), (390, 16840), (396, 16864), (403, 16891), (409, 16909), (429, 16948), (432, 16954), (440, 16978), (458, 17032), (461, 17044), (464, 17053), (479, 17113), (522, 17191), (533, 17230), (545, 17263), (568, 17329), (578, 17353), (587, 17377), (597, 17407), (656, 17521), (662, 17533), (664, 17542), (665, 17551), (696, 17659), (719, 17743), (752, 17842), (800, 17950), (813, 17998),

Gene: Glaske16_29 Start: 22367, Stop: 24103, Start Num: 114

Candidate Starts for Glaske16_29:

(51, 22145), (Start: 86 @22325 has 4 MA's), (Start: 93 @22340 has 2 MA's), (Start: 114 @22367 has 15 MA's), (132, 22382), (Start: 167 @22421 has 53 MA's), (188, 22451), (191, 22457), (201, 22469), (257, 22574), (261, 22589), (280, 22628), (327, 22751), (331, 22760), (362, 22856), (379, 22898), (380, 22901), (458, 23078), (496, 23189), (517, 23216), (536, 23288), (539, 23297), (540, 23300), (544, 23312), (586, 23432), (587, 23435), (601, 23477), (612, 23507), (614, 23513), (670, 23633), (672, 23639), (785, 23993), (794, 24020), (800, 24038), (802, 24047),

Gene: Glexan_22 Start: 19446, Stop: 21041, Start Num: 203

Candidate Starts for Glexan_22:

(Start: 137 @19362 has 79 MA's), (Start: 203 @19446 has 47 MA's), (Start: 244 @19524 has 1 MA's), (274, 19611), (287, 19626), (309, 19674), (321, 19713), (353, 19800), (365, 19833), (379, 19869), (388, 19899), (390, 19905), (409, 19974), (435, 20004), (438, 20016), (439, 20019), (458, 20076), (518, 20208), (519, 20214), (538, 20280), (541, 20286), (549, 20310), (568, 20358), (578, 20382), (582, 20391), (606, 20466), (643, 20517), (650, 20532), (698, 20694), (704, 20721), (713, 20751), (747, 20856), (786, 20934), (797, 20970), (800, 20979), (808, 21012), (813, 21027),

Gene: GodonK_89 Start: 52336, Stop: 53952, Start Num: 168

Candidate Starts for GodonK_89:

(Start: 168 @52336 has 11 MA's), (176, 52342), (Start: 232 @52426 has 2 MA's), (256, 52495), (266, 52525), (268, 52528), (284, 52558), (300, 52597), (362, 52768), (373, 52792), (379, 52810), (385, 52828), (394, 52858), (438, 52924), (439, 52927), (451, 52960), (468, 53017), (469, 53032), (471, 53035), (472, 53038), (516, 53110), (520, 53125), (524, 53140), (531, 53161), (534, 53176), (589, 53320), (597, 53341), (602, 53356), (627, 53434), (646, 53461), (648, 53467), (677, 53527), (689, 53572), (704, 53629), (706, 53638), (713, 53659), (761, 53797), (764, 53806),

Gene: Goku_24 Start: 19460, Stop: 21139, Start Num: 137

Candidate Starts for Goku_24:

(Start: 137 @19460 has 79 MA's), (Start: 203 @19544 has 47 MA's), (Start: 244 @19622 has 1 MA's), (274, 19709), (287, 19724), (309, 19772), (321, 19811), (353, 19898), (365, 19931), (379, 19967), (388, 19997), (390, 20003), (409, 20072), (435, 20102), (438, 20114), (439, 20117), (458, 20174), (518, 20306), (519, 20312), (538, 20378), (541, 20384), (549, 20408), (568, 20456), (578, 20480), (582, 20489), (606, 20564), (643, 20615), (650, 20630), (698, 20792), (704, 20819), (713, 20849), (747, 20954), (786, 21032), (797, 21068), (800, 21077), (808, 21110), (813, 21125),

Gene: GoldHunter_19 Start: 15730, Stop: 17430, Start Num: 150

Candidate Starts for GoldHunter_19:

(Start: 150 @15730 has 7 MA's), (Start: 154 @15733 has 33 MA's), (265, 15943), (313, 16066), (334, 16117), (362, 16204), (366, 16213), (375, 16234), (380, 16249), (384, 16261), (432, 16339), (436, 16351), (446, 16378), (454, 16411), (463, 16444), (467, 16456), (477, 16498), (535, 16621), (558, 16693), (587, 16771), (591, 16786), (599, 16804), (620, 16861), (666, 16954), (677, 16990), (679, 17002), (681, 17008), (685, 17020), (688, 17029), (706, 17101), (707, 17104), (709, 17110), (713, 17122), (731, 17182), (748, 17227), (751, 17236), (759, 17269), (790, 17335),

Gene: GoldenAsh_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for GoldenAsh_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: GoldenSpark_26 Start: 19736, Stop: 21415, Start Num: 137

Candidate Starts for GoldenSpark_26:

(Start: 137 @19736 has 79 MA's), (Start: 203 @19820 has 47 MA's), (Start: 244 @19898 has 1 MA's),
(274, 19985), (287, 20000), (309, 20048), (321, 20087), (353, 20174), (365, 20207), (379, 20243),
(388, 20273), (390, 20279), (409, 20348), (435, 20378), (438, 20390), (439, 20393), (458, 20450),
(518, 20582), (519, 20588), (538, 20654), (541, 20660), (549, 20684), (568, 20732), (578, 20756),
(582, 20765), (606, 20840), (643, 20891), (650, 20906), (698, 21068), (704, 21095), (713, 21125),
(747, 21230), (786, 21308), (797, 21344), (800, 21353), (808, 21386), (813, 21401),

Gene: Goldilocks_25 Start: 19156, Stop: 20835, Start Num: 137

Candidate Starts for Goldilocks_25:

(Start: 137 @19156 has 79 MA's), (Start: 203 @19240 has 47 MA's), (Start: 244 @19318 has 1 MA's),
(274, 19405), (287, 19420), (309, 19468), (321, 19507), (353, 19594), (365, 19627), (379, 19663),
(388, 19693), (390, 19699), (409, 19768), (435, 19798), (438, 19810), (439, 19813), (458, 19870),
(518, 20002), (519, 20008), (538, 20074), (541, 20080), (549, 20104), (568, 20152), (578, 20176),
(582, 20185), (606, 20260), (643, 20311), (650, 20326), (698, 20488), (704, 20515), (713, 20545),
(747, 20650), (786, 20728), (797, 20764), (800, 20773), (808, 20806), (813, 20821),

Gene: Gomashi_18 Start: 16650, Stop: 18404, Start Num: 142

Candidate Starts for Gomashi_18:

(Start: 111 @16641 has 26 MA's), (Start: 142 @16650 has 43 MA's), (Start: 148 @16656 has 2 MA's),
(155, 16662), (237, 16794), (255, 16845), (265, 16875), (275, 16899), (313, 17001), (328, 17040),
(330, 17046), (338, 17061), (351, 17106), (393, 17226), (418, 17283), (439, 17322), (456, 17370),
(463, 17397), (467, 17409), (491, 17490), (517, 17535), (587, 17733), (598, 17763), (604, 17781),
(613, 17808), (638, 17892), (653, 17910), (662, 17925), (676, 17973), (679, 17988), (698, 18051),
(713, 18108), (725, 18147), (742, 18189), (761, 18240), (800, 18336), (817, 18396),

Gene: Gonephishing_32 Start: 25229, Stop: 26962, Start Num: 131

Candidate Starts for Gonephishing_32:

(Start: 131 @25229 has 77 MA's), (Start: 203 @25319 has 47 MA's), (205, 25322), (251, 25424), (274,
25490), (295, 25526), (310, 25556), (313, 25571), (345, 25655), (355, 25691), (365, 25718), (380,
25757), (390, 25790), (393, 25799), (407, 25856), (428, 25898), (455, 25973), (458, 25985), (474,
26045), (475, 26051), (506, 26099), (518, 26129), (522, 26147), (526, 26156), (534, 26189), (538,
26201), (541, 26207), (554, 26246), (578, 26303), (650, 26453), (656, 26471), (670, 26513), (676,
26537), (677, 26540), (680, 26555), (689, 26585), (698, 26615), (713, 26672), (767, 26822), (813,
26948),

Gene: GooberAzure_26 Start: 19736, Stop: 21415, Start Num: 137

Candidate Starts for GooberAzure_26:

(Start: 137 @19736 has 79 MA's), (Start: 203 @19820 has 47 MA's), (Start: 244 @19898 has 1 MA's),
(274, 19985), (287, 20000), (309, 20048), (321, 20087), (353, 20174), (365, 20207), (379, 20243),
(388, 20273), (390, 20279), (409, 20348), (435, 20378), (438, 20390), (439, 20393), (458, 20450),
(518, 20582), (519, 20588), (538, 20654), (541, 20660), (549, 20684), (568, 20732), (578, 20756),
(582, 20765), (606, 20840), (643, 20891), (650, 20906), (698, 21068), (704, 21095), (713, 21125),
(747, 21230), (786, 21308), (797, 21344), (800, 21353), (808, 21386), (813, 21401),

Gene: GoongGoong_49 Start: 26620, Stop: 28332, Start Num: 131

Candidate Starts for GoongGoong_49:

(90, 26557), (Start: 131 @26620 has 77 MA's), (196, 26701), (237, 26758), (262, 26839), (266, 26845),
(291, 26902), (295, 26914), (299, 26926), (313, 26965), (317, 26980), (346, 27049), (362, 27103),
(366, 27112), (443, 27268), (458, 27316), (460, 27325), (463, 27334), (473, 27373), (477, 27388),
(517, 27451), (520, 27463), (556, 27580), (557, 27583), (575, 27634), (586, 27661), (587, 27664),
(593, 27685), (607, 27727), (665, 27847), (672, 27865), (709, 28009), (723, 28054), (727, 28072),
(756, 28156), (764, 28183), (771, 28204), (794, 28249), (796, 28255), (800, 28267), (803, 28279),

(806, 28291), (813, 28315), (815, 28321),

Gene: Gorge_16 Start: 14790, Stop: 16499, Start Num: 129

Candidate Starts for Gorge_16:

(Start: 129 @14790 has 207 MA's), (205, 14877), (Start: 232 @14922 has 2 MA's), (242, 14946), (258, 15003), (279, 15051), (287, 15057), (294, 15075), (309, 15105), (347, 15210), (364, 15264), (367, 15270), (371, 15279), (379, 15300), (387, 15324), (396, 15360), (398, 15366), (406, 15399), (407, 15402), (411, 15411), (424, 15426), (425, 15432), (432, 15450), (437, 15465), (439, 15471), (446, 15489), (447, 15492), (452, 15507), (457, 15522), (458, 15528), (469, 15576), (474, 15588), (475, 15594), (477, 15600), (517, 15654), (520, 15666), (531, 15702), (533, 15714), (565, 15789), (568, 15798), (575, 15816), (578, 15822), (590, 15852), (639, 15957), (645, 15969), (659, 16005), (680, 16083), (713, 16203), (723, 16236), (734, 16266), (737, 16278), (743, 16296), (745, 16302), (746, 16305), (748, 16311), (757, 16326), (758, 16329), (764, 16350), (765, 16353), (790, 16395), (797, 16425), (808, 16467), (809, 16473),

Gene: GrandSlam_22 Start: 17878, Stop: 19584, Start Num: 172

Candidate Starts for GrandSlam_22:

(Start: 106 @17803 has 2 MA's), (Start: 172 @17878 has 16 MA's), (Start: 232 @17971 has 2 MA's), (237, 17986), (239, 17992), (264, 18067), (296, 18139), (332, 18250), (348, 18295), (353, 18313), (358, 18325), (437, 18496), (440, 18505), (443, 18511), (470, 18607), (483, 18658), (537, 18781), (551, 18820), (602, 18952), (637, 19066), (676, 19153), (706, 19267), (709, 19276), (746, 19381), (783, 19468), (817, 19576),

Gene: Gravaillia_22 Start: 17133, Stop: 18875, Start Num: 117

Candidate Starts for Gravaillia_22:

(56, 16959), (Start: 117 @17133 has 41 MA's), (Start: 125 @17142 has 46 MA's), (198, 17235), (213, 17259), (220, 17271), (Start: 232 @17292 has 2 MA's), (237, 17307), (262, 17385), (295, 17457), (320, 17547), (344, 17601), (352, 17631), (355, 17640), (362, 17661), (387, 17727), (396, 17754), (413, 17787), (433, 17805), (439, 17823), (440, 17826), (446, 17841), (447, 17844), (467, 17910), (468, 17913), (483, 17979), (507, 18003), (534, 18090), (553, 18144), (574, 18189), (577, 18195), (587, 18222), (603, 18267), (633, 18360), (635, 18369), (676, 18447), (716, 18591), (721, 18609), (725, 18621), (731, 18636), (733, 18639), (742, 18660), (764, 18720), (776, 18753), (783, 18759), (786, 18762), (805, 18828), (817, 18867),

Gene: GreaseLightnin_19 Start: 16367, Stop: 18127, Start Num: 106

Candidate Starts for GreaseLightnin_19:

(Start: 106 @16367 has 2 MA's), (Start: 125 @16391 has 46 MA's), (175, 16451), (189, 16472), (190, 16475), (253, 16595), (265, 16634), (280, 16667), (295, 16691), (342, 16811), (353, 16850), (355, 16856), (385, 16940), (387, 16946), (390, 16958), (396, 16982), (403, 17009), (409, 17027), (429, 17066), (432, 17072), (440, 17096), (458, 17150), (461, 17162), (464, 17171), (479, 17231), (522, 17309), (533, 17348), (545, 17381), (568, 17447), (574, 17462), (578, 17471), (587, 17495), (597, 17525), (602, 17537), (656, 17639), (662, 17651), (663, 17654), (664, 17660), (665, 17669), (696, 17777), (719, 17861), (752, 17960), (800, 18068), (813, 18116),

Gene: Grimmer_17 Start: 15467, Stop: 17176, Start Num: 129

Candidate Starts for Grimmer_17:

(Start: 129 @15467 has 207 MA's), (205, 15554), (Start: 232 @15599 has 2 MA's), (242, 15623), (248, 15644), (279, 15728), (287, 15734), (294, 15752), (309, 15782), (347, 15887), (367, 15947), (371, 15956), (376, 15968), (379, 15977), (385, 15995), (387, 16001), (398, 16043), (406, 16076), (411, 16088), (424, 16103), (425, 16109), (432, 16127), (437, 16142), (439, 16148), (447, 16169), (452, 16184), (453, 16187), (457, 16199), (458, 16205), (469, 16253), (474, 16265), (475, 16271), (517, 16331), (520, 16343), (531, 16379), (533, 16391), (541, 16412), (565, 16466), (568, 16475), (575, 16493), (578, 16499), (590, 16529), (639, 16634), (643, 16643), (645, 16646), (659, 16682), (671,

16721), (680, 16760), (706, 16859), (713, 16880), (723, 16913), (734, 16943), (743, 16973), (746, 16982), (748, 16988), (757, 17003), (758, 17006), (764, 17027), (765, 17030), (790, 17072), (808, 17144), (809, 17150),

Gene: Grizzly_18 Start: 16643, Stop: 18406, Start Num: 111

Candidate Starts for Grizzly_18:

(53, 16439), (Start: 111 @16643 has 26 MA's), (Start: 142 @16652 has 43 MA's), (Start: 148 @16658 has 2 MA's), (155, 16664), (210, 16742), (237, 16796), (255, 16847), (265, 16877), (275, 16901), (287, 16922), (313, 17003), (328, 17042), (330, 17048), (338, 17063), (351, 17108), (393, 17228), (418, 17285), (439, 17324), (454, 17366), (456, 17372), (463, 17399), (467, 17411), (491, 17492), (517, 17537), (531, 17585), (587, 17735), (598, 17765), (604, 17783), (613, 17810), (653, 17912), (662, 17927), (676, 17975), (679, 17990), (698, 18053), (713, 18110), (725, 18149), (742, 18191), (761, 18242), (800, 18338), (817, 18398),

Gene: GrootJr_43 Start: 30207, Stop: 31820, Start Num: 178

Candidate Starts for GrootJr_43:

(Start: 178 @30207 has 37 MA's), (Start: 207 @30243 has 1 MA's), (216, 30261), (245, 30321), (338, 30561), (342, 30573), (346, 30588), (369, 30654), (375, 30669), (383, 30693), (384, 30696), (413, 30780), (438, 30810), (439, 30813), (458, 30870), (469, 30918), (471, 30921), (477, 30942), (531, 31047), (549, 31092), (567, 31134), (627, 31308), (636, 31338), (637, 31344), (691, 31452), (692, 31455), (713, 31530), (797, 31749), (813, 31806),

Gene: Guacamole_19 Start: 16654, Stop: 18300, Start Num: 171

Candidate Starts for Guacamole_19:

(143, 16618), (Start: 171 @16654 has 46 MA's), (237, 16756), (262, 16834), (265, 16837), (309, 16933), (319, 16972), (354, 17053), (375, 17107), (380, 17122), (458, 17293), (467, 17323), (541, 17506), (549, 17530), (550, 17533), (571, 17581), (605, 17674), (612, 17686), (626, 17731), (631, 17746), (677, 17878), (678, 17881), (704, 17980), (709, 17998), (725, 18049), (750, 18115), (772, 18178), (782, 18190),

Gene: Guanica15_23 Start: 16380, Stop: 18146, Start Num: 120

Candidate Starts for Guanica15_23:

(Start: 120 @16380 has 139 MA's), (Start: 125 @16386 has 46 MA's), (Start: 148 @16410 has 2 MA's), (245, 16569), (255, 16602), (265, 16632), (266, 16635), (280, 16665), (287, 16677), (315, 16767), (333, 16809), (358, 16881), (360, 16890), (376, 16929), (390, 16974), (397, 16995), (398, 16998), (439, 17070), (454, 17112), (456, 17118), (463, 17145), (517, 17283), (521, 17301), (533, 17343), (540, 17361), (551, 17391), (604, 17523), (633, 17613), (677, 17718), (685, 17748), (707, 17832), (723, 17883), (761, 17982), (800, 18078), (809, 18117), (810, 18120), (817, 18138),

Gene: Gudmit_18 Start: 15558, Stop: 17267, Start Num: 169

Candidate Starts for Gudmit_18:

(159, 15543), (Start: 169 @15558 has 31 MA's), (295, 15822), (312, 15876), (340, 15945), (344, 15957), (352, 15987), (370, 16035), (406, 16161), (434, 16245), (441, 16266), (445, 16278), (455, 16308), (469, 16368), (513, 16416), (542, 16494), (556, 16533), (570, 16551), (584, 16587), (601, 16629), (614, 16665), (621, 16686), (622, 16689), (666, 16782), (705, 16935), (710, 16950), (718, 16977), (750, 17073), (764, 17121), (774, 17151), (801, 17211),

Gene: Guillsminger_21 Start: 17495, Stop: 19267, Start Num: 123

Candidate Starts for Guillsminger_21:

(Start: 123 @17495 has 15 MA's), (127, 17501), (Start: 151 @17525 has 2 MA's), (177, 17558), (210, 17606), (237, 17660), (255, 17711), (280, 17774), (317, 17882), (358, 17990), (397, 18104), (398, 18107), (417, 18146), (433, 18161), (437, 18173), (439, 18179), (454, 18221), (456, 18227), (467, 18266), (472, 18290), (517, 18392), (534, 18455), (550, 18500), (604, 18635), (635, 18734), (670,

18812), (676, 18836), (678, 18842), (681, 18857), (707, 18953), (709, 18959), (764, 19112), (804, 19217), (805, 19220), (809, 19238),

Gene: Gustav_18 Start: 15136, Stop: 16749, Start Num: 160

Candidate Starts for Gustav_18:

(Start: 160 @15136 has 11 MA's), (Start: 164 @15142 has 4 MA's), (191, 15181), (228, 15232), (230, 15235), (242, 15265), (299, 15412), (326, 15481), (363, 15586), (376, 15616), (422, 15703), (440, 15742), (455, 15784), (474, 15856), (483, 15889), (496, 15901), (520, 15940), (531, 15976), (532, 15979), (537, 16000), (552, 16042), (571, 16084), (602, 16159), (605, 16177), (612, 16189), (613, 16192), (670, 16303), (674, 16318), (676, 16327), (689, 16375), (759, 16585), (801, 16693),

Gene: GuuelaD_18 Start: 17023, Stop: 18756, Start Num: 131

Candidate Starts for GuuelaD_18:

(Start: 131 @17023 has 77 MA's), (188, 17092), (261, 17233), (262, 17236), (278, 17266), (285, 17281), (296, 17314), (299, 17323), (312, 17359), (334, 17413), (344, 17440), (362, 17503), (365, 17509), (378, 17542), (393, 17590), (451, 17695), (458, 17719), (460, 17728), (472, 17773), (477, 17791), (490, 17824), (517, 17866), (553, 17986), (575, 18049), (601, 18121), (613, 18154), (614, 18157), (649, 18238), (661, 18256), (670, 18277), (672, 18283), (675, 18295), (691, 18358), (715, 18445), (723, 18472), (736, 18505), (748, 18541), (754, 18556), (764, 18592), (794, 18670), (800, 18688),

Gene: GuyFagieri_45 Start: 31180, Stop: 32754, Start Num: 187

Candidate Starts for GuyFagieri_45:

(Start: 187 @31180 has 8 MA's), (193, 31189), (195, 31192), (230, 31243), (Start: 244 @31267 has 1 MA's), (245, 31270), (342, 31522), (347, 31540), (369, 31603), (375, 31618), (435, 31735), (439, 31750), (458, 31807), (460, 31816), (471, 31858), (477, 31879), (495, 31909), (524, 31963), (592, 32137), (627, 32242), (628, 32245), (636, 32272), (686, 32365), (723, 32497), (742, 32545), (766, 32611), (782, 32641), (805, 32713),

Gene: HC_19 Start: 16486, Stop: 18219, Start Num: 139

Candidate Starts for HC_19:

(Start: 139 @16486 has 6 MA's), (218, 16585), (223, 16594), (249, 16660), (256, 16684), (280, 16744), (287, 16747), (297, 16774), (364, 16954), (375, 16978), (379, 16990), (387, 17014), (432, 17140), (437, 17155), (440, 17164), (453, 17200), (458, 17218), (557, 17470), (565, 17479), (578, 17512), (643, 17656), (662, 17701), (689, 17803), (691, 17812), (696, 17830), (697, 17833), (725, 17932), (743, 17992), (749, 18010), (757, 18046), (761, 18061), (786, 18109), (806, 18178),

Gene: HH92_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for HH92_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574, 18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: HUHilltop_19 Start: 16385, Stop: 18121, Start Num: 125

Candidate Starts for HUHilltop_19:

(Start: 106 @16361 has 2 MA's), (Start: 125 @16385 has 46 MA's), (175, 16445), (189, 16466), (190, 16469), (253, 16589), (265, 16628), (280, 16661), (295, 16685), (342, 16805), (353, 16844), (355, 16850), (385, 16934), (387, 16940), (390, 16952), (396, 16976), (403, 17003), (409, 17021), (429,

17060), (432, 17066), (440, 17090), (458, 17144), (461, 17156), (464, 17165), (479, 17225), (522, 17303), (533, 17342), (545, 17375), (568, 17441), (574, 17456), (578, 17465), (587, 17489), (597, 17519), (602, 17531), (656, 17633), (662, 17645), (663, 17648), (664, 17654), (665, 17663), (696, 17771), (719, 17855), (752, 17954), (800, 18062), (813, 18110),

Gene: Hades_16 Start: 14815, Stop: 16524, Start Num: 129

Candidate Starts for Hades_16:

(Start: 129 @14815 has 207 MA's), (205, 14902), (Start: 232 @14947 has 2 MA's), (242, 14971), (279, 15076), (287, 15082), (294, 15100), (309, 15130), (347, 15235), (367, 15295), (376, 15316), (379, 15325), (387, 15349), (432, 15475), (437, 15490), (439, 15496), (452, 15532), (453, 15535), (457, 15547), (458, 15553), (469, 15601), (474, 15613), (475, 15619), (517, 15679), (520, 15691), (531, 15727), (533, 15739), (565, 15814), (568, 15823), (575, 15841), (578, 15847), (590, 15877), (639, 15982), (643, 15991), (645, 15994), (659, 16030), (680, 16108), (706, 16207), (713, 16228), (723, 16261), (734, 16291), (743, 16321), (746, 16330), (748, 16336), (757, 16351), (758, 16354), (765, 16378), (782, 16408), (790, 16420), (797, 16450), (808, 16492),

Gene: Hadrien_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Hadrien_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574, 18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: Hafay_18 Start: 17022, Stop: 18755, Start Num: 131

Candidate Starts for Hafay_18:

(Start: 131 @17022 has 77 MA's), (188, 17091), (261, 17232), (262, 17235), (285, 17280), (296, 17313), (299, 17322), (312, 17358), (334, 17412), (344, 17439), (347, 17451), (362, 17502), (365, 17508), (378, 17541), (451, 17694), (458, 17718), (460, 17727), (472, 17772), (476, 17787), (517, 17865), (553, 17985), (575, 18048), (601, 18120), (614, 18156), (670, 18276), (672, 18282), (675, 18294), (691, 18357), (715, 18444), (723, 18471), (748, 18540), (754, 18555), (757, 18567), (764, 18591), (794, 18669),

Gene: Hail_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Hail_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574, 18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: Halena_18 Start: 16747, Stop: 18516, Start Num: 98

Candidate Starts for Halena_18:

(Start: 70 @16684 has 1 MA's), (80, 16705), (85, 16720), (Start: 98 @16747 has 41 MA's), (174, 16840), (Start: 207 @16888 has 1 MA's), (210, 16894), (236, 16921), (237, 16924), (239, 16930), (261, 17002), (266, 17011), (278, 17035), (285, 17050), (295, 17080), (344, 17206), (346, 17215), (352, 17236), (357, 17251), (382, 17320), (393, 17356), (404, 17377), (447, 17446), (458, 17485), (517,

17623), (520, 17635), (543, 17710), (545, 17716), (550, 17734), (563, 17773), (575, 17806), (579, 17815), (583, 17824), (586, 17833), (587, 17836), (628, 17956), (638, 17992), (672, 18040), (675, 18052), (689, 18106), (715, 18202), (720, 18220), (722, 18226), (723, 18229), (736, 18262), (744, 18286), (764, 18349), (779, 18391), (794, 18430), (800, 18448), (805, 18469), (810, 18490),

Gene: Haley23_17 Start: 14758, Stop: 16467, Start Num: 169

Candidate Starts for Haley23_17:

(Start: 169 @14758 has 31 MA's), (238, 14875), (295, 15025), (309, 15064), (312, 15079), (340, 15148), (344, 15160), (370, 15238), (372, 15241), (410, 15373), (431, 15427), (455, 15508), (469, 15568), (472, 15574), (474, 15580), (529, 15661), (543, 15697), (556, 15733), (570, 15751), (585, 15790), (613, 15862), (621, 15886), (701, 16120), (705, 16135), (718, 16177), (749, 16270), (750, 16273), (764, 16321), (774, 16351),

Gene: Halo_18 Start: 16644, Stop: 18398, Start Num: 142

Candidate Starts for Halo_18:

(Start: 111 @16635 has 26 MA's), (Start: 142 @16644 has 43 MA's), (Start: 148 @16650 has 2 MA's), (155, 16656), (237, 16788), (255, 16839), (265, 16869), (275, 16893), (313, 16995), (328, 17034), (330, 17040), (338, 17055), (351, 17100), (393, 17220), (418, 17277), (439, 17316), (456, 17364), (463, 17391), (467, 17403), (491, 17484), (517, 17529), (587, 17727), (598, 17757), (604, 17775), (613, 17802), (638, 17886), (653, 17904), (662, 17919), (676, 17967), (679, 17982), (698, 18045), (713, 18102), (725, 18141), (742, 18183), (761, 18234), (800, 18330), (817, 18390),

Gene: Hammy_22 Start: 17572, Stop: 19338, Start Num: 120

Candidate Starts for Hammy_22:

(Start: 95 @17533 has 1 MA's), (Start: 111 @17563 has 26 MA's), (Start: 120 @17572 has 139 MA's), (Start: 148 @17602 has 2 MA's), (Start: 232 @17728 has 2 MA's), (237, 17743), (255, 17794), (280, 17857), (287, 17869), (295, 17887), (315, 17959), (330, 17995), (333, 18001), (360, 18082), (393, 18175), (397, 18187), (398, 18190), (416, 18226), (439, 18262), (454, 18304), (456, 18310), (463, 18337), (472, 18373), (521, 18493), (551, 18583), (564, 18610), (583, 18655), (604, 18715), (628, 18790), (635, 18814), (666, 18874), (677, 18910), (685, 18940), (707, 19024), (723, 19075), (764, 19183), (809, 19309), (810, 19312), (817, 19330),

Gene: Hamood_22 Start: 17878, Stop: 19584, Start Num: 172

Candidate Starts for Hamood_22:

(Start: 106 @17803 has 2 MA's), (Start: 172 @17878 has 16 MA's), (Start: 232 @17971 has 2 MA's), (237, 17986), (239, 17992), (264, 18067), (296, 18139), (332, 18250), (348, 18295), (353, 18313), (358, 18325), (437, 18496), (440, 18505), (443, 18511), (470, 18607), (483, 18658), (537, 18781), (551, 18820), (602, 18952), (637, 19066), (676, 19153), (706, 19267), (709, 19276), (746, 19381), (783, 19468), (817, 19576),

Gene: Hamulus_16 Start: 14812, Stop: 16521, Start Num: 129

Candidate Starts for Hamulus_16:

(Start: 129 @14812 has 207 MA's), (205, 14899), (Start: 232 @14944 has 2 MA's), (242, 14968), (279, 15073), (287, 15079), (294, 15097), (309, 15127), (347, 15232), (367, 15292), (375, 15310), (376, 15313), (379, 15322), (385, 15340), (387, 15346), (406, 15421), (407, 15424), (432, 15472), (437, 15487), (439, 15493), (452, 15529), (453, 15532), (457, 15544), (458, 15550), (469, 15598), (474, 15610), (475, 15616), (517, 15676), (520, 15688), (531, 15724), (533, 15736), (565, 15811), (568, 15820), (575, 15838), (578, 15844), (590, 15874), (639, 15979), (643, 15988), (645, 15991), (659, 16027), (680, 16105), (706, 16204), (713, 16225), (723, 16258), (734, 16288), (743, 16318), (746, 16327), (748, 16333), (757, 16348), (758, 16351), (765, 16375), (782, 16405), (790, 16417), (797, 16447), (808, 16489),

Gene: HanKaySha_25 Start: 19488, Stop: 21167, Start Num: 137

Candidate Starts for HanKaySha_25:

(Start: 137 @19488 has 79 MA's), (Start: 203 @19572 has 47 MA's), (Start: 244 @19650 has 1 MA's), (274, 19737), (287, 19752), (309, 19800), (321, 19839), (353, 19926), (365, 19959), (379, 19995), (388, 20025), (390, 20031), (409, 20100), (435, 20130), (438, 20142), (439, 20145), (458, 20202), (518, 20334), (519, 20340), (538, 20406), (541, 20412), (549, 20436), (568, 20484), (578, 20508), (582, 20517), (606, 20592), (643, 20643), (650, 20658), (698, 20820), (704, 20847), (713, 20877), (747, 20982), (786, 21060), (797, 21096), (800, 21105), (808, 21138), (813, 21153),

Gene: Hanako_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Hanako_18:

(Start: 134 @14993 has 43 MA's), (161, 15020), (189, 15059), (Start: 232 @15125 has 2 MA's), (236, 15137), (249, 15173), (256, 15197), (265, 15224), (274, 15245), (279, 15254), (287, 15260), (299, 15293), (364, 15467), (367, 15473), (371, 15482), (375, 15491), (379, 15503), (387, 15527), (398, 15569), (406, 15602), (432, 15653), (433, 15656), (437, 15668), (452, 15710), (457, 15725), (458, 15731), (469, 15779), (493, 15833), (517, 15857), (537, 15929), (557, 15983), (565, 15992), (568, 16001), (578, 16025), (589, 16052), (590, 16055), (639, 16160), (643, 16169), (659, 16208), (681, 16289), (697, 16346), (706, 16385), (743, 16499), (757, 16529), (758, 16532), (765, 16556), (786, 16592),

Gene: Hannaconda_31 Start: 23714, Stop: 25447, Start Num: 131

Candidate Starts for Hannaconda_31:

(Start: 131 @23714 has 77 MA's), (Start: 203 @23804 has 47 MA's), (205, 23807), (251, 23909), (274, 23975), (295, 24011), (310, 24041), (313, 24056), (345, 24140), (355, 24176), (365, 24203), (380, 24242), (390, 24275), (393, 24284), (407, 24341), (428, 24383), (455, 24458), (458, 24470), (474, 24530), (506, 24584), (518, 24614), (522, 24632), (526, 24641), (534, 24674), (538, 24686), (541, 24692), (554, 24731), (578, 24788), (650, 24938), (656, 24956), (670, 24998), (676, 25022), (677, 25025), (680, 25040), (689, 25070), (698, 25100), (713, 25157), (767, 25307), (810, 25427), (813, 25433),

Gene: Hans_35 Start: 29139, Stop: 30764, Start Num: 166

Candidate Starts for Hans_35:

(Start: 166 @29139 has 18 MA's), (176, 29151), (199, 29184), (206, 29193), (212, 29205), (Start: 232 @29235 has 2 MA's), (274, 29352), (280, 29364), (313, 29439), (338, 29499), (347, 29529), (440, 29736), (451, 29766), (464, 29811), (479, 29871), (517, 29919), (537, 29991), (549, 30024), (550, 30027), (566, 30066), (582, 30105), (612, 30192), (613, 30195), (648, 30273), (677, 30333), (689, 30378), (709, 30459), (726, 30513), (761, 30609), (808, 30738), (813, 30753),

Gene: Harella_23 Start: 19962, Stop: 21557, Start Num: 203

Candidate Starts for Harella_23:

(Start: 137 @19878 has 79 MA's), (Start: 203 @19962 has 47 MA's), (Start: 244 @20040 has 1 MA's), (274, 20127), (287, 20142), (309, 20190), (321, 20229), (353, 20316), (365, 20349), (379, 20385), (388, 20415), (390, 20421), (409, 20490), (435, 20520), (438, 20532), (439, 20535), (458, 20592), (518, 20724), (519, 20730), (538, 20796), (541, 20802), (549, 20826), (568, 20874), (578, 20898), (582, 20907), (606, 20982), (643, 21033), (650, 21048), (698, 21210), (704, 21237), (713, 21267), (747, 21372), (786, 21450), (797, 21486), (800, 21495), (808, 21528), (813, 21543),

Gene: Harley_16 Start: 14800, Stop: 16509, Start Num: 129

Candidate Starts for Harley_16:

(Start: 129 @14800 has 207 MA's), (205, 14887), (Start: 232 @14932 has 2 MA's), (242, 14956), (279, 15061), (287, 15067), (294, 15085), (309, 15115), (347, 15220), (367, 15280), (376, 15301), (379, 15310), (385, 15328), (387, 15334), (398, 15376), (406, 15409), (411, 15421), (424, 15436), (425, 15442), (432, 15460), (437, 15475), (439, 15481), (447, 15502), (452, 15517), (453, 15520), (457, 15532), (458, 15538), (469, 15586), (474, 15598), (475, 15604), (517, 15664), (520, 15676), (531,

15712), (533, 15724), (541, 15745), (565, 15799), (568, 15808), (575, 15826), (578, 15832), (639, 15967), (643, 15976), (645, 15979), (659, 16015), (671, 16054), (680, 16093), (706, 16192), (713, 16213), (723, 16246), (734, 16276), (743, 16306), (745, 16312), (746, 16315), (748, 16321), (757, 16336), (758, 16339), (764, 16360), (765, 16363), (790, 16405), (808, 16477), (809, 16483),

Gene: HedwigODU_23 Start: 17157, Stop: 18923, Start Num: 120

Candidate Starts for HedwigODU_23:

(Start: 120 @17157 has 139 MA's), (Start: 148 @17187 has 2 MA's), (245, 17346), (255, 17379), (265, 17409), (280, 17442), (287, 17454), (315, 17544), (333, 17586), (358, 17658), (360, 17667), (376, 17706), (390, 17751), (397, 17772), (398, 17775), (433, 17829), (439, 17847), (454, 17889), (456, 17895), (463, 17922), (517, 18060), (521, 18078), (533, 18120), (540, 18138), (551, 18168), (564, 18195), (604, 18300), (666, 18459), (677, 18495), (685, 18525), (688, 18534), (707, 18609), (723, 18660), (761, 18759), (800, 18855), (809, 18894), (810, 18897), (817, 18915),

Gene: Heftyboy_21 Start: 17643, Stop: 19415, Start Num: 123

Candidate Starts for Heftyboy_21:

(Start: 123 @17643 has 15 MA's), (127, 17649), (Start: 151 @17673 has 2 MA's), (177, 17706), (210, 17754), (237, 17808), (255, 17859), (280, 17922), (317, 18030), (358, 18138), (397, 18252), (398, 18255), (417, 18294), (433, 18309), (437, 18321), (439, 18327), (452, 18363), (454, 18369), (456, 18375), (467, 18414), (472, 18438), (517, 18540), (534, 18603), (550, 18648), (604, 18783), (635, 18882), (670, 18960), (676, 18984), (681, 19005), (687, 19023), (707, 19101), (709, 19107), (764, 19260), (804, 19365), (805, 19368), (809, 19386),

Gene: Hegedechwinu_17 Start: 14659, Stop: 16368, Start Num: 129

Candidate Starts for Hegedechwinu_17:

(Start: 129 @14659 has 207 MA's), (205, 14746), (Start: 232 @14791 has 2 MA's), (242, 14815), (279, 14920), (287, 14926), (294, 14944), (309, 14974), (347, 15079), (367, 15139), (376, 15160), (379, 15169), (387, 15193), (432, 15319), (437, 15334), (439, 15340), (452, 15376), (453, 15379), (457, 15391), (458, 15397), (469, 15445), (474, 15457), (475, 15463), (517, 15523), (520, 15535), (531, 15571), (533, 15583), (565, 15658), (568, 15667), (575, 15685), (578, 15691), (590, 15721), (639, 15826), (643, 15835), (645, 15838), (659, 15874), (680, 15952), (706, 16051), (713, 16072), (723, 16105), (734, 16135), (743, 16165), (746, 16174), (748, 16180), (757, 16195), (758, 16198), (765, 16222), (782, 16252), (790, 16264), (797, 16294), (808, 16336),

Gene: Heinz_19 Start: 15040, Stop: 16656, Start Num: 160

Candidate Starts for Heinz_19:

(Start: 160 @15040 has 11 MA's), (230, 15139), (238, 15163), (280, 15274), (284, 15277), (292, 15295), (295, 15304), (319, 15370), (326, 15385), (330, 15394), (333, 15400), (363, 15490), (384, 15544), (387, 15553), (439, 15643), (454, 15685), (455, 15688), (468, 15733), (472, 15754), (508, 15811), (514, 15826), (517, 15832), (519, 15841), (524, 15859), (553, 15949), (558, 15964), (602, 16063), (605, 16081), (612, 16093), (624, 16132), (638, 16159), (670, 16207), (673, 16219), (676, 16231), (681, 16252), (685, 16264), (689, 16279), (698, 16309), (706, 16345), (761, 16498), (773, 16534), (800, 16594), (801, 16597), (806, 16618), (813, 16642),

Gene: Henry_24 Start: 19829, Stop: 21424, Start Num: 203

Candidate Starts for Henry_24:

(Start: 137 @19745 has 79 MA's), (Start: 203 @19829 has 47 MA's), (Start: 244 @19907 has 1 MA's), (274, 19994), (287, 20009), (309, 20057), (321, 20096), (353, 20183), (365, 20216), (379, 20252), (388, 20282), (390, 20288), (409, 20357), (435, 20387), (438, 20399), (439, 20402), (458, 20459), (518, 20591), (519, 20597), (538, 20663), (541, 20669), (549, 20693), (568, 20741), (578, 20765), (582, 20774), (606, 20849), (643, 20900), (650, 20915), (698, 21077), (704, 21104), (713, 21134), (747, 21239), (786, 21317), (797, 21353), (800, 21362), (808, 21395), (813, 21410),

Gene: Herod_19 Start: 17764, Stop: 19362, Start Num: 167

Candidate Starts for Herod_19:

(Start: 167 @17764 has 53 MA's), (302, 18022), (309, 18040), (310, 18043), (327, 18097), (354, 18172), (380, 18241), (381, 18250), (385, 18262), (400, 18313), (406, 18340), (410, 18349), (411, 18352), (456, 18385), (469, 18442), (513, 18508), (553, 18619), (570, 18643), (584, 18679), (598, 18712), (621, 18781), (637, 18838), (680, 18928), (750, 19168), (774, 19246),

Gene: Hibiscus_18 Start: 14988, Stop: 16604, Start Num: 160

Candidate Starts for Hibiscus_18:

(105, 14922), (Start: 160 @14988 has 11 MA's), (230, 15087), (238, 15111), (280, 15222), (284, 15225), (292, 15243), (295, 15252), (319, 15318), (326, 15333), (330, 15342), (333, 15348), (363, 15438), (384, 15492), (387, 15501), (439, 15591), (472, 15702), (514, 15774), (517, 15780), (519, 15789), (524, 15807), (553, 15897), (602, 16011), (605, 16029), (612, 16041), (624, 16080), (638, 16107), (670, 16155), (673, 16167), (676, 16179), (681, 16200), (685, 16212), (689, 16227), (698, 16257), (706, 16293), (761, 16446), (773, 16482), (800, 16542), (801, 16545), (806, 16566), (813, 16590),

Gene: Highbury_25 Start: 19407, Stop: 21086, Start Num: 137

Candidate Starts for Highbury_25:

(Start: 137 @19407 has 79 MA's), (Start: 203 @19491 has 47 MA's), (Start: 244 @19569 has 1 MA's), (274, 19656), (287, 19671), (309, 19719), (321, 19758), (353, 19845), (365, 19878), (379, 19914), (388, 19944), (390, 19950), (409, 20019), (435, 20049), (438, 20061), (439, 20064), (458, 20121), (518, 20253), (519, 20259), (538, 20325), (541, 20331), (549, 20355), (568, 20403), (578, 20427), (582, 20436), (606, 20511), (643, 20562), (650, 20577), (698, 20739), (704, 20766), (713, 20796), (747, 20901), (786, 20979), (797, 21015), (800, 21024), (808, 21057), (813, 21072),

Gene: Hilltopfarm_24 Start: 19638, Stop: 21473, Start Num: 72

Candidate Starts for Hilltopfarm_24:

(Start: 72 @19638 has 4 MA's), (Start: 95 @19686 has 1 MA's), (99, 19695), (Start: 147 @19734 has 24 MA's), (177, 19764), (Start: 184 @19776 has 1 MA's), (210, 19812), (228, 19842), (Start: 232 @19851 has 2 MA's), (237, 19866), (255, 19917), (256, 19920), (298, 20019), (346, 20160), (362, 20211), (365, 20217), (380, 20256), (397, 20310), (439, 20379), (454, 20421), (464, 20457), (467, 20466), (489, 20544), (496, 20553), (505, 20583), (516, 20616), (517, 20619), (533, 20679), (542, 20703), (545, 20712), (574, 20781), (612, 20886), (613, 20889), (622, 20916), (691, 21099), (782, 21354), (809, 21444), (810, 21447), (811, 21450),

Gene: HippoPololi_20 Start: 16592, Stop: 18283, Start Num: 154

Candidate Starts for HippoPololi_20:

(Start: 125 @16559 has 46 MA's), (Start: 154 @16592 has 33 MA's), (Start: 163 @16604 has 1 MA's), (Start: 232 @16706 has 2 MA's), (Start: 244 @16736 has 1 MA's), (317, 16940), (334, 16976), (348, 17018), (362, 17063), (398, 17165), (432, 17198), (436, 17210), (437, 17213), (454, 17270), (463, 17303), (468, 17318), (474, 17345), (484, 17384), (518, 17426), (520, 17435), (535, 17480), (543, 17504), (555, 17543), (591, 17639), (594, 17648), (599, 17657), (620, 17714), (624, 17732), (666, 17807), (679, 17855), (684, 17870), (688, 17882), (706, 17954), (707, 17957), (708, 17960), (709, 17963), (739, 18053), (748, 18080), (759, 18122), (761, 18131), (764, 18140),

Gene: Hitter_19 Start: 16650, Stop: 18296, Start Num: 171

Candidate Starts for Hitter_19:

(143, 16614), (Start: 171 @16650 has 46 MA's), (237, 16752), (262, 16830), (265, 16833), (309, 16929), (319, 16968), (348, 17028), (354, 17049), (375, 17103), (380, 17118), (433, 17214), (458, 17289), (467, 17319), (541, 17502), (549, 17526), (571, 17577), (605, 17670), (612, 17682), (626, 17727), (631, 17742), (677, 17874), (678, 17877), (704, 17976), (709, 17994), (725, 18045), (750, 18111), (772, 18174), (782, 18186),

Gene: Hlubikazi_16 Start: 14904, Stop: 16613, Start Num: 129

Candidate Starts for Hlubikazi_16:

(Start: 129 @14904 has 207 MA's), (205, 14991), (Start: 232 @15036 has 2 MA's), (242, 15060), (279, 15165), (287, 15171), (294, 15189), (309, 15219), (347, 15324), (367, 15384), (376, 15405), (379, 15414), (387, 15438), (432, 15564), (437, 15579), (439, 15585), (452, 15621), (453, 15624), (457, 15636), (458, 15642), (469, 15690), (474, 15702), (475, 15708), (517, 15768), (520, 15780), (531, 15816), (533, 15828), (565, 15903), (568, 15912), (575, 15930), (578, 15936), (590, 15966), (639, 16071), (643, 16080), (645, 16083), (659, 16119), (680, 16197), (706, 16296), (713, 16317), (723, 16350), (734, 16380), (743, 16410), (746, 16419), (748, 16425), (757, 16440), (758, 16443), (765, 16467), (782, 16497), (790, 16509), (797, 16539), (808, 16581),

Gene: Holt_25 Start: 19026, Stop: 20705, Start Num: 137

Candidate Starts for Holt_25:

(Start: 137 @19026 has 79 MA's), (Start: 203 @19110 has 47 MA's), (Start: 244 @19188 has 1 MA's), (274, 19275), (287, 19290), (309, 19338), (321, 19377), (353, 19464), (365, 19497), (379, 19533), (388, 19563), (390, 19569), (409, 19638), (435, 19668), (438, 19680), (439, 19683), (458, 19740), (518, 19872), (519, 19878), (538, 19944), (541, 19950), (549, 19974), (568, 20022), (578, 20046), (582, 20055), (606, 20130), (643, 20181), (650, 20196), (698, 20358), (704, 20385), (713, 20415), (747, 20520), (786, 20598), (797, 20634), (800, 20643), (808, 20676), (813, 20691),

Gene: Homura_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Homura_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Hoonter_26 Start: 19736, Stop: 21415, Start Num: 137

Candidate Starts for Hoonter_26:

(Start: 137 @19736 has 79 MA's), (Start: 203 @19820 has 47 MA's), (Start: 244 @19898 has 1 MA's), (274, 19985), (287, 20000), (309, 20048), (321, 20087), (353, 20174), (365, 20207), (379, 20243), (388, 20273), (390, 20279), (409, 20348), (435, 20378), (438, 20390), (439, 20393), (458, 20450), (518, 20582), (519, 20588), (538, 20654), (541, 20660), (549, 20684), (568, 20732), (578, 20756), (582, 20765), (606, 20840), (643, 20891), (650, 20906), (698, 21068), (704, 21095), (713, 21125), (747, 21230), (786, 21308), (797, 21344), (800, 21353), (808, 21386), (813, 21401),

Gene: Hope_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Hope_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Hohey_26 Start: 20107, Stop: 21702, Start Num: 203

Candidate Starts for Hohey_26:

(Start: 137 @20023 has 79 MA's), (Start: 203 @20107 has 47 MA's), (Start: 244 @20185 has 1 MA's), (274, 20272), (287, 20287), (309, 20335), (321, 20374), (353, 20461), (365, 20494), (379, 20530), (388, 20560), (390, 20566), (409, 20635), (435, 20665), (438, 20677), (439, 20680), (458, 20737),

(518, 20869), (519, 20875), (538, 20941), (541, 20947), (549, 20971), (568, 21019), (578, 21043), (582, 21052), (606, 21127), (643, 21178), (650, 21193), (698, 21355), (704, 21382), (713, 21412), (747, 21517), (786, 21595), (797, 21631), (800, 21640), (808, 21673), (813, 21688),

Gene: Horseradish_19 Start: 15276, Stop: 16973, Start Num: 154

Candidate Starts for Horseradish_19:

(Start: 125 @15246 has 46 MA's), (Start: 150 @15273 has 7 MA's), (Start: 154 @15276 has 33 MA's), (265, 15486), (331, 15654), (334, 15660), (372, 15768), (384, 15804), (393, 15834), (398, 15849), (432, 15882), (436, 15894), (448, 15930), (463, 15987), (467, 15999), (520, 16119), (527, 16140), (535, 16164), (587, 16314), (591, 16329), (599, 16347), (620, 16404), (677, 16533), (679, 16545), (685, 16563), (688, 16572), (706, 16644), (707, 16647), (709, 16653), (713, 16665), (748, 16770), (751, 16779), (759, 16812), (805, 16938),

Gene: Hortense_20 Start: 17902, Stop: 19482, Start Num: 167

Candidate Starts for Hortense_20:

(83, 17785), (Start: 167 @17902 has 53 MA's), (302, 18160), (310, 18181), (327, 18235), (344, 18274), (361, 18331), (370, 18352), (456, 18523), (460, 18541), (468, 18565), (472, 18586), (513, 18628), (543, 18709), (584, 18799), (604, 18850), (621, 18901), (622, 18904), (637, 18958), (680, 19048), (761, 19327), (764, 19336), (774, 19366),

Gene: Hotshotbaby7_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Hotshotbaby7_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Howe_20 Start: 17902, Stop: 19482, Start Num: 167

Candidate Starts for Howe_20:

(83, 17785), (Start: 167 @17902 has 53 MA's), (302, 18160), (310, 18181), (327, 18235), (344, 18274), (361, 18331), (370, 18352), (456, 18523), (460, 18541), (468, 18565), (472, 18586), (513, 18628), (543, 18709), (584, 18799), (604, 18850), (621, 18901), (622, 18904), (637, 18958), (680, 19048), (761, 19327), (764, 19336), (774, 19366),

Gene: HubbaBubba_39 Start: 26578, Stop: 28194, Start Num: 178

Candidate Starts for HubbaBubba_39:

(Start: 178 @26578 has 37 MA's), (Start: 184 @26587 has 1 MA's), (Start: 187 @26590 has 8 MA's), (Start: 207 @26614 has 1 MA's), (245, 26692), (313, 26875), (338, 26932), (342, 26944), (346, 26959), (369, 27025), (375, 27040), (383, 27064), (413, 27151), (428, 27157), (438, 27181), (458, 27241), (467, 27271), (471, 27292), (524, 27397), (531, 27418), (567, 27505), (586, 27553), (627, 27679), (637, 27715), (706, 27880), (712, 27898), (723, 27934), (793, 28108), (797, 28120), (813, 28177),

Gene: HufflyPuff_23 Start: 19814, Stop: 21409, Start Num: 203

Candidate Starts for HufflyPuff_23:

(Start: 137 @19730 has 79 MA's), (Start: 203 @19814 has 47 MA's), (Start: 244 @19892 has 1 MA's), (274, 19979), (287, 19994), (309, 20042), (321, 20081), (353, 20168), (365, 20201), (379, 20237), (388, 20267), (390, 20273), (409, 20342), (435, 20372), (438, 20384), (439, 20387), (458, 20444), (518, 20576), (519, 20582), (538, 20648), (541, 20654), (549, 20678), (568, 20726), (578, 20750), (582, 20759), (606, 20834), (643, 20885), (650, 20900), (698, 21062), (704, 21089), (713, 21119), (747, 21224), (786, 21302), (797, 21338), (800, 21347), (808, 21380), (813, 21395),

Gene: Hughesyang_35 Start: 27496, Stop: 29229, Start Num: 131

Candidate Starts for Hughesyang_35:

(Start: 131 @27496 has 77 MA's), (Start: 203 @27586 has 47 MA's), (229, 27634), (242, 27664), (251, 27691), (295, 27793), (310, 27823), (345, 27922), (355, 27958), (357, 27964), (365, 27985), (390, 28057), (393, 28066), (398, 28087), (425, 28156), (439, 28195), (440, 28198), (446, 28213), (458, 28252), (469, 28300), (474, 28312), (475, 28318), (506, 28366), (511, 28375), (518, 28396), (522, 28414), (536, 28462), (575, 28564), (597, 28624), (602, 28636), (650, 28720), (655, 28732), (656, 28738), (662, 28750), (663, 28753), (673, 28792), (678, 28810), (688, 28846), (689, 28852), (713, 28939), (742, 29029), (761, 29071), (767, 29089), (783, 29119), (798, 29161), (813, 29215),

Gene: Hugley_19 Start: 17764, Stop: 19362, Start Num: 167

Candidate Starts for Hugley_19:

(Start: 167 @17764 has 53 MA's), (302, 18022), (309, 18040), (310, 18043), (327, 18097), (354, 18172), (380, 18241), (381, 18250), (385, 18262), (400, 18313), (406, 18340), (410, 18349), (411, 18352), (456, 18385), (469, 18442), (513, 18508), (553, 18619), (570, 18643), (584, 18679), (598, 18712), (621, 18781), (637, 18838), (680, 18928), (750, 19168), (774, 19246),

Gene: Huphlepuuff_52 Start: 27205, Stop: 28917, Start Num: 131

Candidate Starts for Huphlepuuff_52:

(90, 27142), (Start: 131 @27205 has 77 MA's), (196, 27286), (237, 27343), (262, 27424), (266, 27430), (291, 27487), (295, 27499), (299, 27511), (313, 27550), (317, 27565), (346, 27634), (362, 27688), (366, 27697), (443, 27853), (458, 27901), (460, 27910), (463, 27919), (473, 27958), (477, 27973), (517, 28036), (520, 28048), (556, 28165), (557, 28168), (575, 28219), (586, 28246), (587, 28249), (593, 28270), (607, 28312), (665, 28432), (672, 28450), (709, 28594), (723, 28639), (727, 28657), (756, 28741), (759, 28750), (764, 28768), (771, 28789), (794, 28834), (796, 28840), (800, 28852), (803, 28864), (806, 28876), (813, 28900), (815, 28906),

Gene: Hurricane_22 Start: 17587, Stop: 19350, Start Num: 120

Candidate Starts for Hurricane_22:

(Start: 111 @17578 has 26 MA's), (Start: 120 @17587 has 139 MA's), (208, 17689), (237, 17746), (255, 17797), (265, 17827), (275, 17851), (358, 18082), (360, 18091), (365, 18103), (397, 18196), (398, 18199), (439, 18271), (443, 18280), (454, 18313), (456, 18319), (467, 18358), (475, 18394), (517, 18484), (534, 18547), (569, 18634), (604, 18727), (628, 18802), (679, 18931), (687, 18955), (695, 18982), (709, 19039), (723, 19084), (761, 19186), (770, 19213), (797, 19273), (800, 19282), (805, 19303), (809, 19321), (811, 19327), (817, 19342),

Gene: Hyperbowlee_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Hyperbowlee_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Hyzer_19 Start: 17835, Stop: 19433, Start Num: 167

Candidate Starts for Hyzer_19:

(58, 17634), (Start: 167 @17835 has 53 MA's), (302, 18093), (309, 18111), (310, 18114), (327, 18168), (354, 18243), (380, 18312), (381, 18321), (385, 18333), (400, 18384), (406, 18411), (410, 18420), (411, 18423), (456, 18456), (469, 18513), (513, 18579), (553, 18690), (570, 18714), (584, 18750), (621, 18852), (680, 18999), (750, 19239), (774, 19317),

Gene: IDyn_42 Start: 27974, Stop: 29590, Start Num: 178

Candidate Starts for IDyn_42:

(Start: 178 @27974 has 37 MA's), (Start: 187 @27986 has 8 MA's), (Start: 207 @28010 has 1 MA's), (245, 28088), (313, 28271), (338, 28328), (342, 28340), (346, 28355), (369, 28421), (375, 28436), (383, 28460), (413, 28547), (428, 28553), (438, 28577), (458, 28637), (467, 28667), (471, 28688), (524, 28793), (531, 28814), (567, 28901), (586, 28949), (627, 29075), (637, 29111), (706, 29276), (712, 29294), (723, 29330), (793, 29504), (797, 29516), (813, 29573),

Gene: IHOP_24 Start: 20006, Stop: 21601, Start Num: 203

Candidate Starts for IHOP_24:

(Start: 137 @19922 has 79 MA's), (Start: 203 @20006 has 47 MA's), (Start: 244 @20084 has 1 MA's), (274, 20171), (287, 20186), (309, 20234), (321, 20273), (353, 20360), (365, 20393), (379, 20429), (388, 20459), (390, 20465), (409, 20534), (435, 20564), (438, 20576), (439, 20579), (458, 20636), (518, 20768), (519, 20774), (538, 20840), (541, 20846), (549, 20870), (568, 20918), (578, 20942), (582, 20951), (606, 21026), (643, 21077), (650, 21092), (698, 21254), (704, 21281), (713, 21311), (747, 21416), (786, 21494), (797, 21530), (800, 21539), (808, 21572), (813, 21587),

Gene: IMpilo_16 Start: 14837, Stop: 16546, Start Num: 129

Candidate Starts for IMpilo_16:

(Start: 129 @14837 has 207 MA's), (205, 14924), (Start: 232 @14969 has 2 MA's), (242, 14993), (279, 15098), (287, 15104), (294, 15122), (309, 15152), (347, 15257), (367, 15317), (371, 15326), (375, 15335), (376, 15338), (379, 15347), (387, 15371), (406, 15446), (432, 15497), (437, 15512), (439, 15518), (452, 15554), (453, 15557), (457, 15569), (458, 15575), (469, 15623), (474, 15635), (475, 15641), (517, 15701), (520, 15713), (531, 15749), (533, 15761), (565, 15836), (568, 15845), (575, 15863), (578, 15869), (590, 15899), (639, 16004), (643, 16013), (645, 16016), (659, 16052), (680, 16130), (706, 16229), (713, 16250), (723, 16283), (734, 16313), (743, 16343), (746, 16352), (748, 16358), (757, 16373), (758, 16376), (765, 16400), (782, 16430), (790, 16442), (797, 16472), (808, 16514),

Gene: IPhane7_28 Start: 22368, Stop: 24104, Start Num: 114

Candidate Starts for IPhane7_28:

(51, 22146), (Start: 86 @22326 has 4 MA's), (Start: 93 @22341 has 2 MA's), (Start: 114 @22368 has 15 MA's), (132, 22383), (Start: 167 @22422 has 53 MA's), (188, 22452), (191, 22458), (201, 22470), (257, 22575), (261, 22590), (280, 22629), (327, 22752), (331, 22761), (362, 22857), (379, 22899), (380, 22902), (458, 23079), (496, 23190), (517, 23217), (536, 23289), (539, 23298), (540, 23301), (544, 23313), (586, 23433), (587, 23436), (601, 23478), (612, 23508), (614, 23514), (670, 23634), (672, 23640), (785, 23994), (794, 24021), (800, 24039), (802, 24048),

Gene: IbOuu_16 Start: 14805, Stop: 16514, Start Num: 129

Candidate Starts for IbOuu_16:

(Start: 129 @14805 has 207 MA's), (205, 14892), (Start: 232 @14937 has 2 MA's), (242, 14961), (279, 15066), (287, 15072), (294, 15090), (309, 15120), (347, 15225), (364, 15279), (367, 15285), (371, 15294), (376, 15306), (379, 15315), (387, 15339), (432, 15465), (437, 15480), (439, 15486), (452, 15522), (457, 15537), (458, 15543), (469, 15591), (474, 15603), (475, 15609), (517, 15669), (520, 15681), (531, 15717), (533, 15729), (565, 15804), (568, 15813), (575, 15831), (578, 15837), (590, 15867), (639, 15972), (643, 15981), (645, 15984), (659, 16020), (680, 16098), (706, 16197), (713, 16218), (723, 16251), (734, 16281), (743, 16311), (746, 16320), (748, 16326), (757, 16341), (758, 16344), (764, 16365), (765, 16368), (790, 16410), (797, 16440), (808, 16482),

Gene: Ibhubesi_16 Start: 14800, Stop: 16509, Start Num: 129

Candidate Starts for Ibhubesi_16:

(Start: 129 @14800 has 207 MA's), (205, 14887), (Start: 232 @14932 has 2 MA's), (242, 14956), (279, 15061), (287, 15067), (294, 15085), (309, 15115), (347, 15220), (367, 15280), (376, 15301), (379, 15310), (385, 15328), (387, 15334), (398, 15376), (406, 15409), (411, 15421), (424, 15436), (425,

15442), (432, 15460), (437, 15475), (439, 15481), (447, 15502), (452, 15517), (453, 15520), (457, 15532), (458, 15538), (469, 15586), (474, 15598), (475, 15604), (517, 15664), (520, 15676), (531, 15712), (533, 15724), (541, 15745), (565, 15799), (568, 15808), (575, 15826), (578, 15832), (639, 15967), (643, 15976), (645, 15979), (659, 16015), (671, 16054), (680, 16093), (706, 16192), (713, 16213), (723, 16246), (734, 16276), (743, 16306), (745, 16312), (746, 16315), (748, 16321), (757, 16336), (758, 16339), (764, 16360), (765, 16363), (790, 16405), (808, 16477), (809, 16483),

Gene: Ibrahim_19 Start: 16980, Stop: 18686, Start Num: 133

Candidate Starts for Ibrahim_19:

(68, 16872), (75, 16884), (Start: 133 @16980 has 7 MA's), (188, 17046), (Start: 244 @17121 has 1 MA's), (246, 17127), (274, 17211), (296, 17265), (312, 17310), (313, 17313), (341, 17379), (458, 17664), (543, 17886), (607, 18075), (672, 18213), (675, 18225), (723, 18402), (736, 18438), (794, 18603), (802, 18630), (813, 18669), (815, 18675),

Gene: Icee_23 Start: 19489, Stop: 21084, Start Num: 203

Candidate Starts for Icee_23:

(Start: 137 @19405 has 79 MA's), (Start: 203 @19489 has 47 MA's), (Start: 244 @19567 has 1 MA's), (274, 19654), (287, 19669), (309, 19717), (321, 19756), (353, 19843), (365, 19876), (379, 19912), (388, 19942), (390, 19948), (409, 20017), (435, 20047), (438, 20059), (439, 20062), (458, 20119), (518, 20251), (519, 20257), (538, 20323), (541, 20329), (549, 20353), (568, 20401), (578, 20425), (582, 20434), (606, 20509), (643, 20560), (650, 20575), (698, 20737), (704, 20764), (713, 20794), (747, 20899), (786, 20977), (797, 21013), (800, 21022), (808, 21055), (813, 21070),

Gene: IdentityCrisis_17 Start: 14307, Stop: 16073, Start Num: 142

Candidate Starts for IdentityCrisis_17:

(Start: 142 @14307 has 43 MA's), (197, 14379), (Start: 244 @14460 has 1 MA's), (253, 14484), (266, 14526), (308, 14628), (313, 14652), (318, 14670), (365, 14805), (380, 14844), (419, 14949), (440, 14979), (454, 15027), (539, 15243), (586, 15375), (620, 15471), (634, 15522), (679, 15648), (681, 15654), (706, 15747), (707, 15750), (755, 15897), (759, 15912), (806, 16041), (808, 16050),

Gene: Idergollasper_56 Start: 33475, Stop: 35211, Start Num: 109

Candidate Starts for Idergollasper_56:

(Start: 104 @33466 has 2 MA's), (Start: 109 @33475 has 26 MA's), (Start: 184 @33565 has 1 MA's), (248, 33682), (258, 33718), (266, 33739), (279, 33766), (287, 33772), (311, 33826), (329, 33877), (379, 34015), (381, 34021), (395, 34072), (396, 34075), (401, 34093), (432, 34144), (439, 34165), (440, 34168), (457, 34216), (458, 34222), (469, 34270), (472, 34276), (474, 34282), (507, 34342), (517, 34366), (518, 34369), (531, 34414), (534, 34429), (537, 34438), (541, 34447), (557, 34492), (568, 34510), (582, 34543), (645, 34681), (654, 34702), (674, 34768), (681, 34798), (696, 34852), (706, 34894), (713, 34915), (719, 34936), (723, 34948), (730, 34969), (748, 35023), (786, 35101), (797, 35137), (803, 35158), (809, 35185),

Gene: Illumine_23 Start: 17171, Stop: 18937, Start Num: 120

Candidate Starts for Illumine_23:

(Start: 120 @17171 has 139 MA's), (Start: 148 @17201 has 2 MA's), (245, 17360), (255, 17393), (265, 17423), (280, 17456), (287, 17468), (315, 17558), (330, 17594), (333, 17600), (358, 17672), (360, 17681), (376, 17720), (390, 17765), (391, 17768), (397, 17786), (398, 17789), (439, 17861), (454, 17903), (456, 17909), (463, 17936), (472, 17972), (491, 18029), (517, 18074), (521, 18092), (540, 18152), (551, 18182), (564, 18209), (604, 18314), (633, 18404), (666, 18473), (677, 18509), (685, 18539), (688, 18548), (707, 18623), (723, 18674), (761, 18773), (786, 18824), (809, 18908), (810, 18911), (817, 18929),

Gene: Inca_23 Start: 18509, Stop: 20104, Start Num: 203

Candidate Starts for Inca_23:

(Start: 137 @18425 has 79 MA's), (Start: 203 @18509 has 47 MA's), (Start: 244 @18587 has 1 MA's), (274, 18674), (287, 18689), (309, 18737), (321, 18776), (353, 18863), (365, 18896), (379, 18932), (388, 18962), (390, 18968), (409, 19037), (435, 19067), (438, 19079), (439, 19082), (458, 19139), (518, 19271), (519, 19277), (538, 19343), (541, 19349), (549, 19373), (568, 19421), (578, 19445), (582, 19454), (606, 19529), (643, 19580), (650, 19595), (698, 19757), (704, 19784), (713, 19814), (747, 19919), (786, 19997), (797, 20033), (800, 20042), (808, 20075), (813, 20090),

Gene: Inky_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Inky_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Inspectinfecti_34 Start: 29501, Stop: 31126, Start Num: 166

Candidate Starts for Inspectinfecti_34:

(Start: 166 @29501 has 18 MA's), (176, 29513), (199, 29546), (206, 29555), (212, 29567), (Start: 232 @29597 has 2 MA's), (274, 29714), (280, 29726), (313, 29801), (338, 29861), (347, 29891), (440, 30098), (451, 30128), (464, 30173), (479, 30233), (517, 30281), (537, 30353), (549, 30386), (550, 30389), (566, 30428), (582, 30467), (612, 30554), (613, 30557), (648, 30635), (677, 30695), (689, 30740), (709, 30821), (726, 30875), (761, 30971), (808, 31100), (813, 31115),

Gene: Invectra_21 Start: 17703, Stop: 19283, Start Num: 167

Candidate Starts for Invectra_21:

(11, 16926), (20, 17082), (40, 17313), (41, 17316), (47, 17400), (49, 17406), (57, 17481), (63, 17532), (83, 17586), (Start: 167 @17703 has 53 MA's), (266, 17874), (302, 17961), (309, 17979), (310, 17982), (327, 18036), (344, 18075), (361, 18132), (370, 18153), (456, 18324), (460, 18342), (468, 18366), (472, 18387), (513, 18429), (543, 18510), (584, 18600), (621, 18702), (622, 18705), (637, 18759), (694, 18897), (729, 19029), (761, 19128), (764, 19137), (774, 19167),

Gene: Inventum_16 Start: 14940, Stop: 16649, Start Num: 129

Candidate Starts for Inventum_16:

(Start: 129 @14940 has 207 MA's), (205, 15027), (Start: 232 @15072 has 2 MA's), (242, 15096), (279, 15201), (287, 15207), (294, 15225), (309, 15255), (347, 15360), (367, 15420), (376, 15441), (379, 15450), (387, 15474), (432, 15600), (437, 15615), (439, 15621), (452, 15657), (453, 15660), (457, 15672), (458, 15678), (469, 15726), (474, 15738), (475, 15744), (517, 15804), (520, 15816), (531, 15852), (533, 15864), (565, 15939), (568, 15948), (575, 15966), (578, 15972), (590, 16002), (639, 16107), (645, 16119), (659, 16155), (680, 16233), (706, 16332), (713, 16353), (723, 16386), (734, 16416), (743, 16446), (746, 16455), (748, 16461), (757, 16476), (758, 16479), (764, 16500), (765, 16503), (790, 16545), (797, 16575), (808, 16617),

Gene: InvictusManeo_21 Start: 17595, Stop: 19367, Start Num: 123

Candidate Starts for InvictusManeo_21:

(Start: 123 @17595 has 15 MA's), (127, 17601), (Start: 151 @17625 has 2 MA's), (177, 17658), (210, 17706), (237, 17760), (255, 17811), (280, 17874), (317, 17982), (358, 18090), (397, 18204), (398, 18207), (417, 18246), (433, 18261), (437, 18273), (439, 18279), (452, 18315), (454, 18321), (456, 18327), (467, 18366), (472, 18390), (517, 18492), (534, 18555), (604, 18735), (635, 18834), (670, 18912), (676, 18936), (678, 18942), (687, 18975), (707, 19053), (709, 19059), (764, 19212), (804, 19317), (805, 19320), (809, 19338),

Gene: IrishSherpFalk_17 Start: 16164, Stop: 17873, Start Num: 129

Candidate Starts for IrishSherpFalk_17:

(Start: 129 @16164 has 207 MA's), (205, 16251), (Start: 232 @16296 has 2 MA's), (242, 16320), (279, 16425), (287, 16431), (294, 16449), (309, 16479), (347, 16584), (367, 16644), (376, 16665), (379, 16674), (387, 16698), (396, 16734), (398, 16740), (406, 16773), (407, 16776), (411, 16785), (424, 16800), (425, 16806), (432, 16824), (437, 16839), (439, 16845), (446, 16863), (447, 16866), (452, 16881), (457, 16896), (458, 16902), (469, 16950), (474, 16962), (475, 16968), (517, 17028), (520, 17040), (531, 17076), (533, 17088), (565, 17163), (568, 17172), (575, 17190), (578, 17196), (590, 17226), (639, 17331), (645, 17343), (659, 17379), (680, 17457), (713, 17577), (723, 17610), (734, 17640), (737, 17652), (743, 17670), (745, 17676), (746, 17679), (748, 17685), (757, 17700), (758, 17703), (764, 17724), (765, 17727), (790, 17769), (797, 17799), (808, 17841), (809, 17847),

Gene: Island3_19 Start: 16495, Stop: 18228, Start Num: 139

Candidate Starts for Island3_19:

(Start: 139 @16495 has 6 MA's), (218, 16594), (223, 16603), (249, 16669), (256, 16693), (280, 16753), (287, 16756), (297, 16783), (364, 16963), (375, 16987), (379, 16999), (387, 17023), (432, 17149), (437, 17164), (440, 17173), (453, 17209), (458, 17227), (474, 17287), (533, 17413), (557, 17479), (565, 17488), (568, 17497), (578, 17521), (643, 17665), (662, 17710), (689, 17812), (691, 17821), (696, 17839), (697, 17842), (743, 18001), (749, 18019), (757, 18055), (761, 18070), (786, 18118), (806, 18187),

Gene: Itos_18 Start: 16989, Stop: 18722, Start Num: 131

Candidate Starts for Itos_18:

(Start: 131 @16989 has 77 MA's), (188, 17058), (261, 17199), (262, 17202), (285, 17247), (296, 17280), (299, 17289), (312, 17325), (334, 17379), (344, 17406), (347, 17418), (362, 17469), (365, 17475), (378, 17508), (451, 17661), (458, 17685), (460, 17694), (472, 17739), (476, 17754), (517, 17832), (553, 17952), (575, 18015), (601, 18087), (614, 18123), (670, 18243), (672, 18249), (675, 18261), (691, 18324), (715, 18411), (723, 18438), (748, 18507), (754, 18522), (757, 18534), (764, 18558), (794, 18636),

Gene: Izel_27 Start: 22325, Stop: 24103, Start Num: 86

Candidate Starts for Izel_27:

(51, 22145), (Start: 86 @22325 has 4 MA's), (Start: 93 @22340 has 2 MA's), (Start: 114 @22367 has 15 MA's), (132, 22382), (Start: 167 @22421 has 53 MA's), (188, 22451), (191, 22457), (201, 22469), (257, 22574), (261, 22589), (280, 22628), (327, 22751), (331, 22760), (362, 22856), (379, 22898), (380, 22901), (458, 23078), (496, 23189), (517, 23216), (536, 23288), (539, 23297), (540, 23300), (544, 23312), (586, 23432), (587, 23435), (601, 23477), (612, 23507), (614, 23513), (670, 23633), (672, 23639), (785, 23993), (794, 24020), (800, 24038), (802, 24047),

Gene: JAWS_23 Start: 17142, Stop: 18908, Start Num: 120

Candidate Starts for JAWS_23:

(Start: 120 @17142 has 139 MA's), (Start: 148 @17172 has 2 MA's), (245, 17331), (255, 17364), (265, 17394), (280, 17427), (287, 17439), (315, 17529), (333, 17571), (358, 17643), (360, 17652), (376, 17691), (390, 17736), (397, 17757), (398, 17760), (433, 17814), (439, 17832), (454, 17874), (456, 17880), (463, 17907), (517, 18045), (521, 18063), (533, 18105), (540, 18123), (551, 18153), (564, 18180), (604, 18285), (666, 18444), (677, 18480), (685, 18510), (688, 18519), (707, 18594), (723, 18645), (800, 18840), (809, 18879), (810, 18882), (817, 18900),

Gene: JCole_17 Start: 14749, Stop: 16458, Start Num: 169

Candidate Starts for JCole_17:

(77, 14614), (Start: 169 @14749 has 31 MA's), (238, 14866), (260, 14938), (261, 14941), (279, 14977), (295, 15016), (302, 15037), (340, 15139), (370, 15229), (372, 15232), (410, 15364), (431, 15418), (445, 15469), (455, 15499), (469, 15559), (474, 15571), (513, 15607), (526, 15646), (543, 15688), (556, 15724), (570, 15742), (576, 15757), (585, 15781), (613, 15853), (621, 15877), (671, 15985),

(701, 16111), (705, 16126), (718, 16168), (749, 16261), (750, 16264), (764, 16312), (774, 16342), (790, 16360), (791, 16372), (803, 16411),

Gene: JF1_24 Start: 18622, Stop: 20409, Start Num: 120

Candidate Starts for JF1_24:

(Start: 95 @18583 has 1 MA's), (Start: 111 @18613 has 26 MA's), (Start: 117 @18619 has 41 MA's), (Start: 120 @18622 has 139 MA's), (Start: 145 @18637 has 2 MA's), (177, 18679), (210, 18727), (Start: 232 @18766 has 2 MA's), (237, 18781), (245, 18799), (255, 18832), (265, 18862), (287, 18907), (295, 18925), (315, 18997), (317, 19003), (330, 19033), (332, 19036), (353, 19099), (358, 19111), (407, 19246), (416, 19264), (437, 19294), (439, 19300), (446, 19318), (456, 19348), (467, 19387), (517, 19513), (534, 19576), (604, 19777), (622, 19831), (635, 19876), (655, 19921), (666, 19945), (676, 19978), (685, 20011), (704, 20083), (707, 20095), (723, 20146), (725, 20152), (764, 20254), (809, 20380), (817, 20401),

Gene: Jablanski_20 Start: 17677, Stop: 19383, Start Num: 147

Candidate Starts for Jablanski_20:

(Start: 125 @17653 has 46 MA's), (Start: 147 @17677 has 24 MA's), (224, 17782), (Start: 244 @17824 has 1 MA's), (271, 17899), (313, 18013), (362, 18160), (365, 18166), (451, 18349), (471, 18424), (586, 18706), (592, 18727), (620, 18802), (672, 18925), (679, 18958), (681, 18964), (699, 19030), (707, 19060), (757, 19216), (759, 19222), (764, 19240), (806, 19351),

Gene: Jace_17 Start: 14739, Stop: 16253, Start Num: 209

Candidate Starts for Jace_17:

(55, 14448), (Start: 70 @14538 has 1 MA's), (97, 14598), (Start: 209 @14739 has 1 MA's), (231, 14781), (248, 14826), (266, 14880), (286, 14913), (303, 14964), (352, 15099), (360, 15120), (361, 15123), (370, 15144), (387, 15198), (388, 15204), (455, 15306), (458, 15318), (463, 15336), (477, 15390), (534, 15480), (584, 15594), (622, 15696), (678, 15807), (750, 16056), (775, 16137), (786, 16146), (801, 16194),

Gene: JacoRen57_17 Start: 15449, Stop: 17296, Start Num: 82

Candidate Starts for JacoRen57_17:

(Start: 82 @15449 has 4 MA's), (Start: 184 @15563 has 1 MA's), (200, 15584), (Start: 232 @15638 has 2 MA's), (237, 15653), (256, 15707), (287, 15779), (330, 15905), (340, 15926), (352, 15968), (358, 15983), (365, 16004), (369, 16013), (385, 16058), (390, 16076), (391, 16079), (437, 16208), (439, 16214), (446, 16232), (456, 16262), (459, 16277), (475, 16337), (496, 16388), (516, 16424), (517, 16427), (558, 16556), (660, 16811), (687, 16901), (689, 16910), (704, 16967), (736, 17060), (761, 17129), (807, 17255), (809, 17264),

Gene: JalFarm20_18 Start: 15176, Stop: 16885, Start Num: 129

Candidate Starts for JalFarm20_18:

(Start: 129 @15176 has 207 MA's), (205, 15263), (Start: 232 @15308 has 2 MA's), (242, 15332), (279, 15437), (287, 15443), (294, 15461), (309, 15491), (347, 15596), (367, 15656), (376, 15677), (379, 15686), (387, 15710), (432, 15836), (437, 15851), (439, 15857), (452, 15893), (453, 15896), (457, 15908), (458, 15914), (469, 15962), (474, 15974), (475, 15980), (517, 16040), (520, 16052), (531, 16088), (533, 16100), (565, 16175), (568, 16184), (575, 16202), (578, 16208), (590, 16238), (639, 16343), (643, 16352), (645, 16355), (659, 16391), (680, 16469), (706, 16568), (713, 16589), (723, 16622), (734, 16652), (743, 16682), (746, 16691), (748, 16697), (757, 16712), (758, 16715), (765, 16739), (782, 16769), (790, 16781), (797, 16811), (808, 16853),

Gene: Jalammah_21 Start: 17444, Stop: 19090, Start Num: 171

Candidate Starts for Jalammah_21:

(143, 17408), (Start: 171 @17444 has 46 MA's), (237, 17546), (262, 17624), (265, 17627), (309, 17723), (319, 17762), (348, 17822), (354, 17843), (375, 17897), (380, 17912), (458, 18083), (467,

18113), (541, 18296), (549, 18320), (571, 18371), (605, 18464), (612, 18476), (626, 18521), (631, 18536), (677, 18668), (678, 18671), (704, 18770), (709, 18788), (725, 18839), (750, 18905), (772, 18968), (782, 18980),

Gene: James_16 Start: 14804, Stop: 16513, Start Num: 129

Candidate Starts for James_16:

(Start: 129 @14804 has 207 MA's), (205, 14891), (Start: 232 @14936 has 2 MA's), (242, 14960), (258, 15017), (279, 15065), (287, 15071), (294, 15089), (309, 15119), (347, 15224), (364, 15278), (367, 15284), (371, 15293), (379, 15314), (387, 15338), (396, 15374), (398, 15380), (406, 15413), (407, 15416), (411, 15425), (424, 15440), (425, 15446), (432, 15464), (437, 15479), (439, 15485), (446, 15503), (447, 15506), (452, 15521), (457, 15536), (458, 15542), (469, 15590), (474, 15602), (475, 15608), (517, 15668), (520, 15680), (531, 15716), (533, 15728), (565, 15803), (568, 15812), (575, 15830), (578, 15836), (590, 15866), (639, 15971), (645, 15983), (659, 16019), (680, 16097), (713, 16217), (723, 16250), (734, 16280), (737, 16292), (743, 16310), (745, 16316), (746, 16319), (748, 16325), (757, 16340), (758, 16343), (764, 16364), (765, 16367), (790, 16409), (797, 16439), (808, 16481), (809, 16487),

Gene: Jamie19_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Jamie19_18:

(Start: 134 @14993 has 43 MA's), (161, 15020), (189, 15059), (Start: 232 @15125 has 2 MA's), (236, 15137), (249, 15173), (256, 15197), (265, 15224), (274, 15245), (279, 15254), (287, 15260), (299, 15293), (364, 15467), (367, 15473), (371, 15482), (375, 15491), (379, 15503), (387, 15527), (398, 15569), (406, 15602), (432, 15653), (433, 15656), (437, 15668), (452, 15710), (457, 15725), (458, 15731), (469, 15779), (493, 15833), (517, 15857), (537, 15929), (557, 15983), (565, 15992), (568, 16001), (578, 16025), (589, 16052), (590, 16055), (639, 16160), (643, 16169), (659, 16208), (681, 16289), (697, 16346), (706, 16385), (743, 16499), (757, 16529), (758, 16532), (765, 16556), (786, 16592),

Gene: Jane_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Jane_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (210, 16739), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: JangDynasty_56 Start: 33561, Stop: 35297, Start Num: 109

Candidate Starts for JangDynasty_56:

(Start: 104 @33552 has 2 MA's), (Start: 109 @33561 has 26 MA's), (Start: 184 @33651 has 1 MA's), (248, 33768), (258, 33804), (266, 33825), (279, 33852), (287, 33858), (298, 33888), (311, 33912), (329, 33963), (379, 34101), (381, 34107), (395, 34158), (396, 34161), (401, 34179), (432, 34230), (439, 34251), (440, 34254), (457, 34302), (458, 34308), (469, 34356), (472, 34362), (474, 34368), (507, 34428), (517, 34452), (518, 34455), (531, 34500), (534, 34515), (537, 34524), (541, 34533), (557, 34578), (568, 34596), (582, 34629), (645, 34767), (654, 34788), (674, 34854), (681, 34884), (696, 34938), (706, 34980), (713, 35001), (719, 35022), (723, 35034), (730, 35055), (748, 35109), (786, 35187), (797, 35223), (803, 35244), (809, 35271),

Gene: Jant_16 Start: 14961, Stop: 16670, Start Num: 129

Candidate Starts for Jant_16:

(Start: 129 @14961 has 207 MA's), (205, 15048), (Start: 232 @15093 has 2 MA's), (242, 15117), (279, 15222), (287, 15228), (294, 15246), (309, 15276), (347, 15381), (367, 15441), (376, 15462), (379, 15471), (387, 15495), (432, 15621), (437, 15636), (439, 15642), (452, 15678), (453, 15681), (457,

15693), (458, 15699), (469, 15747), (474, 15759), (475, 15765), (517, 15825), (520, 15837), (531, 15873), (533, 15885), (565, 15960), (568, 15969), (575, 15987), (578, 15993), (590, 16023), (639, 16128), (643, 16137), (645, 16140), (659, 16176), (680, 16254), (706, 16353), (713, 16374), (723, 16407), (734, 16437), (743, 16467), (746, 16476), (748, 16482), (757, 16497), (758, 16500), (765, 16524), (782, 16554), (790, 16566), (797, 16596), (808, 16638),

Gene: Jarcob_16 Start: 14812, Stop: 16521, Start Num: 129

Candidate Starts for Jarcob_16:

(Start: 129 @14812 has 207 MA's), (205, 14899), (Start: 232 @14944 has 2 MA's), (242, 14968), (279, 15073), (287, 15079), (294, 15097), (309, 15127), (347, 15232), (364, 15286), (367, 15292), (371, 15301), (379, 15322), (387, 15346), (396, 15382), (398, 15388), (406, 15421), (407, 15424), (411, 15433), (424, 15448), (425, 15454), (432, 15472), (437, 15487), (439, 15493), (446, 15511), (447, 15514), (452, 15529), (457, 15544), (458, 15550), (469, 15598), (474, 15610), (475, 15616), (517, 15676), (520, 15688), (531, 15724), (533, 15736), (565, 15811), (568, 15820), (575, 15838), (578, 15844), (590, 15874), (639, 15979), (645, 15991), (659, 16027), (680, 16105), (713, 16225), (723, 16258), (734, 16288), (737, 16300), (743, 16318), (745, 16324), (746, 16327), (748, 16333), (757, 16348), (758, 16351), (764, 16372), (765, 16375), (790, 16417), (797, 16447), (808, 16489), (809, 16495),

Gene: Jarvi_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Jarvi_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: JasperJr_19 Start: 16654, Stop: 18300, Start Num: 171

Candidate Starts for JasperJr_19:

(143, 16618), (Start: 171 @16654 has 46 MA's), (237, 16756), (262, 16834), (265, 16837), (309, 16933), (319, 16972), (354, 17053), (375, 17107), (380, 17122), (458, 17293), (467, 17323), (541, 17506), (549, 17530), (550, 17533), (571, 17581), (605, 17674), (612, 17686), (626, 17731), (631, 17746), (677, 17878), (678, 17881), (704, 17980), (709, 17998), (725, 18049), (750, 18115), (772, 18178), (782, 18190),

Gene: Jayhawk_23 Start: 17155, Stop: 18921, Start Num: 120

Candidate Starts for Jayhawk_23:

(Start: 120 @17155 has 139 MA's), (Start: 148 @17185 has 2 MA's), (245, 17344), (255, 17377), (265, 17407), (280, 17440), (287, 17452), (315, 17542), (333, 17584), (358, 17656), (360, 17665), (376, 17704), (390, 17749), (397, 17770), (398, 17773), (433, 17827), (439, 17845), (454, 17887), (456, 17893), (463, 17920), (517, 18058), (521, 18076), (533, 18118), (540, 18136), (551, 18166), (564, 18193), (604, 18298), (666, 18457), (677, 18493), (685, 18523), (688, 18532), (707, 18607), (723, 18658), (761, 18757), (800, 18853), (809, 18892), (810, 18895), (817, 18913),

Gene: JeTaime_26 Start: 20631, Stop: 22226, Start Num: 203

Candidate Starts for JeTaime_26:

(Start: 137 @20547 has 79 MA's), (Start: 203 @20631 has 47 MA's), (Start: 244 @20709 has 1 MA's), (274, 20796), (287, 20811), (309, 20859), (321, 20898), (353, 20985), (365, 21018), (379, 21054), (388, 21084), (390, 21090), (409, 21159), (435, 21189), (438, 21201), (439, 21204), (458, 21261), (518, 21393), (519, 21399), (538, 21465), (541, 21471), (549, 21495), (568, 21543), (578, 21567), (582, 21576), (606, 21651), (643, 21702), (650, 21717), (698, 21879), (704, 21906), (713, 21936), (747, 22041), (786, 22119), (797, 22155), (800, 22164), (808, 22197), (813, 22212),

Gene: Jebeks_19 Start: 16370, Stop: 18106, Start Num: 125

Candidate Starts for Jebeks_19:

(Start: 106 @16346 has 2 MA's), (Start: 125 @16370 has 46 MA's), (175, 16430), (189, 16451), (190, 16454), (253, 16574), (265, 16613), (280, 16646), (295, 16670), (342, 16790), (353, 16829), (355, 16835), (385, 16919), (387, 16925), (390, 16937), (396, 16961), (403, 16988), (409, 17006), (429, 17045), (432, 17051), (440, 17075), (458, 17129), (461, 17141), (464, 17150), (479, 17210), (522, 17288), (533, 17327), (545, 17360), (568, 17426), (574, 17441), (578, 17450), (587, 17474), (597, 17504), (602, 17516), (656, 17618), (662, 17630), (663, 17633), (664, 17639), (665, 17648), (696, 17756), (719, 17840), (752, 17939), (800, 18047), (813, 18095),

Gene: Jeckyll_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Jeckyll_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Jifall16_40 Start: 30479, Stop: 32092, Start Num: 178

Candidate Starts for Jifall16_40:

(Start: 178 @30479 has 37 MA's), (Start: 207 @30515 has 1 MA's), (216, 30533), (245, 30593), (338, 30833), (342, 30845), (346, 30860), (369, 30926), (375, 30941), (383, 30965), (384, 30968), (413, 31052), (438, 31082), (439, 31085), (458, 31142), (469, 31190), (471, 31193), (477, 31214), (531, 31319), (549, 31364), (567, 31406), (627, 31580), (636, 31610), (637, 31616), (691, 31724), (692, 31727), (713, 31802), (797, 32021), (813, 32078),

Gene: Jinglebell_15 Start: 15041, Stop: 16750, Start Num: 129

Candidate Starts for Jinglebell_15:

(Start: 129 @15041 has 207 MA's), (205, 15128), (219, 15149), (Start: 232 @15173 has 2 MA's), (242, 15197), (248, 15218), (279, 15302), (287, 15308), (294, 15326), (309, 15356), (347, 15461), (364, 15515), (367, 15521), (375, 15539), (376, 15542), (379, 15551), (387, 15575), (406, 15650), (411, 15662), (424, 15677), (425, 15683), (432, 15701), (437, 15716), (439, 15722), (449, 15749), (452, 15758), (457, 15773), (458, 15779), (469, 15827), (474, 15839), (475, 15845), (517, 15905), (520, 15917), (531, 15953), (533, 15965), (541, 15986), (565, 16040), (568, 16049), (575, 16067), (578, 16073), (590, 16103), (639, 16208), (643, 16217), (645, 16220), (659, 16256), (671, 16295), (680, 16334), (713, 16454), (723, 16487), (734, 16517), (743, 16547), (746, 16556), (748, 16562), (757, 16577), (758, 16580), (764, 16601), (765, 16604), (786, 16640), (790, 16646), (797, 16676), (808, 16718),

Gene: Job42_19 Start: 16488, Stop: 18197, Start Num: 129

Candidate Starts for Job42_19:

(Start: 129 @16488 has 207 MA's), (205, 16575), (Start: 232 @16620 has 2 MA's), (242, 16644), (279, 16749), (287, 16755), (294, 16773), (309, 16803), (347, 16908), (367, 16968), (376, 16989), (379, 16998), (387, 17022), (432, 17148), (437, 17163), (439, 17169), (452, 17205), (453, 17208), (457, 17220), (458, 17226), (469, 17274), (474, 17286), (475, 17292), (517, 17352), (520, 17364), (531, 17400), (533, 17412), (565, 17487), (568, 17496), (575, 17514), (578, 17520), (590, 17550), (639, 17655), (643, 17664), (645, 17667), (659, 17703), (680, 17781), (706, 17880), (713, 17901), (723, 17934), (734, 17964), (743, 17994), (746, 18003), (748, 18009), (757, 18024), (758, 18027), (764, 18048), (765, 18051), (782, 18081), (790, 18093), (808, 18165),

Gene: Jobypre_19 Start: 17373, Stop: 19136, Start Num: 98

Candidate Starts for Jobypre_19:

(Start: 98 @17373 has 41 MA's), (Start: 120 @17400 has 139 MA's), (174, 17463), (Start: 207 @17511 has 1 MA's), (210, 17517), (239, 17553), (262, 17628), (274, 17652), (278, 17658), (299, 17715), (344, 17829), (347, 17841), (385, 17952), (455, 18096), (458, 18108), (468, 18141), (543, 18330), (545, 18336), (563, 18393), (579, 18435), (583, 18444), (587, 18456), (613, 18531), (635, 18600), (638, 18612), (672, 18660), (689, 18726), (709, 18804), (723, 18849), (744, 18906), (764, 18969), (777, 19005), (785, 19020), (794, 19050), (796, 19056), (800, 19068), (802, 19077), (805, 19089),

Gene: JoeDirt_18 Start: 16738, Stop: 18507, Start Num: 98

Candidate Starts for JoeDirt_18:

(Start: 70 @16675 has 1 MA's), (80, 16696), (85, 16711), (Start: 98 @16738 has 41 MA's), (174, 16831), (Start: 207 @16879 has 1 MA's), (210, 16885), (236, 16912), (239, 16921), (261, 16993), (266, 17002), (278, 17026), (285, 17041), (295, 17071), (344, 17197), (346, 17206), (352, 17227), (357, 17242), (382, 17311), (393, 17347), (404, 17368), (447, 17437), (458, 17476), (517, 17614), (520, 17626), (543, 17701), (545, 17707), (550, 17725), (563, 17764), (575, 17797), (579, 17806), (583, 17815), (586, 17824), (628, 17947), (638, 17983), (672, 18031), (675, 18043), (689, 18097), (715, 18193), (720, 18211), (722, 18217), (723, 18220), (736, 18253), (744, 18277), (764, 18340), (779, 18382), (794, 18421), (800, 18439), (805, 18460), (810, 18481),

Gene: JoeyJr_16 Start: 14976, Stop: 16685, Start Num: 129

Candidate Starts for JoeyJr_16:

(Start: 129 @14976 has 207 MA's), (205, 15063), (Start: 232 @15108 has 2 MA's), (242, 15132), (279, 15237), (287, 15243), (294, 15261), (309, 15291), (347, 15396), (367, 15456), (376, 15477), (379, 15486), (387, 15510), (432, 15636), (437, 15651), (439, 15657), (452, 15693), (453, 15696), (457, 15708), (458, 15714), (469, 15762), (474, 15774), (475, 15780), (517, 15840), (520, 15852), (531, 15888), (533, 15900), (565, 15975), (568, 15984), (575, 16002), (578, 16008), (590, 16038), (639, 16143), (643, 16152), (645, 16155), (659, 16191), (680, 16269), (706, 16368), (713, 16389), (723, 16422), (734, 16452), (743, 16482), (746, 16491), (748, 16497), (757, 16512), (758, 16515), (764, 16536), (765, 16539), (790, 16581), (797, 16611), (808, 16653),

Gene: JoieB_51 Start: 27397, Stop: 29109, Start Num: 131

Candidate Starts for JoieB_51:

(90, 27334), (Start: 131 @27397 has 77 MA's), (196, 27478), (237, 27535), (262, 27616), (266, 27622), (291, 27679), (295, 27691), (299, 27703), (313, 27742), (317, 27757), (346, 27826), (362, 27880), (366, 27889), (443, 28045), (458, 28093), (460, 28102), (463, 28111), (473, 28150), (477, 28165), (517, 28228), (520, 28240), (556, 28357), (557, 28360), (575, 28411), (586, 28438), (587, 28441), (593, 28462), (607, 28504), (665, 28624), (672, 28642), (709, 28786), (723, 28831), (727, 28849), (756, 28933), (759, 28942), (764, 28960), (771, 28981), (794, 29026), (796, 29032), (800, 29044), (803, 29056), (808, 29077), (813, 29092), (815, 29098),

Gene: Jojo24_18 Start: 14985, Stop: 16601, Start Num: 160

Candidate Starts for Jojo24_18:

(Start: 160 @14985 has 11 MA's), (230, 15084), (238, 15108), (280, 15219), (284, 15222), (292, 15240), (295, 15249), (319, 15315), (326, 15330), (330, 15339), (333, 15345), (363, 15435), (384, 15489), (387, 15498), (439, 15588), (472, 15699), (514, 15771), (517, 15777), (519, 15786), (524, 15804), (553, 15894), (558, 15909), (597, 15993), (602, 16008), (605, 16026), (612, 16038), (638, 16104), (670, 16152), (673, 16164), (676, 16176), (681, 16197), (685, 16209), (689, 16224), (698, 16254), (706, 16290), (761, 16443), (773, 16479), (801, 16542), (806, 16563), (813, 16587), (815, 16593),

Gene: Jolene_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Jolene_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's),
(155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039),
(330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369),
(463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780),
(613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050),
(713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Jolie2_18 Start: 15988, Stop: 17715, Start Num: 155

Candidate Starts for Jolie2_18:

(144, 15976), (Start: 150 @15982 has 7 MA's), (155, 15988), (210, 16066), (237, 16120), (255, 16171),
(265, 16201), (275, 16225), (308, 16303), (313, 16327), (330, 16372), (365, 16471), (432, 16627),
(439, 16648), (443, 16657), (454, 16690), (456, 16696), (467, 16735), (474, 16765), (517, 16861),
(564, 17002), (587, 17059), (604, 17107), (613, 17134), (628, 17182), (629, 17185), (645, 17224),
(693, 17350), (713, 17422), (761, 17554), (801, 17653), (811, 17695),

Gene: JonJames_47 Start: 32980, Stop: 34674, Start Num: 146

Candidate Starts for JonJames_47:

(Start: 146 @32980 has 2 MA's), (193, 33046), (198, 33052), (233, 33109), (296, 33268), (300, 33280),
(348, 33406), (363, 33454), (437, 33604), (455, 33655), (458, 33667), (459, 33673), (520, 33814),
(524, 33829), (575, 33988), (614, 34096), (676, 34225), (678, 34231), (679, 34240), (698, 34303),
(707, 34342), (710, 34351), (725, 34399), (756, 34474), (776, 34534), (798, 34582), (805, 34609),
(807, 34618), (808, 34621),

Gene: Jonghyun_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Jonghyun_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's),
(155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039),
(330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369),
(463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780),
(613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050),
(713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: JorRay_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for JorRay_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's),
(155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039),
(330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369),
(463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780),
(613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050),
(713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Journey_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Journey_18:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249,
15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364,
15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406,
15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477,
15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589,
16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743,
16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: Joy99_23 Start: 17117, Stop: 18883, Start Num: 120

Candidate Starts for Joy99_23:

(Start: 120 @17117 has 139 MA's), (Start: 148 @17147 has 2 MA's), (245, 17306), (255, 17339), (265, 17369), (280, 17402), (287, 17414), (315, 17504), (333, 17546), (358, 17618), (360, 17627), (376, 17666), (390, 17711), (397, 17732), (398, 17735), (433, 17789), (439, 17807), (454, 17849), (456, 17855), (463, 17882), (517, 18020), (521, 18038), (533, 18080), (540, 18098), (551, 18128), (564, 18155), (604, 18260), (666, 18419), (677, 18455), (685, 18485), (688, 18494), (707, 18569), (723, 18620), (800, 18815), (809, 18854), (810, 18857), (817, 18875),

Gene: JuJu_19 Start: 16575, Stop: 18221, Start Num: 171

Candidate Starts for JuJu_19:

(143, 16539), (Start: 171 @16575 has 46 MA's), (237, 16677), (262, 16755), (309, 16854), (319, 16893), (354, 16974), (375, 17028), (380, 17043), (433, 17139), (458, 17214), (467, 17244), (541, 17427), (549, 17451), (605, 17595), (612, 17607), (626, 17652), (631, 17667), (677, 17799), (678, 17802), (704, 17901), (709, 17919), (748, 18030), (750, 18036), (772, 18099), (782, 18111),

Gene: Jubie_19 Start: 17374, Stop: 19137, Start Num: 98

Candidate Starts for Jubie_19:

(Start: 98 @17374 has 41 MA's), (Start: 120 @17401 has 139 MA's), (174, 17464), (Start: 207 @17512 has 1 MA's), (210, 17518), (239, 17554), (262, 17629), (274, 17653), (278, 17659), (299, 17716), (344, 17830), (347, 17842), (385, 17953), (455, 18097), (458, 18109), (468, 18142), (543, 18331), (545, 18337), (563, 18394), (579, 18436), (583, 18445), (587, 18457), (613, 18532), (635, 18601), (638, 18613), (672, 18661), (689, 18727), (709, 18805), (723, 18850), (744, 18907), (764, 18970), (777, 19006), (785, 19021), (794, 19051), (796, 19057), (800, 19069), (802, 19078), (805, 19090),

Gene: Juice456_18 Start: 15928, Stop: 17637, Start Num: 129

Candidate Starts for Juice456_18:

(Start: 129 @15928 has 207 MA's), (205, 16015), (Start: 232 @16060 has 2 MA's), (242, 16084), (279, 16189), (287, 16195), (294, 16213), (309, 16243), (347, 16348), (349, 16354), (367, 16408), (371, 16417), (376, 16429), (379, 16438), (387, 16462), (411, 16549), (424, 16564), (432, 16588), (437, 16603), (439, 16609), (452, 16645), (453, 16648), (457, 16660), (458, 16666), (469, 16714), (474, 16726), (475, 16732), (517, 16792), (520, 16804), (531, 16840), (533, 16852), (541, 16873), (565, 16927), (568, 16936), (575, 16954), (578, 16960), (590, 16990), (639, 17095), (643, 17104), (645, 17107), (659, 17143), (678, 17209), (680, 17221), (706, 17320), (713, 17341), (723, 17374), (734, 17404), (743, 17434), (746, 17443), (748, 17449), (757, 17464), (758, 17467), (765, 17491), (782, 17521), (790, 17533), (797, 17563), (808, 17605),

Gene: Juicebox_19 Start: 17730, Stop: 19400, Start Num: 153

Candidate Starts for Juicebox_19:

(18, 17085), (22, 17160), (23, 17184), (46, 17439), (52, 17457), (65, 17586), (143, 17718), (Start: 153 @17730 has 5 MA's), (192, 17781), (221, 17826), (266, 17943), (352, 18159), (369, 18204), (373, 18213), (458, 18405), (472, 18459), (516, 18531), (586, 18732), (587, 18735), (595, 18762), (597, 18765), (607, 18801), (611, 18807), (620, 18831), (625, 18852), (628, 18861), (631, 18870), (632, 18873), (684, 18990), (704, 19065), (706, 19074), (764, 19260), (765, 19263), (786, 19302), (799, 19341), (814, 19395),

Gene: Juliette_24 Start: 18520, Stop: 20310, Start Num: 117

Candidate Starts for Juliette_24:

(Start: 95 @18484 has 1 MA's), (Start: 111 @18514 has 26 MA's), (Start: 117 @18520 has 41 MA's), (Start: 120 @18523 has 139 MA's), (Start: 145 @18538 has 2 MA's), (177, 18580), (210, 18628), (Start: 232 @18667 has 2 MA's), (237, 18682), (245, 18700), (255, 18733), (265, 18763), (287, 18808), (295, 18826), (315, 18898), (317, 18904), (330, 18934), (332, 18937), (353, 19000), (358, 19012), (407, 19147), (416, 19165), (437, 19195), (439, 19201), (446, 19219), (456, 19249), (467, 19288), (517, 19414), (534, 19477), (604, 19678), (622, 19732), (635, 19777), (655, 19822), (666, 19846), (676, 19879), (685, 19912), (704, 19984), (707, 19996), (723, 20047), (725, 20053), (764, 20155),

(809, 20281), (817, 20302),

Gene: Jung_19 Start: 16311, Stop: 18047, Start Num: 125

Candidate Starts for Jung_19:

(Start: 106 @16287 has 2 MA's), (Start: 125 @16311 has 46 MA's), (175, 16371), (189, 16392), (190, 16395), (253, 16515), (265, 16554), (280, 16587), (295, 16611), (342, 16731), (353, 16770), (355, 16776), (385, 16860), (387, 16866), (390, 16878), (396, 16902), (403, 16929), (409, 16947), (429, 16986), (432, 16992), (440, 17016), (458, 17070), (461, 17082), (464, 17091), (479, 17151), (522, 17229), (533, 17268), (545, 17301), (568, 17367), (578, 17391), (587, 17415), (597, 17445), (656, 17559), (662, 17571), (663, 17574), (664, 17580), (665, 17589), (696, 17697), (719, 17781), (752, 17880), (800, 17988), (813, 18036),

Gene: Juniormint_19 Start: 16411, Stop: 18147, Start Num: 125

Candidate Starts for Juniormint_19:

(Start: 106 @16387 has 2 MA's), (Start: 125 @16411 has 46 MA's), (175, 16471), (189, 16492), (190, 16495), (253, 16615), (265, 16654), (280, 16687), (295, 16711), (342, 16831), (353, 16870), (355, 16876), (385, 16960), (387, 16966), (390, 16978), (396, 17002), (403, 17029), (409, 17047), (429, 17086), (432, 17092), (440, 17116), (458, 17170), (461, 17182), (464, 17191), (479, 17251), (522, 17329), (533, 17368), (545, 17401), (568, 17467), (574, 17482), (578, 17491), (587, 17515), (597, 17545), (602, 17557), (656, 17659), (662, 17671), (663, 17674), (664, 17680), (665, 17689), (696, 17797), (719, 17881), (752, 17980), (800, 18088), (813, 18136),

Gene: Juniper1_16 Start: 14801, Stop: 16510, Start Num: 129

Candidate Starts for Juniper1_16:

(Start: 129 @14801 has 207 MA's), (205, 14888), (219, 14909), (Start: 232 @14933 has 2 MA's), (242, 14957), (248, 14978), (279, 15062), (287, 15068), (294, 15086), (309, 15116), (336, 15188), (347, 15221), (364, 15275), (367, 15281), (375, 15299), (376, 15302), (379, 15311), (387, 15335), (398, 15377), (406, 15410), (411, 15422), (424, 15437), (425, 15443), (432, 15461), (437, 15476), (439, 15482), (452, 15518), (453, 15521), (457, 15533), (458, 15539), (469, 15587), (474, 15599), (475, 15605), (517, 15665), (520, 15677), (531, 15713), (533, 15725), (541, 15746), (565, 15800), (568, 15809), (575, 15827), (578, 15833), (590, 15863), (639, 15968), (643, 15977), (645, 15980), (659, 16016), (671, 16055), (680, 16094), (706, 16193), (713, 16214), (723, 16247), (734, 16277), (743, 16307), (745, 16313), (746, 16316), (748, 16322), (757, 16337), (758, 16340), (764, 16361), (765, 16364), (790, 16406), (808, 16478),

Gene: JustASigh_18 Start: 16356, Stop: 18098, Start Num: 117

Candidate Starts for JustASigh_18:

(1, 15306), (2, 15348), (3, 15354), (8, 15468), (12, 15660), (15, 15693), (19, 15771), (29, 15906), (94, 16320), (Start: 117 @16356 has 41 MA's), (193, 16446), (213, 16476), (Start: 232 @16509 has 2 MA's), (272, 16623), (309, 16722), (358, 16863), (362, 16878), (437, 17034), (439, 17040), (440, 17043), (463, 17115), (468, 17130), (470, 17145), (483, 17196), (516, 17244), (575, 17412), (644, 17604), (704, 17772), (716, 17811), (736, 17865), (746, 17895), (761, 17934), (773, 17970), (783, 17982), (803, 18042),

Gene: Kabluna_44 Start: 29561, Stop: 31177, Start Num: 178

Candidate Starts for Kabluna_44:

(Start: 178 @29561 has 37 MA's), (Start: 187 @29573 has 8 MA's), (245, 29675), (273, 29759), (346, 29942), (369, 30008), (375, 30023), (383, 30047), (413, 30134), (438, 30164), (439, 30167), (458, 30224), (477, 30296), (531, 30401), (567, 30488), (586, 30536), (627, 30662), (637, 30698), (692, 30809), (713, 30884), (782, 31061), (797, 31103), (813, 31160),

Gene: Kahlid_18 Start: 16994, Stop: 18727, Start Num: 131

Candidate Starts for Kahlid_18:

(Start: 131 @16994 has 77 MA's), (188, 17063), (261, 17204), (262, 17207), (285, 17252), (296, 17285), (299, 17294), (312, 17330), (334, 17384), (344, 17411), (347, 17423), (362, 17474), (365, 17480), (378, 17513), (451, 17666), (458, 17690), (460, 17699), (472, 17744), (476, 17759), (517, 17837), (553, 17957), (575, 18020), (601, 18092), (614, 18128), (670, 18248), (672, 18254), (675, 18266), (691, 18329), (715, 18416), (723, 18443), (748, 18512), (754, 18527), (757, 18539), (764, 18563), (794, 18641),

Gene: Kalah2_37 Start: 27936, Stop: 29669, Start Num: 131

Candidate Starts for Kalah2_37:

(Start: 131 @27936 has 77 MA's), (Start: 203 @28026 has 47 MA's), (229, 28074), (242, 28104), (295, 28233), (310, 28263), (345, 28362), (355, 28398), (365, 28425), (390, 28497), (393, 28506), (398, 28527), (425, 28596), (439, 28635), (440, 28638), (446, 28653), (458, 28692), (469, 28740), (474, 28752), (475, 28758), (506, 28806), (511, 28815), (518, 28836), (522, 28854), (536, 28902), (575, 29004), (597, 29064), (602, 29076), (650, 29160), (655, 29172), (656, 29178), (662, 29190), (663, 29193), (673, 29232), (678, 29250), (688, 29286), (689, 29292), (713, 29379), (742, 29469), (761, 29511), (767, 29529), (783, 29559), (798, 29601), (813, 29655),

Gene: Kanye_26 Start: 20732, Stop: 22411, Start Num: 137

Candidate Starts for Kanye_26:

(Start: 137 @20732 has 79 MA's), (Start: 203 @20816 has 47 MA's), (Start: 244 @20894 has 1 MA's), (274, 20981), (287, 20996), (309, 21044), (321, 21083), (353, 21170), (365, 21203), (379, 21239), (388, 21269), (390, 21275), (409, 21344), (435, 21374), (438, 21386), (439, 21389), (458, 21446), (518, 21578), (519, 21584), (538, 21650), (541, 21656), (549, 21680), (568, 21728), (578, 21752), (582, 21761), (606, 21836), (643, 21887), (650, 21902), (698, 22064), (704, 22091), (713, 22121), (747, 22226), (786, 22304), (797, 22340), (800, 22349), (808, 22382), (813, 22397),

Gene: KappaFarmDelta_19 Start: 16818, Stop: 18464, Start Num: 171

Candidate Starts for KappaFarmDelta_19:

(143, 16782), (Start: 171 @16818 has 46 MA's), (237, 16920), (262, 16998), (309, 17097), (319, 17136), (344, 17181), (354, 17217), (375, 17271), (380, 17286), (390, 17319), (423, 17367), (427, 17370), (458, 17457), (467, 17487), (541, 17670), (549, 17694), (605, 17838), (612, 17850), (631, 17910), (677, 18042), (678, 18045), (704, 18144), (709, 18162), (725, 18213), (748, 18273), (750, 18279), (772, 18342), (782, 18354),

Gene: Kareem_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Kareem_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Karhdo_16 Start: 14934, Stop: 16643, Start Num: 129

Candidate Starts for Karhdo_16:

(Start: 129 @14934 has 207 MA's), (205, 15021), (Start: 232 @15066 has 2 MA's), (242, 15090), (258, 15147), (279, 15195), (287, 15201), (294, 15219), (309, 15249), (347, 15354), (364, 15408), (367, 15414), (371, 15423), (376, 15435), (379, 15444), (387, 15468), (396, 15504), (398, 15510), (401, 15522), (406, 15543), (407, 15546), (411, 15555), (424, 15570), (425, 15576), (432, 15594), (437, 15609), (439, 15615), (446, 15633), (447, 15636), (452, 15651), (457, 15666), (458, 15672), (467, 15702), (469, 15720), (474, 15732), (475, 15738), (517, 15798), (520, 15810), (531, 15846), (533, 15858), (541, 15879), (565, 15933), (568, 15942), (578, 15966), (590, 15996), (639, 16101), (645, 16113), (659, 16149), (671, 16188), (680, 16227), (706, 16326), (713, 16347), (723, 16380), (734,

16410), (743, 16440), (746, 16449), (748, 16455), (757, 16470), (758, 16473), (764, 16494), (765, 16497), (790, 16539), (797, 16569), (808, 16611), (809, 16617),

Gene: Kari_19 Start: 16385, Stop: 18121, Start Num: 125

Candidate Starts for Kari_19:

(Start: 106 @16361 has 2 MA's), (Start: 125 @16385 has 46 MA's), (175, 16445), (189, 16466), (190, 16469), (253, 16589), (265, 16628), (280, 16661), (295, 16685), (342, 16805), (353, 16844), (355, 16850), (385, 16934), (387, 16940), (390, 16952), (396, 16976), (403, 17003), (409, 17021), (429, 17060), (432, 17066), (440, 17090), (458, 17144), (461, 17156), (464, 17165), (479, 17225), (522, 17303), (533, 17342), (545, 17375), (568, 17441), (574, 17456), (578, 17465), (587, 17489), (597, 17519), (602, 17531), (656, 17633), (662, 17645), (663, 17648), (664, 17654), (665, 17663), (696, 17771), (719, 17855), (752, 17954), (800, 18062), (813, 18110),

Gene: Kasen3_18 Start: 16641, Stop: 18404, Start Num: 111

Candidate Starts for Kasen3_18:

(Start: 111 @16641 has 26 MA's), (Start: 142 @16650 has 43 MA's), (Start: 148 @16656 has 2 MA's), (155, 16662), (237, 16794), (255, 16845), (265, 16875), (275, 16899), (313, 17001), (328, 17040), (330, 17046), (338, 17061), (351, 17106), (393, 17226), (418, 17283), (439, 17322), (456, 17370), (463, 17397), (467, 17409), (491, 17490), (517, 17535), (587, 17733), (598, 17763), (604, 17781), (613, 17808), (638, 17892), (653, 17910), (662, 17925), (676, 17973), (679, 17988), (698, 18051), (713, 18108), (725, 18147), (742, 18189), (761, 18240), (800, 18336), (817, 18396),

Gene: KashFlow_28 Start: 23344, Stop: 25077, Start Num: 131

Candidate Starts for KashFlow_28:

(Start: 131 @23344 has 77 MA's), (Start: 203 @23434 has 47 MA's), (205, 23437), (251, 23539), (274, 23605), (295, 23641), (310, 23671), (313, 23686), (345, 23770), (355, 23806), (365, 23833), (380, 23872), (390, 23905), (393, 23914), (407, 23971), (428, 24013), (455, 24088), (458, 24100), (474, 24160), (506, 24214), (518, 24244), (522, 24262), (526, 24271), (534, 24304), (538, 24316), (541, 24322), (554, 24361), (578, 24418), (650, 24568), (656, 24586), (670, 24628), (676, 24652), (677, 24655), (680, 24670), (689, 24700), (698, 24730), (713, 24787), (767, 24937), (810, 25057), (813, 25063),

Gene: KayGee_18 Start: 15418, Stop: 17112, Start Num: 154

Candidate Starts for KayGee_18:

(Start: 150 @15415 has 7 MA's), (Start: 154 @15418 has 33 MA's), (226, 15517), (Start: 244 @15559 has 1 MA's), (334, 15799), (362, 15886), (372, 15907), (375, 15916), (384, 15943), (398, 15988), (432, 16021), (437, 16036), (446, 16060), (454, 16093), (463, 16126), (467, 16138), (480, 16195), (500, 16225), (516, 16243), (525, 16273), (535, 16303), (555, 16366), (573, 16417), (587, 16453), (591, 16468), (599, 16486), (620, 16543), (622, 16552), (677, 16672), (679, 16684), (693, 16732), (706, 16783), (707, 16786), (713, 16804), (739, 16882), (748, 16909), (759, 16951), (810, 17098), (813, 17104),

Gene: Kenuha5_16 Start: 14929, Stop: 16638, Start Num: 129

Candidate Starts for Kenuha5_16:

(Start: 129 @14929 has 207 MA's), (205, 15016), (Start: 232 @15061 has 2 MA's), (242, 15085), (279, 15190), (287, 15196), (294, 15214), (309, 15244), (347, 15349), (367, 15409), (376, 15430), (379, 15439), (387, 15463), (398, 15505), (406, 15538), (411, 15550), (424, 15565), (425, 15571), (432, 15589), (437, 15604), (439, 15610), (452, 15646), (453, 15649), (457, 15661), (458, 15667), (460, 15676), (469, 15715), (474, 15727), (475, 15733), (517, 15793), (520, 15805), (531, 15841), (533, 15853), (565, 15928), (568, 15937), (575, 15955), (578, 15961), (590, 15991), (639, 16096), (643, 16105), (645, 16108), (659, 16144), (680, 16222), (713, 16342), (734, 16405), (743, 16435), (746, 16444), (748, 16450), (757, 16465), (758, 16468), (765, 16492), (782, 16522), (790, 16534), (808, 16606),

Gene: Keshu_22 Start: 17579, Stop: 19342, Start Num: 120

Candidate Starts for Keshu_22:

(Start: 111 @17570 has 26 MA's), (Start: 120 @17579 has 139 MA's), (208, 17681), (237, 17738), (255, 17789), (265, 17819), (275, 17843), (358, 18074), (360, 18083), (365, 18095), (397, 18188), (398, 18191), (439, 18263), (443, 18272), (454, 18305), (456, 18311), (467, 18350), (475, 18386), (517, 18476), (534, 18539), (569, 18626), (604, 18719), (628, 18794), (666, 18875), (679, 18923), (687, 18947), (695, 18974), (709, 19031), (723, 19076), (761, 19178), (770, 19205), (797, 19265), (800, 19274), (805, 19295), (809, 19313), (811, 19319), (817, 19334),

Gene: Kevin1_18 Start: 14957, Stop: 16666, Start Num: 134

Candidate Starts for Kevin1_18:

(Start: 134 @14957 has 43 MA's), (161, 14984), (Start: 232 @15089 has 2 MA's), (236, 15101), (249, 15137), (265, 15188), (274, 15209), (279, 15218), (287, 15224), (295, 15245), (299, 15257), (364, 15431), (367, 15437), (375, 15455), (379, 15467), (380, 15470), (387, 15491), (406, 15566), (424, 15593), (432, 15617), (433, 15620), (437, 15632), (452, 15674), (457, 15689), (458, 15695), (460, 15704), (469, 15743), (493, 15797), (517, 15821), (533, 15881), (557, 15947), (565, 15956), (568, 15965), (589, 16016), (590, 16019), (639, 16124), (659, 16172), (678, 16238), (697, 16310), (743, 16463), (746, 16472), (757, 16493), (761, 16508), (765, 16520), (786, 16556), (790, 16562),

Gene: KiSi_22 Start: 16322, Stop: 18085, Start Num: 117

Candidate Starts for KiSi_22:

(Start: 95 @16286 has 1 MA's), (Start: 111 @16316 has 26 MA's), (Start: 117 @16322 has 41 MA's), (Start: 148 @16349 has 2 MA's), (Start: 168 @16376 has 11 MA's), (237, 16490), (255, 16541), (280, 16604), (315, 16706), (317, 16712), (346, 16784), (358, 16820), (360, 16829), (376, 16868), (391, 16916), (397, 16934), (416, 16973), (417, 16976), (433, 16991), (437, 17003), (439, 17009), (454, 17051), (456, 17057), (463, 17084), (517, 17222), (521, 17240), (526, 17252), (551, 17330), (583, 17402), (587, 17414), (604, 17462), (628, 17537), (666, 17621), (676, 17654), (678, 17660), (685, 17687), (707, 17771), (709, 17777), (723, 17822), (725, 17828), (761, 17921), (800, 18017), (817, 18077),

Gene: KidneyBean_41 Start: 30603, Stop: 32216, Start Num: 178

Candidate Starts for KidneyBean_41:

(Start: 178 @30603 has 37 MA's), (Start: 207 @30639 has 1 MA's), (216, 30657), (245, 30717), (338, 30957), (342, 30969), (346, 30984), (369, 31050), (375, 31065), (383, 31089), (384, 31092), (413, 31176), (438, 31206), (439, 31209), (458, 31266), (469, 31314), (471, 31317), (477, 31338), (531, 31443), (549, 31488), (567, 31530), (627, 31704), (636, 31734), (637, 31740), (691, 31848), (692, 31851), (713, 31926), (797, 32145), (813, 32202),

Gene: Kiko_20 Start: 16705, Stop: 18399, Start Num: 163

Candidate Starts for Kiko_20:

(Start: 125 @16663 has 46 MA's), (135, 16675), (Start: 163 @16705 has 1 MA's), (248, 16858), (266, 16915), (277, 16933), (283, 16945), (290, 16966), (316, 17044), (356, 17152), (365, 17176), (375, 17200), (398, 17272), (438, 17323), (466, 17419), (473, 17449), (498, 17503), (511, 17509), (526, 17557), (570, 17683), (620, 17818), (621, 17824), (622, 17827), (651, 17893), (681, 17980), (707, 18076), (708, 18079), (713, 18094), (731, 18154), (762, 18253), (764, 18259), (801, 18346), (813, 18391),

Gene: KilKor_19 Start: 16273, Stop: 18009, Start Num: 125

Candidate Starts for KilKor_19:

(Start: 106 @16249 has 2 MA's), (Start: 125 @16273 has 46 MA's), (175, 16333), (189, 16354), (190, 16357), (253, 16477), (265, 16516), (280, 16549), (295, 16573), (342, 16693), (353, 16732), (355, 16738), (385, 16822), (387, 16828), (390, 16840), (396, 16864), (403, 16891), (409, 16909), (429,

16948), (432, 16954), (440, 16978), (458, 17032), (461, 17044), (464, 17053), (479, 17113), (522, 17191), (533, 17230), (545, 17263), (568, 17329), (578, 17353), (587, 17377), (597, 17407), (656, 17521), (662, 17533), (664, 17542), (665, 17551), (696, 17659), (719, 17743), (752, 17842), (800, 17950), (813, 17998),

Gene: Kimberlium_18 Start: 15928, Stop: 17637, Start Num: 129

Candidate Starts for Kimberlium_18:

(Start: 129 @15928 has 207 MA's), (205, 16015), (Start: 232 @16060 has 2 MA's), (242, 16084), (279, 16189), (287, 16195), (294, 16213), (309, 16243), (347, 16348), (349, 16354), (367, 16408), (371, 16417), (376, 16429), (379, 16438), (387, 16462), (411, 16549), (424, 16564), (432, 16588), (437, 16603), (439, 16609), (452, 16645), (453, 16648), (457, 16660), (458, 16666), (469, 16714), (474, 16726), (475, 16732), (517, 16792), (520, 16804), (531, 16840), (533, 16852), (541, 16873), (565, 16927), (568, 16936), (575, 16954), (578, 16960), (590, 16990), (639, 17095), (643, 17104), (645, 17107), (659, 17143), (678, 17209), (680, 17221), (706, 17320), (713, 17341), (723, 17374), (734, 17404), (743, 17434), (746, 17443), (748, 17449), (757, 17464), (758, 17467), (765, 17491), (782, 17521), (790, 17533), (797, 17563), (808, 17605),

Gene: Kimchi_26 Start: 19739, Stop: 21418, Start Num: 137

Candidate Starts for Kimchi_26:

(Start: 137 @19739 has 79 MA's), (Start: 203 @19823 has 47 MA's), (Start: 244 @19901 has 1 MA's), (274, 19988), (287, 20003), (309, 20051), (321, 20090), (353, 20177), (365, 20210), (379, 20246), (388, 20276), (390, 20282), (409, 20351), (435, 20381), (438, 20393), (439, 20396), (458, 20453), (518, 20585), (519, 20591), (538, 20657), (541, 20663), (549, 20687), (568, 20735), (578, 20759), (582, 20768), (606, 20843), (643, 20894), (650, 20909), (698, 21071), (704, 21098), (713, 21128), (747, 21233), (786, 21311), (797, 21347), (800, 21356), (808, 21389), (813, 21404),

Gene: Kimchi1738_31 Start: 27570, Stop: 29168, Start Num: 183

Candidate Starts for Kimchi1738_31:

(Start: 183 @27570 has 8 MA's), (247, 27669), (270, 27738), (289, 27777), (337, 27912), (355, 27972), (428, 28125), (435, 28137), (437, 28146), (438, 28149), (454, 28194), (458, 28209), (460, 28218), (463, 28227), (477, 28281), (482, 28299), (521, 28353), (602, 28569), (632, 28662), (686, 28770), (699, 28824), (722, 28899), (766, 29028), (812, 29154),

Gene: Kinbote_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Kinbote_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574, 18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: KingJulian_16 Start: 14843, Stop: 16552, Start Num: 129

Candidate Starts for KingJulian_16:

(Start: 129 @14843 has 207 MA's), (205, 14930), (Start: 232 @14975 has 2 MA's), (242, 14999), (279, 15104), (287, 15110), (294, 15128), (309, 15158), (347, 15263), (367, 15323), (376, 15344), (379, 15353), (385, 15371), (387, 15377), (432, 15503), (437, 15518), (439, 15524), (452, 15560), (453, 15563), (457, 15575), (458, 15581), (469, 15629), (474, 15641), (475, 15647), (517, 15707), (520, 15719), (531, 15755), (533, 15767), (565, 15842), (568, 15851), (575, 15869), (578, 15875), (590, 15905), (639, 16010), (643, 16019), (645, 16022), (659, 16058), (680, 16136), (706, 16235), (713, 16256), (723, 16289), (734, 16319), (743, 16349), (746, 16358), (748, 16364), (757, 16379), (758,

16382), (765, 16406), (782, 16436), (790, 16448), (797, 16478), (808, 16520),

Gene: KingMidas_17 Start: 16108, Stop: 17817, Start Num: 129

Candidate Starts for KingMidas_17:

(Start: 129 @16108 has 207 MA's), (205, 16195), (Start: 232 @16240 has 2 MA's), (242, 16264), (279, 16369), (287, 16375), (294, 16393), (309, 16423), (347, 16528), (367, 16588), (371, 16597), (379, 16618), (387, 16642), (396, 16678), (398, 16684), (406, 16717), (407, 16720), (411, 16729), (424, 16744), (425, 16750), (432, 16768), (437, 16783), (439, 16789), (446, 16807), (447, 16810), (452, 16825), (453, 16828), (457, 16840), (458, 16846), (469, 16894), (474, 16906), (475, 16912), (517, 16972), (520, 16984), (531, 17020), (533, 17032), (565, 17107), (568, 17116), (575, 17134), (578, 17140), (590, 17170), (639, 17275), (643, 17284), (645, 17287), (659, 17323), (680, 17401), (706, 17500), (713, 17521), (723, 17554), (734, 17584), (737, 17596), (743, 17614), (745, 17620), (746, 17623), (748, 17629), (757, 17644), (758, 17647), (764, 17668), (765, 17671), (790, 17713), (808, 17785), (809, 17791),

Gene: KingPhillip3_55 Start: 33490, Stop: 35226, Start Num: 109

Candidate Starts for KingPhillip3_55:

(Start: 104 @33481 has 2 MA's), (Start: 109 @33490 has 26 MA's), (Start: 184 @33580 has 1 MA's), (248, 33697), (258, 33733), (266, 33754), (279, 33781), (287, 33787), (298, 33817), (311, 33841), (329, 33892), (379, 34030), (381, 34036), (395, 34087), (396, 34090), (401, 34108), (432, 34159), (439, 34180), (440, 34183), (457, 34231), (458, 34237), (469, 34285), (472, 34291), (474, 34297), (507, 34357), (517, 34381), (518, 34384), (531, 34429), (534, 34444), (537, 34453), (541, 34462), (557, 34507), (568, 34525), (582, 34558), (645, 34696), (654, 34717), (674, 34783), (681, 34813), (696, 34867), (706, 34909), (713, 34930), (719, 34951), (723, 34963), (730, 34984), (748, 35038), (786, 35116), (797, 35152), (803, 35173), (809, 35200),

Gene: Kingsley_17 Start: 14662, Stop: 16371, Start Num: 129

Candidate Starts for Kingsley_17:

(Start: 129 @14662 has 207 MA's), (205, 14749), (Start: 232 @14794 has 2 MA's), (242, 14818), (279, 14923), (287, 14929), (294, 14947), (309, 14977), (347, 15082), (367, 15142), (376, 15163), (379, 15172), (387, 15196), (432, 15322), (437, 15337), (439, 15343), (452, 15379), (453, 15382), (457, 15394), (458, 15400), (469, 15448), (474, 15460), (475, 15466), (517, 15526), (520, 15538), (531, 15574), (533, 15586), (565, 15661), (568, 15670), (575, 15688), (578, 15694), (590, 15724), (639, 15829), (643, 15838), (645, 15841), (659, 15877), (680, 15955), (706, 16054), (713, 16075), (723, 16108), (734, 16138), (743, 16168), (746, 16177), (748, 16183), (757, 16198), (758, 16201), (765, 16225), (782, 16255), (790, 16267), (797, 16297), (808, 16339),

Gene: Kingsolomon_19 Start: 17373, Stop: 19136, Start Num: 98

Candidate Starts for Kingsolomon_19:

(Start: 98 @17373 has 41 MA's), (Start: 120 @17400 has 139 MA's), (174, 17463), (Start: 207 @17511 has 1 MA's), (210, 17517), (239, 17553), (262, 17628), (274, 17652), (278, 17658), (299, 17715), (344, 17829), (347, 17841), (385, 17952), (455, 18096), (458, 18108), (468, 18141), (543, 18330), (545, 18336), (563, 18393), (579, 18435), (583, 18444), (587, 18456), (613, 18531), (635, 18600), (638, 18612), (672, 18660), (689, 18726), (709, 18804), (723, 18849), (744, 18906), (764, 18969), (777, 19005), (785, 19020), (794, 19050), (796, 19056), (800, 19068), (802, 19077), (805, 19089),

Gene: KirDoubleO7_17 Start: 17382, Stop: 19145, Start Num: 98

Candidate Starts for KirDoubleO7_17:

(Start: 98 @17382 has 41 MA's), (Start: 120 @17409 has 139 MA's), (174, 17472), (Start: 207 @17520 has 1 MA's), (210, 17526), (239, 17562), (262, 17637), (299, 17724), (344, 17838), (347, 17850), (385, 17961), (455, 18105), (458, 18117), (463, 18135), (468, 18150), (543, 18339), (563, 18402), (575, 18435), (579, 18444), (583, 18453), (587, 18465), (613, 18540), (635, 18609), (638, 18621), (672, 18669), (689, 18735), (709, 18813), (715, 18831), (723, 18858), (740, 18903), (744, 18915), (764,

18978), (777, 19014), (785, 19029), (794, 19059), (796, 19065), (800, 19077), (802, 19086), (805, 19098),

Gene: Kita_19 Start: 17773, Stop: 19371, Start Num: 167

Candidate Starts for Kita_19:

(Start: 167 @17773 has 53 MA's), (299, 18022), (302, 18031), (309, 18049), (310, 18052), (327, 18106), (354, 18181), (380, 18250), (381, 18259), (385, 18271), (400, 18322), (406, 18349), (410, 18358), (411, 18361), (455, 18391), (456, 18394), (469, 18451), (513, 18517), (542, 18595), (553, 18628), (570, 18652), (584, 18688), (621, 18790), (637, 18847), (668, 18892), (671, 18898), (680, 18937), (750, 19177), (774, 19255),

Gene: Klein_37 Start: 26895, Stop: 28893, Start Num: 131

Candidate Starts for Klein_37:

(Start: 131 @26895 has 77 MA's), (Start: 203 @26985 has 47 MA's), (229, 27033), (242, 27063), (251, 27090), (295, 27192), (310, 27222), (345, 27321), (355, 27357), (357, 27363), (365, 27384), (390, 27456), (393, 27465), (398, 27486), (439, 27594), (440, 27597), (446, 27612), (458, 27651), (469, 27699), (474, 27711), (475, 27717), (506, 27765), (511, 27774), (518, 27795), (522, 27813), (536, 27861), (575, 27963), (602, 28035), (615, 28080), (616, 28092), (617, 28227), (618, 28233), (619, 28257), (630, 28329), (637, 28356), (714, 28605),

Gene: KleverKiS_28 Start: 22309, Stop: 24087, Start Num: 86

Candidate Starts for KleverKiS_28:

(51, 22129), (Start: 86 @22309 has 4 MA's), (Start: 93 @22324 has 2 MA's), (Start: 114 @22351 has 15 MA's), (132, 22366), (Start: 167 @22405 has 53 MA's), (188, 22435), (191, 22441), (201, 22453), (257, 22558), (261, 22573), (280, 22612), (327, 22735), (331, 22744), (362, 22840), (379, 22882), (380, 22885), (458, 23062), (496, 23173), (517, 23200), (536, 23272), (539, 23281), (540, 23284), (544, 23296), (586, 23416), (587, 23419), (601, 23461), (612, 23491), (614, 23497), (670, 23617), (672, 23623), (785, 23977), (794, 24004), (800, 24022), (802, 24031),

Gene: Koella_16 Start: 14774, Stop: 16483, Start Num: 129

Candidate Starts for Koella_16:

(Start: 129 @14774 has 207 MA's), (205, 14861), (Start: 232 @14906 has 2 MA's), (242, 14930), (279, 15035), (287, 15041), (294, 15059), (309, 15089), (347, 15194), (367, 15254), (376, 15275), (379, 15284), (387, 15308), (432, 15434), (437, 15449), (439, 15455), (452, 15491), (453, 15494), (457, 15506), (458, 15512), (469, 15560), (474, 15572), (475, 15578), (517, 15638), (520, 15650), (531, 15686), (533, 15698), (565, 15773), (568, 15782), (575, 15800), (578, 15806), (590, 15836), (639, 15941), (643, 15950), (645, 15953), (659, 15989), (680, 16067), (706, 16166), (713, 16187), (723, 16220), (734, 16250), (743, 16280), (746, 16289), (748, 16295), (757, 16310), (758, 16313), (765, 16337), (782, 16367), (790, 16379), (797, 16409), (808, 16451),

Gene: Kostya_24 Start: 19745, Stop: 21424, Start Num: 137

Candidate Starts for Kostya_24:

(Start: 137 @19745 has 79 MA's), (Start: 203 @19829 has 47 MA's), (Start: 244 @19907 has 1 MA's), (274, 19994), (287, 20009), (309, 20057), (321, 20096), (353, 20183), (365, 20216), (379, 20252), (388, 20282), (390, 20288), (409, 20357), (435, 20387), (438, 20399), (439, 20402), (458, 20459), (518, 20591), (519, 20597), (538, 20663), (541, 20669), (549, 20693), (568, 20741), (578, 20765), (582, 20774), (606, 20849), (643, 20900), (650, 20915), (698, 21077), (704, 21104), (713, 21134), (747, 21239), (786, 21317), (797, 21353), (800, 21362), (808, 21395), (813, 21410),

Gene: Krakatau_17 Start: 15504, Stop: 17213, Start Num: 129

Candidate Starts for Krakatau_17:

(Start: 129 @15504 has 207 MA's), (205, 15591), (Start: 232 @15636 has 2 MA's), (242, 15660), (279, 15765), (287, 15771), (294, 15789), (309, 15819), (347, 15924), (367, 15984), (376, 16005), (379,

16014), (387, 16038), (432, 16164), (437, 16179), (439, 16185), (452, 16221), (453, 16224), (457, 16236), (458, 16242), (469, 16290), (474, 16302), (475, 16308), (517, 16368), (520, 16380), (531, 16416), (533, 16428), (565, 16503), (568, 16512), (575, 16530), (578, 16536), (590, 16566), (639, 16671), (643, 16680), (645, 16683), (659, 16719), (680, 16797), (706, 16896), (713, 16917), (723, 16950), (734, 16980), (743, 17010), (746, 17019), (748, 17025), (757, 17040), (758, 17043), (765, 17067), (782, 17097), (790, 17109), (797, 17139), (808, 17181),

Gene: Kratio_20 Start: 17226, Stop: 18998, Start Num: 123

Candidate Starts for Kratio_20:

(Start: 123 @17226 has 15 MA's), (127, 17232), (Start: 151 @17256 has 2 MA's), (177, 17289), (210, 17337), (237, 17391), (255, 17442), (280, 17505), (317, 17613), (358, 17721), (397, 17835), (398, 17838), (417, 17877), (433, 17892), (437, 17904), (439, 17910), (452, 17946), (454, 17952), (456, 17958), (467, 17997), (472, 18021), (517, 18123), (534, 18186), (604, 18366), (635, 18465), (670, 18543), (676, 18567), (678, 18573), (687, 18606), (707, 18684), (709, 18690), (764, 18843), (804, 18948), (805, 18951), (809, 18969),

Gene: Kraw_25 Start: 18546, Stop: 20333, Start Num: 120

Candidate Starts for Kraw_25:

(Start: 95 @18507 has 1 MA's), (Start: 111 @18537 has 26 MA's), (Start: 117 @18543 has 41 MA's), (Start: 120 @18546 has 139 MA's), (Start: 145 @18561 has 2 MA's), (177, 18603), (210, 18651), (Start: 232 @18690 has 2 MA's), (237, 18705), (245, 18723), (255, 18756), (265, 18786), (287, 18831), (295, 18849), (315, 18921), (317, 18927), (330, 18957), (332, 18960), (353, 19023), (358, 19035), (407, 19170), (416, 19188), (437, 19218), (439, 19224), (446, 19242), (456, 19272), (467, 19311), (517, 19437), (534, 19500), (604, 19701), (622, 19755), (635, 19800), (655, 19845), (666, 19869), (676, 19902), (685, 19935), (704, 20007), (707, 20019), (723, 20070), (725, 20076), (764, 20178), (809, 20304), (817, 20325),

Gene: Krili_55 Start: 32985, Stop: 34721, Start Num: 109

Candidate Starts for Krili_55:

(Start: 104 @32976 has 2 MA's), (Start: 109 @32985 has 26 MA's), (Start: 184 @33075 has 1 MA's), (248, 33192), (258, 33228), (266, 33249), (279, 33276), (287, 33282), (298, 33312), (311, 33336), (329, 33387), (379, 33525), (381, 33531), (395, 33582), (396, 33585), (401, 33603), (432, 33654), (439, 33675), (440, 33678), (457, 33726), (458, 33732), (469, 33780), (472, 33786), (474, 33792), (507, 33852), (517, 33876), (518, 33879), (531, 33924), (534, 33939), (537, 33948), (541, 33957), (557, 34002), (568, 34020), (582, 34053), (645, 34191), (654, 34212), (674, 34278), (681, 34308), (696, 34362), (706, 34404), (713, 34425), (719, 34446), (723, 34458), (730, 34479), (748, 34533), (786, 34611), (797, 34647), (803, 34668), (809, 34695),

Gene: KristaRAM_17 Start: 15479, Stop: 17188, Start Num: 129

Candidate Starts for KristaRAM_17:

(Start: 129 @15479 has 207 MA's), (205, 15566), (Start: 232 @15611 has 2 MA's), (242, 15635), (279, 15740), (287, 15746), (294, 15764), (309, 15794), (347, 15899), (367, 15959), (376, 15980), (379, 15989), (387, 16013), (432, 16139), (437, 16154), (439, 16160), (452, 16196), (453, 16199), (457, 16211), (458, 16217), (469, 16265), (474, 16277), (475, 16283), (517, 16343), (520, 16355), (531, 16391), (533, 16403), (565, 16478), (568, 16487), (575, 16505), (578, 16511), (590, 16541), (639, 16646), (643, 16655), (645, 16658), (659, 16694), (680, 16772), (706, 16871), (713, 16892), (723, 16925), (734, 16955), (743, 16985), (746, 16994), (748, 17000), (757, 17015), (758, 17018), (765, 17042), (782, 17072), (790, 17084), (797, 17114), (808, 17156),

Gene: Kropertea_18 Start: 16595, Stop: 18358, Start Num: 98

Candidate Starts for Kropertea_18:

(Start: 98 @16595 has 41 MA's), (210, 16736), (237, 16766), (261, 16844), (262, 16847), (343, 17045), (344, 17048), (347, 17060), (353, 17081), (390, 17189), (404, 17219), (458, 17327), (460, 17336),

(469, 17375), (476, 17396), (543, 17552), (563, 17615), (579, 17657), (583, 17666), (587, 17678), (614, 17756), (672, 17882), (674, 17891), (679, 17915), (706, 18017), (709, 18026), (715, 18044), (723, 18071), (744, 18128), (764, 18191), (777, 18227), (785, 18242), (794, 18272), (802, 18299), (805, 18311), (810, 18332),

Gene: Krueger_22 Start: 16300, Stop: 18075, Start Num: 111

Candidate Starts for Krueger_22:

(Start: 111 @16300 has 26 MA's), (Start: 120 @16309 has 139 MA's), (Start: 148 @16339 has 2 MA's), (Start: 232 @16465 has 2 MA's), (237, 16480), (255, 16531), (265, 16561), (287, 16606), (315, 16696), (330, 16732), (360, 16819), (393, 16912), (397, 16924), (398, 16927), (437, 16993), (439, 16999), (454, 17041), (456, 17047), (496, 17173), (521, 17230), (564, 17347), (583, 17392), (587, 17404), (604, 17452), (628, 17527), (635, 17551), (677, 17647), (707, 17761), (723, 17812), (725, 17818), (761, 17911), (809, 18046), (810, 18049), (817, 18067),

Gene: Krypton555_19 Start: 17311, Stop: 19074, Start Num: 98

Candidate Starts for Krypton555_19:

(Start: 98 @17311 has 41 MA's), (Start: 120 @17338 has 139 MA's), (174, 17401), (210, 17455), (239, 17491), (262, 17566), (274, 17590), (278, 17596), (299, 17653), (344, 17767), (347, 17779), (385, 17890), (455, 18034), (458, 18046), (543, 18268), (545, 18274), (563, 18331), (579, 18373), (583, 18382), (587, 18394), (613, 18469), (634, 18535), (638, 18550), (672, 18598), (689, 18664), (709, 18742), (723, 18787), (744, 18844), (764, 18907), (777, 18943), (785, 18958), (794, 18988), (796, 18994), (800, 19006), (802, 19015), (805, 19027),

Gene: Ksquared_19 Start: 16407, Stop: 18143, Start Num: 125

Candidate Starts for Ksquared_19:

(Start: 106 @16383 has 2 MA's), (Start: 125 @16407 has 46 MA's), (175, 16467), (189, 16488), (190, 16491), (253, 16611), (265, 16650), (280, 16683), (295, 16707), (342, 16827), (353, 16866), (355, 16872), (385, 16956), (387, 16962), (390, 16974), (396, 16998), (403, 17025), (409, 17043), (429, 17082), (432, 17088), (440, 17112), (458, 17166), (461, 17178), (464, 17187), (479, 17247), (522, 17325), (533, 17364), (545, 17397), (568, 17463), (574, 17478), (578, 17487), (587, 17511), (597, 17541), (602, 17553), (656, 17655), (662, 17667), (663, 17670), (664, 17676), (665, 17685), (696, 17793), (719, 17877), (752, 17976), (800, 18084), (813, 18132),

Gene: Kudrefre_27 Start: 21780, Stop: 23531, Start Num: 122

Candidate Starts for Kudrefre_27:

(78, 21702), (Start: 109 @21765 has 26 MA's), (Start: 122 @21780 has 7 MA's), (144, 21804), (188, 21861), (Start: 207 @21888 has 1 MA's), (Start: 232 @21915 has 2 MA's), (241, 21933), (245, 21942), (246, 21945), (262, 22005), (295, 22080), (302, 22101), (312, 22140), (346, 22230), (353, 22254), (362, 22284), (384, 22341), (391, 22365), (447, 22458), (451, 22473), (454, 22482), (458, 22497), (460, 22506), (468, 22530), (472, 22551), (492, 22605), (511, 22623), (535, 22704), (539, 22716), (547, 22740), (587, 22854), (624, 22962), (632, 22986), (649, 23013), (672, 23058), (678, 23082), (691, 23133), (704, 23181), (709, 23199), (725, 23250), (739, 23286), (757, 23337), (759, 23343), (766, 23367), (780, 23406), (788, 23421), (794, 23448), (803, 23478), (806, 23490), (815, 23520),

Gene: Kumao_28 Start: 21466, Stop: 23190, Start Num: 111

Candidate Starts for Kumao_28:

(Start: 86 @21427 has 4 MA's), (Start: 111 @21466 has 26 MA's), (201, 21556), (280, 21718), (295, 21757), (296, 21760), (318, 21823), (331, 21850), (362, 21946), (379, 21988), (408, 22066), (439, 22108), (458, 22168), (463, 22186), (496, 22279), (539, 22384), (540, 22387), (543, 22396), (556, 22438), (587, 22522), (672, 22726), (675, 22738), (701, 22843), (731, 22942), (744, 22975), (759, 23014), (760, 23020), (778, 23068), (794, 23107), (796, 23113), (815, 23179),

Gene: Kurt_41 Start: 30840, Stop: 32453, Start Num: 178

Candidate Starts for Kurt_41:

(Start: 178 @30840 has 37 MA's), (Start: 207 @30876 has 1 MA's), (216, 30894), (245, 30954), (338, 31194), (342, 31206), (346, 31221), (369, 31287), (375, 31302), (383, 31326), (384, 31329), (413, 31413), (438, 31443), (439, 31446), (458, 31503), (469, 31551), (471, 31554), (477, 31575), (531, 31680), (549, 31725), (567, 31767), (627, 31941), (636, 31971), (637, 31977), (691, 32085), (692, 32088), (713, 32163), (797, 32382), (813, 32439),

Gene: Kuwabara_19 Start: 15987, Stop: 17696, Start Num: 147

Candidate Starts for Kuwabara_19:

(Start: 147 @15987 has 24 MA's), (157, 15999), (159, 16002), (304, 16299), (318, 16350), (322, 16359), (331, 16377), (346, 16419), (348, 16425), (357, 16455), (362, 16473), (382, 16524), (384, 16530), (393, 16560), (433, 16602), (440, 16623), (443, 16629), (450, 16653), (463, 16704), (464, 16707), (471, 16737), (539, 16887), (550, 16923), (596, 17049), (620, 17115), (672, 17238), (677, 17259), (679, 17271), (681, 17277), (684, 17286), (685, 17289), (699, 17343), (707, 17373), (727, 17442), (757, 17529), (759, 17535), (776, 17586), (797, 17631), (808, 17673), (814, 17691),

Gene: Kwekel_32 Start: 27487, Stop: 29106, Start Num: 168

Candidate Starts for Kwekel_32:

(Start: 168 @27487 has 11 MA's), (176, 27493), (185, 27508), (230, 27571), (274, 27694), (280, 27706), (308, 27763), (338, 27841), (380, 27964), (440, 28078), (451, 28108), (463, 28150), (479, 28213), (517, 28261), (519, 28270), (537, 28333), (550, 28369), (612, 28534), (613, 28537), (622, 28564), (648, 28615), (676, 28672), (677, 28675), (687, 28711), (689, 28720), (702, 28777), (704, 28783), (705, 28789), (720, 28837), (723, 28846), (725, 28852), (726, 28855), (742, 28894), (746, 28906), (761, 28951), (791, 29020), (805, 29068), (808, 29080), (813, 29095),

Gene: Lamberg_17 Start: 14694, Stop: 16403, Start Num: 169

Candidate Starts for Lamberg_17:

(Start: 169 @14694 has 31 MA's), (238, 14811), (260, 14883), (295, 14961), (340, 15084), (346, 15105), (370, 15174), (372, 15177), (388, 15234), (410, 15309), (431, 15363), (455, 15444), (469, 15504), (556, 15669), (570, 15687), (576, 15702), (585, 15726), (613, 15798), (614, 15801), (621, 15822), (701, 16056), (705, 16071), (718, 16113), (749, 16206), (750, 16209), (764, 16257), (774, 16287), (800, 16344),

Gene: Langerak_19 Start: 16369, Stop: 18105, Start Num: 125

Candidate Starts for Langerak_19:

(Start: 106 @16345 has 2 MA's), (Start: 125 @16369 has 46 MA's), (175, 16429), (189, 16450), (190, 16453), (253, 16573), (265, 16612), (280, 16645), (295, 16669), (342, 16789), (353, 16828), (355, 16834), (385, 16918), (387, 16924), (390, 16936), (396, 16960), (403, 16987), (409, 17005), (429, 17044), (432, 17050), (440, 17074), (458, 17128), (461, 17140), (464, 17149), (479, 17209), (522, 17287), (533, 17326), (545, 17359), (568, 17425), (574, 17440), (578, 17449), (587, 17473), (597, 17503), (602, 17515), (656, 17617), (662, 17629), (663, 17632), (664, 17638), (665, 17647), (696, 17755), (719, 17839), (752, 17938), (800, 18046), (813, 18094),

Gene: LastHope_23 Start: 16451, Stop: 18217, Start Num: 120

Candidate Starts for LastHope_23:

(Start: 120 @16451 has 139 MA's), (Start: 148 @16481 has 2 MA's), (245, 16640), (255, 16673), (265, 16703), (287, 16748), (295, 16766), (315, 16838), (358, 16952), (360, 16961), (376, 17000), (391, 17048), (397, 17066), (398, 17069), (433, 17123), (439, 17141), (454, 17183), (456, 17189), (463, 17216), (472, 17252), (517, 17354), (521, 17372), (540, 17432), (551, 17462), (564, 17489), (604, 17594), (666, 17753), (677, 17789), (685, 17819), (707, 17903), (723, 17954), (761, 18053), (764, 18062), (786, 18104), (809, 18188), (810, 18191), (817, 18209),

Gene: LastJedi_16 Start: 14805, Stop: 16514, Start Num: 129

Candidate Starts for LastJedi_16:

(Start: 129 @14805 has 207 MA's), (205, 14892), (Start: 232 @14937 has 2 MA's), (242, 14961), (279, 15066), (287, 15072), (294, 15090), (309, 15120), (347, 15225), (367, 15285), (376, 15306), (379, 15315), (387, 15339), (432, 15465), (437, 15480), (439, 15486), (452, 15522), (453, 15525), (457, 15537), (458, 15543), (469, 15591), (474, 15603), (475, 15609), (517, 15669), (520, 15681), (531, 15717), (533, 15729), (565, 15804), (568, 15813), (575, 15831), (578, 15837), (590, 15867), (639, 15972), (643, 15981), (645, 15984), (659, 16020), (680, 16098), (706, 16197), (713, 16218), (723, 16251), (734, 16281), (743, 16311), (746, 16320), (748, 16326), (757, 16341), (758, 16344), (765, 16368), (782, 16398), (790, 16410), (797, 16440), (808, 16482),

Gene: LaterM_23 Start: 17116, Stop: 18882, Start Num: 120

Candidate Starts for LaterM_23:

(Start: 120 @17116 has 139 MA's), (Start: 148 @17146 has 2 MA's), (245, 17305), (255, 17338), (265, 17368), (280, 17401), (287, 17413), (315, 17503), (330, 17539), (333, 17545), (358, 17617), (360, 17626), (376, 17665), (390, 17710), (397, 17731), (398, 17734), (439, 17806), (454, 17848), (456, 17854), (463, 17881), (472, 17917), (491, 17974), (517, 18019), (521, 18037), (540, 18097), (551, 18127), (564, 18154), (604, 18259), (633, 18349), (666, 18418), (677, 18454), (685, 18484), (688, 18493), (707, 18568), (723, 18619), (761, 18718), (786, 18769), (809, 18853), (810, 18856), (817, 18874),

Gene: Latretium_17 Start: 15486, Stop: 17195, Start Num: 129

Candidate Starts for Latretium_17:

(Start: 129 @15486 has 207 MA's), (205, 15573), (219, 15594), (Start: 232 @15618 has 2 MA's), (242, 15642), (248, 15663), (279, 15747), (287, 15753), (294, 15771), (309, 15801), (347, 15906), (367, 15966), (371, 15975), (376, 15987), (379, 15996), (385, 16014), (387, 16020), (398, 16062), (406, 16095), (411, 16107), (424, 16122), (425, 16128), (432, 16146), (437, 16161), (439, 16167), (447, 16188), (453, 16206), (457, 16218), (458, 16224), (469, 16272), (474, 16284), (475, 16290), (517, 16350), (520, 16362), (531, 16398), (533, 16410), (565, 16485), (568, 16494), (575, 16512), (578, 16518), (590, 16548), (639, 16653), (643, 16662), (645, 16665), (659, 16701), (680, 16779), (706, 16878), (713, 16899), (723, 16932), (734, 16962), (743, 16992), (746, 17001), (748, 17007), (757, 17022), (758, 17025), (765, 17049), (782, 17079), (790, 17091), (797, 17121), (808, 17163),

Gene: Lauer_17 Start: 15467, Stop: 17161, Start Num: 154

Candidate Starts for Lauer_17:

(Start: 150 @15464 has 7 MA's), (Start: 154 @15467 has 33 MA's), (226, 15566), (Start: 244 @15608 has 1 MA's), (334, 15848), (362, 15935), (372, 15956), (375, 15965), (384, 15992), (398, 16037), (432, 16070), (437, 16085), (446, 16109), (454, 16142), (463, 16175), (467, 16187), (480, 16244), (500, 16274), (516, 16292), (525, 16322), (535, 16352), (555, 16415), (573, 16466), (587, 16502), (591, 16517), (599, 16535), (620, 16592), (622, 16601), (677, 16721), (679, 16733), (693, 16781), (706, 16832), (707, 16835), (713, 16853), (739, 16931), (748, 16958), (759, 17000), (810, 17147), (813, 17153),

Gene: LeBron_18 Start: 16772, Stop: 18541, Start Num: 98

Candidate Starts for LeBron_18:

(Start: 70 @16709 has 1 MA's), (80, 16730), (85, 16745), (Start: 98 @16772 has 41 MA's), (174, 16865), (Start: 207 @16913 has 1 MA's), (210, 16919), (236, 16946), (237, 16949), (239, 16955), (261, 17027), (266, 17036), (278, 17060), (285, 17075), (295, 17105), (344, 17231), (346, 17240), (352, 17261), (357, 17276), (382, 17345), (393, 17381), (404, 17402), (447, 17471), (458, 17510), (517, 17648), (520, 17660), (543, 17735), (545, 17741), (550, 17759), (563, 17798), (575, 17831), (579, 17840), (583, 17849), (586, 17858), (628, 17981), (638, 18017), (672, 18065), (675, 18077), (689, 18131), (715, 18227), (720, 18245), (722, 18251), (723, 18254), (736, 18287), (744, 18311), (764, 18374), (779, 18416), (794, 18455), (800, 18473), (805, 18494), (810, 18515),

Gene: LeMond_22 Start: 16387, Stop: 18156, Start Num: 111

Candidate Starts for LeMond_22:

(Start: 95 @16357 has 1 MA's), (Start: 111 @16387 has 26 MA's), (Start: 117 @16393 has 41 MA's), (Start: 148 @16420 has 2 MA's), (Start: 168 @16447 has 11 MA's), (237, 16561), (255, 16612), (280, 16675), (315, 16777), (317, 16783), (346, 16855), (358, 16891), (360, 16900), (376, 16939), (391, 16987), (397, 17005), (416, 17044), (417, 17047), (433, 17062), (437, 17074), (439, 17080), (454, 17122), (456, 17128), (463, 17155), (517, 17293), (521, 17311), (526, 17323), (551, 17401), (583, 17473), (587, 17485), (604, 17533), (628, 17608), (666, 17692), (676, 17725), (678, 17731), (685, 17758), (707, 17842), (709, 17848), (723, 17893), (725, 17899), (761, 17992), (800, 18088), (817, 18148),

Gene: Lea83_23 Start: 17576, Stop: 19339, Start Num: 120

Candidate Starts for Lea83_23:

(Start: 111 @17567 has 26 MA's), (Start: 120 @17576 has 139 MA's), (Start: 142 @17588 has 43 MA's), (208, 17678), (237, 17735), (255, 17786), (265, 17816), (275, 17840), (358, 18071), (360, 18080), (365, 18092), (393, 18173), (397, 18185), (398, 18188), (439, 18260), (443, 18269), (454, 18302), (456, 18308), (467, 18347), (475, 18383), (517, 18473), (534, 18536), (545, 18566), (569, 18623), (604, 18716), (660, 18854), (666, 18872), (679, 18920), (687, 18944), (695, 18971), (709, 19028), (723, 19073), (761, 19175), (797, 19262), (800, 19271), (805, 19292), (809, 19310), (811, 19316), (817, 19331),

Gene: Lebo14_25 Start: 18639, Stop: 20426, Start Num: 120

Candidate Starts for Lebo14_25:

(Start: 95 @18600 has 1 MA's), (Start: 111 @18630 has 26 MA's), (Start: 117 @18636 has 41 MA's), (Start: 120 @18639 has 139 MA's), (177, 18696), (210, 18744), (Start: 232 @18783 has 2 MA's), (237, 18798), (245, 18816), (255, 18849), (265, 18879), (287, 18924), (295, 18942), (315, 19014), (317, 19020), (330, 19050), (353, 19116), (358, 19128), (407, 19263), (437, 19311), (439, 19317), (446, 19335), (456, 19365), (467, 19404), (517, 19530), (533, 19590), (534, 19593), (541, 19611), (546, 19626), (604, 19794), (622, 19848), (635, 19893), (655, 19938), (666, 19962), (676, 19995), (685, 20028), (704, 20100), (707, 20112), (723, 20163), (725, 20169), (764, 20271), (809, 20397), (817, 20418),

Gene: Lemuria_19 Start: 16718, Stop: 18526, Start Num: 89

Candidate Starts for Lemuria_19:

(Start: 89 @16718 has 1 MA's), (210, 16865), (237, 16919), (255, 16970), (275, 17024), (308, 17102), (330, 17171), (333, 17177), (439, 17447), (443, 17456), (454, 17489), (456, 17495), (467, 17534), (474, 17564), (494, 17618), (517, 17660), (564, 17801), (604, 17906), (613, 17933), (624, 17969), (628, 17981), (676, 18098), (693, 18161), (698, 18176), (703, 18200), (723, 18266), (761, 18365), (811, 18506),

Gene: Leonard_33 Start: 29137, Stop: 30762, Start Num: 166

Candidate Starts for Leonard_33:

(Start: 119 @29080 has 1 MA's), (Start: 166 @29137 has 18 MA's), (176, 29149), (199, 29182), (206, 29191), (212, 29203), (Start: 232 @29233 has 2 MA's), (245, 29266), (274, 29350), (280, 29362), (313, 29437), (338, 29497), (347, 29527), (440, 29734), (451, 29764), (463, 29806), (464, 29809), (479, 29869), (517, 29917), (537, 29989), (549, 30022), (550, 30025), (566, 30064), (582, 30103), (612, 30190), (613, 30193), (648, 30271), (677, 30331), (689, 30376), (709, 30457), (726, 30511), (761, 30607), (808, 30736), (813, 30751),

Gene: Leozinho_17 Start: 14652, Stop: 16361, Start Num: 129

Candidate Starts for Leozinho_17:

(Start: 129 @14652 has 207 MA's), (205, 14739), (Start: 232 @14784 has 2 MA's), (242, 14808), (279, 14913), (287, 14919), (294, 14937), (309, 14967), (347, 15072), (367, 15132), (376, 15153), (379,

15162), (385, 15180), (387, 15186), (432, 15312), (437, 15327), (439, 15333), (452, 15369), (453, 15372), (457, 15384), (458, 15390), (469, 15438), (474, 15450), (475, 15456), (517, 15516), (520, 15528), (531, 15564), (533, 15576), (565, 15651), (568, 15660), (575, 15678), (578, 15684), (590, 15714), (639, 15819), (643, 15828), (645, 15831), (659, 15867), (680, 15945), (706, 16044), (713, 16065), (723, 16098), (734, 16128), (743, 16158), (746, 16167), (748, 16173), (757, 16188), (758, 16191), (765, 16215), (782, 16245), (790, 16257), (797, 16287), (808, 16329),

Gene: Leperchaun_16 Start: 14796, Stop: 16505, Start Num: 129

Candidate Starts for Leperchaun_16:

(Start: 129 @14796 has 207 MA's), (205, 14883), (Start: 232 @14928 has 2 MA's), (242, 14952), (279, 15057), (287, 15063), (294, 15081), (309, 15111), (347, 15216), (364, 15270), (367, 15276), (376, 15297), (379, 15306), (387, 15330), (432, 15456), (437, 15471), (439, 15477), (452, 15513), (453, 15516), (457, 15528), (458, 15534), (469, 15582), (474, 15594), (475, 15600), (517, 15660), (520, 15672), (531, 15708), (533, 15720), (565, 15795), (568, 15804), (575, 15822), (578, 15828), (590, 15858), (639, 15963), (645, 15975), (659, 16011), (680, 16089), (713, 16209), (723, 16242), (734, 16272), (737, 16284), (743, 16302), (746, 16311), (748, 16317), (757, 16332), (758, 16335), (765, 16359), (790, 16401), (797, 16431), (808, 16473),

Gene: Leston_21 Start: 17625, Stop: 19397, Start Num: 123

Candidate Starts for Leston_21:

(Start: 123 @17625 has 15 MA's), (127, 17631), (Start: 151 @17655 has 2 MA's), (177, 17688), (210, 17736), (237, 17790), (255, 17841), (280, 17904), (317, 18012), (358, 18120), (397, 18234), (398, 18237), (433, 18291), (437, 18303), (439, 18309), (454, 18351), (456, 18357), (467, 18396), (472, 18420), (517, 18522), (534, 18585), (550, 18630), (604, 18765), (635, 18864), (670, 18942), (676, 18966), (678, 18972), (681, 18987), (707, 19083), (709, 19089), (764, 19242), (804, 19347), (805, 19350), (809, 19368),

Gene: Lewan_18 Start: 16989, Stop: 18722, Start Num: 131

Candidate Starts for Lewan_18:

(Start: 131 @16989 has 77 MA's), (188, 17058), (261, 17199), (262, 17202), (285, 17247), (296, 17280), (299, 17289), (312, 17325), (334, 17379), (344, 17406), (347, 17418), (362, 17469), (365, 17475), (378, 17508), (451, 17661), (458, 17685), (460, 17694), (472, 17739), (476, 17754), (517, 17832), (575, 18015), (601, 18087), (614, 18123), (670, 18243), (672, 18249), (675, 18261), (691, 18324), (715, 18411), (723, 18438), (748, 18507), (754, 18522), (757, 18534), (764, 18558), (794, 18636),

Gene: Liefie_18 Start: 16648, Stop: 18402, Start Num: 142

Candidate Starts for Liefie_18:

(Start: 111 @16639 has 26 MA's), (Start: 142 @16648 has 43 MA's), (Start: 148 @16654 has 2 MA's), (155, 16660), (210, 16738), (237, 16792), (255, 16843), (265, 16873), (275, 16897), (313, 16999), (328, 17038), (330, 17044), (338, 17059), (351, 17104), (393, 17224), (418, 17281), (439, 17320), (456, 17368), (463, 17395), (467, 17407), (491, 17488), (517, 17533), (587, 17731), (598, 17761), (604, 17779), (613, 17806), (638, 17890), (653, 17908), (662, 17923), (676, 17971), (679, 17986), (698, 18049), (713, 18106), (725, 18145), (742, 18187), (761, 18238), (800, 18334), (817, 18394),

Gene: LilDestine_18 Start: 16988, Stop: 18721, Start Num: 131

Candidate Starts for LilDestine_18:

(Start: 131 @16988 has 77 MA's), (188, 17057), (261, 17198), (262, 17201), (285, 17246), (296, 17279), (299, 17288), (312, 17324), (334, 17378), (344, 17405), (347, 17417), (362, 17468), (365, 17474), (378, 17507), (451, 17660), (458, 17684), (460, 17693), (472, 17738), (476, 17753), (517, 17831), (553, 17951), (575, 18014), (601, 18086), (614, 18122), (670, 18242), (672, 18248), (675, 18260), (691, 18323), (704, 18374), (715, 18410), (723, 18437), (748, 18506), (754, 18521), (757, 18533), (764, 18557), (794, 18635),

Gene: LilHazelnut_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for LilHazelnut_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574, 18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: LilMoolah_16 Start: 14938, Stop: 16647, Start Num: 129

Candidate Starts for LilMoolah_16:

(Start: 129 @14938 has 207 MA's), (205, 15025), (Start: 232 @15070 has 2 MA's), (242, 15094), (258, 15151), (279, 15199), (287, 15205), (294, 15223), (309, 15253), (347, 15358), (364, 15412), (367, 15418), (371, 15427), (379, 15448), (387, 15472), (396, 15508), (398, 15514), (406, 15547), (407, 15550), (411, 15559), (424, 15574), (425, 15580), (432, 15598), (437, 15613), (439, 15619), (446, 15637), (447, 15640), (452, 15655), (457, 15670), (458, 15676), (469, 15724), (474, 15736), (475, 15742), (517, 15802), (520, 15814), (531, 15850), (533, 15862), (565, 15937), (568, 15946), (575, 15964), (578, 15970), (590, 16000), (639, 16105), (645, 16117), (659, 16153), (680, 16231), (713, 16351), (723, 16384), (734, 16414), (737, 16426), (743, 16444), (745, 16450), (746, 16453), (748, 16459), (757, 16474), (758, 16477), (764, 16498), (765, 16501), (790, 16543), (797, 16573), (808, 16615), (809, 16621),

Gene: LilPharaoh_19 Start: 16697, Stop: 18463, Start Num: 120

Candidate Starts for LilPharaoh_19:

(Start: 120 @16697 has 139 MA's), (Start: 125 @16703 has 46 MA's), (Start: 148 @16727 has 2 MA's), (Start: 232 @16853 has 2 MA's), (237, 16868), (245, 16886), (265, 16949), (315, 17084), (317, 17090), (358, 17198), (360, 17207), (397, 17312), (437, 17381), (439, 17387), (452, 17423), (456, 17435), (472, 17498), (517, 17600), (521, 17618), (533, 17660), (534, 17663), (578, 17768), (604, 17840), (637, 17948), (640, 17954), (666, 17999), (681, 18053), (688, 18074), (707, 18149), (723, 18200), (761, 18299), (766, 18314), (786, 18350), (800, 18395), (809, 18434), (810, 18437), (817, 18455),

Gene: Lilac_26 Start: 19243, Stop: 20922, Start Num: 137

Candidate Starts for Lilac_26:

(Start: 137 @19243 has 79 MA's), (Start: 203 @19327 has 47 MA's), (Start: 244 @19405 has 1 MA's), (274, 19492), (287, 19507), (309, 19555), (321, 19594), (353, 19681), (365, 19714), (379, 19750), (388, 19780), (390, 19786), (409, 19855), (435, 19885), (438, 19897), (439, 19900), (458, 19957), (518, 20089), (519, 20095), (538, 20161), (541, 20167), (549, 20191), (568, 20239), (578, 20263), (582, 20272), (606, 20347), (643, 20398), (650, 20413), (698, 20575), (704, 20602), (713, 20632), (747, 20737), (786, 20815), (797, 20851), (800, 20860), (808, 20893), (813, 20908),

Gene: Lilas_20 Start: 17715, Stop: 19421, Start Num: 147

Candidate Starts for Lilas_20:

(Start: 125 @17691 has 46 MA's), (Start: 147 @17715 has 24 MA's), (186, 17763), (224, 17820), (Start: 244 @17862 has 1 MA's), (313, 18051), (362, 18198), (365, 18204), (382, 18249), (451, 18387), (471, 18462), (586, 18744), (592, 18765), (620, 18840), (657, 18927), (672, 18963), (679, 18996), (681, 19002), (699, 19068), (707, 19098), (757, 19254), (759, 19260), (764, 19278), (806, 19389),

Gene: Lilbeanie_30 Start: 24430, Stop: 26055, Start Num: 164

Candidate Starts for Lilbeanie_30:

(Start: 164 @24430 has 4 MA's), (Start: 168 @24436 has 11 MA's), (194, 24469), (215, 24502), (245, 24559), (315, 24739), (347, 24820), (380, 24913), (382, 24919), (385, 24928), (440, 25027), (444, 25039), (451, 25057), (463, 25099), (479, 25162), (518, 25213), (519, 25219), (566, 25357), (582, 25396), (583, 25399), (602, 25453), (604, 25459), (613, 25486), (622, 25513), (629, 25537), (648, 25564), (681, 25642), (689, 25669), (711, 25756), (720, 25786), (746, 25855), (756, 25882), (786, 25951), (789, 25954), (792, 25972), (804, 26014), (813, 26044),

Gene: Lilbit_51 Start: 27401, Stop: 29113, Start Num: 131

Candidate Starts for Lilbit_51:

(90, 27338), (Start: 131 @27401 has 77 MA's), (196, 27482), (237, 27539), (262, 27620), (266, 27626), (291, 27683), (295, 27695), (299, 27707), (313, 27746), (317, 27761), (346, 27830), (362, 27884), (366, 27893), (443, 28049), (458, 28097), (460, 28106), (463, 28115), (473, 28154), (477, 28169), (517, 28232), (520, 28244), (556, 28361), (557, 28364), (575, 28415), (586, 28442), (587, 28445), (593, 28466), (607, 28508), (665, 28628), (672, 28646), (709, 28790), (723, 28835), (727, 28853), (756, 28937), (759, 28946), (764, 28964), (771, 28985), (794, 29030), (796, 29036), (800, 29048), (803, 29060), (806, 29072), (813, 29096), (815, 29102),

Gene: LilhomieP_27 Start: 22368, Stop: 24104, Start Num: 114

Candidate Starts for LilhomieP_27:

(51, 22146), (Start: 86 @22326 has 4 MA's), (Start: 93 @22341 has 2 MA's), (Start: 114 @22368 has 15 MA's), (132, 22383), (Start: 167 @22422 has 53 MA's), (188, 22452), (191, 22458), (201, 22470), (257, 22575), (261, 22590), (280, 22629), (327, 22752), (331, 22761), (362, 22857), (379, 22899), (380, 22902), (458, 23079), (496, 23190), (517, 23217), (536, 23289), (539, 23298), (540, 23301), (544, 23313), (586, 23433), (587, 23436), (601, 23478), (612, 23508), (614, 23514), (670, 23634), (672, 23640), (785, 23994), (794, 24021), (800, 24039), (802, 24048),

Gene: Lilizi_26 Start: 19451, Stop: 21130, Start Num: 137

Candidate Starts for Lilizi_26:

(Start: 137 @19451 has 79 MA's), (Start: 203 @19535 has 47 MA's), (Start: 244 @19613 has 1 MA's), (274, 19700), (287, 19715), (309, 19763), (321, 19802), (353, 19889), (365, 19922), (379, 19958), (388, 19988), (390, 19994), (409, 20063), (435, 20093), (438, 20105), (439, 20108), (458, 20165), (518, 20297), (519, 20303), (538, 20369), (541, 20375), (549, 20399), (568, 20447), (578, 20471), (582, 20480), (606, 20555), (643, 20606), (650, 20621), (698, 20783), (704, 20810), (713, 20840), (747, 20945), (786, 21023), (797, 21059), (800, 21068), (808, 21101), (813, 21116),

Gene: Lilpickle_23 Start: 18953, Stop: 20632, Start Num: 137

Candidate Starts for Lilpickle_23:

(Start: 137 @18953 has 79 MA's), (Start: 203 @19037 has 47 MA's), (Start: 244 @19115 has 1 MA's), (274, 19202), (287, 19217), (309, 19265), (321, 19304), (353, 19391), (365, 19424), (379, 19460), (388, 19490), (390, 19496), (409, 19565), (435, 19595), (438, 19607), (439, 19610), (458, 19667), (518, 19799), (519, 19805), (538, 19871), (541, 19877), (549, 19901), (568, 19949), (578, 19973), (582, 19982), (606, 20057), (643, 20108), (650, 20123), (698, 20285), (704, 20312), (713, 20342), (747, 20447), (786, 20525), (797, 20561), (800, 20570), (808, 20603), (813, 20618),

Gene: LindNT_23 Start: 17122, Stop: 18888, Start Num: 120

Candidate Starts for LindNT_23:

(Start: 120 @17122 has 139 MA's), (Start: 148 @17152 has 2 MA's), (245, 17311), (255, 17344), (265, 17374), (280, 17407), (287, 17419), (315, 17509), (333, 17551), (354, 17614), (358, 17623), (360, 17632), (376, 17671), (390, 17716), (397, 17737), (398, 17740), (439, 17812), (454, 17854), (456, 17860), (463, 17887), (517, 18025), (521, 18043), (533, 18085), (540, 18103), (551, 18133), (564, 18160), (604, 18265), (666, 18424), (677, 18460), (685, 18490), (688, 18499), (707, 18574), (723, 18625), (800, 18820), (809, 18859), (810, 18862), (817, 18880),

Gene: LittleE_37 Start: 28308, Stop: 30041, Start Num: 131

Candidate Starts for LittleE_37:

(Start: 131 @28308 has 77 MA's), (Start: 203 @28398 has 47 MA's), (205, 28401), (251, 28503), (274, 28569), (295, 28605), (310, 28635), (313, 28650), (345, 28734), (355, 28770), (365, 28797), (380, 28836), (390, 28869), (393, 28878), (407, 28935), (428, 28977), (455, 29052), (458, 29064), (474, 29124), (506, 29178), (518, 29208), (522, 29226), (526, 29235), (534, 29268), (538, 29280), (541, 29286), (554, 29325), (578, 29382), (650, 29532), (656, 29550), (670, 29592), (676, 29616), (677, 29619), (680, 29634), (689, 29664), (698, 29694), (713, 29751), (767, 29901), (810, 30021), (813, 30027),

Gene: LittleLaf_50 Start: 27130, Stop: 28842, Start Num: 131

Candidate Starts for LittleLaf_50:

(90, 27067), (Start: 131 @27130 has 77 MA's), (196, 27211), (237, 27268), (262, 27349), (266, 27355), (291, 27412), (295, 27424), (299, 27436), (313, 27475), (317, 27490), (346, 27559), (362, 27613), (366, 27622), (443, 27778), (458, 27826), (460, 27835), (463, 27844), (473, 27883), (477, 27898), (517, 27961), (520, 27973), (556, 28090), (557, 28093), (575, 28144), (586, 28171), (587, 28174), (593, 28195), (607, 28237), (665, 28357), (672, 28375), (709, 28519), (723, 28564), (727, 28582), (756, 28666), (759, 28675), (764, 28693), (771, 28714), (794, 28759), (796, 28765), (800, 28777), (803, 28789), (806, 28801), (813, 28825), (815, 28831),

Gene: LittleShirley_17 Start: 14625, Stop: 16334, Start Num: 129

Candidate Starts for LittleShirley_17:

(Start: 129 @14625 has 207 MA's), (205, 14712), (219, 14733), (Start: 232 @14757 has 2 MA's), (242, 14781), (248, 14802), (279, 14886), (287, 14892), (294, 14910), (309, 14940), (347, 15045), (367, 15105), (376, 15126), (379, 15135), (387, 15159), (406, 15234), (407, 15237), (411, 15246), (424, 15261), (425, 15267), (432, 15285), (437, 15300), (439, 15306), (447, 15327), (452, 15342), (457, 15357), (458, 15363), (469, 15411), (474, 15423), (475, 15429), (517, 15489), (520, 15501), (531, 15537), (533, 15549), (565, 15624), (568, 15633), (575, 15651), (578, 15657), (590, 15687), (639, 15792), (645, 15804), (659, 15840), (680, 15918), (713, 16038), (723, 16071), (734, 16101), (737, 16113), (743, 16131), (745, 16137), (746, 16140), (748, 16146), (757, 16161), (758, 16164), (764, 16185), (765, 16188), (790, 16230), (797, 16260), (808, 16302), (809, 16308),

Gene: LiyuLake_19 Start: 17373, Stop: 19136, Start Num: 98

Candidate Starts for LiyuLake_19:

(Start: 98 @17373 has 41 MA's), (Start: 120 @17400 has 139 MA's), (174, 17463), (Start: 207 @17511 has 1 MA's), (210, 17517), (239, 17553), (262, 17628), (299, 17715), (344, 17829), (347, 17841), (385, 17952), (455, 18096), (458, 18108), (463, 18126), (468, 18141), (543, 18330), (545, 18336), (563, 18393), (579, 18435), (583, 18444), (587, 18456), (613, 18531), (635, 18600), (638, 18612), (672, 18660), (689, 18726), (709, 18804), (723, 18849), (740, 18894), (744, 18906), (764, 18969), (777, 19005), (785, 19020), (794, 19050), (796, 19056), (800, 19068), (802, 19077), (805, 19089),

Gene: Lizziana_16 Start: 14813, Stop: 16522, Start Num: 129

Candidate Starts for Lizziana_16:

(Start: 129 @14813 has 207 MA's), (205, 14900), (Start: 232 @14945 has 2 MA's), (242, 14969), (279, 15074), (287, 15080), (294, 15098), (309, 15128), (347, 15233), (364, 15287), (367, 15293), (371, 15302), (379, 15323), (387, 15347), (396, 15383), (398, 15389), (406, 15422), (407, 15425), (411, 15434), (424, 15449), (425, 15455), (432, 15473), (437, 15488), (439, 15494), (446, 15512), (447, 15515), (452, 15530), (457, 15545), (458, 15551), (469, 15599), (474, 15611), (475, 15617), (517, 15677), (520, 15689), (531, 15725), (533, 15737), (565, 15812), (568, 15821), (575, 15839), (578, 15845), (590, 15875), (639, 15980), (645, 15992), (659, 16028), (680, 16106), (713, 16226), (723, 16259), (734, 16289), (737, 16301), (743, 16319), (745, 16325), (746, 16328), (748, 16334), (757, 16349), (758, 16352), (764, 16373), (765, 16376), (790, 16418), (797, 16448), (808, 16490), (809, 16496),

Gene: Llama_16 Start: 15041, Stop: 16750, Start Num: 129

Candidate Starts for Llama_16:

(Start: 129 @15041 has 207 MA's), (205, 15128), (219, 15149), (Start: 232 @15173 has 2 MA's), (242, 15197), (248, 15218), (279, 15302), (287, 15308), (294, 15326), (309, 15356), (347, 15461), (364, 15515), (367, 15521), (375, 15539), (376, 15542), (379, 15551), (387, 15575), (406, 15650), (411, 15662), (424, 15677), (425, 15683), (432, 15701), (437, 15716), (439, 15722), (449, 15749), (452, 15758), (457, 15773), (458, 15779), (469, 15827), (474, 15839), (475, 15845), (517, 15905), (520, 15917), (531, 15953), (533, 15965), (541, 15986), (565, 16040), (568, 16049), (575, 16067), (578, 16073), (590, 16103), (639, 16208), (643, 16217), (645, 16220), (659, 16256), (671, 16295), (680, 16334), (713, 16454), (723, 16487), (734, 16517), (743, 16547), (746, 16556), (748, 16562), (757, 16577), (758, 16580), (764, 16601), (765, 16604), (786, 16640), (790, 16646), (797, 16676), (808, 16718),

Gene: Llij_16 Start: 14790, Stop: 16499, Start Num: 129

Candidate Starts for Llij_16:

(Start: 129 @14790 has 207 MA's), (205, 14877), (Start: 232 @14922 has 2 MA's), (242, 14946), (258, 15003), (279, 15051), (287, 15057), (294, 15075), (309, 15105), (328, 15159), (347, 15210), (364, 15264), (367, 15270), (371, 15279), (379, 15300), (387, 15324), (396, 15360), (398, 15366), (406, 15399), (407, 15402), (411, 15411), (424, 15426), (425, 15432), (432, 15450), (437, 15465), (439, 15471), (446, 15489), (447, 15492), (452, 15507), (457, 15522), (458, 15528), (469, 15576), (474, 15588), (475, 15594), (517, 15654), (520, 15666), (531, 15702), (533, 15714), (565, 15789), (568, 15798), (575, 15816), (578, 15822), (590, 15852), (639, 15957), (645, 15969), (659, 16005), (680, 16083), (713, 16203), (723, 16236), (734, 16266), (737, 16278), (743, 16296), (745, 16302), (746, 16305), (748, 16311), (757, 16326), (758, 16329), (764, 16350), (765, 16353), (790, 16395), (797, 16425), (808, 16467), (809, 16473),

Gene: Llorens_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Llorens_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Loadrie_18 Start: 17021, Stop: 18754, Start Num: 131

Candidate Starts for Loadrie_18:

(Start: 131 @17021 has 77 MA's), (188, 17090), (261, 17231), (262, 17234), (285, 17279), (296, 17312), (299, 17321), (312, 17357), (334, 17411), (344, 17438), (347, 17450), (362, 17501), (365, 17507), (378, 17540), (451, 17693), (458, 17717), (460, 17726), (472, 17771), (476, 17786), (517, 17864), (553, 17984), (575, 18047), (601, 18119), (614, 18155), (670, 18275), (672, 18281), (675, 18293), (691, 18356), (715, 18443), (723, 18470), (748, 18539), (754, 18554), (757, 18566), (764, 18590), (794, 18668),

Gene: Lollipop1437_46 Start: 31458, Stop: 33080, Start Num: 178

Candidate Starts for Lollipop1437_46:

(Start: 178 @31458 has 37 MA's), (245, 31575), (338, 31815), (342, 31827), (346, 31842), (369, 31908), (375, 31923), (413, 32034), (438, 32064), (439, 32067), (458, 32124), (477, 32196), (524, 32280), (531, 32301), (567, 32388), (586, 32436), (627, 32562), (628, 32565), (637, 32598), (678, 32655), (713, 32784), (725, 32823), (765, 32928), (793, 32991), (797, 33003), (801, 33015), (803, 33024), (813, 33060),

Gene: Lolly9_19 Start: 17191, Stop: 18954, Start Num: 98

Candidate Starts for Lolly9_19:

(Start: 98 @17191 has 41 MA's), (Start: 120 @17218 has 139 MA's), (174, 17281), (Start: 207 @17329 has 1 MA's), (210, 17335), (239, 17371), (262, 17446), (274, 17470), (278, 17476), (299, 17533), (344, 17647), (347, 17659), (385, 17770), (455, 17914), (458, 17926), (543, 18148), (545, 18154), (563, 18211), (579, 18253), (583, 18262), (587, 18274), (613, 18349), (634, 18415), (637, 18427), (638, 18430), (672, 18478), (689, 18544), (709, 18622), (723, 18667), (740, 18712), (744, 18724), (764, 18787), (777, 18823), (785, 18838), (794, 18868), (796, 18874), (800, 18886), (802, 18895), (805, 18907),

Gene: LonelyBoi_20 Start: 17718, Stop: 19424, Start Num: 147

Candidate Starts for LonelyBoi_20:

(Start: 125 @17694 has 46 MA's), (Start: 147 @17718 has 24 MA's), (224, 17823), (Start: 244 @17865 has 1 MA's), (271, 17940), (313, 18054), (362, 18201), (365, 18207), (382, 18252), (451, 18390), (471, 18465), (586, 18747), (592, 18768), (620, 18843), (657, 18930), (672, 18966), (679, 18999), (681, 19005), (699, 19071), (707, 19101), (759, 19263), (764, 19281), (806, 19392),

Gene: LordFarquaad_17 Start: 14751, Stop: 16460, Start Num: 169

Candidate Starts for LordFarquaad_17:

(77, 14616), (Start: 169 @14751 has 31 MA's), (260, 14940), (261, 14943), (295, 15018), (312, 15072), (340, 15141), (344, 15153), (370, 15231), (372, 15234), (410, 15366), (431, 15420), (445, 15471), (455, 15501), (469, 15561), (474, 15573), (513, 15609), (556, 15726), (570, 15744), (585, 15783), (621, 15879), (671, 15987), (749, 16263), (750, 16266), (764, 16314), (774, 16344),

Gene: Lorde_17 Start: 14628, Stop: 16337, Start Num: 129

Candidate Starts for Lorde_17:

(Start: 129 @14628 has 207 MA's), (205, 14715), (Start: 232 @14760 has 2 MA's), (242, 14784), (258, 14841), (279, 14889), (287, 14895), (294, 14913), (309, 14943), (347, 15048), (364, 15102), (367, 15108), (371, 15117), (376, 15129), (379, 15138), (387, 15162), (396, 15198), (398, 15204), (401, 15216), (406, 15237), (407, 15240), (411, 15249), (424, 15264), (425, 15270), (432, 15288), (437, 15303), (439, 15309), (446, 15327), (447, 15330), (452, 15345), (457, 15360), (458, 15366), (467, 15396), (469, 15414), (474, 15426), (475, 15432), (517, 15492), (520, 15504), (531, 15540), (533, 15552), (541, 15573), (565, 15627), (568, 15636), (578, 15660), (590, 15690), (639, 15795), (645, 15807), (659, 15843), (671, 15882), (680, 15921), (706, 16020), (713, 16041), (723, 16074), (734, 16104), (743, 16134), (746, 16143), (748, 16149), (757, 16164), (758, 16167), (764, 16188), (765, 16191), (790, 16233), (797, 16263), (808, 16305), (809, 16311),

Gene: LouisV14_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for LouisV14_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Lozinak_48 Start: 29612, Stop: 31303, Start Num: 152

Candidate Starts for Lozinak_48:

(Start: 152 @29612 has 16 MA's), (193, 29672), (214, 29705), (Start: 232 @29735 has 2 MA's), (233, 29738), (296, 29897), (299, 29906), (348, 30035), (363, 30083), (458, 30296), (459, 30302), (467, 30326), (524, 30455), (531, 30476), (541, 30509), (605, 30707), (678, 30860), (704, 30959), (707, 30971), (710, 30980), (740, 31064), (798, 31211), (807, 31247),

Gene: Lton_17 Start: 14723, Stop: 16432, Start Num: 169

Candidate Starts for Lton_17:

(77, 14588), (Start: 169 @14723 has 31 MA's), (260, 14912), (261, 14915), (295, 14990), (312, 15044), (340, 15113), (370, 15203), (372, 15206), (410, 15338), (431, 15392), (455, 15473), (469, 15533), (472, 15539), (526, 15620), (556, 15698), (570, 15716), (585, 15755), (613, 15827), (614, 15830), (621, 15851), (701, 16085), (705, 16100), (718, 16142), (749, 16235), (750, 16238), (764, 16286), (774, 16316),

Gene: Lucky10_18 Start: 15185, Stop: 16897, Start Num: 147

Candidate Starts for Lucky10_18:

(Start: 147 @15185 has 24 MA's), (186, 15239), (245, 15341), (271, 15413), (304, 15494), (318, 15545), (331, 15578), (348, 15626), (362, 15674), (366, 15683), (382, 15725), (393, 15761), (433, 15803), (440, 15824), (443, 15830), (450, 15854), (463, 15905), (464, 15908), (471, 15938), (596, 16250), (620, 16316), (628, 16346), (672, 16439), (677, 16460), (679, 16472), (681, 16478), (683, 16484), (685, 16490), (699, 16544), (707, 16574), (727, 16643), (757, 16730), (759, 16736), (766, 16760), (776, 16787),

Gene: Lucky2013_34 Start: 25206, Stop: 26939, Start Num: 131

Candidate Starts for Lucky2013_34:

(Start: 131 @25206 has 77 MA's), (Start: 203 @25296 has 47 MA's), (205, 25299), (251, 25401), (274, 25467), (295, 25503), (310, 25533), (313, 25548), (345, 25632), (355, 25668), (365, 25695), (380, 25734), (390, 25767), (393, 25776), (407, 25833), (428, 25875), (455, 25950), (458, 25962), (474, 26022), (506, 26076), (518, 26106), (522, 26124), (526, 26133), (534, 26166), (538, 26178), (541, 26184), (554, 26223), (578, 26280), (650, 26430), (656, 26448), (670, 26490), (676, 26514), (677, 26517), (680, 26532), (689, 26562), (698, 26592), (713, 26649), (767, 26799), (813, 26925),

Gene: Luke_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Luke_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574, 18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: Lumos_19 Start: 17370, Stop: 19133, Start Num: 98

Candidate Starts for Lumos_19:

(Start: 98 @17370 has 41 MA's), (Start: 120 @17397 has 139 MA's), (174, 17460), (Start: 207 @17508 has 1 MA's), (210, 17514), (239, 17550), (262, 17625), (274, 17649), (278, 17655), (299, 17712), (344, 17826), (347, 17838), (385, 17949), (455, 18093), (458, 18105), (468, 18138), (543, 18327), (545, 18333), (563, 18390), (579, 18432), (583, 18441), (587, 18453), (613, 18528), (635, 18597), (638, 18609), (672, 18657), (689, 18723), (709, 18801), (723, 18846), (744, 18903), (764, 18966), (777, 19002), (785, 19017), (794, 19047), (796, 19053), (800, 19065), (802, 19074), (805, 19086),

Gene: Luna22_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Luna22_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574,

18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: LunaStella_18 Start: 15370, Stop: 17073, Start Num: 137

Candidate Starts for LunaStella_18:

(Start: 114 @15346 has 15 MA's), (Start: 120 @15352 has 139 MA's), (Start: 125 @15358 has 46 MA's), (Start: 137 @15370 has 79 MA's), (143, 15376), (Start: 232 @15496 has 2 MA's), (242, 15520), (249, 15544), (279, 15625), (287, 15631), (294, 15649), (309, 15679), (371, 15853), (379, 15874), (380, 15877), (391, 15913), (401, 15952), (425, 16006), (432, 16024), (433, 16027), (437, 16039), (439, 16045), (452, 16081), (458, 16102), (463, 16120), (469, 16150), (474, 16162), (475, 16168), (517, 16228), (531, 16276), (546, 16321), (565, 16363), (568, 16372), (578, 16396), (590, 16426), (602, 16471), (639, 16531), (643, 16540), (645, 16543), (659, 16579), (681, 16660), (717, 16789), (723, 16810), (734, 16840), (743, 16870), (746, 16879), (748, 16885), (757, 16900), (758, 16903), (813, 17056),

Gene: Lunahalos_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Lunahalos_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Lysidious_20 Start: 17174, Stop: 18820, Start Num: 171

Candidate Starts for Lysidious_20:

(143, 17138), (Start: 171 @17174 has 46 MA's), (237, 17276), (262, 17354), (265, 17357), (309, 17453), (319, 17492), (348, 17552), (354, 17573), (375, 17627), (380, 17642), (458, 17813), (467, 17843), (541, 18026), (549, 18050), (571, 18101), (605, 18194), (612, 18206), (626, 18251), (631, 18266), (677, 18398), (678, 18401), (704, 18500), (709, 18518), (725, 18569), (750, 18635), (772, 18698), (782, 18710),

Gene: MAckerman_18 Start: 16746, Stop: 18515, Start Num: 98

Candidate Starts for MAckerman_18:

(Start: 70 @16683 has 1 MA's), (80, 16704), (85, 16719), (Start: 98 @16746 has 41 MA's), (174, 16839), (Start: 207 @16887 has 1 MA's), (210, 16893), (236, 16920), (237, 16923), (239, 16929), (261, 17001), (266, 17010), (278, 17034), (285, 17049), (295, 17079), (344, 17205), (346, 17214), (352, 17235), (357, 17250), (382, 17319), (393, 17355), (404, 17376), (447, 17445), (458, 17484), (517, 17622), (520, 17634), (543, 17709), (545, 17715), (550, 17733), (563, 17772), (575, 17805), (579, 17814), (583, 17823), (586, 17832), (587, 17835), (628, 17955), (638, 17991), (672, 18039), (675, 18051), (689, 18105), (715, 18201), (720, 18219), (722, 18225), (723, 18228), (736, 18261), (744, 18285), (764, 18348), (779, 18390), (794, 18429), (800, 18447), (805, 18468), (810, 18489),

Gene: MAnor_18 Start: 15425, Stop: 17119, Start Num: 154

Candidate Starts for MAnor_18:

(Start: 150 @15422 has 7 MA's), (Start: 154 @15425 has 33 MA's), (226, 15524), (Start: 232 @15536 has 2 MA's), (Start: 244 @15566 has 1 MA's), (251, 15587), (297, 15704), (334, 15806), (362, 15893), (375, 15923), (384, 15950), (398, 15995), (408, 16013), (432, 16028), (437, 16043), (454, 16100), (463, 16133), (467, 16145), (474, 16175), (500, 16232), (516, 16250), (525, 16280), (535, 16310), (555, 16373), (573, 16424), (587, 16460), (591, 16475), (599, 16493), (620, 16550), (677, 16679), (679, 16691), (706, 16790), (707, 16793), (713, 16811), (739, 16889), (748, 16916), (759, 16958), (810, 17105), (813, 17111),

Gene: MISSy_23 Start: 19258, Stop: 20937, Start Num: 137

Candidate Starts for MISSy_23:

(Start: 137 @19258 has 79 MA's), (Start: 203 @19342 has 47 MA's), (Start: 244 @19420 has 1 MA's),
(274, 19507), (287, 19522), (309, 19570), (321, 19609), (353, 19696), (365, 19729), (379, 19765),
(388, 19795), (390, 19801), (409, 19870), (435, 19900), (438, 19912), (439, 19915), (458, 19972),
(518, 20104), (519, 20110), (538, 20176), (541, 20182), (549, 20206), (568, 20254), (578, 20278),
(582, 20287), (606, 20362), (643, 20413), (650, 20428), (698, 20590), (704, 20617), (713, 20647),
(747, 20752), (786, 20830), (797, 20866), (800, 20875), (808, 20908), (813, 20923),

Gene: MPhalcon_23 Start: 19252, Stop: 20931, Start Num: 137

Candidate Starts for MPhalcon_23:

(Start: 137 @19252 has 79 MA's), (Start: 203 @19336 has 47 MA's), (Start: 244 @19414 has 1 MA's),
(274, 19501), (287, 19516), (309, 19564), (321, 19603), (353, 19690), (365, 19723), (379, 19759),
(388, 19789), (390, 19795), (409, 19864), (435, 19894), (438, 19906), (439, 19909), (458, 19966),
(518, 20098), (519, 20104), (538, 20170), (541, 20176), (549, 20200), (568, 20248), (578, 20272),
(582, 20281), (606, 20356), (643, 20407), (650, 20422), (698, 20584), (704, 20611), (713, 20641),
(747, 20746), (786, 20824), (797, 20860), (800, 20869), (808, 20902), (813, 20917),

Gene: MScarn_20 Start: 15365, Stop: 17062, Start Num: 154

Candidate Starts for MScarn_20:

(Start: 125 @15335 has 46 MA's), (Start: 150 @15362 has 7 MA's), (Start: 154 @15365 has 33 MA's),
(265, 15575), (331, 15743), (334, 15749), (353, 15809), (372, 15857), (375, 15866), (384, 15893),
(393, 15923), (398, 15938), (432, 15971), (436, 15983), (448, 16019), (463, 16076), (467, 16088),
(520, 16208), (527, 16229), (535, 16253), (587, 16403), (591, 16418), (599, 16436), (620, 16493),
(677, 16622), (679, 16634), (685, 16652), (688, 16661), (706, 16733), (707, 16736), (709, 16742),
(713, 16754), (748, 16859), (751, 16868), (759, 16901),

Gene: MacGully_50 Start: 31627, Stop: 33198, Start Num: 187

Candidate Starts for MacGully_50:

(Start: 187 @31627 has 8 MA's), (193, 31636), (230, 31690), (234, 31702), (245, 31717), (313, 31900),
(324, 31933), (342, 31969), (347, 31987), (359, 32026), (369, 32050), (375, 32065), (405, 32149),
(435, 32182), (439, 32197), (458, 32254), (460, 32263), (471, 32305), (473, 32311), (477, 32326),
(495, 32356), (531, 32431), (549, 32476), (592, 32584), (627, 32689), (629, 32695), (638, 32728),
(735, 32971), (761, 33043), (766, 33058), (801, 33142), (805, 33160), (811, 33184),

Gene: MacKat_24 Start: 17165, Stop: 18931, Start Num: 120

Candidate Starts for MacKat_24:

(Start: 120 @17165 has 139 MA's), (Start: 148 @17195 has 2 MA's), (245, 17354), (255, 17387), (265,
17417), (280, 17450), (287, 17462), (315, 17552), (333, 17594), (358, 17666), (360, 17675), (376,
17714), (390, 17759), (391, 17762), (397, 17780), (398, 17783), (433, 17837), (439, 17855), (454,
17897), (456, 17903), (463, 17930), (517, 18068), (521, 18086), (533, 18128), (540, 18146), (551,
18176), (564, 18203), (604, 18308), (666, 18467), (677, 18503), (685, 18533), (688, 18542), (707,
18617), (723, 18668), (800, 18863), (809, 18902), (810, 18905), (817, 18923),

Gene: MacnCheese_23 Start: 17821, Stop: 19584, Start Num: 120

Candidate Starts for MacnCheese_23:

(Start: 111 @17812 has 26 MA's), (Start: 120 @17821 has 139 MA's), (208, 17923), (237, 17980),
(255, 18031), (265, 18061), (275, 18085), (295, 18130), (360, 18325), (366, 18340), (390, 18409),
(393, 18418), (397, 18430), (398, 18433), (439, 18505), (454, 18547), (456, 18553), (467, 18592),
(475, 18628), (534, 18781), (569, 18868), (604, 18961), (628, 19036), (637, 19069), (660, 19099),
(666, 19117), (679, 19165), (687, 19189), (695, 19216), (709, 19273), (723, 19318), (756, 19402),
(761, 19420), (797, 19507), (800, 19516), (805, 19537), (809, 19555), (811, 19561), (817, 19576),

Gene: Maco6_19 Start: 15263, Stop: 17113, Start Num: 82

Candidate Starts for Maco6_19:

(67, 15227), (Start: 82 @15263 has 4 MA's), (Start: 145 @15341 has 2 MA's), (190, 15401), (Start: 232 @15467 has 2 MA's), (251, 15518), (255, 15533), (256, 15536), (369, 15842), (388, 15899), (391, 15908), (407, 15947), (409, 15950), (432, 16013), (439, 16034), (459, 16097), (462, 16106), (467, 16121), (472, 16145), (519, 16256), (531, 16295), (536, 16316), (549, 16352), (550, 16355), (569, 16397), (575, 16412), (578, 16418), (689, 16727), (691, 16736), (693, 16742), (697, 16754), (704, 16784), (709, 16802), (711, 16808), (756, 16928), (774, 16985), (807, 17072), (809, 17081),

Gene: MadKillah_57 Start: 33254, Stop: 34990, Start Num: 109

Candidate Starts for MadKillah_57:

(Start: 104 @33245 has 2 MA's), (Start: 109 @33254 has 26 MA's), (Start: 184 @33344 has 1 MA's), (248, 33461), (258, 33497), (266, 33518), (279, 33545), (287, 33551), (298, 33581), (311, 33605), (329, 33656), (379, 33794), (381, 33800), (395, 33851), (396, 33854), (401, 33872), (432, 33923), (439, 33944), (440, 33947), (457, 33995), (458, 34001), (469, 34049), (472, 34055), (474, 34061), (507, 34121), (517, 34145), (518, 34148), (531, 34193), (534, 34208), (537, 34217), (541, 34226), (557, 34271), (568, 34289), (582, 34322), (645, 34460), (654, 34481), (674, 34547), (681, 34577), (696, 34631), (706, 34673), (713, 34694), (719, 34715), (723, 34727), (730, 34748), (748, 34802), (786, 34880), (797, 34916), (803, 34937), (809, 34964),

Gene: MadamMonkfish_24 Start: 19164, Stop: 20843, Start Num: 137

Candidate Starts for MadamMonkfish_24:

(Start: 137 @19164 has 79 MA's), (Start: 203 @19248 has 47 MA's), (Start: 244 @19326 has 1 MA's), (274, 19413), (287, 19428), (309, 19476), (321, 19515), (353, 19602), (365, 19635), (379, 19671), (388, 19701), (390, 19707), (409, 19776), (435, 19806), (438, 19818), (439, 19821), (458, 19878), (518, 20010), (519, 20016), (538, 20082), (541, 20088), (549, 20112), (568, 20160), (578, 20184), (582, 20193), (606, 20268), (643, 20319), (650, 20334), (698, 20496), (704, 20523), (713, 20553), (747, 20658), (786, 20736), (797, 20772), (800, 20781), (808, 20814), (813, 20829),

Gene: Madeline_19 Start: 18062, Stop: 19660, Start Num: 167

Candidate Starts for Madeline_19:

(Start: 167 @18062 has 53 MA's), (299, 18311), (302, 18320), (309, 18338), (310, 18341), (327, 18395), (354, 18470), (380, 18539), (381, 18548), (385, 18560), (388, 18572), (400, 18611), (406, 18638), (410, 18647), (411, 18650), (455, 18680), (456, 18683), (469, 18740), (513, 18806), (542, 18884), (553, 18917), (570, 18941), (584, 18977), (621, 19079), (637, 19136), (668, 19181), (671, 19187), (680, 19226), (750, 19466), (774, 19544),

Gene: Madiba_17 Start: 14680, Stop: 16389, Start Num: 129

Candidate Starts for Madiba_17:

(Start: 129 @14680 has 207 MA's), (205, 14767), (Start: 232 @14812 has 2 MA's), (242, 14836), (279, 14941), (287, 14947), (294, 14965), (309, 14995), (347, 15100), (367, 15160), (376, 15181), (379, 15190), (387, 15214), (406, 15289), (411, 15301), (424, 15316), (425, 15322), (432, 15340), (437, 15355), (439, 15361), (447, 15382), (452, 15397), (453, 15400), (457, 15412), (458, 15418), (460, 15427), (469, 15466), (474, 15478), (475, 15484), (517, 15544), (520, 15556), (531, 15592), (533, 15604), (565, 15679), (568, 15688), (578, 15712), (590, 15742), (639, 15847), (645, 15859), (659, 15895), (670, 15931), (671, 15934), (680, 15973), (713, 16093), (723, 16126), (734, 16156), (743, 16186), (746, 16195), (748, 16201), (757, 16216), (758, 16219), (764, 16240), (765, 16243), (790, 16285), (797, 16315), (808, 16357),

Gene: Magsby_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Magsby_18:

(Start: 134 @14986 has 43 MA's), (161, 15013), (Start: 232 @15118 has 2 MA's), (236, 15130), (249, 15166), (265, 15217), (279, 15247), (287, 15253), (297, 15280), (299, 15286), (347, 15406), (364, 15460), (367, 15466), (375, 15484), (379, 15496), (380, 15499), (387, 15520), (398, 15562), (406, 15595), (432, 15646), (437, 15661), (452, 15703), (457, 15718), (458, 15724), (469, 15772), (477, 15796), (493, 15826), (517, 15850), (533, 15910), (537, 15922), (557, 15976), (565, 15985), (589, 16045), (590, 16048), (639, 16153), (643, 16162), (659, 16201), (697, 16339), (742, 16489), (743, 16492), (746, 16501), (757, 16522), (765, 16549), (786, 16585), (813, 16678),

Gene: Mahavrat_16 Start: 14801, Stop: 16510, Start Num: 129

Candidate Starts for Mahavrat_16:

(Start: 129 @14801 has 207 MA's), (205, 14888), (Start: 232 @14933 has 2 MA's), (242, 14957), (279, 15062), (287, 15068), (294, 15086), (309, 15116), (347, 15221), (364, 15275), (367, 15281), (376, 15302), (379, 15311), (387, 15335), (398, 15377), (406, 15410), (411, 15422), (424, 15437), (425, 15443), (432, 15461), (437, 15476), (439, 15482), (447, 15503), (452, 15518), (457, 15533), (458, 15539), (469, 15587), (474, 15599), (475, 15605), (517, 15665), (531, 15713), (533, 15725), (541, 15746), (565, 15800), (568, 15809), (578, 15833), (590, 15863), (639, 15968), (645, 15980), (659, 16016), (680, 16094), (734, 16277), (743, 16307), (746, 16316), (748, 16322), (757, 16337), (758, 16340), (764, 16361), (790, 16406), (808, 16478), (809, 16484),

Gene: Mahdia_18 Start: 14818, Stop: 16428, Start Num: 160

Candidate Starts for Mahdia_18:

(Start: 160 @14818 has 11 MA's), (Start: 168 @14827 has 11 MA's), (191, 14860), (228, 14911), (230, 14914), (299, 15091), (318, 15142), (363, 15265), (422, 15382), (440, 15421), (455, 15463), (474, 15535), (483, 15568), (496, 15580), (517, 15607), (520, 15619), (531, 15655), (532, 15658), (537, 15679), (553, 15724), (582, 15793), (583, 15796), (602, 15838), (605, 15856), (612, 15868), (670, 15982), (674, 15997), (676, 16006), (685, 16039), (689, 16054), (757, 16258), (761, 16273), (786, 16324), (801, 16372),

Gene: Majeke_19 Start: 16391, Stop: 18127, Start Num: 125

Candidate Starts for Majeke_19:

(Start: 125 @16391 has 46 MA's), (189, 16472), (190, 16475), (226, 16526), (251, 16589), (253, 16595), (265, 16634), (280, 16667), (295, 16691), (342, 16811), (346, 16826), (353, 16850), (355, 16856), (385, 16940), (396, 16982), (406, 17021), (409, 17027), (429, 17066), (432, 17072), (440, 17096), (458, 17150), (464, 17171), (479, 17231), (522, 17309), (533, 17348), (545, 17381), (568, 17447), (578, 17471), (587, 17495), (597, 17525), (602, 17537), (656, 17639), (662, 17651), (663, 17654), (664, 17660), (665, 17669), (696, 17777), (719, 17861), (752, 17960), (782, 18017), (800, 18068), (813, 18116),

Gene: MakCheese_20 Start: 16078, Stop: 17757, Start Num: 190

Candidate Starts for MakCheese_20:

(Start: 131 @16009 has 77 MA's), (Start: 154 @16027 has 33 MA's), (Start: 172 @16051 has 16 MA's), (Start: 180 @16063 has 1 MA's), (190, 16078), (228, 16135), (262, 16237), (276, 16267), (288, 16291), (296, 16312), (358, 16498), (413, 16639), (437, 16669), (440, 16678), (443, 16684), (551, 16993), (600, 17122), (602, 17125), (613, 17158), (676, 17326), (678, 17332), (704, 17431), (725, 17500), (761, 17593), (817, 17749),

Gene: Malachai_20 Start: 17128, Stop: 18774, Start Num: 171

Candidate Starts for Malachai_20:

(143, 17092), (Start: 171 @17128 has 46 MA's), (237, 17230), (262, 17308), (309, 17407), (319, 17446), (354, 17527), (375, 17581), (380, 17596), (458, 17767), (467, 17797), (541, 17980), (549, 18004), (571, 18055), (605, 18148), (612, 18160), (626, 18205), (631, 18220), (677, 18352), (678, 18355), (704, 18454), (709, 18472), (725, 18523), (750, 18589), (772, 18652), (782, 18664),

Gene: MalagasyRose_24 Start: 16589, Stop: 18388, Start Num: 84

Candidate Starts for MalagasyRose_24:

(Start: 84 @16589 has 2 MA's), (116, 16640), (121, 16646), (124, 16649), (211, 16739), (216, 16748), (230, 16769), (237, 16790), (284, 16904), (299, 16943), (305, 16958), (306, 16961), (326, 17030), (352, 17102), (362, 17132), (366, 17141), (378, 17171), (380, 17177), (382, 17183), (390, 17210), (398, 17234), (433, 17282), (443, 17309), (465, 17381), (496, 17474), (503, 17486), (516, 17519), (517, 17522), (533, 17582), (550, 17630), (551, 17633), (586, 17714), (613, 17792), (622, 17819), (624, 17828), (679, 17969), (685, 17987), (723, 18122), (725, 18128), (747, 18185), (761, 18221), (797, 18308), (809, 18356), (817, 18377),

Gene: Malibo_20 Start: 16515, Stop: 18137, Start Num: 162

Candidate Starts for Malibo_20:

(Start: 152 @16500 has 16 MA's), (Start: 162 @16515 has 1 MA's), (194, 16560), (230, 16611), (274, 16734), (275, 16737), (326, 16857), (347, 16911), (350, 16923), (360, 16953), (363, 16962), (373, 16983), (384, 17016), (392, 17043), (439, 17112), (446, 17130), (455, 17157), (459, 17175), (460, 17178), (464, 17190), (474, 17229), (477, 17241), (514, 17292), (517, 17298), (540, 17376), (602, 17529), (612, 17559), (613, 17562), (622, 17589), (638, 17625), (667, 17667), (685, 17730), (689, 17745), (698, 17775), (706, 17811), (709, 17820), (743, 17919), (761, 17967), (800, 18063), (807, 18093), (813, 18111),

Gene: Maliketh_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Maliketh_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Malithi_19 Start: 16310, Stop: 18046, Start Num: 125

Candidate Starts for Malithi_19:

(Start: 106 @16286 has 2 MA's), (Start: 125 @16310 has 46 MA's), (175, 16370), (189, 16391), (190, 16394), (253, 16514), (265, 16553), (280, 16586), (295, 16610), (342, 16730), (353, 16769), (355, 16775), (385, 16859), (387, 16865), (390, 16877), (396, 16901), (403, 16928), (409, 16946), (429, 16985), (432, 16991), (440, 17015), (458, 17069), (461, 17081), (464, 17090), (479, 17150), (522, 17228), (533, 17267), (545, 17300), (568, 17366), (574, 17381), (578, 17390), (587, 17414), (597, 17444), (602, 17456), (656, 17558), (662, 17570), (663, 17573), (664, 17579), (665, 17588), (696, 17696), (719, 17780), (752, 17879), (800, 17987), (813, 18035),

Gene: Malthus_25 Start: 18546, Stop: 20333, Start Num: 120

Candidate Starts for Malthus_25:

(Start: 95 @18507 has 1 MA's), (Start: 111 @18537 has 26 MA's), (Start: 117 @18543 has 41 MA's), (Start: 120 @18546 has 139 MA's), (Start: 145 @18561 has 2 MA's), (177, 18603), (210, 18651), (Start: 232 @18690 has 2 MA's), (237, 18705), (245, 18723), (255, 18756), (265, 18786), (287, 18831), (295, 18849), (315, 18921), (317, 18927), (330, 18957), (332, 18960), (353, 19023), (358, 19035), (407, 19170), (416, 19188), (437, 19218), (439, 19224), (446, 19242), (456, 19272), (467, 19311), (517, 19437), (534, 19500), (604, 19701), (622, 19755), (635, 19800), (655, 19845), (666, 19869), (676, 19902), (685, 19935), (704, 20007), (707, 20019), (723, 20070), (725, 20076), (764, 20178), (809, 20304), (817, 20325),

Gene: Manasvini_19 Start: 17773, Stop: 19371, Start Num: 167

Candidate Starts for Manasvini_19:

(Start: 167 @17773 has 53 MA's), (299, 18022), (302, 18031), (309, 18049), (310, 18052), (327, 18106), (354, 18181), (380, 18250), (381, 18259), (385, 18271), (400, 18322), (406, 18349), (410, 18358), (411, 18361), (455, 18391), (456, 18394), (469, 18451), (513, 18517), (542, 18595), (553, 18628), (570, 18652), (584, 18688), (621, 18790), (637, 18847), (668, 18892), (671, 18898), (680, 18937), (750, 19177), (774, 19255),

Gene: Manda_25 Start: 20231, Stop: 21910, Start Num: 137

Candidate Starts for Manda_25:

(Start: 137 @20231 has 79 MA's), (Start: 203 @20315 has 47 MA's), (Start: 244 @20393 has 1 MA's), (274, 20480), (287, 20495), (309, 20543), (321, 20582), (353, 20669), (365, 20702), (379, 20738), (388, 20768), (390, 20774), (409, 20843), (435, 20873), (438, 20885), (439, 20888), (458, 20945), (518, 21077), (519, 21083), (538, 21149), (541, 21155), (549, 21179), (568, 21227), (578, 21251), (582, 21260), (606, 21335), (643, 21386), (650, 21401), (698, 21563), (704, 21590), (713, 21620), (747, 21725), (786, 21803), (797, 21839), (800, 21848), (808, 21881), (813, 21896),

Gene: Mandlovu_16 Start: 14904, Stop: 16613, Start Num: 129

Candidate Starts for Mandlovu_16:

(Start: 129 @14904 has 207 MA's), (205, 14991), (Start: 232 @15036 has 2 MA's), (242, 15060), (279, 15165), (287, 15171), (294, 15189), (309, 15219), (347, 15324), (367, 15384), (376, 15405), (379, 15414), (387, 15438), (432, 15564), (437, 15579), (439, 15585), (452, 15621), (453, 15624), (457, 15636), (458, 15642), (469, 15690), (474, 15702), (475, 15708), (517, 15768), (520, 15780), (531, 15816), (533, 15828), (565, 15903), (568, 15912), (575, 15930), (578, 15936), (590, 15966), (639, 16071), (643, 16080), (645, 16083), (659, 16119), (680, 16197), (706, 16296), (713, 16317), (723, 16350), (734, 16380), (743, 16410), (746, 16419), (748, 16425), (757, 16440), (758, 16443), (765, 16467), (782, 16497), (790, 16509), (797, 16539), (808, 16581),

Gene: Mangethe_19 Start: 16391, Stop: 18127, Start Num: 125

Candidate Starts for Mangethe_19:

(Start: 125 @16391 has 46 MA's), (189, 16472), (190, 16475), (226, 16526), (251, 16589), (253, 16595), (265, 16634), (280, 16667), (295, 16691), (342, 16811), (346, 16826), (353, 16850), (355, 16856), (385, 16940), (396, 16982), (406, 17021), (409, 17027), (429, 17066), (432, 17072), (440, 17096), (458, 17150), (464, 17171), (479, 17231), (522, 17309), (533, 17348), (545, 17381), (568, 17447), (578, 17471), (587, 17495), (597, 17525), (602, 17537), (656, 17639), (662, 17651), (663, 17654), (664, 17660), (665, 17669), (696, 17777), (719, 17861), (752, 17960), (782, 18017), (800, 18068), (813, 18116),

Gene: Mantra_16 Start: 14903, Stop: 16612, Start Num: 129

Candidate Starts for Mantra_16:

(Start: 129 @14903 has 207 MA's), (205, 14990), (Start: 232 @15035 has 2 MA's), (242, 15059), (258, 15116), (279, 15164), (287, 15170), (294, 15188), (309, 15218), (347, 15323), (364, 15377), (367, 15383), (371, 15392), (379, 15413), (387, 15437), (396, 15473), (398, 15479), (406, 15512), (407, 15515), (411, 15524), (424, 15539), (425, 15545), (432, 15563), (437, 15578), (439, 15584), (446, 15602), (447, 15605), (452, 15620), (457, 15635), (458, 15641), (469, 15689), (474, 15701), (475, 15707), (517, 15767), (520, 15779), (531, 15815), (533, 15827), (565, 15902), (568, 15911), (575, 15929), (578, 15935), (590, 15965), (639, 16070), (645, 16082), (659, 16118), (680, 16196), (713, 16316), (723, 16349), (734, 16379), (737, 16391), (743, 16409), (745, 16415), (746, 16418), (748, 16424), (757, 16439), (758, 16442), (764, 16463), (765, 16466), (790, 16508), (797, 16538), (808, 16580), (809, 16586),

Gene: Maravista_16 Start: 14752, Stop: 16461, Start Num: 129

Candidate Starts for Maravista_16:

(Start: 129 @14752 has 207 MA's), (205, 14839), (Start: 232 @14884 has 2 MA's), (242, 14908), (279, 15013), (287, 15019), (294, 15037), (309, 15067), (347, 15172), (367, 15232), (376, 15253), (379,

15262), (385, 15280), (387, 15286), (432, 15412), (437, 15427), (439, 15433), (452, 15469), (453, 15472), (457, 15484), (458, 15490), (469, 15538), (474, 15550), (475, 15556), (517, 15616), (520, 15628), (531, 15664), (533, 15676), (565, 15751), (568, 15760), (575, 15778), (578, 15784), (590, 15814), (639, 15919), (643, 15928), (645, 15931), (659, 15967), (680, 16045), (706, 16144), (713, 16165), (723, 16198), (734, 16228), (743, 16258), (746, 16267), (748, 16273), (757, 16288), (758, 16291), (765, 16315), (782, 16345), (790, 16357), (797, 16387), (808, 16429),

Gene: Marcoliusprime_19 Start: 15013, Stop: 16782, Start Num: 117

Candidate Starts for Marcoliusprime_19:

(Start: 95 @14977 has 1 MA's), (Start: 111 @15007 has 26 MA's), (Start: 117 @15013 has 41 MA's), (Start: 142 @15028 has 43 MA's), (177, 15070), (210, 15118), (Start: 232 @15157 has 2 MA's), (237, 15172), (255, 15223), (265, 15253), (280, 15286), (287, 15298), (295, 15316), (315, 15388), (317, 15394), (353, 15490), (358, 15502), (393, 15604), (398, 15619), (416, 15655), (439, 15691), (456, 15739), (467, 15778), (472, 15802), (475, 15814), (517, 15904), (519, 15913), (604, 16159), (622, 16213), (637, 16267), (685, 16381), (688, 16390), (707, 16465), (723, 16516), (725, 16522), (757, 16603), (761, 16618), (789, 16672), (809, 16753), (817, 16774),

Gene: Mareelih_99 Start: 59450, Stop: 61078, Start Num: 158

Candidate Starts for Mareelih_99:

(Start: 158 @59450 has 4 MA's), (Start: 171 @59465 has 46 MA's), (176, 59468), (194, 59495), (Start: 232 @59552 has 2 MA's), (246, 59588), (256, 59621), (266, 59651), (268, 59654), (300, 59723), (307, 59729), (362, 59894), (379, 59936), (382, 59945), (385, 59954), (388, 59966), (451, 60086), (517, 60239), (533, 60299), (589, 60446), (597, 60467), (602, 60482), (627, 60560), (629, 60566), (685, 60683), (689, 60698), (704, 60755), (713, 60785), (723, 60818), (766, 60938), (813, 61067),

Gene: Maridalia_18 Start: 17773, Stop: 19371, Start Num: 167

Candidate Starts for Maridalia_18:

(Start: 167 @17773 has 53 MA's), (299, 18022), (302, 18031), (309, 18049), (310, 18052), (327, 18106), (354, 18181), (380, 18250), (381, 18259), (385, 18271), (400, 18322), (406, 18349), (410, 18358), (411, 18361), (455, 18391), (456, 18394), (469, 18451), (513, 18517), (542, 18595), (553, 18628), (570, 18652), (584, 18688), (621, 18790), (637, 18847), (668, 18892), (671, 18898), (680, 18937), (750, 19177), (774, 19255),

Gene: Marietta_43 Start: 27926, Stop: 29506, Start Num: 207

Candidate Starts for Marietta_43:

(Start: 178 @27890 has 37 MA's), (Start: 187 @27902 has 8 MA's), (Start: 207 @27926 has 1 MA's), (245, 28004), (313, 28187), (338, 28244), (342, 28256), (346, 28271), (369, 28337), (375, 28352), (383, 28376), (413, 28463), (428, 28469), (438, 28493), (458, 28553), (467, 28583), (471, 28604), (524, 28709), (531, 28730), (567, 28817), (586, 28865), (627, 28991), (637, 29027), (706, 29192), (712, 29210), (723, 29246), (793, 29420), (797, 29432), (813, 29489),

Gene: MarkPhew_23 Start: 16287, Stop: 18053, Start Num: 120

Candidate Starts for MarkPhew_23:

(Start: 95 @16248 has 1 MA's), (Start: 111 @16278 has 26 MA's), (Start: 120 @16287 has 139 MA's), (Start: 148 @16317 has 2 MA's), (237, 16458), (255, 16509), (280, 16572), (315, 16674), (317, 16680), (330, 16710), (360, 16797), (376, 16836), (391, 16884), (397, 16902), (416, 16941), (417, 16944), (433, 16959), (437, 16971), (439, 16977), (446, 16995), (454, 17019), (456, 17025), (463, 17052), (517, 17190), (521, 17208), (583, 17370), (587, 17382), (604, 17430), (628, 17505), (637, 17538), (640, 17544), (666, 17589), (676, 17622), (678, 17628), (685, 17655), (707, 17739), (723, 17790), (761, 17889), (800, 17985), (817, 18045),

Gene: Marker_17 Start: 14655, Stop: 16364, Start Num: 129

Candidate Starts for Marker_17:

(Start: 129 @14655 has 207 MA's), (205, 14742), (Start: 232 @14787 has 2 MA's), (242, 14811), (279, 14916), (287, 14922), (294, 14940), (309, 14970), (347, 15075), (367, 15135), (376, 15156), (379, 15165), (387, 15189), (406, 15264), (432, 15315), (437, 15330), (439, 15336), (452, 15372), (453, 15375), (457, 15387), (458, 15393), (469, 15441), (474, 15453), (475, 15459), (517, 15519), (520, 15531), (531, 15567), (533, 15579), (565, 15654), (568, 15663), (575, 15681), (578, 15687), (590, 15717), (639, 15822), (645, 15834), (659, 15870), (680, 15948), (706, 16047), (713, 16068), (723, 16101), (734, 16131), (743, 16161), (746, 16170), (748, 16176), (757, 16191), (758, 16194), (765, 16218), (790, 16260), (808, 16332),

Gene: Marleymoo_41 Start: 30187, Stop: 31920, Start Num: 131

Candidate Starts for Marleymoo_41:

(Start: 131 @30187 has 77 MA's), (Start: 203 @30277 has 47 MA's), (229, 30325), (295, 30484), (310, 30514), (345, 30613), (355, 30649), (357, 30655), (365, 30676), (390, 30748), (393, 30757), (398, 30778), (425, 30847), (439, 30886), (440, 30889), (446, 30904), (458, 30943), (469, 30991), (474, 31003), (475, 31009), (511, 31066), (518, 31087), (522, 31105), (536, 31153), (575, 31255), (602, 31327), (650, 31411), (655, 31423), (656, 31429), (662, 31441), (663, 31444), (673, 31483), (678, 31501), (688, 31537), (689, 31543), (713, 31630), (742, 31720), (761, 31762), (767, 31780), (783, 31810), (798, 31852), (813, 31906),

Gene: Marmie_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Marmie_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Marshawn_24 Start: 16905, Stop: 18671, Start Num: 120

Candidate Starts for Marshawn_24:

(Start: 95 @16866 has 1 MA's), (Start: 111 @16896 has 26 MA's), (Start: 120 @16905 has 139 MA's), (Start: 125 @16911 has 46 MA's), (Start: 148 @16935 has 2 MA's), (Start: 232 @17061 has 2 MA's), (237, 17076), (245, 17094), (265, 17157), (280, 17190), (287, 17202), (295, 17220), (315, 17292), (346, 17370), (360, 17415), (365, 17427), (376, 17454), (397, 17520), (416, 17559), (417, 17562), (433, 17577), (437, 17589), (439, 17595), (454, 17637), (456, 17643), (517, 17808), (521, 17826), (540, 17886), (551, 17916), (564, 17943), (574, 17967), (583, 17988), (587, 18000), (604, 18048), (628, 18123), (640, 18162), (676, 18240), (678, 18246), (681, 18261), (685, 18273), (688, 18282), (707, 18357), (723, 18408), (761, 18507), (805, 18624), (809, 18642), (817, 18663),

Gene: Marshmallow_24 Start: 19829, Stop: 21424, Start Num: 203

Candidate Starts for Marshmallow_24:

(Start: 137 @19745 has 79 MA's), (Start: 203 @19829 has 47 MA's), (Start: 244 @19907 has 1 MA's), (274, 19994), (287, 20009), (309, 20057), (321, 20096), (353, 20183), (365, 20216), (379, 20252), (388, 20282), (390, 20288), (409, 20357), (435, 20387), (438, 20399), (439, 20402), (458, 20459), (518, 20591), (519, 20597), (538, 20663), (541, 20669), (549, 20693), (568, 20741), (578, 20765), (582, 20774), (606, 20849), (643, 20900), (650, 20915), (698, 21077), (704, 21104), (713, 21134), (747, 21239), (786, 21317), (797, 21353), (800, 21362), (808, 21395), (813, 21410),

Gene: Marteena_20 Start: 17566, Stop: 19272, Start Num: 147

Candidate Starts for Marteena_20:

(Start: 125 @17542 has 46 MA's), (Start: 147 @17566 has 24 MA's), (224, 17671), (Start: 244 @17713 has 1 MA's), (271, 17788), (313, 17902), (362, 18049), (365, 18055), (382, 18100), (451, 18238), (471, 18313), (586, 18595), (592, 18616), (620, 18691), (657, 18778), (672, 18814), (679, 18847), (681,

18853), (699, 18919), (707, 18949), (757, 19105), (759, 19111), (764, 19129), (806, 19240),

Gene: Martik_16 Start: 14813, Stop: 16522, Start Num: 129

Candidate Starts for Martik_16:

(Start: 129 @14813 has 207 MA's), (205, 14900), (Start: 232 @14945 has 2 MA's), (242, 14969), (279, 15074), (287, 15080), (294, 15098), (309, 15128), (347, 15233), (364, 15287), (367, 15293), (371, 15302), (379, 15323), (387, 15347), (396, 15383), (398, 15389), (406, 15422), (407, 15425), (411, 15434), (424, 15449), (425, 15455), (432, 15473), (437, 15488), (439, 15494), (446, 15512), (447, 15515), (452, 15530), (457, 15545), (458, 15551), (469, 15599), (474, 15611), (475, 15617), (517, 15677), (520, 15689), (531, 15725), (533, 15737), (565, 15812), (568, 15821), (575, 15839), (578, 15845), (590, 15875), (639, 15980), (645, 15992), (659, 16028), (680, 16106), (713, 16226), (723, 16259), (734, 16289), (737, 16301), (743, 16319), (745, 16325), (746, 16328), (748, 16334), (757, 16349), (758, 16352), (764, 16373), (765, 16376), (790, 16418), (797, 16448), (808, 16490), (809, 16496),

Gene: Marvin_48 Start: 27400, Stop: 29112, Start Num: 131

Candidate Starts for Marvin_48:

(90, 27337), (Start: 131 @27400 has 77 MA's), (196, 27481), (237, 27538), (262, 27619), (266, 27625), (291, 27682), (295, 27694), (299, 27706), (313, 27745), (317, 27760), (346, 27829), (362, 27883), (366, 27892), (443, 28048), (458, 28096), (460, 28105), (463, 28114), (473, 28153), (477, 28168), (517, 28231), (520, 28243), (556, 28360), (557, 28363), (575, 28414), (586, 28441), (587, 28444), (593, 28465), (607, 28507), (665, 28627), (672, 28645), (709, 28789), (723, 28834), (727, 28852), (756, 28936), (764, 28963), (771, 28984), (794, 29029), (796, 29035), (800, 29047), (803, 29059), (808, 29080), (813, 29095), (815, 29101),

Gene: MaryV_40 Start: 25250, Stop: 27634, Start Num: 17

Candidate Starts for MaryV_40:

(Start: 17 @25250 has 5 MA's), (24, 25367), (25, 25388), (26, 25391), (30, 25421), (31, 25427), (33, 25436), (39, 25526), (42, 25562), (44, 25580), (45, 25607), (48, 25619), (51, 25628), (56, 25691), (60, 25727), (65, 25763), (66, 25766), (69, 25772), (102, 25844), (128, 25874), (185, 25943), (188, 25946), (236, 26033), (Start: 244 @26051 has 1 MA's), (245, 26054), (261, 26114), (280, 26153), (296, 26195), (299, 26204), (301, 26210), (309, 26225), (312, 26240), (331, 26288), (362, 26384), (379, 26426), (380, 26429), (458, 26606), (463, 26624), (468, 26639), (469, 26654), (476, 26675), (485, 26708), (496, 26717), (516, 26747), (528, 26786), (539, 26828), (543, 26840), (544, 26843), (563, 26903), (586, 26963), (601, 27008), (614, 27044), (635, 27110), (670, 27164), (672, 27170), (689, 27236), (740, 27407), (750, 27431), (794, 27551), (801, 27572), (803, 27581), (813, 27617),

Gene: Maselop_45 Start: 31376, Stop: 32950, Start Num: 187

Candidate Starts for Maselop_45:

(Start: 187 @31376 has 8 MA's), (193, 31385), (230, 31439), (Start: 244 @31463 has 1 MA's), (245, 31466), (347, 31736), (369, 31799), (375, 31814), (435, 31931), (439, 31946), (458, 32003), (460, 32012), (471, 32054), (477, 32075), (495, 32105), (526, 32162), (553, 32237), (592, 32333), (627, 32438), (628, 32441), (636, 32468), (681, 32546), (692, 32585), (742, 32741), (766, 32807),

Gene: Matteo_17 Start: 14694, Stop: 16403, Start Num: 169

Candidate Starts for Matteo_17:

(64, 14523), (77, 14559), (Start: 169 @14694 has 31 MA's), (238, 14811), (260, 14883), (261, 14886), (279, 14922), (295, 14961), (340, 15084), (346, 15105), (370, 15174), (372, 15177), (410, 15309), (431, 15363), (455, 15444), (469, 15504), (472, 15510), (556, 15669), (570, 15687), (576, 15702), (585, 15726), (613, 15798), (614, 15801), (621, 15822), (701, 16056), (705, 16071), (718, 16113), (749, 16206), (750, 16209), (764, 16257), (774, 16287), (786, 16299),

Gene: Mattes_16 Start: 14804, Stop: 16513, Start Num: 129

Candidate Starts for Mattes_16:

(Start: 129 @14804 has 207 MA's), (205, 14891), (Start: 232 @14936 has 2 MA's), (242, 14960), (258, 15017), (279, 15065), (287, 15071), (294, 15089), (309, 15119), (347, 15224), (364, 15278), (367, 15284), (371, 15293), (379, 15314), (387, 15338), (396, 15374), (398, 15380), (406, 15413), (407, 15416), (411, 15425), (424, 15440), (425, 15446), (432, 15464), (437, 15479), (439, 15485), (446, 15503), (447, 15506), (452, 15521), (457, 15536), (458, 15542), (469, 15590), (474, 15602), (475, 15608), (517, 15668), (520, 15680), (531, 15716), (533, 15728), (565, 15803), (568, 15812), (575, 15830), (578, 15836), (590, 15866), (639, 15971), (645, 15983), (659, 16019), (680, 16097), (713, 16217), (723, 16250), (734, 16280), (737, 16292), (743, 16310), (745, 16316), (746, 16319), (748, 16325), (757, 16340), (758, 16343), (764, 16364), (765, 16367), (790, 16409), (797, 16439), (808, 16481), (809, 16487),

Gene: Maxxinista_25 Start: 19297, Stop: 20892, Start Num: 203

Candidate Starts for Maxxinista_25:

(Start: 137 @19213 has 79 MA's), (Start: 203 @19297 has 47 MA's), (Start: 244 @19375 has 1 MA's), (274, 19462), (287, 19477), (309, 19525), (321, 19564), (353, 19651), (365, 19684), (379, 19720), (388, 19750), (390, 19756), (409, 19825), (435, 19855), (438, 19867), (439, 19870), (458, 19927), (518, 20059), (519, 20065), (538, 20131), (541, 20137), (549, 20161), (568, 20209), (578, 20233), (582, 20242), (606, 20317), (643, 20368), (650, 20383), (698, 20545), (704, 20572), (713, 20602), (747, 20707), (786, 20785), (797, 20821), (800, 20830), (808, 20863), (813, 20878),

Gene: Mayweather_19 Start: 16040, Stop: 17734, Start Num: 154

Candidate Starts for Mayweather_19:

(Start: 150 @16037 has 7 MA's), (Start: 154 @16040 has 33 MA's), (226, 16139), (Start: 244 @16181 has 1 MA's), (251, 16202), (297, 16319), (334, 16421), (362, 16508), (375, 16538), (384, 16565), (398, 16610), (408, 16628), (432, 16643), (437, 16658), (454, 16715), (463, 16748), (467, 16760), (474, 16790), (500, 16847), (516, 16865), (525, 16895), (535, 16925), (540, 16940), (555, 16988), (573, 17039), (587, 17075), (591, 17090), (599, 17108), (620, 17165), (677, 17294), (679, 17306), (706, 17405), (707, 17408), (713, 17426), (731, 17486), (739, 17504), (748, 17531), (759, 17573), (810, 17720), (813, 17726),

Gene: Mbo4_17 Start: 15757, Stop: 17310, Start Num: 167

Candidate Starts for Mbo4_17:

(77, 15625), (Start: 167 @15757 has 53 MA's), (310, 16027), (320, 16066), (361, 16177), (411, 16333), (474, 16435), (513, 16471), (524, 16507), (556, 16594), (570, 16612), (581, 16639), (601, 16690), (696, 16933), (774, 17194), (789, 17209), (803, 17263),

Gene: McMater_23 Start: 16514, Stop: 18280, Start Num: 120

Candidate Starts for McMater_23:

(Start: 111 @16505 has 26 MA's), (Start: 120 @16514 has 139 MA's), (Start: 125 @16520 has 46 MA's), (Start: 148 @16544 has 2 MA's), (177, 16583), (Start: 232 @16670 has 2 MA's), (237, 16685), (245, 16703), (255, 16736), (315, 16901), (330, 16937), (358, 17015), (360, 17024), (397, 17129), (398, 17132), (417, 17171), (437, 17198), (439, 17204), (454, 17246), (456, 17252), (463, 17279), (517, 17417), (521, 17435), (551, 17525), (564, 17552), (578, 17585), (604, 17657), (622, 17711), (633, 17747), (640, 17771), (666, 17816), (676, 17849), (679, 17864), (685, 17882), (688, 17891), (707, 17966), (723, 18017), (725, 18023), (764, 18125), (809, 18251), (810, 18254), (817, 18272),

Gene: Mcklovin_20 Start: 20071, Stop: 21651, Start Num: 167

Candidate Starts for Mcklovin_20:

(83, 19954), (Start: 167 @20071 has 53 MA's), (302, 20329), (310, 20350), (327, 20404), (344, 20443), (361, 20500), (370, 20521), (456, 20692), (460, 20710), (468, 20734), (472, 20755), (513, 20797), (543, 20878), (584, 20968), (621, 21070), (622, 21073), (637, 21127), (680, 21217), (761, 21496), (764, 21505), (774, 21535),

Gene: Mdavu_19 Start: 16685, Stop: 18451, Start Num: 120

Candidate Starts for Mdavu_19:

(Start: 120 @16685 has 139 MA's), (Start: 125 @16691 has 46 MA's), (Start: 148 @16715 has 2 MA's), (Start: 232 @16841 has 2 MA's), (237, 16856), (245, 16874), (265, 16937), (315, 17072), (317, 17078), (358, 17186), (360, 17195), (397, 17300), (437, 17369), (439, 17375), (452, 17411), (456, 17423), (472, 17486), (517, 17588), (521, 17606), (533, 17648), (534, 17651), (578, 17756), (604, 17828), (637, 17936), (640, 17942), (666, 17987), (681, 18041), (688, 18062), (707, 18137), (723, 18188), (761, 18287), (766, 18302), (786, 18338), (800, 18383), (809, 18422), (810, 18425), (817, 18443),

Gene: MeaningOfLife_23 Start: 17124, Stop: 18890, Start Num: 120

Candidate Starts for MeaningOfLife_23:

(Start: 120 @17124 has 139 MA's), (Start: 148 @17154 has 2 MA's), (245, 17313), (255, 17346), (265, 17376), (280, 17409), (287, 17421), (315, 17511), (333, 17553), (358, 17625), (360, 17634), (376, 17673), (390, 17718), (397, 17739), (398, 17742), (433, 17796), (439, 17814), (454, 17856), (456, 17862), (463, 17889), (517, 18027), (521, 18045), (533, 18087), (540, 18105), (551, 18135), (564, 18162), (604, 18267), (666, 18426), (677, 18462), (685, 18492), (688, 18501), (707, 18576), (723, 18627), (800, 18822), (809, 18861), (810, 18864), (817, 18882),

Gene: Megiddo_19 Start: 16273, Stop: 18009, Start Num: 125

Candidate Starts for Megiddo_19:

(Start: 106 @16249 has 2 MA's), (Start: 125 @16273 has 46 MA's), (175, 16333), (189, 16354), (190, 16357), (253, 16477), (265, 16516), (280, 16549), (295, 16573), (342, 16693), (353, 16732), (355, 16738), (385, 16822), (387, 16828), (390, 16840), (396, 16864), (403, 16891), (409, 16909), (429, 16948), (432, 16954), (440, 16978), (458, 17032), (461, 17044), (464, 17053), (479, 17113), (522, 17191), (533, 17230), (545, 17263), (568, 17329), (578, 17353), (587, 17377), (597, 17407), (656, 17521), (662, 17533), (664, 17542), (665, 17551), (696, 17659), (719, 17743), (752, 17842), (800, 17950), (813, 17998),

Gene: Megsy_23 Start: 17125, Stop: 18891, Start Num: 120

Candidate Starts for Megsy_23:

(Start: 120 @17125 has 139 MA's), (Start: 148 @17155 has 2 MA's), (245, 17314), (255, 17347), (265, 17377), (280, 17410), (287, 17422), (315, 17512), (333, 17554), (354, 17617), (358, 17626), (360, 17635), (376, 17674), (390, 17719), (397, 17740), (398, 17743), (439, 17815), (454, 17857), (456, 17863), (463, 17890), (517, 18028), (521, 18046), (533, 18088), (540, 18106), (551, 18136), (564, 18163), (604, 18268), (666, 18427), (677, 18463), (685, 18493), (688, 18502), (707, 18577), (723, 18628), (800, 18823), (809, 18862), (810, 18865), (817, 18883),

Gene: MelBins_34 Start: 29286, Stop: 30911, Start Num: 166

Candidate Starts for MelBins_34:

(Start: 166 @29286 has 18 MA's), (176, 29298), (199, 29331), (206, 29340), (212, 29352), (Start: 232 @29382 has 2 MA's), (245, 29415), (274, 29499), (280, 29511), (313, 29586), (338, 29646), (347, 29676), (440, 29883), (451, 29913), (464, 29958), (468, 29970), (479, 30018), (517, 30066), (537, 30138), (549, 30171), (550, 30174), (566, 30213), (582, 30252), (612, 30339), (613, 30342), (648, 30420), (677, 30480), (689, 30525), (709, 30606), (726, 30660), (757, 30741), (761, 30756), (808, 30885), (813, 30900),

Gene: Melba_19 Start: 16650, Stop: 18296, Start Num: 171

Candidate Starts for Melba_19:

(143, 16614), (Start: 171 @16650 has 46 MA's), (237, 16752), (262, 16830), (265, 16833), (309, 16929), (319, 16968), (354, 17049), (375, 17103), (380, 17118), (458, 17289), (467, 17319), (541, 17502), (549, 17526), (550, 17529), (571, 17577), (605, 17670), (612, 17682), (626, 17727), (631,

17742), (677, 17874), (678, 17877), (704, 17976), (709, 17994), (725, 18045), (750, 18111), (772, 18174), (782, 18186),

Gene: Melissauren88_16 Start: 14837, Stop: 16546, Start Num: 129

Candidate Starts for Melissauren88_16:

(Start: 129 @14837 has 207 MA's), (205, 14924), (Start: 232 @14969 has 2 MA's), (242, 14993), (279, 15098), (287, 15104), (294, 15122), (309, 15152), (347, 15257), (367, 15317), (376, 15338), (379, 15347), (385, 15365), (387, 15371), (432, 15497), (437, 15512), (439, 15518), (452, 15554), (453, 15557), (457, 15569), (458, 15575), (469, 15623), (474, 15635), (475, 15641), (517, 15701), (520, 15713), (531, 15749), (533, 15761), (565, 15836), (568, 15845), (575, 15863), (578, 15869), (590, 15899), (639, 16004), (643, 16013), (645, 16016), (659, 16052), (680, 16130), (706, 16229), (713, 16250), (723, 16283), (734, 16313), (743, 16343), (746, 16352), (748, 16358), (757, 16373), (758, 16376), (765, 16400), (782, 16430), (790, 16442), (797, 16472), (808, 16514),

Gene: Mellie_18 Start: 16411, Stop: 18057, Start Num: 171

Candidate Starts for Mellie_18:

(143, 16375), (Start: 171 @16411 has 46 MA's), (237, 16513), (262, 16591), (265, 16594), (309, 16690), (319, 16729), (348, 16789), (354, 16810), (375, 16864), (380, 16879), (433, 16975), (458, 17050), (467, 17080), (541, 17263), (549, 17287), (571, 17338), (605, 17431), (612, 17443), (626, 17488), (631, 17503), (677, 17635), (678, 17638), (704, 17737), (709, 17755), (725, 17806), (748, 17866), (750, 17872), (772, 17935), (782, 17947),

Gene: Melville_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Melville_18:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249, 15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364, 15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406, 15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477, 15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589, 16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743, 16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: Mendokysei_18 Start: 16790, Stop: 18496, Start Num: 133

Candidate Starts for Mendokysei_18:

(34, 16388), (35, 16403), (37, 16412), (38, 16436), (54, 16583), (68, 16682), (97, 16745), (Start: 133 @16790 has 7 MA's), (188, 16856), (274, 17021), (282, 17036), (296, 17075), (297, 17078), (312, 17120), (313, 17123), (341, 17189), (343, 17195), (437, 17411), (458, 17474), (481, 17564), (517, 17609), (536, 17675), (543, 17696), (544, 17699), (558, 17744), (607, 17885), (671, 18020), (672, 18023), (681, 18062), (723, 18212), (736, 18248), (790, 18392), (794, 18413), (802, 18440), (813, 18479),

Gene: MerCougar_42 Start: 30743, Stop: 32359, Start Num: 178

Candidate Starts for MerCougar_42:

(Start: 178 @30743 has 37 MA's), (245, 30857), (273, 30941), (346, 31124), (369, 31190), (375, 31205), (383, 31229), (384, 31232), (413, 31316), (438, 31346), (456, 31397), (458, 31406), (463, 31424), (469, 31454), (477, 31478), (524, 31562), (531, 31583), (550, 31631), (567, 31670), (586, 31718), (627, 31844), (637, 31880), (692, 31991), (709, 32054), (713, 32066), (782, 32243), (797, 32285), (813, 32342),

Gene: Mercurio_20 Start: 17337, Stop: 19148, Start Num: 87

Candidate Starts for Mercurio_20:

(16, 16770), (65, 17289), (74, 17307), (Start: 87 @17337 has 1 MA's), (210, 17487), (237, 17541), (255, 17592), (265, 17622), (275, 17646), (308, 17724), (333, 17799), (439, 18069), (443, 18078),

(456, 18117), (467, 18156), (474, 18186), (494, 18240), (517, 18282), (564, 18423), (604, 18528), (613, 18555), (645, 18648), (676, 18720), (693, 18783), (698, 18798), (703, 18822), (723, 18888), (761, 18987), (800, 19083), (811, 19128),

Gene: Meyran_21 Start: 18916, Stop: 20562, Start Num: 164

Candidate Starts for Meyran_21:

(59, 18715), (74, 18775), (124, 18868), (Start: 156 @18904 has 2 MA's), (Start: 164 @18916 has 4 MA's), (237, 19030), (239, 19036), (256, 19084), (297, 19180), (299, 19186), (333, 19297), (339, 19306), (346, 19333), (348, 19339), (349, 19342), (355, 19363), (437, 19534), (438, 19537), (459, 19603), (464, 19618), (496, 19702), (511, 19711), (524, 19753), (531, 19774), (546, 19822), (550, 19834), (559, 19861), (587, 19930), (611, 19999), (622, 20032), (652, 20089), (677, 20140), (696, 20209), (709, 20260), (720, 20296), (725, 20311), (747, 20368), (750, 20377), (764, 20416), (783, 20455), (789, 20461),

Gene: MiaZeal_34 Start: 24890, Stop: 26623, Start Num: 131

Candidate Starts for MiaZeal_34:

(Start: 131 @24890 has 77 MA's), (Start: 203 @24980 has 47 MA's), (205, 24983), (242, 25058), (251, 25085), (274, 25151), (295, 25187), (310, 25217), (313, 25232), (345, 25316), (355, 25352), (365, 25379), (380, 25418), (390, 25451), (393, 25460), (407, 25517), (428, 25559), (455, 25634), (458, 25646), (474, 25706), (506, 25760), (518, 25790), (522, 25808), (526, 25817), (534, 25850), (538, 25862), (541, 25868), (554, 25907), (578, 25964), (650, 26114), (656, 26132), (670, 26174), (676, 26198), (677, 26201), (680, 26216), (689, 26246), (698, 26276), (713, 26333), (767, 26483), (810, 26603), (813, 26609),

Gene: MichaelScott_20 Start: 17703, Stop: 19283, Start Num: 167

Candidate Starts for MichaelScott_20:

(83, 17586), (Start: 167 @17703 has 53 MA's), (302, 17961), (310, 17982), (327, 18036), (344, 18075), (361, 18132), (370, 18153), (456, 18324), (460, 18342), (468, 18366), (472, 18387), (513, 18429), (543, 18510), (584, 18600), (602, 18645), (621, 18702), (622, 18705), (637, 18759), (680, 18849), (761, 19128), (764, 19137), (774, 19167),

Gene: MichelleMyBell_18 Start: 14987, Stop: 16696, Start Num: 134

Candidate Starts for MichelleMyBell_18:

(Start: 134 @14987 has 43 MA's), (161, 15014), (Start: 232 @15119 has 2 MA's), (236, 15131), (249, 15167), (265, 15218), (274, 15239), (279, 15248), (287, 15254), (295, 15275), (299, 15287), (364, 15461), (367, 15467), (375, 15485), (379, 15497), (380, 15500), (387, 15521), (406, 15596), (424, 15623), (432, 15647), (433, 15650), (437, 15662), (452, 15704), (457, 15719), (458, 15725), (460, 15734), (469, 15773), (493, 15827), (517, 15851), (533, 15911), (557, 15977), (565, 15986), (568, 15995), (589, 16046), (590, 16049), (639, 16154), (659, 16202), (670, 16238), (678, 16268), (697, 16340), (743, 16493), (746, 16502), (757, 16523), (761, 16538), (765, 16550), (786, 16586), (790, 16592),

Gene: MilanaBonita_17 Start: 15476, Stop: 17185, Start Num: 129

Candidate Starts for MilanaBonita_17:

(Start: 129 @15476 has 207 MA's), (205, 15563), (Start: 232 @15608 has 2 MA's), (242, 15632), (279, 15737), (287, 15743), (294, 15761), (309, 15791), (347, 15896), (367, 15956), (376, 15977), (379, 15986), (387, 16010), (432, 16136), (437, 16151), (439, 16157), (452, 16193), (453, 16196), (457, 16208), (458, 16214), (469, 16262), (474, 16274), (475, 16280), (517, 16340), (520, 16352), (531, 16388), (533, 16400), (565, 16475), (568, 16484), (575, 16502), (578, 16508), (590, 16538), (639, 16643), (643, 16652), (645, 16655), (654, 16676), (659, 16691), (678, 16757), (680, 16769), (706, 16868), (713, 16889), (723, 16922), (734, 16952), (743, 16982), (746, 16991), (748, 16997), (757, 17012), (758, 17015), (765, 17039), (782, 17069), (790, 17081), (797, 17111), (808, 17153),

Gene: Miley16_18 Start: 16989, Stop: 18722, Start Num: 131

Candidate Starts for Miley16_18:

(Start: 131 @16989 has 77 MA's), (188, 17058), (261, 17199), (262, 17202), (285, 17247), (296, 17280), (299, 17289), (312, 17325), (334, 17379), (344, 17406), (347, 17418), (362, 17469), (365, 17475), (378, 17508), (451, 17661), (458, 17685), (460, 17694), (472, 17739), (476, 17754), (517, 17832), (553, 17952), (575, 18015), (601, 18087), (614, 18123), (670, 18243), (672, 18249), (675, 18261), (691, 18324), (715, 18411), (723, 18438), (748, 18507), (754, 18522), (757, 18534), (764, 18558), (794, 18636),

Gene: MilleniumForce_17 Start: 15620, Stop: 17329, Start Num: 129

Candidate Starts for MilleniumForce_17:

(Start: 129 @15620 has 207 MA's), (205, 15707), (Start: 232 @15752 has 2 MA's), (242, 15776), (279, 15881), (287, 15887), (294, 15905), (309, 15935), (347, 16040), (367, 16100), (376, 16121), (379, 16130), (387, 16154), (432, 16280), (437, 16295), (439, 16301), (452, 16337), (453, 16340), (457, 16352), (458, 16358), (469, 16406), (474, 16418), (475, 16424), (517, 16484), (520, 16496), (531, 16532), (533, 16544), (565, 16619), (568, 16628), (575, 16646), (578, 16652), (590, 16682), (639, 16787), (643, 16796), (645, 16799), (659, 16835), (680, 16913), (706, 17012), (713, 17033), (723, 17066), (734, 17096), (743, 17126), (746, 17135), (748, 17141), (757, 17156), (758, 17159), (765, 17183), (782, 17213), (790, 17225), (797, 17255), (808, 17297),

Gene: Milly_19 Start: 15013, Stop: 16782, Start Num: 117

Candidate Starts for Milly_19:

(Start: 95 @14977 has 1 MA's), (Start: 111 @15007 has 26 MA's), (Start: 117 @15013 has 41 MA's), (Start: 142 @15028 has 43 MA's), (177, 15070), (210, 15118), (Start: 232 @15157 has 2 MA's), (237, 15172), (255, 15223), (265, 15253), (280, 15286), (287, 15298), (295, 15316), (315, 15388), (317, 15394), (353, 15490), (358, 15502), (393, 15604), (398, 15619), (416, 15655), (439, 15691), (456, 15739), (467, 15778), (472, 15802), (475, 15814), (517, 15904), (519, 15913), (604, 16159), (622, 16213), (637, 16267), (685, 16381), (688, 16390), (707, 16465), (723, 16516), (725, 16522), (757, 16603), (761, 16618), (789, 16672), (809, 16753), (817, 16774),

Gene: Mindy_24 Start: 19608, Stop: 21203, Start Num: 203

Candidate Starts for Mindy_24:

(Start: 137 @19524 has 79 MA's), (Start: 203 @19608 has 47 MA's), (Start: 244 @19686 has 1 MA's), (274, 19773), (287, 19788), (309, 19836), (321, 19875), (353, 19962), (365, 19995), (379, 20031), (388, 20061), (390, 20067), (409, 20136), (435, 20166), (438, 20178), (439, 20181), (458, 20238), (518, 20370), (519, 20376), (538, 20442), (541, 20448), (549, 20472), (568, 20520), (578, 20544), (582, 20553), (606, 20628), (643, 20679), (650, 20694), (698, 20856), (704, 20883), (713, 20913), (747, 21018), (786, 21096), (797, 21132), (800, 21141), (808, 21174), (813, 21189),

Gene: Minerva_37 Start: 28330, Stop: 30328, Start Num: 131

Candidate Starts for Minerva_37:

(Start: 131 @28330 has 77 MA's), (Start: 203 @28420 has 47 MA's), (229, 28468), (242, 28498), (251, 28525), (295, 28627), (310, 28657), (345, 28756), (355, 28792), (357, 28798), (365, 28819), (390, 28891), (393, 28900), (398, 28921), (439, 29029), (440, 29032), (446, 29047), (458, 29086), (469, 29134), (474, 29146), (475, 29152), (506, 29200), (511, 29209), (518, 29230), (522, 29248), (536, 29296), (575, 29398), (602, 29470), (615, 29515), (616, 29527), (617, 29662), (618, 29668), (619, 29692), (630, 29764), (637, 29791), (714, 30040),

Gene: MiniLon_19 Start: 17191, Stop: 18954, Start Num: 98

Candidate Starts for MiniLon_19:

(Start: 98 @17191 has 41 MA's), (Start: 120 @17218 has 139 MA's), (174, 17281), (Start: 207 @17329 has 1 MA's), (210, 17335), (239, 17371), (262, 17446), (274, 17470), (278, 17476), (299, 17533), (344, 17647), (347, 17659), (385, 17770), (455, 17914), (458, 17926), (543, 18148), (545, 18154), (563,

18211), (579, 18253), (583, 18262), (587, 18274), (613, 18349), (634, 18415), (637, 18427), (638, 18430), (672, 18478), (689, 18544), (709, 18622), (723, 18667), (740, 18712), (744, 18724), (764, 18787), (777, 18823), (785, 18838), (794, 18868), (796, 18874), (800, 18886), (802, 18895), (805, 18907),

Gene: MiniMac_19 Start: 17192, Stop: 18955, Start Num: 98

Candidate Starts for MiniMac_19:

(Start: 98 @17192 has 41 MA's), (Start: 120 @17219 has 139 MA's), (174, 17282), (Start: 207 @17330 has 1 MA's), (210, 17336), (239, 17372), (262, 17447), (274, 17471), (278, 17477), (299, 17534), (344, 17648), (347, 17660), (385, 17771), (455, 17915), (458, 17927), (543, 18149), (545, 18155), (563, 18212), (579, 18254), (583, 18263), (587, 18275), (613, 18350), (634, 18416), (637, 18428), (638, 18431), (672, 18479), (689, 18545), (709, 18623), (723, 18668), (740, 18713), (744, 18725), (764, 18788), (777, 18824), (785, 18839), (794, 18869), (796, 18875), (800, 18887), (802, 18896), (805, 18908),

Gene: MinionDave_17 Start: 15489, Stop: 17198, Start Num: 129

Candidate Starts for MinionDave_17:

(Start: 129 @15489 has 207 MA's), (205, 15576), (Start: 232 @15621 has 2 MA's), (242, 15645), (279, 15750), (287, 15756), (294, 15774), (309, 15804), (347, 15909), (367, 15969), (376, 15990), (379, 15999), (387, 16023), (432, 16149), (437, 16164), (439, 16170), (452, 16206), (453, 16209), (457, 16221), (458, 16227), (469, 16275), (474, 16287), (475, 16293), (517, 16353), (520, 16365), (531, 16401), (533, 16413), (565, 16488), (568, 16497), (575, 16515), (578, 16521), (590, 16551), (639, 16656), (643, 16665), (645, 16668), (659, 16704), (680, 16782), (706, 16881), (713, 16902), (723, 16935), (734, 16965), (743, 16995), (746, 17004), (748, 17010), (757, 17025), (758, 17028), (765, 17052), (782, 17082), (790, 17094), (797, 17124), (808, 17166),

Gene: Miniwave_24 Start: 19943, Stop: 21622, Start Num: 137

Candidate Starts for Miniwave_24:

(Start: 137 @19943 has 79 MA's), (Start: 203 @20027 has 47 MA's), (Start: 244 @20105 has 1 MA's), (274, 20192), (287, 20207), (309, 20255), (321, 20294), (353, 20381), (365, 20414), (379, 20450), (388, 20480), (390, 20486), (409, 20555), (435, 20585), (438, 20597), (439, 20600), (458, 20657), (518, 20789), (519, 20795), (538, 20861), (541, 20867), (549, 20891), (568, 20939), (578, 20963), (582, 20972), (606, 21047), (643, 21098), (650, 21113), (698, 21275), (704, 21302), (713, 21332), (747, 21437), (786, 21515), (797, 21551), (800, 21560), (808, 21593), (813, 21608),

Gene: Minnie_17 Start: 15349, Stop: 17058, Start Num: 129

Candidate Starts for Minnie_17:

(Start: 129 @15349 has 207 MA's), (205, 15436), (Start: 232 @15481 has 2 MA's), (242, 15505), (279, 15610), (287, 15616), (294, 15634), (309, 15664), (347, 15769), (364, 15823), (367, 15829), (376, 15850), (379, 15859), (387, 15883), (432, 16009), (437, 16024), (439, 16030), (452, 16066), (453, 16069), (457, 16081), (458, 16087), (469, 16135), (474, 16147), (475, 16153), (517, 16213), (520, 16225), (531, 16261), (533, 16273), (565, 16348), (568, 16357), (575, 16375), (578, 16381), (590, 16411), (639, 16516), (643, 16525), (645, 16528), (659, 16564), (680, 16642), (706, 16741), (713, 16762), (723, 16795), (734, 16825), (743, 16855), (746, 16864), (748, 16870), (757, 16885), (758, 16888), (765, 16912), (782, 16942), (790, 16954), (797, 16984), (808, 17026),

Gene: MintFen_19 Start: 16650, Stop: 18296, Start Num: 171

Candidate Starts for MintFen_19:

(143, 16614), (Start: 171 @16650 has 46 MA's), (237, 16752), (262, 16830), (265, 16833), (309, 16929), (319, 16968), (354, 17049), (375, 17103), (380, 17118), (458, 17289), (467, 17319), (541, 17502), (549, 17526), (550, 17529), (571, 17577), (605, 17670), (612, 17682), (626, 17727), (631, 17742), (677, 17874), (678, 17877), (704, 17976), (709, 17994), (725, 18045), (750, 18111), (772, 18174), (782, 18186),

Gene: Miryou_21 Start: 17480, Stop: 19252, Start Num: 123

Candidate Starts for Miryou_21:

(Start: 123 @17480 has 15 MA's), (127, 17486), (Start: 151 @17510 has 2 MA's), (177, 17543), (210, 17591), (237, 17645), (255, 17696), (280, 17759), (317, 17867), (358, 17975), (397, 18089), (398, 18092), (417, 18131), (433, 18146), (437, 18158), (439, 18164), (454, 18206), (456, 18212), (467, 18251), (472, 18275), (517, 18377), (534, 18440), (550, 18485), (604, 18620), (635, 18719), (670, 18797), (676, 18821), (681, 18842), (685, 18854), (687, 18860), (707, 18938), (709, 18944), (764, 19097), (804, 19202), (805, 19205), (809, 19223),

Gene: Misfit_24 Start: 19833, Stop: 21512, Start Num: 137

Candidate Starts for Misfit_24:

(Start: 137 @19833 has 79 MA's), (Start: 203 @19917 has 47 MA's), (Start: 244 @19995 has 1 MA's), (274, 20082), (287, 20097), (309, 20145), (321, 20184), (353, 20271), (365, 20304), (379, 20340), (388, 20370), (390, 20376), (409, 20445), (435, 20475), (438, 20487), (439, 20490), (458, 20547), (518, 20679), (519, 20685), (538, 20751), (541, 20757), (549, 20781), (568, 20829), (578, 20853), (582, 20862), (606, 20937), (643, 20988), (650, 21003), (698, 21165), (704, 21192), (713, 21222), (747, 21327), (786, 21405), (797, 21441), (800, 21450), (808, 21483), (813, 21498),

Gene: Misha28_17 Start: 14677, Stop: 16386, Start Num: 129

Candidate Starts for Misha28_17:

(Start: 129 @14677 has 207 MA's), (205, 14764), (Start: 232 @14809 has 2 MA's), (242, 14833), (279, 14938), (287, 14944), (294, 14962), (297, 14971), (309, 14992), (347, 15097), (367, 15157), (371, 15166), (376, 15178), (379, 15187), (387, 15211), (396, 15247), (398, 15253), (401, 15265), (406, 15286), (407, 15289), (411, 15298), (424, 15313), (425, 15319), (432, 15337), (437, 15352), (439, 15358), (446, 15376), (447, 15379), (452, 15394), (457, 15409), (458, 15415), (469, 15463), (474, 15475), (475, 15481), (517, 15541), (520, 15553), (522, 15562), (531, 15589), (533, 15601), (541, 15622), (565, 15676), (568, 15685), (578, 15709), (590, 15739), (639, 15844), (645, 15856), (659, 15892), (680, 15970), (706, 16069), (713, 16090), (723, 16123), (734, 16153), (743, 16183), (745, 16189), (746, 16192), (748, 16198), (757, 16213), (758, 16216), (764, 16237), (790, 16282), (808, 16354), (809, 16360),

Gene: Miskis_46 Start: 29375, Stop: 31066, Start Num: 152

Candidate Starts for Miskis_46:

(Start: 152 @29375 has 16 MA's), (193, 29435), (214, 29468), (Start: 232 @29498 has 2 MA's), (233, 29501), (280, 29627), (296, 29660), (299, 29669), (348, 29798), (363, 29846), (458, 30059), (459, 30065), (467, 30089), (524, 30218), (531, 30239), (541, 30272), (605, 30470), (678, 30623), (704, 30722), (707, 30734), (710, 30743), (740, 30827), (798, 30974), (807, 31010), (810, 31022),

Gene: MissDaisy_24 Start: 18385, Stop: 20172, Start Num: 117

Candidate Starts for MissDaisy_24:

(Start: 95 @18349 has 1 MA's), (Start: 111 @18379 has 26 MA's), (Start: 117 @18385 has 41 MA's), (Start: 120 @18388 has 139 MA's), (177, 18442), (210, 18490), (Start: 232 @18529 has 2 MA's), (237, 18544), (245, 18562), (255, 18595), (265, 18625), (287, 18670), (295, 18688), (315, 18760), (317, 18766), (330, 18796), (353, 18862), (358, 18874), (407, 19009), (437, 19057), (439, 19063), (446, 19081), (456, 19111), (467, 19150), (517, 19276), (533, 19336), (534, 19339), (541, 19357), (546, 19372), (604, 19540), (622, 19594), (635, 19639), (655, 19684), (666, 19708), (676, 19741), (685, 19774), (688, 19783), (704, 19846), (707, 19858), (723, 19909), (725, 19915), (764, 20017), (809, 20143), (817, 20164),

Gene: MissRona_21 Start: 16962, Stop: 18611, Start Num: 171

Candidate Starts for MissRona_21:

(143, 16926), (Start: 171 @16962 has 46 MA's), (Start: 178 @16971 has 37 MA's), (237, 17067), (262, 17145), (298, 17217), (309, 17244), (319, 17283), (354, 17364), (375, 17418), (458, 17604), (467, 17634), (516, 17733), (541, 17817), (549, 17841), (571, 17892), (605, 17985), (612, 17997), (626, 18042), (631, 18057), (677, 18189), (678, 18192), (704, 18291), (709, 18309), (725, 18360), (748, 18420), (750, 18426), (782, 18501),

Gene: MisterCuddles_16 Start: 14774, Stop: 16483, Start Num: 129

Candidate Starts for MisterCuddles_16:

(Start: 129 @14774 has 207 MA's), (205, 14861), (Start: 232 @14906 has 2 MA's), (242, 14930), (279, 15035), (287, 15041), (294, 15059), (309, 15089), (347, 15194), (364, 15248), (367, 15254), (371, 15263), (376, 15275), (379, 15284), (387, 15308), (396, 15344), (398, 15350), (401, 15362), (406, 15383), (407, 15386), (411, 15395), (424, 15410), (425, 15416), (432, 15434), (437, 15449), (439, 15455), (446, 15473), (447, 15476), (452, 15491), (457, 15506), (458, 15512), (467, 15542), (469, 15560), (474, 15572), (475, 15578), (517, 15638), (520, 15650), (531, 15686), (533, 15698), (541, 15719), (565, 15773), (568, 15782), (578, 15806), (590, 15836), (639, 15941), (645, 15953), (659, 15989), (671, 16028), (680, 16067), (706, 16166), (713, 16187), (723, 16220), (734, 16250), (743, 16280), (746, 16289), (748, 16295), (757, 16310), (758, 16313), (764, 16334), (765, 16337), (790, 16379), (797, 16409), (808, 16451), (809, 16457),

Gene: Mitti_24 Start: 18546, Stop: 20333, Start Num: 120

Candidate Starts for Mitti_24:

(Start: 95 @18507 has 1 MA's), (Start: 111 @18537 has 26 MA's), (Start: 117 @18543 has 41 MA's), (Start: 120 @18546 has 139 MA's), (177, 18603), (210, 18651), (Start: 232 @18690 has 2 MA's), (237, 18705), (245, 18723), (255, 18756), (265, 18786), (287, 18831), (295, 18849), (315, 18921), (317, 18927), (330, 18957), (353, 19023), (358, 19035), (407, 19170), (437, 19218), (439, 19224), (446, 19242), (456, 19272), (467, 19311), (517, 19437), (533, 19497), (534, 19500), (541, 19518), (546, 19533), (604, 19701), (622, 19755), (635, 19800), (655, 19845), (666, 19869), (676, 19902), (685, 19935), (704, 20007), (707, 20019), (723, 20070), (725, 20076), (764, 20178), (809, 20304), (817, 20325),

Gene: MkaliMitinis3_18 Start: 16989, Stop: 18722, Start Num: 131

Candidate Starts for MkaliMitinis3_18:

(Start: 131 @16989 has 77 MA's), (188, 17058), (261, 17199), (262, 17202), (285, 17247), (296, 17280), (299, 17289), (312, 17325), (334, 17379), (344, 17406), (347, 17418), (362, 17469), (365, 17475), (378, 17508), (451, 17661), (458, 17685), (460, 17694), (472, 17739), (476, 17754), (517, 17832), (553, 17952), (575, 18015), (601, 18087), (614, 18123), (670, 18243), (672, 18249), (675, 18261), (691, 18324), (715, 18411), (723, 18438), (748, 18507), (754, 18522), (757, 18534), (764, 18558), (794, 18636),

Gene: Mocha12_17 Start: 14758, Stop: 16467, Start Num: 169

Candidate Starts for Mocha12_17:

(Start: 169 @14758 has 31 MA's), (238, 14875), (295, 15025), (309, 15064), (312, 15079), (340, 15148), (344, 15160), (370, 15238), (372, 15241), (410, 15373), (431, 15427), (455, 15508), (469, 15568), (472, 15574), (474, 15580), (529, 15661), (543, 15697), (556, 15733), (570, 15751), (585, 15790), (613, 15862), (621, 15886), (701, 16120), (705, 16135), (718, 16177), (749, 16270), (750, 16273), (764, 16321), (774, 16351),

Gene: Modragons_16 Start: 15041, Stop: 16750, Start Num: 129

Candidate Starts for Modragons_16:

(Start: 129 @15041 has 207 MA's), (205, 15128), (219, 15149), (Start: 232 @15173 has 2 MA's), (242, 15197), (248, 15218), (279, 15302), (287, 15308), (294, 15326), (309, 15356), (347, 15461), (364, 15515), (367, 15521), (375, 15539), (376, 15542), (379, 15551), (387, 15575), (406, 15650), (411, 15662), (424, 15677), (425, 15683), (432, 15701), (437, 15716), (439, 15722), (449, 15749), (452,

15758), (457, 15773), (458, 15779), (469, 15827), (474, 15839), (475, 15845), (517, 15905), (520, 15917), (531, 15953), (533, 15965), (541, 15986), (565, 16040), (568, 16049), (575, 16067), (578, 16073), (590, 16103), (639, 16208), (643, 16217), (645, 16220), (659, 16256), (671, 16295), (680, 16334), (713, 16454), (723, 16487), (734, 16517), (743, 16547), (746, 16556), (748, 16562), (757, 16577), (758, 16580), (764, 16601), (765, 16604), (786, 16640), (790, 16646), (797, 16676), (808, 16718),

Gene: Moldemort_25 Start: 19488, Stop: 21167, Start Num: 137

Candidate Starts for Moldemort_25:

(Start: 137 @19488 has 79 MA's), (Start: 203 @19572 has 47 MA's), (Start: 244 @19650 has 1 MA's), (274, 19737), (287, 19752), (309, 19800), (321, 19839), (353, 19926), (365, 19959), (379, 19995), (388, 20025), (390, 20031), (409, 20100), (435, 20130), (438, 20142), (439, 20145), (458, 20202), (518, 20334), (519, 20340), (538, 20406), (541, 20412), (549, 20436), (568, 20484), (578, 20508), (582, 20517), (606, 20592), (643, 20643), (650, 20658), (698, 20820), (704, 20847), (713, 20877), (747, 20982), (786, 21060), (797, 21096), (800, 21105), (808, 21138), (813, 21153),

Gene: Mollymur_31 Start: 28168, Stop: 30066, Start Num: 151

Candidate Starts for Mollymur_31:

(Start: 151 @28168 has 2 MA's), (Start: 153 @28171 has 5 MA's), (Start: 166 @28189 has 18 MA's), (193, 28228), (326, 28531), (348, 28588), (363, 28636), (393, 28720), (420, 28858), (421, 28864), (426, 28930), (458, 29062), (459, 29068), (545, 29287), (546, 29290), (587, 29410), (605, 29470), (624, 29521), (629, 29536), (704, 29722), (707, 29734), (725, 29791), (815, 30034), (818, 30058),

Gene: MooMoo_16 Start: 14544, Stop: 16277, Start Num: 136

Candidate Starts for MooMoo_16:

(107, 14511), (110, 14514), (Start: 136 @14544 has 1 MA's), (219, 14646), (249, 14718), (256, 14742), (379, 15048), (401, 15126), (432, 15198), (437, 15213), (439, 15219), (440, 15222), (453, 15258), (458, 15276), (469, 15324), (474, 15336), (538, 15477), (565, 15537), (568, 15546), (578, 15570), (587, 15594), (589, 15597), (590, 15600), (598, 15633), (654, 15738), (689, 15861), (691, 15870), (704, 15921), (706, 15930), (725, 15990), (737, 16032), (741, 16044), (756, 16101), (757, 16104), (783, 16164),

Gene: Moonbeam_17 Start: 15298, Stop: 17007, Start Num: 129

Candidate Starts for Moonbeam_17:

(Start: 129 @15298 has 207 MA's), (205, 15385), (Start: 232 @15430 has 2 MA's), (242, 15454), (279, 15559), (287, 15565), (294, 15583), (309, 15613), (347, 15718), (367, 15778), (376, 15799), (379, 15808), (387, 15832), (432, 15958), (437, 15973), (439, 15979), (452, 16015), (453, 16018), (457, 16030), (458, 16036), (469, 16084), (474, 16096), (475, 16102), (517, 16162), (520, 16174), (531, 16210), (533, 16222), (565, 16297), (568, 16306), (575, 16324), (578, 16330), (590, 16360), (639, 16465), (643, 16474), (645, 16477), (659, 16513), (680, 16591), (706, 16690), (713, 16711), (723, 16744), (734, 16774), (743, 16804), (746, 16813), (748, 16819), (757, 16834), (758, 16837), (765, 16861), (782, 16891), (790, 16903), (797, 16933), (808, 16975),

Gene: Moosehead_17 Start: 14663, Stop: 16372, Start Num: 169

Candidate Starts for Moosehead_17:

(77, 14528), (83, 14543), (Start: 169 @14663 has 31 MA's), (199, 14705), (238, 14780), (260, 14852), (261, 14855), (295, 14930), (327, 15026), (340, 15053), (344, 15065), (370, 15143), (372, 15146), (385, 15191), (431, 15332), (455, 15413), (469, 15473), (472, 15479), (513, 15521), (543, 15602), (547, 15614), (556, 15638), (570, 15656), (576, 15671), (585, 15695), (621, 15791), (622, 15794), (701, 16025), (705, 16040), (749, 16175), (750, 16178), (764, 16226), (774, 16256), (793, 16292),

Gene: Moostard_19 Start: 17376, Stop: 19139, Start Num: 98

Candidate Starts for Moostard_19:

(Start: 98 @17376 has 41 MA's), (Start: 120 @17403 has 139 MA's), (174, 17466), (Start: 207 @17514 has 1 MA's), (210, 17520), (239, 17556), (262, 17631), (274, 17655), (278, 17661), (299, 17718), (344, 17832), (347, 17844), (385, 17955), (455, 18099), (458, 18111), (468, 18144), (469, 18159), (543, 18333), (545, 18339), (563, 18396), (579, 18438), (583, 18447), (587, 18459), (613, 18534), (635, 18603), (638, 18615), (672, 18663), (689, 18729), (709, 18807), (723, 18852), (744, 18909), (764, 18972), (777, 19008), (785, 19023), (794, 19053), (796, 19059), (800, 19071), (802, 19080), (805, 19092),

Gene: Mori_56 Start: 33516, Stop: 35252, Start Num: 109

Candidate Starts for Mori_56:

(Start: 104 @33507 has 2 MA's), (Start: 109 @33516 has 26 MA's), (Start: 184 @33606 has 1 MA's), (248, 33723), (258, 33759), (266, 33780), (279, 33807), (287, 33813), (298, 33843), (311, 33867), (329, 33918), (379, 34056), (381, 34062), (395, 34113), (396, 34116), (401, 34134), (432, 34185), (439, 34206), (440, 34209), (457, 34257), (458, 34263), (469, 34311), (472, 34317), (474, 34323), (507, 34383), (517, 34407), (518, 34410), (531, 34455), (534, 34470), (537, 34479), (541, 34488), (557, 34533), (568, 34551), (582, 34584), (645, 34722), (654, 34743), (674, 34809), (681, 34839), (696, 34893), (706, 34935), (713, 34956), (719, 34977), (723, 34989), (730, 35010), (748, 35064), (786, 35142), (797, 35178), (803, 35199), (809, 35226),

Gene: Morkie_18 Start: 15153, Stop: 16865, Start Num: 147

Candidate Starts for Morkie_18:

(Start: 147 @15153 has 24 MA's), (157, 15165), (186, 15207), (245, 15309), (271, 15381), (304, 15462), (318, 15513), (331, 15546), (346, 15588), (348, 15594), (362, 15642), (382, 15693), (393, 15729), (433, 15771), (440, 15792), (443, 15798), (450, 15822), (463, 15873), (464, 15876), (471, 15906), (596, 16218), (620, 16284), (628, 16314), (672, 16407), (677, 16428), (679, 16440), (681, 16446), (683, 16452), (685, 16458), (699, 16512), (707, 16542), (727, 16611), (757, 16698), (759, 16704), (766, 16728), (776, 16755),

Gene: Morrissey_19 Start: 16044, Stop: 17648, Start Num: 168

Candidate Starts for Morrissey_19:

(Start: 160 @16032 has 11 MA's), (Start: 168 @16044 has 11 MA's), (191, 16077), (230, 16131), (299, 16308), (363, 16482), (422, 16599), (440, 16638), (455, 16680), (474, 16752), (483, 16785), (520, 16839), (532, 16878), (537, 16899), (583, 17016), (602, 17058), (605, 17076), (612, 17088), (622, 17118), (670, 17202), (674, 17217), (676, 17226), (689, 17274), (759, 17484), (801, 17592),

Gene: MortyNRick_19 Start: 16293, Stop: 18002, Start Num: 147

Candidate Starts for MortyNRick_19:

(Start: 147 @16293 has 24 MA's), (157, 16305), (159, 16308), (226, 16410), (Start: 244 @16446 has 1 MA's), (266, 16512), (318, 16656), (322, 16665), (331, 16683), (346, 16725), (348, 16731), (355, 16755), (362, 16779), (382, 16830), (384, 16836), (393, 16866), (433, 16908), (440, 16929), (443, 16935), (450, 16959), (463, 17010), (464, 17013), (471, 17043), (539, 17193), (550, 17229), (596, 17355), (620, 17421), (622, 17430), (625, 17442), (628, 17451), (672, 17544), (677, 17565), (679, 17577), (681, 17583), (683, 17589), (685, 17595), (699, 17649), (707, 17679), (727, 17748), (757, 17835), (759, 17841), (776, 17892), (808, 17979), (814, 17997),

Gene: MosMoris_48 Start: 26580, Stop: 28292, Start Num: 131

Candidate Starts for MosMoris_48:

(90, 26517), (Start: 131 @26580 has 77 MA's), (196, 26661), (237, 26718), (262, 26799), (266, 26805), (291, 26862), (295, 26874), (299, 26886), (313, 26925), (317, 26940), (346, 27009), (362, 27063), (366, 27072), (443, 27228), (458, 27276), (460, 27285), (463, 27294), (473, 27333), (477, 27348), (517, 27411), (520, 27423), (556, 27540), (557, 27543), (575, 27594), (586, 27621), (587, 27624), (593, 27645), (607, 27687), (665, 27807), (672, 27825), (709, 27969), (723, 28014), (727, 28032), (756, 28116), (759, 28125), (764, 28143), (771, 28164), (794, 28209), (796, 28215), (800, 28227),

(803, 28239), (808, 28260), (813, 28275), (815, 28281),

Gene: Mosby_23 Start: 19337, Stop: 20932, Start Num: 203

Candidate Starts for Mosby_23:

(Start: 137 @19253 has 79 MA's), (Start: 203 @19337 has 47 MA's), (Start: 244 @19415 has 1 MA's), (274, 19502), (287, 19517), (309, 19565), (321, 19604), (353, 19691), (365, 19724), (379, 19760), (388, 19790), (390, 19796), (409, 19865), (435, 19895), (438, 19907), (439, 19910), (458, 19967), (518, 20099), (519, 20105), (538, 20171), (541, 20177), (549, 20201), (568, 20249), (578, 20273), (582, 20282), (606, 20357), (643, 20408), (650, 20423), (698, 20585), (704, 20612), (713, 20642), (747, 20747), (786, 20825), (797, 20861), (800, 20870), (808, 20903), (813, 20918),

Gene: Mova_17 Start: 14657, Stop: 16366, Start Num: 129

Candidate Starts for Mova_17:

(Start: 129 @14657 has 207 MA's), (205, 14744), (Start: 232 @14789 has 2 MA's), (242, 14813), (279, 14918), (287, 14924), (294, 14942), (309, 14972), (347, 15077), (367, 15137), (376, 15158), (379, 15167), (387, 15191), (406, 15266), (432, 15317), (437, 15332), (439, 15338), (452, 15374), (453, 15377), (457, 15389), (458, 15395), (469, 15443), (474, 15455), (475, 15461), (517, 15521), (520, 15533), (531, 15569), (533, 15581), (565, 15656), (568, 15665), (575, 15683), (578, 15689), (590, 15719), (639, 15824), (643, 15833), (645, 15836), (659, 15872), (680, 15950), (706, 16049), (713, 16070), (723, 16103), (734, 16133), (743, 16163), (746, 16172), (748, 16178), (757, 16193), (758, 16196), (765, 16220), (782, 16250), (790, 16262), (797, 16292), (808, 16334),

Gene: Mowgli_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Mowgli_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Mozy_17 Start: 14705, Stop: 16414, Start Num: 129

Candidate Starts for Mozy_17:

(Start: 129 @14705 has 207 MA's), (219, 14813), (Start: 232 @14837 has 2 MA's), (242, 14861), (248, 14882), (258, 14918), (265, 14936), (266, 14939), (287, 14972), (294, 14990), (309, 15020), (347, 15125), (367, 15185), (376, 15206), (379, 15215), (387, 15239), (398, 15281), (406, 15314), (425, 15347), (432, 15365), (437, 15380), (439, 15386), (452, 15422), (453, 15425), (457, 15437), (458, 15443), (467, 15473), (469, 15491), (474, 15503), (475, 15509), (517, 15569), (531, 15617), (533, 15629), (565, 15704), (568, 15713), (578, 15737), (590, 15767), (639, 15872), (645, 15884), (659, 15920), (671, 15959), (680, 15998), (713, 16118), (723, 16151), (734, 16181), (743, 16211), (745, 16217), (746, 16220), (748, 16226), (757, 16241), (758, 16244), (764, 16265), (765, 16268), (790, 16310), (797, 16340), (808, 16382),

Gene: MrMagoo_32 Start: 22870, Stop: 24651, Start Num: 86

Candidate Starts for MrMagoo_32:

(Start: 86 @22870 has 4 MA's), (Start: 93 @22885 has 2 MA's), (Start: 114 @22912 has 15 MA's), (182, 22990), (188, 22996), (201, 23014), (280, 23176), (285, 23185), (289, 23200), (320, 23287), (327, 23299), (331, 23308), (362, 23404), (368, 23416), (379, 23446), (380, 23449), (390, 23482), (454, 23611), (458, 23626), (463, 23644), (469, 23674), (536, 23836), (539, 23845), (543, 23857), (545, 23863), (579, 23962), (583, 23971), (586, 23980), (610, 24049), (649, 24142), (670, 24181), (672, 24187), (674, 24196), (785, 24541), (794, 24568), (796, 24574), (808, 24619),

Gene: Ms6_16 Start: 14816, Stop: 16525, Start Num: 129

Candidate Starts for Ms6_16:

(Start: 129 @14816 has 207 MA's), (205, 14903), (Start: 232 @14948 has 2 MA's), (242, 14972), (279, 15077), (287, 15083), (294, 15101), (309, 15131), (347, 15236), (367, 15296), (376, 15317), (379, 15326), (387, 15350), (432, 15476), (437, 15491), (439, 15497), (452, 15533), (453, 15536), (457, 15548), (458, 15554), (469, 15602), (474, 15614), (475, 15620), (517, 15680), (520, 15692), (531, 15728), (533, 15740), (565, 15815), (568, 15824), (575, 15842), (578, 15848), (590, 15878), (639, 15983), (643, 15992), (645, 15995), (659, 16031), (680, 16109), (706, 16208), (713, 16229), (723, 16262), (734, 16292), (743, 16322), (746, 16331), (748, 16337), (757, 16352), (758, 16355), (765, 16379), (782, 16409), (790, 16421), (797, 16451), (808, 16493),

Gene: MsGreen_19 Start: 17373, Stop: 19136, Start Num: 98

Candidate Starts for MsGreen_19:

(Start: 98 @17373 has 41 MA's), (Start: 120 @17400 has 139 MA's), (174, 17463), (Start: 207 @17511 has 1 MA's), (210, 17517), (239, 17553), (262, 17628), (274, 17652), (278, 17658), (299, 17715), (344, 17829), (347, 17841), (385, 17952), (455, 18096), (458, 18108), (468, 18141), (543, 18330), (545, 18336), (563, 18393), (579, 18435), (583, 18444), (587, 18456), (613, 18531), (635, 18600), (638, 18612), (672, 18660), (689, 18726), (709, 18804), (723, 18849), (744, 18906), (764, 18969), (777, 19005), (785, 19020), (794, 19050), (796, 19056), (800, 19068), (802, 19077), (805, 19089),

Gene: Muddy_21 Start: 16213, Stop: 18063, Start Num: 82

Candidate Starts for Muddy_21:

(67, 16177), (Start: 82 @16213 has 4 MA's), (Start: 145 @16291 has 2 MA's), (190, 16351), (Start: 232 @16417 has 2 MA's), (251, 16468), (255, 16483), (256, 16486), (369, 16792), (388, 16849), (391, 16858), (407, 16897), (409, 16900), (432, 16963), (439, 16984), (459, 17047), (462, 17056), (467, 17071), (472, 17095), (519, 17206), (531, 17245), (536, 17266), (549, 17302), (550, 17305), (569, 17347), (575, 17362), (578, 17368), (689, 17677), (691, 17686), (693, 17692), (697, 17704), (704, 17734), (711, 17758), (756, 17878), (774, 17935), (807, 18022), (809, 18031),

Gene: Mufasa_19 Start: 15033, Stop: 16802, Start Num: 117

Candidate Starts for Mufasa_19:

(Start: 95 @14997 has 1 MA's), (Start: 111 @15027 has 26 MA's), (Start: 117 @15033 has 41 MA's), (Start: 142 @15048 has 43 MA's), (177, 15090), (210, 15138), (Start: 232 @15177 has 2 MA's), (237, 15192), (255, 15243), (265, 15273), (280, 15306), (287, 15318), (295, 15336), (315, 15408), (317, 15414), (353, 15510), (358, 15522), (391, 15618), (439, 15711), (446, 15729), (454, 15753), (456, 15759), (467, 15798), (472, 15822), (475, 15834), (517, 15924), (519, 15933), (534, 15987), (545, 16017), (586, 16128), (604, 16179), (637, 16287), (685, 16401), (688, 16410), (707, 16485), (723, 16536), (725, 16542), (761, 16638), (789, 16692), (809, 16773), (817, 16794),

Gene: Mulch_22 Start: 17344, Stop: 19050, Start Num: 172

Candidate Starts for Mulch_22:

(Start: 106 @17269 has 2 MA's), (Start: 172 @17344 has 16 MA's), (Start: 232 @17437 has 2 MA's), (237, 17452), (239, 17458), (264, 17533), (296, 17605), (332, 17716), (348, 17761), (353, 17779), (358, 17791), (437, 17962), (440, 17971), (443, 17977), (454, 18010), (470, 18073), (483, 18124), (504, 18148), (516, 18172), (537, 18247), (551, 18286), (602, 18418), (637, 18532), (676, 18619), (706, 18733), (709, 18742), (746, 18847), (783, 18934), (817, 19042),

Gene: MulchExplorer_19 Start: 15928, Stop: 17637, Start Num: 129

Candidate Starts for MulchExplorer_19:

(Start: 129 @15928 has 207 MA's), (205, 16015), (Start: 232 @16060 has 2 MA's), (242, 16084), (279, 16189), (287, 16195), (294, 16213), (309, 16243), (347, 16348), (349, 16354), (367, 16408), (371, 16417), (376, 16429), (379, 16438), (387, 16462), (411, 16549), (424, 16564), (432, 16588), (437, 16603), (439, 16609), (452, 16645), (453, 16648), (457, 16660), (458, 16666), (469, 16714), (474, 16726), (475, 16732), (517, 16792), (520, 16804), (531, 16840), (533, 16852), (541, 16873), (565,

16927), (568, 16936), (575, 16954), (578, 16960), (590, 16990), (639, 17095), (643, 17104), (645, 17107), (659, 17143), (678, 17209), (680, 17221), (706, 17320), (713, 17341), (723, 17374), (734, 17404), (743, 17434), (746, 17443), (748, 17449), (757, 17464), (758, 17467), (765, 17491), (782, 17521), (790, 17533), (797, 17563), (808, 17605),

Gene: MulchSalad_16 Start: 14726, Stop: 16435, Start Num: 129

Candidate Starts for MulchSalad_16:

(Start: 129 @14726 has 207 MA's), (205, 14813), (219, 14834), (Start: 232 @14858 has 2 MA's), (242, 14882), (279, 14987), (287, 14993), (294, 15011), (297, 15020), (309, 15041), (347, 15146), (364, 15200), (367, 15206), (376, 15227), (379, 15236), (387, 15260), (432, 15386), (437, 15401), (439, 15407), (447, 15428), (452, 15443), (453, 15446), (457, 15458), (458, 15464), (469, 15512), (474, 15524), (475, 15530), (517, 15590), (520, 15602), (531, 15638), (533, 15650), (565, 15725), (568, 15734), (575, 15752), (578, 15758), (590, 15788), (639, 15893), (643, 15902), (645, 15905), (659, 15941), (680, 16019), (706, 16118), (713, 16139), (723, 16172), (734, 16202), (743, 16232), (746, 16241), (748, 16247), (757, 16262), (758, 16265), (764, 16286), (765, 16289), (790, 16331), (808, 16403),

Gene: MunkgeeRoachy_18 Start: 15780, Stop: 17477, Start Num: 154

Candidate Starts for MunkgeeRoachy_18:

(Start: 150 @15777 has 7 MA's), (Start: 154 @15780 has 33 MA's), (265, 15990), (308, 16089), (313, 16113), (334, 16164), (362, 16251), (375, 16281), (380, 16296), (384, 16308), (432, 16386), (436, 16398), (446, 16425), (454, 16458), (463, 16491), (467, 16503), (477, 16545), (535, 16668), (558, 16740), (587, 16818), (591, 16833), (599, 16851), (620, 16908), (666, 17001), (677, 17037), (679, 17049), (681, 17055), (685, 17067), (688, 17076), (706, 17148), (707, 17151), (709, 17157), (713, 17169), (731, 17229), (748, 17274), (751, 17283), (759, 17316), (790, 17382),

Gene: Murai_57 Start: 33688, Stop: 35433, Start Num: 104

Candidate Starts for Murai_57:

(Start: 104 @33688 has 2 MA's), (Start: 109 @33697 has 26 MA's), (Start: 184 @33787 has 1 MA's), (248, 33904), (258, 33940), (266, 33961), (279, 33988), (287, 33994), (298, 34024), (311, 34048), (329, 34099), (379, 34237), (381, 34243), (395, 34294), (396, 34297), (401, 34315), (432, 34366), (439, 34387), (440, 34390), (457, 34438), (458, 34444), (469, 34492), (472, 34498), (474, 34504), (507, 34564), (517, 34588), (518, 34591), (531, 34636), (534, 34651), (537, 34660), (541, 34669), (557, 34714), (568, 34732), (582, 34765), (645, 34903), (654, 34924), (674, 34990), (681, 35020), (696, 35074), (706, 35116), (713, 35137), (719, 35158), (723, 35170), (730, 35191), (748, 35245), (786, 35323), (797, 35359), (803, 35380), (809, 35407),

Gene: Murica_23 Start: 19814, Stop: 21409, Start Num: 203

Candidate Starts for Murica_23:

(Start: 137 @19730 has 79 MA's), (Start: 203 @19814 has 47 MA's), (Start: 244 @19892 has 1 MA's), (274, 19979), (287, 19994), (309, 20042), (321, 20081), (353, 20168), (365, 20201), (379, 20237), (388, 20267), (390, 20273), (409, 20342), (435, 20372), (438, 20384), (439, 20387), (458, 20444), (518, 20576), (519, 20582), (538, 20648), (541, 20654), (549, 20678), (568, 20726), (578, 20750), (582, 20759), (606, 20834), (643, 20885), (650, 20900), (698, 21062), (704, 21089), (713, 21119), (747, 21224), (786, 21302), (797, 21338), (800, 21347), (808, 21380), (813, 21395),

Gene: Murp_19 Start: 16718, Stop: 18364, Start Num: 171

Candidate Starts for Murp_19:

(143, 16682), (Start: 171 @16718 has 46 MA's), (237, 16820), (262, 16898), (309, 16997), (319, 17036), (354, 17117), (375, 17171), (380, 17186), (390, 17219), (423, 17267), (427, 17270), (458, 17357), (467, 17387), (541, 17570), (549, 17594), (583, 17678), (605, 17738), (612, 17750), (631, 17810), (678, 17945), (704, 18044), (709, 18062), (725, 18113), (748, 18173), (750, 18179), (772, 18242), (782, 18254),

Gene: Murphy_25 Start: 19809, Stop: 21404, Start Num: 203

Candidate Starts for Murphy_25:

(Start: 137 @19725 has 79 MA's), (Start: 203 @19809 has 47 MA's), (Start: 244 @19887 has 1 MA's), (274, 19974), (287, 19989), (309, 20037), (321, 20076), (353, 20163), (365, 20196), (379, 20232), (388, 20262), (390, 20268), (409, 20337), (435, 20367), (438, 20379), (439, 20382), (458, 20439), (518, 20571), (519, 20577), (538, 20643), (541, 20649), (549, 20673), (568, 20721), (578, 20745), (582, 20754), (606, 20829), (643, 20880), (650, 20895), (698, 21057), (704, 21084), (713, 21114), (747, 21219), (786, 21297), (797, 21333), (800, 21342), (808, 21375), (813, 21390),

Gene: Murucutumbu_23 Start: 17106, Stop: 18872, Start Num: 120

Candidate Starts for Murucutumbu_23:

(Start: 120 @17106 has 139 MA's), (Start: 148 @17136 has 2 MA's), (245, 17295), (255, 17328), (265, 17358), (280, 17391), (287, 17403), (315, 17493), (330, 17529), (333, 17535), (358, 17607), (360, 17616), (376, 17655), (390, 17700), (397, 17721), (398, 17724), (439, 17796), (454, 17838), (456, 17844), (463, 17871), (472, 17907), (517, 18009), (521, 18027), (540, 18087), (551, 18117), (564, 18144), (604, 18249), (633, 18339), (666, 18408), (677, 18444), (685, 18474), (707, 18558), (723, 18609), (761, 18708), (786, 18759), (809, 18843), (810, 18846), (817, 18864),

Gene: Mutaforma13_16 Start: 14853, Stop: 16562, Start Num: 129

Candidate Starts for Mutaforma13_16:

(Start: 129 @14853 has 207 MA's), (205, 14940), (Start: 232 @14985 has 2 MA's), (242, 15009), (279, 15114), (287, 15120), (294, 15138), (309, 15168), (347, 15273), (367, 15333), (376, 15354), (379, 15363), (385, 15381), (387, 15387), (406, 15462), (407, 15465), (432, 15513), (437, 15528), (439, 15534), (452, 15570), (453, 15573), (457, 15585), (458, 15591), (469, 15639), (474, 15651), (475, 15657), (517, 15717), (520, 15729), (531, 15765), (533, 15777), (565, 15852), (568, 15861), (575, 15879), (578, 15885), (590, 15915), (639, 16020), (643, 16029), (645, 16032), (659, 16068), (680, 16146), (706, 16245), (713, 16266), (723, 16299), (734, 16329), (743, 16359), (746, 16368), (748, 16374), (757, 16389), (758, 16392), (765, 16416), (782, 16446), (790, 16458), (797, 16488), (808, 16530),

Gene: Mynx_23 Start: 17171, Stop: 18937, Start Num: 120

Candidate Starts for Mynx_23:

(Start: 120 @17171 has 139 MA's), (Start: 148 @17201 has 2 MA's), (245, 17360), (255, 17393), (265, 17423), (280, 17456), (287, 17468), (315, 17558), (333, 17600), (358, 17672), (360, 17681), (376, 17720), (390, 17765), (397, 17786), (398, 17789), (433, 17843), (439, 17861), (454, 17903), (456, 17909), (463, 17936), (486, 18023), (517, 18074), (521, 18092), (533, 18134), (540, 18152), (551, 18182), (564, 18209), (604, 18314), (666, 18473), (677, 18509), (685, 18539), (688, 18548), (707, 18623), (723, 18674), (800, 18869), (809, 18908), (810, 18911), (817, 18929),

Gene: Myrale_24 Start: 19616, Stop: 21295, Start Num: 137

Candidate Starts for Myrale_24:

(Start: 137 @19616 has 79 MA's), (Start: 203 @19700 has 47 MA's), (Start: 244 @19778 has 1 MA's), (274, 19865), (287, 19880), (309, 19928), (321, 19967), (353, 20054), (365, 20087), (379, 20123), (388, 20153), (390, 20159), (409, 20228), (435, 20258), (438, 20270), (439, 20273), (458, 20330), (518, 20462), (519, 20468), (538, 20534), (541, 20540), (549, 20564), (568, 20612), (578, 20636), (582, 20645), (606, 20720), (643, 20771), (650, 20786), (698, 20948), (704, 20975), (713, 21005), (747, 21110), (786, 21188), (797, 21224), (800, 21233), (808, 21266), (813, 21281),

Gene: Nadeem_22 Start: 17344, Stop: 19050, Start Num: 172

Candidate Starts for Nadeem_22:

(Start: 106 @17269 has 2 MA's), (Start: 172 @17344 has 16 MA's), (Start: 232 @17437 has 2 MA's), (237, 17452), (239, 17458), (264, 17533), (296, 17605), (332, 17716), (348, 17761), (353, 17779),

(358, 17791), (437, 17962), (440, 17971), (443, 17977), (454, 18010), (470, 18073), (483, 18124), (504, 18148), (516, 18172), (537, 18247), (551, 18286), (602, 18418), (637, 18532), (676, 18619), (706, 18733), (709, 18742), (746, 18847), (783, 18934), (817, 19042),

Gene: NadineRae_41 Start: 27143, Stop: 28759, Start Num: 178

Candidate Starts for NadineRae_41:

(Start: 178 @27143 has 37 MA's), (Start: 187 @27155 has 8 MA's), (Start: 207 @27179 has 1 MA's), (245, 27257), (313, 27440), (338, 27497), (342, 27509), (346, 27524), (369, 27590), (375, 27605), (383, 27629), (413, 27716), (428, 27722), (438, 27746), (458, 27806), (467, 27836), (471, 27857), (524, 27962), (531, 27983), (567, 28070), (586, 28118), (627, 28244), (637, 28280), (706, 28445), (712, 28463), (723, 28499), (793, 28673), (797, 28685), (813, 28742),

Gene: Nairb_19 Start: 16980, Stop: 18686, Start Num: 133

Candidate Starts for Nairb_19:

(68, 16872), (75, 16884), (Start: 133 @16980 has 7 MA's), (188, 17046), (Start: 244 @17121 has 1 MA's), (246, 17127), (274, 17211), (296, 17265), (312, 17310), (313, 17313), (341, 17379), (458, 17664), (543, 17886), (607, 18075), (672, 18213), (675, 18225), (723, 18402), (736, 18438), (794, 18603), (802, 18630), (813, 18669), (815, 18675),

Gene: Nala_24 Start: 19856, Stop: 21451, Start Num: 203

Candidate Starts for Nala_24:

(Start: 137 @19772 has 79 MA's), (Start: 203 @19856 has 47 MA's), (Start: 244 @19934 has 1 MA's), (274, 20021), (287, 20036), (309, 20084), (321, 20123), (353, 20210), (365, 20243), (379, 20279), (388, 20309), (390, 20315), (409, 20384), (435, 20414), (438, 20426), (439, 20429), (458, 20486), (518, 20618), (519, 20624), (538, 20690), (541, 20696), (549, 20720), (568, 20768), (578, 20792), (582, 20801), (606, 20876), (643, 20927), (650, 20942), (698, 21104), (704, 21131), (713, 21161), (747, 21266), (786, 21344), (797, 21380), (800, 21389), (808, 21422), (813, 21437),

Gene: NancyRae_22 Start: 17350, Stop: 19056, Start Num: 172

Candidate Starts for NancyRae_22:

(Start: 106 @17275 has 2 MA's), (Start: 172 @17350 has 16 MA's), (Start: 232 @17443 has 2 MA's), (237, 17458), (239, 17464), (264, 17539), (296, 17611), (332, 17722), (348, 17767), (353, 17785), (358, 17797), (437, 17968), (440, 17977), (443, 17983), (454, 18016), (470, 18079), (483, 18130), (504, 18154), (516, 18178), (537, 18253), (546, 18277), (551, 18292), (602, 18424), (637, 18538), (676, 18625), (706, 18739), (709, 18748), (746, 18853), (783, 18940), (817, 19048),

Gene: Nanosmite_32 Start: 22784, Stop: 24520, Start Num: 114

Candidate Starts for Nanosmite_32:

(Start: 86 @22742 has 4 MA's), (Start: 93 @22757 has 2 MA's), (Start: 114 @22784 has 15 MA's), (132, 22799), (Start: 167 @22838 has 53 MA's), (188, 22868), (191, 22874), (201, 22886), (280, 23045), (316, 23144), (320, 23156), (327, 23168), (331, 23177), (346, 23219), (362, 23273), (379, 23315), (380, 23318), (451, 23471), (458, 23495), (476, 23564), (496, 23606), (529, 23675), (536, 23705), (539, 23714), (544, 23729), (556, 23768), (579, 23831), (583, 23840), (586, 23849), (610, 23918), (612, 23924), (614, 23930), (670, 24050), (672, 24056), (785, 24410), (794, 24437), (800, 24455), (802, 24464),

Gene: NatB6_41 Start: 29876, Stop: 31489, Start Num: 178

Candidate Starts for NatB6_41:

(Start: 178 @29876 has 37 MA's), (Start: 207 @29912 has 1 MA's), (216, 29930), (245, 29990), (338, 30230), (342, 30242), (346, 30257), (369, 30323), (375, 30338), (383, 30362), (384, 30365), (413, 30449), (438, 30479), (439, 30482), (458, 30539), (469, 30587), (471, 30590), (477, 30611), (531, 30716), (549, 30761), (567, 30803), (627, 30977), (636, 31007), (637, 31013), (691, 31121), (692, 31124), (713, 31199), (797, 31418), (813, 31475),

Gene: Natkenzie_35 Start: 30775, Stop: 32376, Start Num: 185

Candidate Starts for Natkenzie_35:

(Start: 166 @30754 has 18 MA's), (185, 30775), (194, 30787), (230, 30838), (253, 30901), (280, 30973), (315, 31060), (338, 31111), (347, 31141), (376, 31222), (385, 31249), (440, 31348), (451, 31378), (454, 31387), (463, 31420), (464, 31423), (465, 31426), (468, 31435), (479, 31483), (517, 31531), (519, 31540), (550, 31639), (566, 31678), (572, 31690), (613, 31807), (625, 31846), (648, 31885), (676, 31942), (687, 31981), (689, 31990), (702, 32047), (705, 32059), (723, 32116), (725, 32122), (733, 32143), (746, 32176), (761, 32221), (808, 32350), (810, 32359),

Gene: Nazo_18 Start: 16129, Stop: 17865, Start Num: 125

Candidate Starts for Nazo_18:

(Start: 125 @16129 has 46 MA's), (190, 16213), (251, 16327), (253, 16333), (258, 16354), (265, 16372), (280, 16405), (295, 16429), (353, 16588), (355, 16594), (394, 16708), (409, 16765), (429, 16804), (432, 16810), (440, 16834), (458, 16888), (461, 16900), (464, 16909), (479, 16969), (512, 17014), (522, 17047), (533, 17086), (545, 17119), (549, 17131), (568, 17185), (587, 17233), (597, 17263), (602, 17275), (656, 17377), (662, 17389), (663, 17392), (664, 17398), (665, 17407), (696, 17515), (719, 17599), (752, 17698), (782, 17755), (813, 17854),

Gene: Nebkiss_17 Start: 15060, Stop: 16949, Start Num: 103

Candidate Starts for Nebkiss_17:

(Start: 103 @15060 has 2 MA's), (108, 15069), (126, 15090), (Start: 184 @15159 has 1 MA's), (198, 15177), (210, 15195), (237, 15249), (251, 15285), (255, 15300), (256, 15303), (280, 15363), (313, 15456), (330, 15501), (333, 15507), (337, 15513), (344, 15534), (347, 15546), (362, 15594), (378, 15633), (379, 15636), (380, 15639), (391, 15675), (397, 15693), (410, 15720), (415, 15729), (439, 15768), (446, 15786), (460, 15834), (471, 15876), (486, 15930), (487, 15936), (488, 15942), (502, 15972), (505, 16011), (506, 16020), (516, 16044), (518, 16050), (545, 16140), (550, 16155), (575, 16221), (587, 16251), (604, 16299), (612, 16323), (613, 16326), (622, 16353), (640, 16413), (650, 16434), (658, 16455), (674, 16503), (677, 16515), (689, 16560), (704, 16620), (736, 16716), (738, 16722), (746, 16746), (750, 16758), (756, 16767), (761, 16785), (786, 16836), (801, 16884), (803, 16893), (805, 16902), (807, 16911), (808, 16914), (817, 16941),

Gene: Necropolis_19 Start: 16385, Stop: 18121, Start Num: 125

Candidate Starts for Necropolis_19:

(Start: 106 @16361 has 2 MA's), (Start: 125 @16385 has 46 MA's), (175, 16445), (189, 16466), (190, 16469), (253, 16589), (265, 16628), (280, 16661), (295, 16685), (342, 16805), (353, 16844), (355, 16850), (385, 16934), (387, 16940), (390, 16952), (396, 16976), (403, 17003), (409, 17021), (429, 17060), (432, 17066), (440, 17090), (458, 17144), (461, 17156), (464, 17165), (479, 17225), (522, 17303), (533, 17342), (545, 17375), (568, 17441), (574, 17456), (578, 17465), (587, 17489), (597, 17519), (602, 17531), (656, 17633), (662, 17645), (663, 17648), (664, 17654), (665, 17663), (696, 17771), (719, 17855), (752, 17954), (800, 18062), (813, 18110),

Gene: Nekros_34 Start: 27091, Stop: 28824, Start Num: 131

Candidate Starts for Nekros_34:

(Start: 131 @27091 has 77 MA's), (Start: 203 @27181 has 47 MA's), (205, 27184), (251, 27286), (274, 27352), (295, 27388), (310, 27418), (313, 27433), (344, 27514), (345, 27517), (355, 27553), (365, 27580), (380, 27619), (390, 27652), (393, 27661), (407, 27718), (428, 27760), (455, 27835), (458, 27847), (474, 27907), (475, 27913), (506, 27961), (518, 27991), (522, 28009), (526, 28018), (534, 28051), (538, 28063), (541, 28069), (554, 28108), (578, 28165), (650, 28315), (656, 28333), (670, 28375), (676, 28399), (677, 28402), (680, 28417), (689, 28447), (698, 28477), (713, 28534), (766, 28681), (767, 28684), (813, 28810),

Gene: NelitzaMV_24 Start: 19899, Stop: 21494, Start Num: 203

Candidate Starts for NelitzaMV_24:

(Start: 137 @19815 has 79 MA's), (Start: 203 @19899 has 47 MA's), (Start: 244 @19977 has 1 MA's), (274, 20064), (287, 20079), (309, 20127), (321, 20166), (353, 20253), (365, 20286), (379, 20322), (388, 20352), (390, 20358), (409, 20427), (435, 20457), (438, 20469), (439, 20472), (458, 20529), (518, 20661), (519, 20667), (538, 20733), (541, 20739), (549, 20763), (568, 20811), (578, 20835), (582, 20844), (606, 20919), (643, 20970), (650, 20985), (698, 21147), (704, 21174), (713, 21204), (747, 21309), (786, 21387), (797, 21423), (800, 21432), (808, 21465), (813, 21480),

Gene: Nенаe_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Nенаe_18:

(Start: 134 @14993 has 43 MA's), (161, 15020), (189, 15059), (Start: 232 @15125 has 2 MA's), (236, 15137), (249, 15173), (256, 15197), (265, 15224), (274, 15245), (279, 15254), (287, 15260), (299, 15293), (364, 15467), (367, 15473), (371, 15482), (375, 15491), (379, 15503), (387, 15527), (398, 15569), (406, 15602), (432, 15653), (433, 15656), (437, 15668), (452, 15710), (457, 15725), (458, 15731), (469, 15779), (493, 15833), (517, 15857), (537, 15929), (557, 15983), (565, 15992), (568, 16001), (578, 16025), (589, 16052), (590, 16055), (639, 16160), (643, 16169), (659, 16208), (681, 16289), (697, 16346), (706, 16385), (743, 16499), (757, 16529), (758, 16532), (765, 16556), (786, 16592),

Gene: Neobush_19 Start: 17773, Stop: 19371, Start Num: 167

Candidate Starts for Neobush_19:

(Start: 167 @17773 has 53 MA's), (299, 18022), (302, 18031), (309, 18049), (310, 18052), (327, 18106), (354, 18181), (380, 18250), (381, 18259), (385, 18271), (400, 18322), (406, 18349), (410, 18358), (411, 18361), (455, 18391), (456, 18394), (469, 18451), (513, 18517), (542, 18595), (553, 18628), (570, 18652), (584, 18688), (621, 18790), (637, 18847), (668, 18892), (671, 18898), (680, 18937), (750, 19177), (774, 19255),

Gene: Nergal_22 Start: 17111, Stop: 18910, Start Num: 84

Candidate Starts for Nergal_22:

(Start: 84 @17111 has 2 MA's), (91, 17126), (121, 17168), (124, 17171), (210, 17258), (230, 17291), (295, 17453), (326, 17552), (352, 17624), (362, 17654), (378, 17693), (390, 17732), (398, 17756), (465, 17903), (474, 17939), (494, 17993), (516, 18041), (533, 18104), (613, 18314), (624, 18350), (679, 18491), (688, 18518), (709, 18599), (733, 18671), (747, 18707), (756, 18725), (798, 18833), (806, 18863), (809, 18878),

Gene: Nette_19 Start: 16799, Stop: 18505, Start Num: 133

Candidate Starts for Nette_19:

(34, 16397), (35, 16412), (37, 16421), (38, 16445), (54, 16592), (68, 16691), (97, 16754), (Start: 133 @16799 has 7 MA's), (188, 16865), (274, 17030), (282, 17045), (296, 17084), (297, 17087), (312, 17129), (313, 17132), (341, 17198), (343, 17204), (437, 17420), (458, 17483), (481, 17573), (517, 17618), (536, 17684), (543, 17705), (544, 17708), (558, 17753), (607, 17894), (671, 18029), (672, 18032), (681, 18071), (723, 18221), (736, 18257), (790, 18401), (794, 18422), (802, 18449), (813, 18488),

Gene: Nettuno_17 Start: 14697, Stop: 16406, Start Num: 169

Candidate Starts for Nettuno_17:

(Start: 169 @14697 has 31 MA's), (238, 14814), (260, 14886), (295, 14964), (340, 15087), (346, 15108), (370, 15177), (372, 15180), (388, 15237), (410, 15312), (431, 15366), (455, 15447), (469, 15507), (472, 15513), (556, 15672), (570, 15690), (576, 15705), (585, 15729), (613, 15801), (614, 15804), (621, 15825), (701, 16059), (705, 16074), (718, 16116), (749, 16209), (750, 16212), (764, 16260), (774, 16290), (800, 16347),

Gene: Netyap_18 Start: 16989, Stop: 18722, Start Num: 131

Candidate Starts for Netyap_18:

(Start: 131 @16989 has 77 MA's), (188, 17058), (261, 17199), (262, 17202), (285, 17247), (296, 17280), (299, 17289), (312, 17325), (334, 17379), (344, 17406), (347, 17418), (362, 17469), (365, 17475), (378, 17508), (451, 17661), (458, 17685), (460, 17694), (472, 17739), (476, 17754), (517, 17832), (553, 17952), (575, 18015), (601, 18087), (614, 18123), (670, 18243), (672, 18249), (675, 18261), (691, 18324), (715, 18411), (723, 18438), (748, 18507), (754, 18522), (757, 18534), (764, 18558), (794, 18636),

Gene: Neville_28 Start: 23300, Stop: 25042, Start Num: 122

Candidate Starts for Neville_28:

(78, 23222), (Start: 109 @23285 has 26 MA's), (Start: 122 @23300 has 7 MA's), (141, 23312), (159, 23330), (188, 23372), (Start: 207 @23399 has 1 MA's), (246, 23456), (262, 23516), (295, 23591), (296, 23594), (299, 23603), (302, 23612), (312, 23651), (313, 23654), (335, 23708), (343, 23729), (353, 23765), (362, 23795), (376, 23828), (385, 23855), (408, 23915), (451, 23984), (454, 23993), (458, 24008), (467, 24038), (501, 24122), (547, 24248), (579, 24341), (587, 24362), (589, 24365), (613, 24437), (624, 24470), (631, 24491), (670, 24560), (672, 24566), (674, 24575), (704, 24692), (706, 24701), (725, 24761), (739, 24797), (744, 24812), (757, 24848), (759, 24854), (780, 24917), (794, 24959), (802, 24986), (806, 25001), (815, 25031),

Gene: Nibb_22 Start: 16431, Stop: 18197, Start Num: 120

Candidate Starts for Nibb_22:

(Start: 95 @16392 has 1 MA's), (Start: 111 @16422 has 26 MA's), (Start: 120 @16431 has 139 MA's), (Start: 148 @16461 has 2 MA's), (Start: 232 @16587 has 2 MA's), (237, 16602), (255, 16653), (280, 16716), (315, 16818), (317, 16824), (330, 16854), (358, 16932), (360, 16941), (376, 16980), (391, 17028), (397, 17046), (416, 17085), (417, 17088), (433, 17103), (439, 17121), (446, 17139), (454, 17163), (456, 17169), (463, 17196), (477, 17250), (517, 17334), (521, 17352), (583, 17514), (587, 17526), (604, 17574), (628, 17649), (640, 17688), (666, 17733), (676, 17766), (678, 17772), (685, 17799), (707, 17883), (723, 17934), (725, 17940), (761, 18033), (764, 18042), (800, 18129), (817, 18189),

Gene: Nicholas_19 Start: 17373, Stop: 19136, Start Num: 98

Candidate Starts for Nicholas_19:

(Start: 98 @17373 has 41 MA's), (Start: 120 @17400 has 139 MA's), (174, 17463), (Start: 207 @17511 has 1 MA's), (210, 17517), (239, 17553), (262, 17628), (274, 17652), (278, 17658), (299, 17715), (344, 17829), (347, 17841), (385, 17952), (455, 18096), (458, 18108), (468, 18141), (543, 18330), (545, 18336), (563, 18393), (579, 18435), (583, 18444), (587, 18456), (613, 18531), (635, 18600), (638, 18612), (672, 18660), (689, 18726), (709, 18804), (723, 18849), (744, 18906), (764, 18969), (777, 19005), (785, 19020), (794, 19050), (796, 19056), (800, 19068), (802, 19077), (805, 19089),

Gene: Nicholasp3_18 Start: 16994, Stop: 18727, Start Num: 131

Candidate Starts for Nicholasp3_18:

(Start: 131 @16994 has 77 MA's), (188, 17063), (261, 17204), (262, 17207), (285, 17252), (296, 17285), (299, 17294), (312, 17330), (334, 17384), (344, 17411), (347, 17423), (362, 17474), (365, 17480), (378, 17513), (451, 17666), (458, 17690), (460, 17699), (472, 17744), (476, 17759), (517, 17837), (553, 17957), (575, 18020), (601, 18092), (614, 18128), (670, 18248), (672, 18254), (675, 18266), (691, 18329), (715, 18416), (723, 18443), (748, 18512), (754, 18527), (757, 18539), (764, 18563), (794, 18641),

Gene: NiebruSaylor_55 Start: 32904, Stop: 34640, Start Num: 109

Candidate Starts for NiebruSaylor_55:

(Start: 104 @32895 has 2 MA's), (Start: 109 @32904 has 26 MA's), (Start: 184 @32994 has 1 MA's), (248, 33111), (258, 33147), (266, 33168), (279, 33195), (287, 33201), (298, 33231), (311, 33255), (329, 33306), (379, 33444), (381, 33450), (395, 33501), (396, 33504), (401, 33522), (432, 33573),

(439, 33594), (440, 33597), (457, 33645), (458, 33651), (469, 33699), (472, 33705), (474, 33711), (507, 33771), (517, 33795), (518, 33798), (531, 33843), (534, 33858), (537, 33867), (541, 33876), (557, 33921), (568, 33939), (582, 33972), (645, 34110), (654, 34131), (674, 34197), (681, 34227), (696, 34281), (706, 34323), (713, 34344), (719, 34365), (723, 34377), (730, 34398), (748, 34452), (786, 34530), (797, 34566), (803, 34587), (809, 34614),

Gene: Nikao_19 Start: 16697, Stop: 18463, Start Num: 120

Candidate Starts for Nikao_19:

(Start: 120 @16697 has 139 MA's), (Start: 125 @16703 has 46 MA's), (Start: 148 @16727 has 2 MA's), (Start: 232 @16853 has 2 MA's), (237, 16868), (245, 16886), (265, 16949), (315, 17084), (317, 17090), (358, 17198), (360, 17207), (397, 17312), (437, 17381), (439, 17387), (452, 17423), (456, 17435), (472, 17498), (517, 17600), (521, 17618), (533, 17660), (534, 17663), (578, 17768), (604, 17840), (637, 17948), (640, 17954), (666, 17999), (681, 18053), (688, 18074), (707, 18149), (723, 18200), (761, 18299), (766, 18314), (786, 18350), (800, 18395), (809, 18434), (810, 18437), (817, 18455),

Gene: Niklas_23 Start: 16517, Stop: 18283, Start Num: 120

Candidate Starts for Niklas_23:

(Start: 111 @16508 has 26 MA's), (Start: 120 @16517 has 139 MA's), (Start: 125 @16523 has 46 MA's), (Start: 148 @16547 has 2 MA's), (177, 16586), (Start: 232 @16673 has 2 MA's), (237, 16688), (245, 16706), (255, 16739), (315, 16904), (330, 16940), (358, 17018), (360, 17027), (397, 17132), (398, 17135), (417, 17174), (437, 17201), (439, 17207), (454, 17249), (456, 17255), (463, 17282), (517, 17420), (521, 17438), (551, 17528), (564, 17555), (578, 17588), (604, 17660), (622, 17714), (633, 17750), (640, 17774), (666, 17819), (676, 17852), (679, 17867), (685, 17885), (688, 17894), (707, 17969), (723, 18020), (725, 18026), (764, 18128), (809, 18254), (810, 18257), (817, 18275),

Gene: Nimbo_16 Start: 14808, Stop: 16517, Start Num: 129

Candidate Starts for Nimbo_16:

(Start: 129 @14808 has 207 MA's), (205, 14895), (Start: 232 @14940 has 2 MA's), (242, 14964), (279, 15069), (287, 15075), (294, 15093), (309, 15123), (347, 15228), (367, 15288), (376, 15309), (379, 15318), (387, 15342), (432, 15468), (437, 15483), (439, 15489), (452, 15525), (453, 15528), (457, 15540), (458, 15546), (469, 15594), (474, 15606), (475, 15612), (517, 15672), (520, 15684), (531, 15720), (533, 15732), (565, 15807), (568, 15816), (575, 15834), (578, 15840), (590, 15870), (639, 15975), (643, 15984), (645, 15987), (659, 16023), (680, 16101), (706, 16200), (713, 16221), (723, 16254), (734, 16284), (743, 16314), (746, 16323), (748, 16329), (757, 16344), (758, 16347), (764, 16368), (765, 16371), (790, 16413), (797, 16443), (808, 16485),

Gene: Nimrod_24 Start: 19991, Stop: 21670, Start Num: 137

Candidate Starts for Nimrod_24:

(Start: 137 @19991 has 79 MA's), (Start: 203 @20075 has 47 MA's), (Start: 244 @20153 has 1 MA's), (274, 20240), (287, 20255), (309, 20303), (321, 20342), (353, 20429), (365, 20462), (379, 20498), (388, 20528), (390, 20534), (409, 20603), (435, 20633), (438, 20645), (439, 20648), (458, 20705), (518, 20837), (519, 20843), (538, 20909), (541, 20915), (549, 20939), (568, 20987), (578, 21011), (582, 21020), (606, 21095), (643, 21146), (650, 21161), (698, 21323), (704, 21350), (713, 21380), (747, 21485), (786, 21563), (797, 21599), (800, 21608), (808, 21641), (813, 21656),

Gene: Nina_19 Start: 16774, Stop: 18471, Start Num: 154

Candidate Starts for Nina_19:

(Start: 150 @16771 has 7 MA's), (Start: 154 @16774 has 33 MA's), (265, 16984), (313, 17107), (334, 17158), (362, 17245), (366, 17254), (375, 17275), (380, 17290), (384, 17302), (432, 17380), (436, 17392), (446, 17419), (454, 17452), (463, 17485), (467, 17497), (477, 17539), (535, 17662), (558, 17734), (587, 17812), (591, 17827), (599, 17845), (620, 17902), (666, 17995), (677, 18031), (679, 18043), (681, 18049), (685, 18061), (688, 18070), (706, 18142), (707, 18145), (709, 18151), (713,

18163), (731, 18223), (748, 18268), (751, 18277), (759, 18310), (790, 18376),

Gene: Nitzel_17 Start: 15550, Stop: 17259, Start Num: 131

Candidate Starts for Nitzel_17:

(Start: 131 @15550 has 77 MA's), (Start: 232 @15682 has 2 MA's), (242, 15706), (245, 15715), (266, 15784), (287, 15817), (294, 15835), (297, 15844), (347, 15970), (367, 16030), (376, 16051), (379, 16060), (387, 16084), (398, 16126), (406, 16159), (407, 16162), (411, 16171), (424, 16186), (425, 16192), (432, 16210), (437, 16225), (439, 16231), (452, 16267), (453, 16270), (457, 16282), (458, 16288), (460, 16297), (469, 16336), (474, 16348), (531, 16462), (533, 16474), (546, 16507), (565, 16549), (568, 16558), (575, 16576), (578, 16582), (639, 16717), (645, 16729), (659, 16765), (680, 16843), (734, 17026), (742, 17053), (743, 17056), (746, 17065), (748, 17071), (757, 17086), (764, 17110), (765, 17113), (768, 17122), (790, 17155), (808, 17227),

Gene: Nivrat_16 Start: 14812, Stop: 16521, Start Num: 129

Candidate Starts for Nivrat_16:

(Start: 129 @14812 has 207 MA's), (205, 14899), (Start: 232 @14944 has 2 MA's), (242, 14968), (279, 15073), (287, 15079), (294, 15097), (309, 15127), (347, 15232), (364, 15286), (367, 15292), (371, 15301), (379, 15322), (387, 15346), (396, 15382), (398, 15388), (406, 15421), (407, 15424), (411, 15433), (424, 15448), (425, 15454), (432, 15472), (437, 15487), (439, 15493), (446, 15511), (447, 15514), (452, 15529), (457, 15544), (458, 15550), (469, 15598), (474, 15610), (475, 15616), (517, 15676), (520, 15688), (531, 15724), (533, 15736), (565, 15811), (568, 15820), (575, 15838), (578, 15844), (590, 15874), (639, 15979), (645, 15991), (659, 16027), (680, 16105), (713, 16225), (723, 16258), (734, 16288), (737, 16300), (743, 16318), (745, 16324), (746, 16327), (748, 16333), (757, 16348), (758, 16351), (764, 16372), (765, 16375), (790, 16417), (797, 16447), (808, 16489), (809, 16495),

Gene: NoShow_18 Start: 15497, Stop: 17335, Start Num: 82

Candidate Starts for NoShow_18:

(Start: 82 @15497 has 4 MA's), (Start: 184 @15614 has 1 MA's), (Start: 232 @15689 has 2 MA's), (237, 15704), (256, 15758), (274, 15806), (340, 15977), (365, 16055), (366, 16058), (376, 16082), (385, 16109), (411, 16178), (414, 16181), (425, 16229), (437, 16259), (439, 16265), (446, 16283), (447, 16286), (456, 16313), (459, 16328), (472, 16376), (475, 16388), (516, 16475), (520, 16490), (545, 16571), (569, 16628), (578, 16649), (586, 16670), (641, 16838), (687, 16940), (689, 16949), (697, 16976), (704, 17006), (723, 17069), (725, 17075), (761, 17168), (807, 17294), (809, 17303),

Gene: NoSleep_25 Start: 19485, Stop: 21164, Start Num: 137

Candidate Starts for NoSleep_25:

(Start: 137 @19485 has 79 MA's), (Start: 203 @19569 has 47 MA's), (Start: 244 @19647 has 1 MA's), (274, 19734), (287, 19749), (309, 19797), (321, 19836), (353, 19923), (365, 19956), (379, 19992), (388, 20022), (390, 20028), (409, 20097), (435, 20127), (438, 20139), (439, 20142), (458, 20199), (518, 20331), (519, 20337), (538, 20403), (541, 20409), (549, 20433), (568, 20481), (578, 20505), (582, 20514), (606, 20589), (643, 20640), (650, 20655), (698, 20817), (704, 20844), (713, 20874), (747, 20979), (786, 21057), (797, 21093), (800, 21102), (808, 21135), (813, 21150),

Gene: NormanBulbieJr_16 Start: 14800, Stop: 16509, Start Num: 129

Candidate Starts for NormanBulbieJr_16:

(Start: 129 @14800 has 207 MA's), (205, 14887), (Start: 232 @14932 has 2 MA's), (242, 14956), (279, 15061), (287, 15067), (294, 15085), (309, 15115), (347, 15220), (367, 15280), (376, 15301), (379, 15310), (387, 15334), (432, 15460), (437, 15475), (439, 15481), (452, 15517), (453, 15520), (457, 15532), (458, 15538), (469, 15586), (474, 15598), (475, 15604), (517, 15664), (520, 15676), (531, 15712), (533, 15724), (565, 15799), (568, 15808), (575, 15826), (578, 15832), (590, 15862), (639, 15967), (645, 15979), (659, 16015), (680, 16093), (706, 16192), (713, 16213), (723, 16246), (734, 16276), (737, 16288), (743, 16306), (745, 16312), (746, 16315), (748, 16321), (757, 16336), (758,

16339), (764, 16360), (765, 16363), (790, 16405), (797, 16435), (808, 16477), (809, 16483),

Gene: Norvs_49 Start: 29614, Stop: 31305, Start Num: 152

Candidate Starts for Norvs_49:

(Start: 152 @29614 has 16 MA's), (193, 29674), (214, 29707), (Start: 232 @29737 has 2 MA's), (233, 29740), (296, 29899), (299, 29908), (348, 30037), (363, 30085), (458, 30298), (459, 30304), (467, 30328), (524, 30457), (531, 30478), (541, 30511), (605, 30709), (678, 30862), (704, 30961), (707, 30973), (710, 30982), (740, 31066), (798, 31213), (807, 31249),

Gene: NosilaM_44 Start: 30458, Stop: 32074, Start Num: 178

Candidate Starts for NosilaM_44:

(Start: 178 @30458 has 37 MA's), (245, 30572), (273, 30656), (346, 30839), (369, 30905), (375, 30920), (383, 30944), (413, 31031), (438, 31061), (439, 31064), (458, 31121), (477, 31193), (531, 31298), (567, 31385), (586, 31433), (627, 31559), (637, 31595), (692, 31706), (713, 31781), (782, 31958), (797, 32000), (813, 32057),

Gene: November_22 Start: 17472, Stop: 19238, Start Num: 120

Candidate Starts for November_22:

(Start: 120 @17472 has 139 MA's), (Start: 148 @17502 has 2 MA's), (Start: 232 @17628 has 2 MA's), (237, 17643), (245, 17661), (255, 17694), (265, 17724), (280, 17757), (287, 17769), (315, 17859), (330, 17895), (333, 17901), (360, 17982), (393, 18075), (397, 18087), (398, 18090), (416, 18126), (433, 18144), (439, 18162), (446, 18180), (454, 18204), (456, 18210), (463, 18237), (472, 18273), (521, 18393), (551, 18483), (564, 18510), (583, 18555), (604, 18615), (628, 18690), (635, 18714), (677, 18810), (685, 18840), (688, 18849), (707, 18924), (764, 19083), (809, 19209), (810, 19212), (817, 19230),

Gene: NovumRegina_41 Start: 30206, Stop: 31819, Start Num: 178

Candidate Starts for NovumRegina_41:

(Start: 178 @30206 has 37 MA's), (Start: 207 @30242 has 1 MA's), (216, 30260), (245, 30320), (338, 30560), (342, 30572), (346, 30587), (369, 30653), (375, 30668), (383, 30692), (384, 30695), (413, 30779), (438, 30809), (439, 30812), (458, 30869), (469, 30917), (471, 30920), (477, 30941), (531, 31046), (549, 31091), (567, 31133), (627, 31307), (636, 31337), (637, 31343), (691, 31451), (692, 31454), (713, 31529), (797, 31748), (813, 31805),

Gene: Nutello_19 Start: 16697, Stop: 18463, Start Num: 120

Candidate Starts for Nutello_19:

(Start: 120 @16697 has 139 MA's), (Start: 125 @16703 has 46 MA's), (Start: 148 @16727 has 2 MA's), (Start: 232 @16853 has 2 MA's), (237, 16868), (245, 16886), (265, 16949), (315, 17084), (317, 17090), (358, 17198), (360, 17207), (397, 17312), (437, 17381), (439, 17387), (452, 17423), (456, 17435), (472, 17498), (517, 17600), (521, 17618), (533, 17660), (534, 17663), (578, 17768), (604, 17840), (637, 17948), (640, 17954), (666, 17999), (681, 18053), (688, 18074), (707, 18149), (723, 18200), (761, 18299), (766, 18314), (786, 18350), (800, 18395), (809, 18434), (810, 18437), (817, 18455),

Gene: Nyceirae_23 Start: 18768, Stop: 20426, Start Num: 156

Candidate Starts for Nyceirae_23:

(74, 18639), (124, 18732), (Start: 156 @18768 has 2 MA's), (Start: 164 @18780 has 4 MA's), (237, 18894), (248, 18924), (266, 18978), (297, 19044), (299, 19050), (333, 19161), (339, 19170), (346, 19197), (348, 19203), (349, 19206), (355, 19227), (386, 19311), (437, 19398), (438, 19401), (459, 19467), (464, 19482), (478, 19536), (496, 19566), (511, 19575), (524, 19617), (531, 19638), (546, 19686), (550, 19698), (559, 19725), (587, 19794), (611, 19863), (622, 19896), (652, 19953), (677, 20004), (696, 20073), (720, 20160), (725, 20175), (747, 20232), (750, 20241), (764, 20280), (783, 20319), (789, 20325),

Gene: Nymphadora_19 Start: 17764, Stop: 19362, Start Num: 167

Candidate Starts for Nymphadora_19:

(Start: 167 @17764 has 53 MA's), (302, 18022), (309, 18040), (310, 18043), (327, 18097), (354, 18172), (380, 18241), (381, 18250), (385, 18262), (400, 18313), (406, 18340), (410, 18349), (411, 18352), (456, 18385), (469, 18442), (513, 18508), (553, 18619), (570, 18643), (584, 18679), (621, 18781), (637, 18838), (680, 18928), (750, 19168), (774, 19246),

Gene: OBUpride_22 Start: 17400, Stop: 19142, Start Num: 117

Candidate Starts for OBUpride_22:

(Start: 117 @17400 has 41 MA's), (Start: 125 @17409 has 46 MA's), (161, 17451), (198, 17502), (213, 17526), (220, 17538), (Start: 232 @17559 has 2 MA's), (237, 17574), (245, 17592), (255, 17625), (262, 17652), (295, 17724), (320, 17814), (352, 17898), (355, 17907), (362, 17928), (387, 17994), (396, 18021), (413, 18054), (433, 18072), (440, 18093), (446, 18108), (447, 18111), (467, 18177), (468, 18180), (483, 18246), (497, 18258), (504, 18267), (507, 18270), (534, 18357), (553, 18411), (574, 18456), (577, 18462), (603, 18534), (613, 18564), (622, 18591), (633, 18627), (635, 18636), (676, 18714), (716, 18858), (721, 18876), (725, 18888), (731, 18903), (733, 18906), (742, 18927), (746, 18939), (764, 18987), (776, 19020), (805, 19095), (809, 19113), (817, 19134),

Gene: ODay_25 Start: 18641, Stop: 20350, Start Num: 147

Candidate Starts for ODay_25:

(Start: 147 @18641 has 24 MA's), (157, 18653), (159, 18656), (186, 18695), (266, 18860), (304, 18953), (318, 19004), (322, 19013), (331, 19031), (346, 19073), (348, 19079), (355, 19103), (357, 19109), (362, 19127), (382, 19178), (384, 19184), (393, 19214), (433, 19256), (440, 19277), (443, 19283), (450, 19307), (463, 19358), (464, 19361), (471, 19391), (473, 19397), (539, 19541), (596, 19703), (620, 19769), (622, 19778), (628, 19799), (672, 19892), (677, 19913), (679, 19925), (681, 19931), (684, 19940), (685, 19943), (699, 19997), (707, 20027), (727, 20096), (757, 20183), (759, 20189), (776, 20240), (797, 20285), (808, 20327), (814, 20345),

Gene: Obliviate_18 Start: 16440, Stop: 18086, Start Num: 171

Candidate Starts for Obliviate_18:

(143, 16404), (Start: 171 @16440 has 46 MA's), (237, 16542), (262, 16620), (265, 16623), (309, 16719), (319, 16758), (348, 16818), (354, 16839), (375, 16893), (380, 16908), (458, 17079), (467, 17109), (541, 17292), (549, 17316), (571, 17367), (605, 17460), (612, 17472), (626, 17517), (631, 17532), (677, 17664), (678, 17667), (704, 17766), (709, 17784), (725, 17835), (750, 17901), (772, 17964), (782, 17976),

Gene: Ochi17_16 Start: 15041, Stop: 16750, Start Num: 129

Candidate Starts for Ochi17_16:

(Start: 129 @15041 has 207 MA's), (205, 15128), (219, 15149), (Start: 232 @15173 has 2 MA's), (242, 15197), (248, 15218), (279, 15302), (287, 15308), (294, 15326), (309, 15356), (347, 15461), (364, 15515), (367, 15521), (375, 15539), (376, 15542), (379, 15551), (387, 15575), (406, 15650), (411, 15662), (424, 15677), (425, 15683), (432, 15701), (437, 15716), (439, 15722), (449, 15749), (452, 15758), (457, 15773), (458, 15779), (469, 15827), (474, 15839), (475, 15845), (517, 15905), (520, 15917), (531, 15953), (533, 15965), (541, 15986), (565, 16040), (568, 16049), (575, 16067), (578, 16073), (590, 16103), (639, 16208), (643, 16217), (645, 16220), (659, 16256), (671, 16295), (680, 16334), (713, 16454), (723, 16487), (734, 16517), (743, 16547), (746, 16556), (748, 16562), (757, 16577), (758, 16580), (764, 16601), (765, 16604), (786, 16640), (790, 16646), (797, 16676), (808, 16718),

Gene: OctaviousRex_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for OctaviousRex_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Octobien14_28 Start: 22738, Stop: 24489, Start Num: 122

Candidate Starts for Octobien14_28:

(Start: 109 @22723 has 26 MA's), (Start: 122 @22738 has 7 MA's), (141, 22759), (144, 22762), (188, 22819), (204, 22840), (Start: 207 @22846 has 1 MA's), (Start: 232 @22873 has 2 MA's), (241, 22891), (245, 22900), (246, 22903), (266, 22969), (269, 22975), (274, 22987), (295, 23038), (296, 23041), (302, 23059), (344, 23179), (357, 23224), (362, 23242), (385, 23302), (387, 23308), (391, 23323), (408, 23362), (447, 23416), (451, 23431), (454, 23440), (458, 23455), (460, 23464), (468, 23488), (472, 23509), (492, 23563), (511, 23581), (516, 23596), (517, 23599), (535, 23662), (539, 23674), (547, 23698), (557, 23731), (587, 23812), (624, 23920), (627, 23929), (632, 23944), (649, 23971), (672, 24016), (693, 24097), (709, 24157), (725, 24208), (739, 24244), (757, 24295), (759, 24301), (763, 24316), (766, 24325), (780, 24364), (788, 24379), (794, 24406), (803, 24436), (806, 24448), (815, 24478),

Gene: Odette_36 Start: 26877, Stop: 28610, Start Num: 131

Candidate Starts for Odette_36:

(Start: 131 @26877 has 77 MA's), (Start: 203 @26967 has 47 MA's), (229, 27015), (242, 27045), (251, 27072), (295, 27174), (310, 27204), (345, 27303), (355, 27339), (357, 27345), (365, 27366), (390, 27438), (393, 27447), (398, 27468), (425, 27537), (439, 27576), (440, 27579), (446, 27594), (458, 27633), (469, 27681), (474, 27693), (475, 27699), (506, 27747), (511, 27756), (518, 27777), (522, 27795), (536, 27843), (575, 27945), (597, 28005), (602, 28017), (650, 28101), (655, 28113), (656, 28119), (662, 28131), (663, 28134), (673, 28173), (678, 28191), (688, 28227), (689, 28233), (713, 28320), (742, 28410), (761, 28452), (767, 28470), (783, 28500), (798, 28542), (813, 28596),

Gene: OfUltron_16 Start: 15041, Stop: 16750, Start Num: 129

Candidate Starts for OfUltron_16:

(Start: 129 @15041 has 207 MA's), (205, 15128), (219, 15149), (Start: 232 @15173 has 2 MA's), (242, 15197), (248, 15218), (279, 15302), (287, 15308), (294, 15326), (309, 15356), (347, 15461), (364, 15515), (367, 15521), (375, 15539), (376, 15542), (379, 15551), (387, 15575), (406, 15650), (411, 15662), (424, 15677), (425, 15683), (432, 15701), (437, 15716), (439, 15722), (449, 15749), (452, 15758), (457, 15773), (458, 15779), (469, 15827), (474, 15839), (475, 15845), (517, 15905), (520, 15917), (531, 15953), (533, 15965), (541, 15986), (565, 16040), (568, 16049), (575, 16067), (578, 16073), (590, 16103), (639, 16208), (643, 16217), (645, 16220), (659, 16256), (671, 16295), (680, 16334), (713, 16454), (723, 16487), (734, 16517), (743, 16547), (746, 16556), (748, 16562), (757, 16577), (758, 16580), (764, 16601), (765, 16604), (786, 16640), (790, 16646), (797, 16676), (808, 16718),

Gene: Ogopogo_19 Start: 15066, Stop: 16775, Start Num: 129

Candidate Starts for Ogopogo_19:

(Start: 129 @15066 has 207 MA's), (205, 15153), (219, 15174), (Start: 232 @15198 has 2 MA's), (242, 15222), (248, 15243), (279, 15327), (287, 15333), (294, 15351), (309, 15381), (347, 15486), (364, 15540), (367, 15546), (371, 15555), (376, 15567), (379, 15576), (387, 15600), (398, 15642), (406, 15675), (425, 15708), (432, 15726), (437, 15741), (439, 15747), (452, 15783), (457, 15798), (458, 15804), (469, 15852), (474, 15864), (475, 15870), (517, 15930), (531, 15978), (533, 15990), (565, 16065), (568, 16074), (575, 16092), (578, 16098), (590, 16128), (639, 16233), (645, 16245), (659, 16281), (713, 16479), (723, 16512), (734, 16542), (737, 16554), (743, 16572), (746, 16581), (748, 16587), (757, 16602), (758, 16605), (764, 16626), (765, 16629), (790, 16671), (797, 16701), (808,

16743), (809, 16749),

Gene: OhShagHennessy_18 Start: 16711, Stop: 18480, Start Num: 98

Candidate Starts for OhShagHennessy_18:

(Start: 70 @16648 has 1 MA's), (80, 16669), (85, 16684), (Start: 98 @16711 has 41 MA's), (174, 16804), (Start: 207 @16852 has 1 MA's), (210, 16858), (236, 16885), (239, 16894), (261, 16966), (266, 16975), (278, 16999), (285, 17014), (295, 17044), (344, 17170), (346, 17179), (352, 17200), (357, 17215), (382, 17284), (393, 17320), (404, 17341), (447, 17410), (458, 17449), (517, 17587), (520, 17599), (543, 17674), (545, 17680), (550, 17698), (563, 17737), (575, 17770), (579, 17779), (583, 17788), (586, 17797), (628, 17920), (638, 17956), (672, 18004), (675, 18016), (689, 18070), (715, 18166), (720, 18184), (722, 18190), (723, 18193), (736, 18226), (744, 18250), (764, 18313), (779, 18355), (794, 18394), (800, 18412), (805, 18433), (810, 18454),

Gene: Ohgeesy_19 Start: 17387, Stop: 18985, Start Num: 167

Candidate Starts for Ohgeesy_19:

(Start: 167 @17387 has 53 MA's), (299, 17636), (302, 17645), (309, 17663), (310, 17666), (327, 17720), (354, 17795), (380, 17864), (381, 17873), (385, 17885), (388, 17897), (400, 17936), (406, 17963), (410, 17972), (411, 17975), (456, 18008), (469, 18065), (513, 18131), (553, 18242), (584, 18302), (621, 18404), (637, 18461), (680, 18551), (750, 18791), (774, 18869),

Gene: OkiRoe_21 Start: 17496, Stop: 19268, Start Num: 123

Candidate Starts for OkiRoe_21:

(Start: 123 @17496 has 15 MA's), (127, 17502), (Start: 151 @17526 has 2 MA's), (177, 17559), (210, 17607), (237, 17661), (255, 17712), (280, 17775), (317, 17883), (358, 17991), (397, 18105), (398, 18108), (417, 18147), (437, 18174), (439, 18180), (454, 18222), (456, 18228), (467, 18267), (472, 18291), (517, 18393), (534, 18456), (550, 18501), (604, 18636), (635, 18735), (670, 18813), (676, 18837), (681, 18858), (707, 18954), (709, 18960), (764, 19113), (804, 19218), (805, 19221), (809, 19239),

Gene: Oksu_17 Start: 14871, Stop: 16580, Start Num: 129

Candidate Starts for Oksu_17:

(Start: 129 @14871 has 207 MA's), (205, 14958), (Start: 232 @15003 has 2 MA's), (242, 15027), (279, 15132), (287, 15138), (294, 15156), (309, 15186), (347, 15291), (367, 15351), (376, 15372), (379, 15381), (387, 15405), (406, 15480), (432, 15531), (437, 15546), (439, 15552), (452, 15588), (457, 15603), (458, 15609), (469, 15657), (474, 15669), (475, 15675), (517, 15735), (520, 15747), (531, 15783), (533, 15795), (541, 15816), (565, 15870), (568, 15879), (575, 15897), (578, 15903), (590, 15933), (639, 16038), (643, 16047), (645, 16050), (659, 16086), (680, 16164), (706, 16263), (713, 16284), (723, 16317), (734, 16347), (743, 16377), (746, 16386), (748, 16392), (757, 16407), (758, 16410), (764, 16431), (765, 16434), (786, 16470), (790, 16476), (808, 16548),

Gene: OldBen_16 Start: 14778, Stop: 16487, Start Num: 129

Candidate Starts for OldBen_16:

(Start: 129 @14778 has 207 MA's), (205, 14865), (Start: 232 @14910 has 2 MA's), (242, 14934), (279, 15039), (287, 15045), (294, 15063), (297, 15072), (309, 15093), (347, 15198), (367, 15258), (376, 15279), (379, 15288), (387, 15312), (432, 15438), (437, 15453), (439, 15459), (452, 15495), (453, 15498), (457, 15510), (458, 15516), (469, 15564), (474, 15576), (475, 15582), (517, 15642), (520, 15654), (531, 15690), (533, 15702), (565, 15777), (568, 15786), (575, 15804), (578, 15810), (590, 15840), (639, 15945), (643, 15954), (645, 15957), (659, 15993), (680, 16071), (706, 16170), (713, 16191), (723, 16224), (734, 16254), (743, 16284), (746, 16293), (748, 16299), (757, 16314), (758, 16317), (764, 16338), (765, 16341), (790, 16383), (797, 16413), (808, 16455),

Gene: Olga_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Olga_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: OlympiaSaint_16 Start: 15002, Stop: 16711, Start Num: 129

Candidate Starts for OlympiaSaint_16:

(Start: 129 @15002 has 207 MA's), (205, 15089), (Start: 232 @15134 has 2 MA's), (242, 15158), (279, 15263), (287, 15269), (294, 15287), (309, 15317), (347, 15422), (367, 15482), (376, 15503), (379, 15512), (387, 15536), (406, 15611), (407, 15614), (432, 15662), (437, 15677), (439, 15683), (452, 15719), (453, 15722), (457, 15734), (458, 15740), (469, 15788), (474, 15800), (475, 15806), (517, 15866), (520, 15878), (531, 15914), (533, 15926), (565, 16001), (568, 16010), (575, 16028), (578, 16034), (590, 16064), (639, 16169), (645, 16181), (659, 16217), (680, 16295), (713, 16415), (723, 16448), (734, 16478), (743, 16508), (746, 16517), (748, 16523), (757, 16538), (758, 16541), (765, 16565), (782, 16595), (790, 16607), (797, 16637), (808, 16679),

Gene: Omega_36 Start: 28767, Stop: 30500, Start Num: 131

Candidate Starts for Omega_36:

(Start: 131 @28767 has 77 MA's), (Start: 203 @28857 has 47 MA's), (205, 28860), (242, 28935), (251, 28962), (274, 29028), (295, 29064), (310, 29094), (313, 29109), (345, 29193), (355, 29229), (365, 29256), (380, 29295), (390, 29328), (393, 29337), (407, 29394), (428, 29436), (455, 29511), (458, 29523), (474, 29583), (475, 29589), (506, 29637), (518, 29667), (522, 29685), (526, 29694), (534, 29727), (538, 29739), (541, 29745), (554, 29784), (578, 29841), (650, 29991), (656, 30009), (670, 30051), (676, 30075), (677, 30078), (680, 30093), (689, 30123), (698, 30153), (713, 30210), (767, 30360), (810, 30480), (813, 30486),

Gene: OmniCritical_24 Start: 18531, Stop: 20318, Start Num: 120

Candidate Starts for OmniCritical_24:

(Start: 95 @18492 has 1 MA's), (Start: 111 @18522 has 26 MA's), (Start: 117 @18528 has 41 MA's), (Start: 120 @18531 has 139 MA's), (177, 18588), (210, 18636), (Start: 232 @18675 has 2 MA's), (237, 18690), (245, 18708), (255, 18741), (265, 18771), (287, 18816), (295, 18834), (315, 18906), (317, 18912), (330, 18942), (353, 19008), (358, 19020), (407, 19155), (437, 19203), (439, 19209), (446, 19227), (456, 19257), (467, 19296), (517, 19422), (533, 19482), (534, 19485), (541, 19503), (546, 19518), (604, 19686), (622, 19740), (635, 19785), (655, 19830), (666, 19854), (676, 19887), (685, 19920), (704, 19992), (707, 20004), (723, 20055), (725, 20061), (764, 20163), (809, 20289), (817, 20310),

Gene: OneDirection_17 Start: 14664, Stop: 16373, Start Num: 169

Candidate Starts for OneDirection_17:

(77, 14529), (Start: 169 @14664 has 31 MA's), (260, 14853), (261, 14856), (295, 14931), (312, 14985), (340, 15054), (370, 15144), (372, 15147), (410, 15279), (431, 15333), (455, 15414), (469, 15474), (472, 15480), (526, 15561), (556, 15639), (570, 15657), (585, 15696), (613, 15768), (614, 15771), (621, 15792), (701, 16026), (705, 16041), (718, 16083), (749, 16176), (750, 16179), (764, 16227), (774, 16257),

Gene: OneUp_42 Start: 27048, Stop: 28739, Start Num: 152

Candidate Starts for OneUp_42:

(Start: 152 @27048 has 16 MA's), (193, 27108), (214, 27141), (262, 27264), (295, 27330), (313, 27378), (346, 27465), (348, 27471), (363, 27519), (365, 27522), (381, 27564), (437, 27669), (455, 27720), (458, 27732), (459, 27738), (533, 27924), (602, 28122), (605, 28140), (622, 28182), (646, 28227), (648, 28233), (678, 28293), (707, 28404), (786, 28605), (798, 28644), (807, 28680),

Gene: Optimus_35 Start: 27884, Stop: 29882, Start Num: 131

Candidate Starts for Optimus_35:

(Start: 131 @27884 has 77 MA's), (Start: 203 @27974 has 47 MA's), (229, 28022), (242, 28052), (295, 28181), (310, 28211), (325, 28262), (345, 28310), (355, 28346), (365, 28373), (390, 28445), (393, 28454), (398, 28475), (425, 28544), (439, 28583), (440, 28586), (446, 28601), (458, 28640), (469, 28688), (474, 28700), (475, 28706), (506, 28754), (511, 28763), (518, 28784), (522, 28802), (536, 28850), (575, 28952), (602, 29024), (615, 29069), (616, 29081), (617, 29216), (618, 29222), (619, 29246), (630, 29318), (637, 29345), (714, 29594),

Gene: Oregano_20 Start: 17368, Stop: 18948, Start Num: 167

Candidate Starts for Oregano_20:

(83, 17251), (Start: 167 @17368 has 53 MA's), (302, 17626), (310, 17647), (327, 17701), (344, 17740), (361, 17797), (370, 17818), (456, 17989), (460, 18007), (468, 18031), (472, 18052), (513, 18094), (543, 18175), (584, 18265), (621, 18367), (622, 18370), (637, 18424), (680, 18514), (761, 18793), (764, 18802), (774, 18832),

Gene: OrionPax_25 Start: 19491, Stop: 21170, Start Num: 137

Candidate Starts for OrionPax_25:

(Start: 137 @19491 has 79 MA's), (Start: 203 @19575 has 47 MA's), (Start: 244 @19653 has 1 MA's), (274, 19740), (287, 19755), (309, 19803), (321, 19842), (353, 19929), (365, 19962), (379, 19998), (388, 20028), (390, 20034), (409, 20103), (435, 20133), (438, 20145), (439, 20148), (458, 20205), (518, 20337), (519, 20343), (538, 20409), (541, 20415), (549, 20439), (568, 20487), (578, 20511), (582, 20520), (606, 20595), (643, 20646), (650, 20661), (698, 20823), (704, 20850), (713, 20880), (747, 20985), (786, 21063), (797, 21099), (800, 21108), (808, 21141), (813, 21156),

Gene: Oscar_22 Start: 16394, Stop: 18157, Start Num: 117

Candidate Starts for Oscar_22:

(Start: 95 @16358 has 1 MA's), (Start: 111 @16388 has 26 MA's), (Start: 117 @16394 has 41 MA's), (Start: 148 @16421 has 2 MA's), (Start: 168 @16448 has 11 MA's), (237, 16562), (255, 16613), (280, 16676), (315, 16778), (317, 16784), (346, 16856), (358, 16892), (360, 16901), (376, 16940), (391, 16988), (397, 17006), (416, 17045), (433, 17063), (437, 17075), (439, 17081), (454, 17123), (456, 17129), (463, 17156), (517, 17294), (521, 17312), (526, 17324), (551, 17402), (583, 17474), (587, 17486), (604, 17534), (628, 17609), (666, 17693), (676, 17726), (678, 17732), (685, 17759), (707, 17843), (709, 17849), (723, 17894), (725, 17900), (761, 17993), (800, 18089), (817, 18149),

Gene: Outis_42 Start: 30437, Stop: 32053, Start Num: 178

Candidate Starts for Outis_42:

(Start: 178 @30437 has 37 MA's), (245, 30551), (346, 30818), (369, 30884), (375, 30899), (383, 30923), (384, 30926), (413, 31010), (438, 31040), (444, 31058), (456, 31091), (458, 31100), (463, 31118), (469, 31148), (477, 31172), (524, 31256), (531, 31277), (550, 31325), (567, 31364), (586, 31412), (627, 31538), (637, 31574), (692, 31685), (713, 31760), (782, 31937), (797, 31979), (813, 32036),

Gene: Ovechkin_16 Start: 14836, Stop: 16545, Start Num: 129

Candidate Starts for Ovechkin_16:

(Start: 129 @14836 has 207 MA's), (205, 14923), (Start: 232 @14968 has 2 MA's), (242, 14992), (279, 15097), (287, 15103), (294, 15121), (309, 15151), (347, 15256), (367, 15316), (376, 15337), (379, 15346), (387, 15370), (432, 15496), (437, 15511), (439, 15517), (452, 15553), (453, 15556), (457, 15568), (458, 15574), (469, 15622), (474, 15634), (475, 15640), (517, 15700), (520, 15712), (531, 15748), (533, 15760), (565, 15835), (568, 15844), (575, 15862), (578, 15868), (590, 15898), (639, 16003), (643, 16012), (645, 16015), (659, 16051), (680, 16129), (706, 16228), (713, 16249), (723, 16282), (734, 16312), (743, 16342), (746, 16351), (748, 16357), (757, 16372), (758, 16375), (765,

16399), (782, 16429), (790, 16441), (797, 16471), (808, 16513),

Gene: OwlsT2W_18 Start: 15174, Stop: 16883, Start Num: 129

Candidate Starts for OwlsT2W_18:

(Start: 129 @15174 has 207 MA's), (205, 15261), (Start: 232 @15306 has 2 MA's), (242, 15330), (279, 15435), (287, 15441), (294, 15459), (309, 15489), (347, 15594), (367, 15654), (371, 15663), (375, 15672), (376, 15675), (379, 15684), (387, 15708), (406, 15783), (407, 15786), (432, 15834), (437, 15849), (439, 15855), (452, 15891), (453, 15894), (457, 15906), (458, 15912), (469, 15960), (474, 15972), (475, 15978), (517, 16038), (520, 16050), (531, 16086), (533, 16098), (565, 16173), (568, 16182), (575, 16200), (578, 16206), (590, 16236), (639, 16341), (643, 16350), (645, 16353), (659, 16389), (678, 16455), (680, 16467), (706, 16566), (713, 16587), (723, 16620), (734, 16650), (743, 16680), (746, 16689), (748, 16695), (757, 16710), (758, 16713), (765, 16737), (782, 16767), (790, 16779), (797, 16809), (808, 16851),

Gene: P1201_47 Start: 34468, Stop: 36096, Start Num: 181

Candidate Starts for P1201_47:

(181, 34468), (289, 34690), (313, 34771), (319, 34792), (376, 34936), (435, 35071), (458, 35143), (460, 35152), (509, 35251), (515, 35266), (545, 35359), (608, 35524), (622, 35563), (677, 35668), (686, 35701), (697, 35740), (717, 35812), (735, 35866), (743, 35890), (746, 35899), (773, 35980), (808, 36070),

Gene: P3MA_18 Start: 14293, Stop: 16050, Start Num: 120

Candidate Starts for P3MA_18:

(101, 14269), (Start: 120 @14293 has 139 MA's), (198, 14386), (280, 14575), (315, 14677), (365, 14812), (368, 14818), (376, 14839), (382, 14857), (393, 14893), (405, 14917), (447, 14995), (453, 15013), (459, 15037), (469, 15079), (472, 15085), (473, 15088), (517, 15187), (551, 15298), (578, 15358), (604, 15430), (635, 15529), (637, 15538), (666, 15586), (686, 15655), (707, 15736), (713, 15754), (717, 15766), (723, 15787), (733, 15814), (742, 15835), (747, 15850), (764, 15895), (768, 15907), (774, 15925), (801, 15982),

Gene: PCoral7_19 Start: 16740, Stop: 18389, Start Num: 171

Candidate Starts for PCoral7_19:

(4, 15693), (5, 15738), (6, 15762), (7, 15768), (9, 15876), (10, 15924), (13, 15996), (18, 16071), (28, 16209), (32, 16239), (33, 16245), (43, 16377), (50, 16434), (52, 16443), (79, 16602), (143, 16704), (Start: 171 @16740 has 46 MA's), (237, 16845), (262, 16923), (294, 16983), (298, 16995), (299, 16998), (375, 17196), (380, 17211), (427, 17295), (433, 17307), (436, 17316), (437, 17319), (444, 17340), (458, 17382), (467, 17412), (541, 17595), (549, 17619), (571, 17670), (583, 17703), (605, 17763), (612, 17775), (625, 17817), (631, 17835), (678, 17970), (704, 18069), (709, 18087), (725, 18138), (748, 18198), (750, 18204), (782, 18279),

Gene: PHappiness_16 Start: 14786, Stop: 16495, Start Num: 129

Candidate Starts for PHappiness_16:

(Start: 129 @14786 has 207 MA's), (205, 14873), (Start: 232 @14918 has 2 MA's), (242, 14942), (279, 15047), (287, 15053), (294, 15071), (309, 15101), (347, 15206), (367, 15266), (376, 15287), (379, 15296), (387, 15320), (432, 15446), (437, 15461), (439, 15467), (452, 15503), (453, 15506), (457, 15518), (458, 15524), (469, 15572), (474, 15584), (475, 15590), (517, 15650), (520, 15662), (531, 15698), (533, 15710), (565, 15785), (568, 15794), (575, 15812), (578, 15818), (590, 15848), (639, 15953), (643, 15962), (645, 15965), (659, 16001), (680, 16079), (706, 16178), (713, 16199), (723, 16232), (734, 16262), (743, 16292), (746, 16301), (748, 16307), (757, 16322), (758, 16325), (764, 16346), (765, 16349), (790, 16391), (797, 16421), (808, 16463),

Gene: PMC_16 Start: 14790, Stop: 16499, Start Num: 129

Candidate Starts for PMC_16:

(Start: 129 @14790 has 207 MA's), (205, 14877), (Start: 232 @14922 has 2 MA's), (242, 14946), (258, 15003), (279, 15051), (287, 15057), (294, 15075), (309, 15105), (328, 15159), (347, 15210), (364, 15264), (367, 15270), (371, 15279), (379, 15300), (387, 15324), (396, 15360), (398, 15366), (406, 15399), (407, 15402), (411, 15411), (424, 15426), (425, 15432), (432, 15450), (437, 15465), (439, 15471), (446, 15489), (447, 15492), (452, 15507), (457, 15522), (458, 15528), (469, 15576), (474, 15588), (475, 15594), (517, 15654), (520, 15666), (531, 15702), (533, 15714), (565, 15789), (568, 15798), (575, 15816), (578, 15822), (590, 15852), (639, 15957), (645, 15969), (659, 16005), (680, 16083), (713, 16203), (723, 16236), (734, 16266), (737, 16278), (743, 16296), (745, 16302), (746, 16305), (748, 16311), (757, 16326), (758, 16329), (764, 16350), (765, 16353), (790, 16395), (797, 16425), (808, 16467), (809, 16473),

Gene: PYPDinur_18 Start: 16572, Stop: 18335, Start Num: 98

Candidate Starts for PYPDinur_18:

(Start: 98 @16572 has 41 MA's), (210, 16713), (261, 16821), (262, 16824), (343, 17022), (344, 17025), (347, 17037), (353, 17058), (390, 17166), (404, 17196), (458, 17304), (468, 17337), (469, 17352), (476, 17373), (543, 17529), (563, 17592), (579, 17634), (583, 17643), (587, 17655), (601, 17697), (614, 17733), (672, 17859), (679, 17892), (706, 17994), (709, 18003), (715, 18021), (723, 18048), (744, 18105), (757, 18144), (764, 18168), (777, 18204), (785, 18219), (794, 18249), (802, 18276), (805, 18288), (810, 18309),

Gene: Pacc40_16 Start: 14976, Stop: 16685, Start Num: 129

Candidate Starts for Pacc40_16:

(Start: 129 @14976 has 207 MA's), (205, 15063), (Start: 232 @15108 has 2 MA's), (242, 15132), (279, 15237), (287, 15243), (294, 15261), (309, 15291), (347, 15396), (367, 15456), (376, 15477), (379, 15486), (387, 15510), (432, 15636), (437, 15651), (439, 15657), (452, 15693), (453, 15696), (457, 15708), (458, 15714), (469, 15762), (474, 15774), (475, 15780), (517, 15840), (520, 15852), (531, 15888), (533, 15900), (565, 15975), (568, 15984), (575, 16002), (578, 16008), (590, 16038), (639, 16143), (643, 16152), (645, 16155), (659, 16191), (680, 16269), (706, 16368), (713, 16389), (723, 16422), (734, 16452), (743, 16482), (746, 16491), (748, 16497), (757, 16512), (758, 16515), (764, 16536), (765, 16539), (790, 16581), (797, 16611), (808, 16653),

Gene: Pace1224_18 Start: 16851, Stop: 18575, Start Num: 151

Candidate Starts for Pace1224_18:

(Start: 151 @16851 has 2 MA's), (210, 16923), (265, 17058), (299, 17133), (313, 17184), (317, 17199), (330, 17229), (333, 17235), (351, 17289), (393, 17409), (439, 17505), (443, 17514), (456, 17553), (467, 17592), (475, 17628), (491, 17673), (517, 17718), (564, 17859), (587, 17916), (604, 17964), (613, 17991), (624, 18027), (628, 18039), (653, 18081), (676, 18144), (703, 18246), (723, 18312), (793, 18486), (811, 18552),

Gene: Padfoot_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Padfoot_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Padpat_23 Start: 17148, Stop: 18914, Start Num: 120

Candidate Starts for Padpat_23:

(Start: 120 @17148 has 139 MA's), (Start: 148 @17178 has 2 MA's), (245, 17337), (255, 17370), (265, 17400), (280, 17433), (287, 17445), (315, 17535), (333, 17577), (358, 17649), (360, 17658), (376, 17697), (390, 17742), (397, 17763), (398, 17766), (433, 17820), (439, 17838), (454, 17880), (456,

17886), (463, 17913), (517, 18051), (521, 18069), (533, 18111), (540, 18129), (551, 18159), (564, 18186), (604, 18291), (666, 18450), (677, 18486), (685, 18516), (688, 18525), (707, 18600), (723, 18651), (800, 18846), (809, 18885), (810, 18888), (817, 18906),

Gene: Paito_18 Start: 16782, Stop: 18536, Start Num: 142

Candidate Starts for Paito_18:

(21, 16239), (Start: 111 @16773 has 26 MA's), (Start: 142 @16782 has 43 MA's), (Start: 148 @16788 has 2 MA's), (155, 16794), (210, 16872), (237, 16926), (255, 16977), (265, 17007), (275, 17031), (313, 17133), (328, 17172), (330, 17178), (338, 17193), (351, 17238), (391, 17352), (393, 17358), (418, 17415), (439, 17454), (454, 17496), (456, 17502), (467, 17541), (491, 17622), (517, 17667), (530, 17712), (586, 17862), (587, 17865), (598, 17895), (604, 17913), (613, 17940), (638, 18024), (645, 18033), (653, 18042), (662, 18057), (676, 18105), (679, 18120), (698, 18183), (713, 18240), (725, 18279), (742, 18321), (761, 18372), (800, 18468), (817, 18528),

Gene: Palpatine_24 Start: 19847, Stop: 21442, Start Num: 203

Candidate Starts for Palpatine_24:

(Start: 137 @19763 has 79 MA's), (Start: 203 @19847 has 47 MA's), (Start: 244 @19925 has 1 MA's), (274, 20012), (287, 20027), (309, 20075), (321, 20114), (353, 20201), (365, 20234), (379, 20270), (388, 20300), (390, 20306), (409, 20375), (435, 20405), (438, 20417), (439, 20420), (458, 20477), (518, 20609), (519, 20615), (538, 20681), (541, 20687), (549, 20711), (568, 20759), (578, 20783), (582, 20792), (606, 20867), (643, 20918), (650, 20933), (698, 21095), (704, 21122), (713, 21152), (747, 21257), (786, 21335), (797, 21371), (800, 21380), (808, 21413), (813, 21428),

Gene: Panchino_18 Start: 14966, Stop: 16675, Start Num: 134

Candidate Starts for Panchino_18:

(Start: 134 @14966 has 43 MA's), (161, 14993), (189, 15032), (Start: 232 @15098 has 2 MA's), (236, 15110), (249, 15146), (256, 15170), (265, 15197), (274, 15218), (279, 15227), (287, 15233), (299, 15266), (364, 15440), (367, 15446), (371, 15455), (375, 15464), (379, 15476), (387, 15500), (398, 15542), (406, 15575), (432, 15626), (433, 15629), (437, 15641), (452, 15683), (457, 15698), (458, 15704), (469, 15752), (493, 15806), (517, 15830), (537, 15902), (557, 15956), (565, 15965), (568, 15974), (578, 15998), (589, 16025), (590, 16028), (639, 16133), (643, 16142), (659, 16181), (681, 16262), (697, 16319), (706, 16358), (743, 16472), (757, 16502), (758, 16505), (765, 16529), (786, 16565),

Gene: PantheRoc_19 Start: 17095, Stop: 18693, Start Num: 167

Candidate Starts for PantheRoc_19:

(Start: 167 @17095 has 53 MA's), (302, 17353), (309, 17371), (310, 17374), (327, 17428), (354, 17503), (380, 17572), (381, 17581), (385, 17593), (388, 17605), (400, 17644), (406, 17671), (410, 17680), (411, 17683), (456, 17716), (469, 17773), (513, 17839), (553, 17950), (584, 18010), (621, 18112), (637, 18169), (680, 18259), (750, 18499), (774, 18577),

Gene: Paola_21 Start: 17495, Stop: 19267, Start Num: 123

Candidate Starts for Paola_21:

(Start: 123 @17495 has 15 MA's), (127, 17501), (Start: 151 @17525 has 2 MA's), (177, 17558), (210, 17606), (237, 17660), (255, 17711), (280, 17774), (317, 17882), (358, 17990), (397, 18104), (398, 18107), (417, 18146), (433, 18161), (437, 18173), (439, 18179), (454, 18221), (456, 18227), (467, 18266), (472, 18290), (517, 18392), (534, 18455), (550, 18500), (604, 18635), (635, 18734), (670, 18812), (676, 18836), (678, 18842), (681, 18857), (707, 18953), (709, 18959), (764, 19112), (804, 19217), (805, 19220), (809, 19238),

Gene: Paperbeatsrock_26 Start: 20726, Stop: 22405, Start Num: 137

Candidate Starts for Paperbeatsrock_26:

(Start: 137 @20726 has 79 MA's), (Start: 203 @20810 has 47 MA's), (Start: 244 @20888 has 1 MA's), (274, 20975), (287, 20990), (309, 21038), (321, 21077), (353, 21164), (365, 21197), (379, 21233), (388, 21263), (390, 21269), (409, 21338), (435, 21368), (438, 21380), (439, 21383), (458, 21440), (518, 21572), (519, 21578), (538, 21644), (541, 21650), (549, 21674), (568, 21722), (578, 21746), (582, 21755), (606, 21830), (643, 21881), (650, 21896), (698, 22058), (704, 22085), (713, 22115), (747, 22220), (786, 22298), (797, 22334), (800, 22343), (808, 22376), (813, 22391),

Gene: Parada_22 Start: 17344, Stop: 19050, Start Num: 172

Candidate Starts for Parada_22:

(Start: 106 @17269 has 2 MA's), (Start: 172 @17344 has 16 MA's), (Start: 232 @17437 has 2 MA's), (237, 17452), (239, 17458), (264, 17533), (296, 17605), (332, 17716), (348, 17761), (353, 17779), (358, 17791), (437, 17962), (440, 17971), (443, 17977), (454, 18010), (470, 18073), (483, 18124), (504, 18148), (516, 18172), (537, 18247), (551, 18286), (602, 18418), (637, 18532), (676, 18619), (706, 18733), (709, 18742), (746, 18847), (783, 18934), (817, 19042),

Gene: Parmesanjohn_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Parmesanjohn_18:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249, 15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364, 15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406, 15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477, 15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589, 16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743, 16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: Pat3_23 Start: 18472, Stop: 20151, Start Num: 137

Candidate Starts for Pat3_23:

(Start: 137 @18472 has 79 MA's), (Start: 203 @18556 has 47 MA's), (Start: 244 @18634 has 1 MA's), (274, 18721), (287, 18736), (309, 18784), (321, 18823), (353, 18910), (365, 18943), (379, 18979), (388, 19009), (390, 19015), (409, 19084), (435, 19114), (438, 19126), (439, 19129), (458, 19186), (518, 19318), (519, 19324), (538, 19390), (541, 19396), (549, 19420), (568, 19468), (578, 19492), (582, 19501), (606, 19576), (643, 19627), (650, 19642), (698, 19804), (704, 19831), (713, 19861), (747, 19966), (786, 20044), (797, 20080), (800, 20089), (808, 20122), (813, 20137),

Gene: Patio_44 Start: 30694, Stop: 32316, Start Num: 178

Candidate Starts for Patio_44:

(Start: 178 @30694 has 37 MA's), (245, 30811), (270, 30889), (338, 31051), (342, 31063), (346, 31078), (369, 31144), (375, 31159), (413, 31270), (438, 31300), (439, 31303), (458, 31360), (469, 31408), (477, 31432), (531, 31537), (567, 31624), (586, 31672), (627, 31798), (628, 31801), (637, 31834), (669, 31861), (678, 31891), (713, 32020), (725, 32059), (765, 32164), (793, 32227), (797, 32239), (801, 32251), (803, 32260), (813, 32296),

Gene: Patt_24 Start: 18364, Stop: 20151, Start Num: 120

Candidate Starts for Patt_24:

(Start: 95 @18325 has 1 MA's), (Start: 111 @18355 has 26 MA's), (Start: 117 @18361 has 41 MA's), (Start: 120 @18364 has 139 MA's), (177, 18421), (210, 18469), (Start: 232 @18508 has 2 MA's), (237, 18523), (245, 18541), (255, 18574), (265, 18604), (287, 18649), (295, 18667), (315, 18739), (317, 18745), (330, 18775), (332, 18778), (353, 18841), (358, 18853), (407, 18988), (437, 19036), (439, 19042), (446, 19060), (456, 19090), (467, 19129), (517, 19255), (533, 19315), (534, 19318), (546, 19351), (604, 19519), (622, 19573), (635, 19618), (655, 19663), (666, 19687), (676, 19720), (685, 19753), (688, 19762), (704, 19825), (707, 19837), (723, 19888), (725, 19894), (764, 19996), (809, 20122), (817, 20143),

Gene: Peanam_23 Start: 16514, Stop: 18280, Start Num: 120

Candidate Starts for Peanam_23:

(Start: 111 @16505 has 26 MA's), (Start: 120 @16514 has 139 MA's), (Start: 125 @16520 has 46 MA's), (Start: 148 @16544 has 2 MA's), (177, 16583), (Start: 232 @16670 has 2 MA's), (237, 16685), (245, 16703), (255, 16736), (265, 16766), (315, 16901), (330, 16937), (358, 17015), (360, 17024), (397, 17129), (398, 17132), (417, 17171), (437, 17198), (439, 17204), (454, 17246), (456, 17252), (463, 17279), (517, 17417), (521, 17435), (551, 17525), (564, 17552), (578, 17585), (604, 17657), (622, 17711), (633, 17747), (640, 17771), (666, 17816), (676, 17849), (679, 17864), (685, 17882), (688, 17891), (707, 17966), (723, 18017), (725, 18023), (764, 18125), (809, 18251), (810, 18254), (817, 18272),

Gene: Peeb_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Peeb_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (210, 16739), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Peel_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Peel_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: PegLeg_28 Start: 22367, Stop: 24103, Start Num: 114

Candidate Starts for PegLeg_28:

(51, 22145), (Start: 86 @22325 has 4 MA's), (Start: 93 @22340 has 2 MA's), (Start: 114 @22367 has 15 MA's), (132, 22382), (Start: 167 @22421 has 53 MA's), (188, 22451), (191, 22457), (201, 22469), (257, 22574), (261, 22589), (280, 22628), (327, 22751), (331, 22760), (362, 22856), (379, 22898), (380, 22901), (458, 23078), (496, 23189), (517, 23216), (536, 23288), (539, 23297), (540, 23300), (544, 23312), (586, 23432), (587, 23435), (601, 23477), (612, 23507), (614, 23513), (670, 23633), (672, 23639), (785, 23993), (794, 24020), (800, 24038), (802, 24047),

Gene: Pepperoni_17 Start: 15014, Stop: 16723, Start Num: 169

Candidate Starts for Pepperoni_17:

(77, 14879), (Start: 169 @15014 has 31 MA's), (260, 15203), (261, 15206), (295, 15281), (312, 15335), (340, 15404), (370, 15494), (372, 15497), (410, 15629), (431, 15683), (455, 15764), (469, 15824), (472, 15830), (526, 15911), (556, 15989), (570, 16007), (585, 16046), (613, 16118), (614, 16121), (621, 16142), (701, 16376), (705, 16391), (718, 16433), (749, 16526), (750, 16529), (764, 16577), (774, 16607),

Gene: Periodt_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Periodt_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050),

(713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: PeteyPab_33 Start: 29327, Stop: 30925, Start Num: 183

Candidate Starts for PeteyPab_33:

(Start: 183 @29327 has 8 MA's), (247, 29426), (270, 29495), (289, 29534), (337, 29669), (355, 29729), (428, 29882), (435, 29894), (437, 29903), (438, 29906), (454, 29951), (458, 29966), (460, 29975), (463, 29984), (477, 30038), (482, 30056), (521, 30110), (602, 30326), (632, 30419), (686, 30527), (699, 30581), (722, 30656), (766, 30785), (812, 30911),

Gene: Petra_21 Start: 17051, Stop: 18697, Start Num: 171

Candidate Starts for Petra_21:

(143, 17015), (Start: 171 @17051 has 46 MA's), (237, 17153), (262, 17231), (298, 17303), (309, 17330), (319, 17369), (348, 17429), (354, 17450), (375, 17504), (380, 17519), (390, 17552), (423, 17600), (427, 17603), (458, 17690), (467, 17720), (541, 17903), (549, 17927), (583, 18011), (605, 18071), (612, 18083), (631, 18143), (678, 18278), (704, 18377), (709, 18395), (725, 18446), (748, 18506), (750, 18512), (772, 18575), (782, 18587),

Gene: Petra64142_26 Start: 20290, Stop: 21885, Start Num: 203

Candidate Starts for Petra64142_26:

(Start: 137 @20206 has 79 MA's), (Start: 203 @20290 has 47 MA's), (Start: 244 @20368 has 1 MA's), (274, 20455), (287, 20470), (309, 20518), (321, 20557), (353, 20644), (365, 20677), (379, 20713), (388, 20743), (390, 20749), (409, 20818), (435, 20848), (438, 20860), (439, 20863), (458, 20920), (518, 21052), (519, 21058), (538, 21124), (541, 21130), (549, 21154), (568, 21202), (578, 21226), (582, 21235), (606, 21310), (643, 21361), (650, 21376), (698, 21538), (704, 21565), (713, 21595), (747, 21700), (786, 21778), (797, 21814), (800, 21823), (808, 21856), (813, 21871),

Gene: Phaja_24 Start: 20006, Stop: 21601, Start Num: 203

Candidate Starts for Phaja_24:

(Start: 137 @19922 has 79 MA's), (Start: 203 @20006 has 47 MA's), (Start: 244 @20084 has 1 MA's), (274, 20171), (287, 20186), (309, 20234), (321, 20273), (353, 20360), (365, 20393), (379, 20429), (388, 20459), (390, 20465), (409, 20534), (435, 20564), (438, 20576), (439, 20579), (458, 20636), (518, 20768), (519, 20774), (538, 20840), (541, 20846), (549, 20870), (568, 20918), (578, 20942), (582, 20951), (606, 21026), (643, 21077), (650, 21092), (698, 21254), (704, 21281), (713, 21311), (747, 21416), (786, 21494), (797, 21530), (800, 21539), (808, 21572), (813, 21587),

Gene: Phalconet_16 Start: 14857, Stop: 16566, Start Num: 129

Candidate Starts for Phalconet_16:

(Start: 129 @14857 has 207 MA's), (205, 14944), (Start: 232 @14989 has 2 MA's), (242, 15013), (279, 15118), (287, 15124), (294, 15142), (309, 15172), (347, 15277), (367, 15337), (376, 15358), (379, 15367), (387, 15391), (432, 15517), (437, 15532), (439, 15538), (452, 15574), (453, 15577), (457, 15589), (458, 15595), (469, 15643), (474, 15655), (475, 15661), (517, 15721), (520, 15733), (531, 15769), (533, 15781), (565, 15856), (568, 15865), (575, 15883), (578, 15889), (590, 15919), (639, 16024), (643, 16033), (645, 16036), (659, 16072), (680, 16150), (706, 16249), (713, 16270), (723, 16303), (743, 16363), (746, 16372), (748, 16378), (757, 16393), (758, 16396), (765, 16420), (782, 16450), (790, 16462), (797, 16492), (808, 16534),

Gene: Phalm_19 Start: 16273, Stop: 18009, Start Num: 125

Candidate Starts for Phalm_19:

(Start: 106 @16249 has 2 MA's), (Start: 125 @16273 has 46 MA's), (175, 16333), (189, 16354), (190, 16357), (253, 16477), (265, 16516), (280, 16549), (295, 16573), (342, 16693), (353, 16732), (355, 16738), (385, 16822), (387, 16828), (390, 16840), (396, 16864), (403, 16891), (409, 16909), (429, 16948), (432, 16954), (440, 16978), (458, 17032), (461, 17044), (464, 17053), (479, 17113), (522, 17191), (533, 17230), (545, 17263), (568, 17329), (578, 17353), (587, 17377), (597, 17407), (656,

17521), (662, 17533), (664, 17542), (665, 17551), (696, 17659), (719, 17743), (752, 17842), (800, 17950), (813, 17998),

Gene: PhancyPhin_18 Start: 14990, Stop: 16699, Start Num: 134

Candidate Starts for PhancyPhin_18:

(Start: 134 @14990 has 43 MA's), (161, 15017), (189, 15056), (Start: 232 @15122 has 2 MA's), (236, 15134), (249, 15170), (256, 15194), (265, 15221), (274, 15242), (279, 15251), (287, 15257), (299, 15290), (364, 15464), (367, 15470), (371, 15479), (375, 15488), (379, 15500), (387, 15524), (398, 15566), (406, 15599), (432, 15650), (433, 15653), (437, 15665), (452, 15707), (457, 15722), (458, 15728), (469, 15776), (493, 15830), (517, 15854), (537, 15926), (557, 15980), (565, 15989), (568, 15998), (578, 16022), (589, 16049), (590, 16052), (639, 16157), (643, 16166), (659, 16205), (681, 16286), (697, 16343), (706, 16382), (743, 16496), (757, 16526), (758, 16529), (765, 16553), (786, 16589),

Gene: Phanphagia_16 Start: 14859, Stop: 16568, Start Num: 129

Candidate Starts for Phanphagia_16:

(Start: 129 @14859 has 207 MA's), (205, 14946), (Start: 232 @14991 has 2 MA's), (242, 15015), (279, 15120), (287, 15126), (294, 15144), (309, 15174), (347, 15279), (367, 15339), (376, 15360), (379, 15369), (387, 15393), (406, 15468), (407, 15471), (432, 15519), (437, 15534), (439, 15540), (452, 15576), (453, 15579), (457, 15591), (458, 15597), (469, 15645), (474, 15657), (475, 15663), (517, 15723), (520, 15735), (531, 15771), (533, 15783), (565, 15858), (568, 15867), (575, 15885), (578, 15891), (590, 15921), (639, 16026), (643, 16035), (645, 16038), (659, 16074), (680, 16152), (706, 16251), (713, 16272), (723, 16305), (734, 16335), (743, 16365), (746, 16374), (748, 16380), (757, 16395), (758, 16398), (765, 16422), (782, 16452), (790, 16464), (797, 16494), (808, 16536),

Gene: Pharb_22 Start: 17427, Stop: 19190, Start Num: 120

Candidate Starts for Pharb_22:

(Start: 111 @17418 has 26 MA's), (Start: 117 @17424 has 41 MA's), (Start: 120 @17427 has 139 MA's), (Start: 142 @17439 has 43 MA's), (208, 17529), (237, 17586), (255, 17637), (265, 17667), (275, 17691), (360, 17931), (365, 17943), (398, 18039), (433, 18093), (439, 18111), (456, 18159), (467, 18198), (475, 18234), (533, 18384), (534, 18387), (545, 18417), (569, 18474), (604, 18567), (622, 18621), (637, 18675), (660, 18705), (666, 18723), (679, 18771), (687, 18795), (695, 18822), (709, 18879), (723, 18924), (761, 19026), (800, 19122), (805, 19143), (809, 19161), (811, 19167), (817, 19182),

Gene: Pharsalus_25 Start: 20526, Stop: 22205, Start Num: 137

Candidate Starts for Pharsalus_25:

(Start: 137 @20526 has 79 MA's), (Start: 203 @20610 has 47 MA's), (Start: 244 @20688 has 1 MA's), (274, 20775), (287, 20790), (309, 20838), (321, 20877), (353, 20964), (365, 20997), (379, 21033), (388, 21063), (390, 21069), (409, 21138), (435, 21168), (438, 21180), (439, 21183), (458, 21240), (518, 21372), (519, 21378), (538, 21444), (541, 21450), (549, 21474), (568, 21522), (578, 21546), (582, 21555), (606, 21630), (643, 21681), (650, 21696), (698, 21858), (704, 21885), (713, 21915), (747, 22020), (786, 22098), (797, 22134), (800, 22143), (808, 22176), (813, 22191),

Gene: Phasih_17 Start: 15342, Stop: 17051, Start Num: 129

Candidate Starts for Phasih_17:

(Start: 129 @15342 has 207 MA's), (205, 15429), (Start: 232 @15474 has 2 MA's), (242, 15498), (279, 15603), (287, 15609), (294, 15627), (309, 15657), (347, 15762), (364, 15816), (367, 15822), (371, 15831), (376, 15843), (379, 15852), (387, 15876), (396, 15912), (398, 15918), (401, 15930), (406, 15951), (407, 15954), (411, 15963), (424, 15978), (425, 15984), (432, 16002), (437, 16017), (439, 16023), (446, 16041), (447, 16044), (452, 16059), (457, 16074), (458, 16080), (467, 16110), (469, 16128), (474, 16140), (475, 16146), (517, 16206), (520, 16218), (531, 16254), (533, 16266), (541, 16287), (565, 16341), (568, 16350), (578, 16374), (590, 16404), (639, 16509), (645, 16521), (659,

16557), (671, 16596), (680, 16635), (706, 16734), (713, 16755), (723, 16788), (734, 16818), (743, 16848), (746, 16857), (748, 16863), (757, 16878), (758, 16881), (764, 16902), (765, 16905), (790, 16947), (797, 16977), (808, 17019), (809, 17025),

Gene: PhatBacter_24 Start: 19774, Stop: 21453, Start Num: 137

Candidate Starts for PhatBacter_24:

(Start: 137 @19774 has 79 MA's), (Start: 203 @19858 has 47 MA's), (Start: 244 @19936 has 1 MA's), (274, 20023), (287, 20038), (309, 20086), (321, 20125), (353, 20212), (365, 20245), (379, 20281), (388, 20311), (390, 20317), (409, 20386), (435, 20416), (438, 20428), (439, 20431), (458, 20488), (518, 20620), (519, 20626), (538, 20692), (541, 20698), (549, 20722), (568, 20770), (578, 20794), (582, 20803), (606, 20878), (643, 20929), (650, 20944), (698, 21106), (704, 21133), (713, 21163), (747, 21268), (786, 21346), (797, 21382), (800, 21391), (808, 21424), (813, 21439),

Gene: Phatniss_17 Start: 15310, Stop: 17019, Start Num: 129

Candidate Starts for Phatniss_17:

(Start: 129 @15310 has 207 MA's), (205, 15397), (Start: 232 @15442 has 2 MA's), (242, 15466), (258, 15523), (279, 15571), (287, 15577), (294, 15595), (309, 15625), (347, 15730), (364, 15784), (367, 15790), (371, 15799), (376, 15811), (379, 15820), (387, 15844), (396, 15880), (398, 15886), (401, 15898), (406, 15919), (407, 15922), (411, 15931), (424, 15946), (425, 15952), (432, 15970), (437, 15985), (439, 15991), (446, 16009), (447, 16012), (452, 16027), (457, 16042), (458, 16048), (467, 16078), (469, 16096), (474, 16108), (475, 16114), (517, 16174), (520, 16186), (531, 16222), (533, 16234), (541, 16255), (565, 16309), (568, 16318), (578, 16342), (590, 16372), (639, 16477), (645, 16489), (659, 16525), (671, 16564), (680, 16603), (706, 16702), (713, 16723), (723, 16756), (734, 16786), (743, 16816), (746, 16825), (748, 16831), (757, 16846), (758, 16849), (764, 16870), (765, 16873), (790, 16915), (797, 16945), (808, 16987), (809, 16993),

Gene: Phauci_26 Start: 25726, Stop: 27351, Start Num: 166

Candidate Starts for Phauci_26:

(Start: 166 @25726 has 18 MA's), (176, 25738), (199, 25771), (206, 25780), (212, 25792), (Start: 232 @25822 has 2 MA's), (274, 25939), (280, 25951), (313, 26026), (338, 26086), (347, 26116), (440, 26323), (451, 26353), (464, 26398), (479, 26458), (517, 26506), (537, 26578), (549, 26611), (550, 26614), (566, 26653), (582, 26692), (612, 26779), (613, 26782), (648, 26860), (677, 26920), (689, 26965), (709, 27046), (726, 27100), (761, 27196), (808, 27325), (813, 27340),

Gene: Phaux_23 Start: 19772, Stop: 21451, Start Num: 137

Candidate Starts for Phaux_23:

(Start: 137 @19772 has 79 MA's), (Start: 203 @19856 has 47 MA's), (Start: 244 @19934 has 1 MA's), (274, 20021), (287, 20036), (309, 20084), (321, 20123), (353, 20210), (365, 20243), (379, 20279), (388, 20309), (390, 20315), (409, 20384), (435, 20414), (438, 20426), (439, 20429), (458, 20486), (518, 20618), (519, 20624), (538, 20690), (541, 20696), (549, 20720), (568, 20768), (578, 20792), (582, 20801), (606, 20876), (643, 20927), (650, 20942), (698, 21104), (704, 21131), (713, 21161), (747, 21266), (786, 21344), (797, 21380), (800, 21389), (808, 21422), (813, 21437),

Gene: Phayonce_18 Start: 16079, Stop: 17815, Start Num: 125

Candidate Starts for Phayonce_18:

(Start: 125 @16079 has 46 MA's), (189, 16160), (190, 16163), (226, 16214), (228, 16217), (Start: 232 @16226 has 2 MA's), (253, 16283), (265, 16322), (274, 16343), (280, 16355), (294, 16376), (295, 16379), (297, 16385), (342, 16499), (353, 16538), (355, 16544), (394, 16658), (406, 16709), (409, 16715), (429, 16754), (432, 16760), (440, 16784), (458, 16838), (461, 16850), (464, 16859), (479, 16919), (522, 16997), (533, 17036), (568, 17135), (578, 17159), (587, 17183), (597, 17213), (656, 17327), (662, 17339), (664, 17348), (665, 17357), (696, 17465), (742, 17618), (752, 17648), (808, 17789), (813, 17804),

Gene: Phegasus_19 Start: 16391, Stop: 18127, Start Num: 125

Candidate Starts for Phegasus_19:

(Start: 125 @16391 has 46 MA's), (189, 16472), (190, 16475), (226, 16526), (251, 16589), (253, 16595), (265, 16634), (280, 16667), (295, 16691), (342, 16811), (346, 16826), (353, 16850), (355, 16856), (385, 16940), (396, 16982), (406, 17021), (409, 17027), (429, 17066), (432, 17072), (440, 17096), (458, 17150), (464, 17171), (479, 17231), (522, 17309), (533, 17348), (545, 17381), (568, 17447), (578, 17471), (587, 17495), (597, 17525), (602, 17537), (656, 17639), (662, 17651), (663, 17654), (664, 17660), (665, 17669), (696, 17777), (719, 17861), (752, 17960), (782, 18017), (800, 18068), (813, 18116),

Gene: PhelpsODU_22 Start: 16372, Stop: 18138, Start Num: 120

Candidate Starts for PhelpsODU_22:

(Start: 111 @16363 has 26 MA's), (Start: 120 @16372 has 139 MA's), (Start: 148 @16402 has 2 MA's), (237, 16543), (245, 16561), (255, 16594), (265, 16624), (287, 16669), (315, 16759), (330, 16795), (360, 16882), (393, 16975), (397, 16987), (398, 16990), (407, 17008), (417, 17029), (433, 17044), (437, 17056), (439, 17062), (454, 17104), (456, 17110), (521, 17293), (540, 17353), (575, 17437), (583, 17455), (604, 17515), (628, 17590), (635, 17614), (666, 17674), (676, 17707), (677, 17710), (681, 17728), (688, 17749), (707, 17824), (723, 17875), (733, 17902), (761, 17974), (786, 18025), (809, 18109), (810, 18112), (817, 18130),

Gene: Phendrix_87 Start: 52198, Stop: 53814, Start Num: 168

Candidate Starts for Phendrix_87:

(Start: 168 @52198 has 11 MA's), (176, 52204), (Start: 232 @52288 has 2 MA's), (256, 52357), (266, 52387), (268, 52390), (284, 52420), (300, 52459), (362, 52630), (373, 52654), (379, 52672), (385, 52690), (394, 52720), (438, 52786), (439, 52789), (451, 52822), (468, 52879), (469, 52894), (471, 52897), (472, 52900), (516, 52972), (520, 52987), (524, 53002), (531, 53023), (534, 53038), (589, 53182), (597, 53203), (602, 53218), (627, 53296), (646, 53323), (648, 53329), (677, 53389), (689, 53434), (704, 53491), (706, 53500), (713, 53521), (725, 53560), (746, 53614), (761, 53659), (764, 53668),

Gene: PhesterPhotato_16 Start: 14827, Stop: 16536, Start Num: 129

Candidate Starts for PhesterPhotato_16:

(Start: 129 @14827 has 207 MA's), (205, 14914), (Start: 232 @14959 has 2 MA's), (242, 14983), (279, 15088), (287, 15094), (294, 15112), (309, 15142), (347, 15247), (367, 15307), (376, 15328), (379, 15337), (387, 15361), (432, 15487), (437, 15502), (439, 15508), (452, 15544), (453, 15547), (457, 15559), (458, 15565), (469, 15613), (474, 15625), (475, 15631), (517, 15691), (520, 15703), (531, 15739), (533, 15751), (565, 15826), (568, 15835), (575, 15853), (578, 15859), (590, 15889), (639, 15994), (643, 16003), (645, 16006), (659, 16042), (680, 16120), (706, 16219), (713, 16240), (723, 16273), (734, 16303), (743, 16333), (746, 16342), (748, 16348), (757, 16363), (758, 16366), (765, 16390), (782, 16420), (790, 16432), (797, 16462), (808, 16504),

Gene: Philonius_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Philonius_18:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249, 15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364, 15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406, 15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477, 15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589, 16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743, 16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: Philus_16 Start: 14812, Stop: 16521, Start Num: 129

Candidate Starts for Philus_16:

(Start: 129 @14812 has 207 MA's), (205, 14899), (Start: 232 @14944 has 2 MA's), (242, 14968), (258, 15025), (279, 15073), (287, 15079), (294, 15097), (309, 15127), (347, 15232), (364, 15286), (367, 15292), (371, 15301), (379, 15322), (387, 15346), (396, 15382), (398, 15388), (406, 15421), (407, 15424), (411, 15433), (424, 15448), (425, 15454), (432, 15472), (437, 15487), (439, 15493), (446, 15511), (447, 15514), (452, 15529), (457, 15544), (458, 15550), (469, 15598), (474, 15610), (475, 15616), (517, 15676), (520, 15688), (531, 15724), (533, 15736), (565, 15811), (568, 15820), (575, 15838), (578, 15844), (590, 15874), (639, 15979), (645, 15991), (659, 16027), (680, 16105), (713, 16225), (723, 16258), (734, 16288), (737, 16300), (743, 16318), (745, 16324), (746, 16327), (748, 16333), (757, 16348), (758, 16351), (764, 16372), (765, 16375), (790, 16417), (797, 16447), (808, 16489), (809, 16495),

Gene: Phinally_33 Start: 29134, Stop: 30759, Start Num: 166

Candidate Starts for Phinally_33:

(Start: 119 @29077 has 1 MA's), (Start: 166 @29134 has 18 MA's), (176, 29146), (199, 29179), (206, 29188), (212, 29200), (Start: 232 @29230 has 2 MA's), (245, 29263), (274, 29347), (280, 29359), (313, 29434), (338, 29494), (347, 29524), (440, 29731), (451, 29761), (463, 29803), (464, 29806), (479, 29866), (517, 29914), (537, 29986), (549, 30019), (550, 30022), (566, 30061), (582, 30100), (612, 30187), (613, 30190), (648, 30268), (677, 30328), (689, 30373), (709, 30454), (726, 30508), (761, 30604), (808, 30733), (813, 30748),

Gene: Phineas_19 Start: 16382, Stop: 18118, Start Num: 125

Candidate Starts for Phineas_19:

(Start: 106 @16358 has 2 MA's), (Start: 125 @16382 has 46 MA's), (175, 16442), (189, 16463), (190, 16466), (253, 16586), (265, 16625), (280, 16658), (295, 16682), (342, 16802), (353, 16841), (355, 16847), (385, 16931), (387, 16937), (390, 16949), (396, 16973), (403, 17000), (409, 17018), (429, 17057), (432, 17063), (440, 17087), (458, 17141), (461, 17153), (464, 17162), (479, 17222), (522, 17300), (533, 17339), (545, 17372), (568, 17438), (574, 17453), (578, 17462), (587, 17486), (597, 17516), (602, 17528), (656, 17630), (662, 17642), (663, 17645), (664, 17651), (665, 17660), (696, 17768), (719, 17852), (752, 17951), (800, 18059), (813, 18107),

Gene: PhinkBoden_48 Start: 29995, Stop: 31686, Start Num: 152

Candidate Starts for PhinkBoden_48:

(Start: 152 @29995 has 16 MA's), (193, 30055), (214, 30088), (233, 30121), (280, 30247), (296, 30280), (299, 30289), (348, 30418), (363, 30466), (458, 30679), (459, 30685), (467, 30709), (524, 30838), (531, 30859), (541, 30892), (605, 31090), (678, 31243), (704, 31342), (707, 31354), (710, 31363), (740, 31447), (798, 31594), (807, 31630), (810, 31642),

Gene: Phish_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Phish_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Phishy_22 Start: 18770, Stop: 20428, Start Num: 156

Candidate Starts for Phishy_22:

(59, 18581), (74, 18641), (124, 18734), (Start: 156 @18770 has 2 MA's), (Start: 164 @18782 has 4 MA's), (237, 18896), (239, 18902), (266, 18980), (297, 19046), (299, 19052), (333, 19163), (339, 19172), (346, 19199), (349, 19208), (355, 19229), (437, 19400), (438, 19403), (459, 19469), (464, 19484), (496, 19568), (511, 19577), (524, 19619), (531, 19640), (546, 19688), (550, 19700), (559, 19727), (587, 19796), (611, 19865), (622, 19898), (652, 19955), (677, 20006), (696, 20075), (720,

20162), (725, 20177), (747, 20234), (750, 20243), (783, 20321), (789, 20327),

Gene: PhlipPhlop_16 Start: 14759, Stop: 16468, Start Num: 129

Candidate Starts for PhlipPhlop_16:

(Start: 129 @14759 has 207 MA's), (205, 14846), (Start: 232 @14891 has 2 MA's), (242, 14915), (279, 15020), (287, 15026), (294, 15044), (309, 15074), (347, 15179), (367, 15239), (375, 15257), (376, 15260), (379, 15269), (387, 15293), (432, 15419), (437, 15434), (439, 15440), (452, 15476), (453, 15479), (457, 15491), (458, 15497), (469, 15545), (474, 15557), (475, 15563), (517, 15623), (520, 15635), (531, 15671), (533, 15683), (565, 15758), (568, 15767), (575, 15785), (578, 15791), (590, 15821), (639, 15926), (645, 15938), (659, 15974), (680, 16052), (713, 16172), (723, 16205), (734, 16235), (737, 16247), (743, 16265), (745, 16271), (746, 16274), (748, 16280), (757, 16295), (758, 16298), (764, 16319), (765, 16322), (790, 16364), (797, 16394), (808, 16436), (809, 16442),

Gene: Phloss_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Phloss_18:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249, 15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364, 15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406, 15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477, 15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589, 16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743, 16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: Phoebus_36 Start: 27621, Stop: 29619, Start Num: 131

Candidate Starts for Phoebus_36:

(Start: 131 @27621 has 77 MA's), (Start: 203 @27711 has 47 MA's), (229, 27759), (242, 27789), (295, 27918), (310, 27948), (345, 28047), (355, 28083), (365, 28110), (390, 28182), (393, 28191), (398, 28212), (425, 28281), (439, 28320), (440, 28323), (446, 28338), (458, 28377), (469, 28425), (474, 28437), (475, 28443), (506, 28491), (511, 28500), (518, 28521), (522, 28539), (536, 28587), (575, 28689), (602, 28761), (615, 28806), (616, 28818), (617, 28953), (618, 28959), (619, 28983), (630, 29055), (637, 29082), (714, 29331),

Gene: Phomeo_40 Start: 30475, Stop: 32088, Start Num: 178

Candidate Starts for Phomeo_40:

(Start: 178 @30475 has 37 MA's), (Start: 207 @30511 has 1 MA's), (216, 30529), (245, 30589), (338, 30829), (342, 30841), (346, 30856), (369, 30922), (375, 30937), (383, 30961), (384, 30964), (413, 31048), (438, 31078), (439, 31081), (458, 31138), (469, 31186), (471, 31189), (477, 31210), (531, 31315), (549, 31360), (567, 31402), (627, 31576), (636, 31606), (637, 31612), (691, 31720), (692, 31723), (713, 31798), (797, 32017), (813, 32074),

Gene: PhorbesPhlower_18 Start: 15153, Stop: 16865, Start Num: 147

Candidate Starts for PhorbesPhlower_18:

(Start: 147 @15153 has 24 MA's), (157, 15165), (186, 15207), (245, 15309), (271, 15381), (304, 15462), (318, 15513), (331, 15546), (346, 15588), (348, 15594), (362, 15642), (382, 15693), (393, 15729), (433, 15771), (440, 15792), (443, 15798), (450, 15822), (463, 15873), (464, 15876), (471, 15906), (596, 16218), (620, 16284), (628, 16314), (672, 16407), (677, 16428), (679, 16440), (681, 16446), (683, 16452), (685, 16458), (699, 16512), (707, 16542), (727, 16611), (757, 16698), (759, 16704), (766, 16728), (776, 16755),

Gene: Phrank_22 Start: 16326, Stop: 18092, Start Num: 120

Candidate Starts for Phrank_22:

(Start: 111 @16317 has 26 MA's), (Start: 120 @16326 has 139 MA's), (Start: 148 @16356 has 2 MA's), (Start: 232 @16482 has 2 MA's), (237, 16497), (245, 16515), (255, 16548), (265, 16578), (287,

16623), (315, 16713), (330, 16749), (358, 16827), (360, 16836), (390, 16920), (393, 16929), (397, 16941), (398, 16944), (417, 16983), (433, 16998), (439, 17016), (454, 17058), (456, 17064), (521, 17247), (540, 17307), (575, 17391), (583, 17409), (604, 17469), (628, 17544), (635, 17568), (666, 17628), (676, 17661), (677, 17664), (681, 17682), (688, 17703), (707, 17778), (723, 17829), (725, 17835), (733, 17856), (761, 17928), (786, 17979), (809, 18063), (810, 18066), (817, 18084),

Gene: Phrann_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Phrann_18:

(Start: 134 @14993 has 43 MA's), (161, 15020), (189, 15059), (Start: 232 @15125 has 2 MA's), (236, 15137), (249, 15173), (256, 15197), (265, 15224), (274, 15245), (279, 15254), (287, 15260), (299, 15293), (364, 15467), (367, 15473), (371, 15482), (375, 15491), (379, 15503), (387, 15527), (398, 15569), (406, 15602), (432, 15653), (433, 15656), (437, 15668), (452, 15710), (457, 15725), (458, 15731), (469, 15779), (493, 15833), (517, 15857), (537, 15929), (557, 15983), (565, 15992), (568, 16001), (578, 16025), (589, 16052), (590, 16055), (639, 16160), (643, 16169), (659, 16208), (681, 16289), (697, 16346), (706, 16385), (743, 16499), (757, 16529), (758, 16532), (765, 16556), (786, 16592),

Gene: Phreak_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Phreak_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: PhriskyACE_19 Start: 16822, Stop: 18402, Start Num: 167

Candidate Starts for PhriskyACE_19:

(11, 16045), (20, 16201), (36, 16396), (40, 16432), (41, 16435), (47, 16519), (49, 16525), (63, 16651), (83, 16705), (Start: 167 @16822 has 53 MA's), (266, 16993), (302, 17080), (309, 17098), (310, 17101), (327, 17155), (344, 17194), (361, 17251), (370, 17272), (456, 17443), (460, 17461), (468, 17485), (472, 17506), (513, 17548), (543, 17629), (584, 17719), (621, 17821), (637, 17878), (680, 17968), (761, 18247), (764, 18256), (774, 18286),

Gene: PhrostedPhlake_20 Start: 17026, Stop: 18672, Start Num: 171

Candidate Starts for PhrostedPhlake_20:

(143, 16990), (Start: 171 @17026 has 46 MA's), (237, 17128), (251, 17164), (262, 17206), (294, 17266), (309, 17305), (319, 17344), (344, 17389), (348, 17404), (354, 17425), (375, 17479), (380, 17494), (458, 17665), (467, 17695), (541, 17878), (549, 17902), (605, 18046), (612, 18058), (631, 18118), (677, 18250), (678, 18253), (704, 18352), (709, 18370), (725, 18421), (748, 18481), (750, 18487), (772, 18550), (782, 18562),

Gene: Phrux_24 Start: 19487, Stop: 21166, Start Num: 137

Candidate Starts for Phrux_24:

(Start: 137 @19487 has 79 MA's), (Start: 203 @19571 has 47 MA's), (Start: 244 @19649 has 1 MA's), (274, 19736), (287, 19751), (309, 19799), (321, 19838), (353, 19925), (365, 19958), (379, 19994), (388, 20024), (390, 20030), (409, 20099), (435, 20129), (438, 20141), (439, 20144), (458, 20201), (518, 20333), (519, 20339), (538, 20405), (541, 20411), (549, 20435), (568, 20483), (578, 20507), (582, 20516), (606, 20591), (643, 20642), (650, 20657), (698, 20819), (704, 20846), (713, 20876), (747, 20981), (786, 21059), (797, 21095), (800, 21104), (808, 21137), (813, 21152),

Gene: Piatt_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Piatt_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Pickett_17 Start: 14682, Stop: 16391, Start Num: 169

Candidate Starts for Pickett_17:

(77, 14547), (Start: 169 @14682 has 31 MA's), (238, 14799), (260, 14871), (261, 14874), (279, 14910), (295, 14949), (302, 14970), (340, 15072), (370, 15162), (372, 15165), (410, 15297), (431, 15351), (445, 15402), (455, 15432), (469, 15492), (474, 15504), (513, 15540), (526, 15579), (543, 15621), (556, 15657), (570, 15675), (576, 15690), (585, 15714), (613, 15786), (621, 15810), (671, 15918), (701, 16044), (705, 16059), (718, 16101), (749, 16194), (750, 16197), (764, 16245), (774, 16275), (790, 16293), (791, 16305), (803, 16344),

Gene: Pimento_23 Start: 17041, Stop: 18747, Start Num: 172

Candidate Starts for Pimento_23:

(Start: 106 @16966 has 2 MA's), (Start: 172 @17041 has 16 MA's), (Start: 232 @17134 has 2 MA's), (237, 17149), (239, 17155), (264, 17230), (281, 17266), (296, 17302), (332, 17413), (348, 17458), (353, 17476), (358, 17488), (437, 17659), (440, 17668), (443, 17674), (454, 17707), (470, 17770), (483, 17821), (504, 17845), (516, 17869), (537, 17944), (551, 17983), (602, 18115), (637, 18229), (676, 18316), (706, 18430), (709, 18439), (746, 18544), (783, 18631), (817, 18739),

Gene: PinkYoshi_18 Start: 16631, Stop: 18394, Start Num: 111

Candidate Starts for PinkYoshi_18:

(Start: 111 @16631 has 26 MA's), (Start: 142 @16640 has 43 MA's), (Start: 148 @16646 has 2 MA's), (155, 16652), (237, 16784), (255, 16835), (265, 16865), (275, 16889), (313, 16991), (328, 17030), (330, 17036), (338, 17051), (351, 17096), (393, 17216), (418, 17273), (439, 17312), (456, 17360), (463, 17387), (467, 17399), (491, 17480), (517, 17525), (587, 17723), (598, 17753), (604, 17771), (613, 17798), (638, 17882), (653, 17900), (662, 17915), (676, 17963), (679, 17978), (698, 18041), (713, 18098), (725, 18137), (742, 18179), (761, 18230), (800, 18326), (817, 18386),

Gene: Pinnie_19 Start: 17358, Stop: 19082, Start Num: 148

Candidate Starts for Pinnie_19:

(Start: 148 @17358 has 2 MA's), (233, 17478), (255, 17541), (262, 17568), (265, 17571), (313, 17697), (317, 17712), (328, 17736), (330, 17742), (333, 17748), (351, 17802), (393, 17922), (439, 18018), (443, 18027), (454, 18060), (456, 18066), (467, 18105), (517, 18231), (534, 18294), (587, 18423), (604, 18471), (613, 18498), (624, 18534), (638, 18582), (653, 18588), (684, 18681), (713, 18786), (740, 18861), (800, 19014), (810, 19056), (811, 19059),

Gene: Piper2020_17 Start: 14677, Stop: 16386, Start Num: 129

Candidate Starts for Piper2020_17:

(Start: 129 @14677 has 207 MA's), (205, 14764), (Start: 232 @14809 has 2 MA's), (242, 14833), (279, 14938), (287, 14944), (294, 14962), (309, 14992), (347, 15097), (367, 15157), (371, 15166), (375, 15175), (376, 15178), (379, 15187), (387, 15211), (406, 15286), (411, 15298), (424, 15313), (425, 15319), (432, 15337), (437, 15352), (439, 15358), (446, 15376), (447, 15379), (452, 15394), (457, 15409), (458, 15415), (469, 15463), (474, 15475), (475, 15481), (517, 15541), (520, 15553), (531, 15589), (533, 15601), (541, 15622), (565, 15676), (568, 15685), (575, 15703), (578, 15709), (590, 15739), (639, 15844), (645, 15856), (659, 15892), (680, 15970), (706, 16069), (723, 16123), (734, 16153), (737, 16165), (743, 16183), (745, 16189), (746, 16192), (748, 16198), (757, 16213), (758, 16216), (764, 16237), (765, 16240), (782, 16270), (790, 16282), (808, 16354),

Gene: Pipp_19 Start: 16644, Stop: 18290, Start Num: 171

Candidate Starts for Pipp_19:

(143, 16608), (Start: 171 @16644 has 46 MA's), (237, 16746), (262, 16824), (309, 16923), (319, 16962), (354, 17043), (375, 17097), (380, 17112), (433, 17208), (458, 17283), (467, 17313), (541, 17496), (549, 17520), (571, 17571), (605, 17664), (612, 17676), (626, 17721), (631, 17736), (677, 17868), (678, 17871), (704, 17970), (709, 17988), (725, 18039), (748, 18099), (750, 18105), (772, 18168), (782, 18180),

Gene: Pippy_16 Start: 14798, Stop: 16507, Start Num: 129

Candidate Starts for Pippy_16:

(Start: 129 @14798 has 207 MA's), (205, 14885), (Start: 232 @14930 has 2 MA's), (242, 14954), (279, 15059), (287, 15065), (294, 15083), (309, 15113), (347, 15218), (367, 15278), (376, 15299), (379, 15308), (387, 15332), (432, 15458), (437, 15473), (439, 15479), (452, 15515), (453, 15518), (457, 15530), (458, 15536), (469, 15584), (474, 15596), (475, 15602), (517, 15662), (520, 15674), (531, 15710), (533, 15722), (565, 15797), (568, 15806), (575, 15824), (578, 15830), (590, 15860), (639, 15965), (643, 15974), (645, 15977), (659, 16013), (680, 16091), (706, 16190), (713, 16211), (723, 16244), (734, 16274), (743, 16304), (746, 16313), (748, 16319), (757, 16334), (758, 16337), (765, 16361), (782, 16391), (790, 16403), (797, 16433), (808, 16475),

Gene: Pipsqueaks_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Pipsqueaks_18:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249, 15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364, 15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406, 15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477, 15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589, 16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743, 16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: Pixie_22 Start: 17358, Stop: 19121, Start Num: 120

Candidate Starts for Pixie_22:

(Start: 111 @17349 has 26 MA's), (Start: 120 @17358 has 139 MA's), (208, 17460), (237, 17517), (255, 17568), (265, 17598), (275, 17622), (358, 17853), (360, 17862), (365, 17874), (397, 17967), (398, 17970), (439, 18042), (443, 18051), (454, 18084), (456, 18090), (467, 18129), (475, 18165), (517, 18255), (534, 18318), (569, 18405), (604, 18498), (628, 18573), (666, 18654), (679, 18702), (687, 18726), (695, 18753), (709, 18810), (723, 18855), (761, 18957), (770, 18984), (797, 19044), (800, 19053), (805, 19074), (809, 19092), (811, 19098), (817, 19113),

Gene: Plagueis_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Plagueis_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Pleakley_50 Start: 30683, Stop: 32302, Start Num: 178

Candidate Starts for Pleakley_50:

(Start: 178 @30683 has 37 MA's), (189, 30698), (216, 30737), (245, 30797), (273, 30881), (346, 31064), (369, 31130), (375, 31145), (387, 31181), (413, 31256), (438, 31286), (439, 31289), (446, 31307), (458, 31346), (467, 31376), (553, 31580), (567, 31610), (586, 31658), (587, 31661), (627, 31784), (637, 31820), (713, 32006), (768, 32159), (793, 32213), (797, 32225), (801, 32237), (813,

32282),

Gene: Plumbus_17 Start: 14635, Stop: 16344, Start Num: 129

Candidate Starts for Plumbus_17:

(Start: 129 @14635 has 207 MA's), (205, 14722), (Start: 232 @14767 has 2 MA's), (242, 14791), (248, 14812), (279, 14896), (287, 14902), (294, 14920), (309, 14950), (347, 15055), (367, 15115), (376, 15136), (379, 15145), (387, 15169), (432, 15295), (437, 15310), (439, 15316), (452, 15352), (453, 15355), (457, 15367), (458, 15373), (469, 15421), (474, 15433), (475, 15439), (517, 15499), (520, 15511), (531, 15547), (533, 15559), (565, 15634), (568, 15643), (575, 15661), (578, 15667), (590, 15697), (639, 15802), (643, 15811), (645, 15814), (659, 15850), (680, 15928), (706, 16027), (713, 16048), (723, 16081), (734, 16111), (743, 16141), (746, 16150), (748, 16156), (757, 16171), (758, 16174), (765, 16198), (782, 16228), (790, 16240), (797, 16270), (808, 16312),

Gene: Poenanya_16 Start: 14940, Stop: 16649, Start Num: 129

Candidate Starts for Poenanya_16:

(Start: 129 @14940 has 207 MA's), (205, 15027), (Start: 232 @15072 has 2 MA's), (242, 15096), (279, 15201), (287, 15207), (294, 15225), (309, 15255), (347, 15360), (367, 15420), (376, 15441), (379, 15450), (387, 15474), (406, 15549), (432, 15600), (437, 15615), (439, 15621), (452, 15657), (453, 15660), (457, 15672), (458, 15678), (469, 15726), (474, 15738), (475, 15744), (517, 15804), (520, 15816), (531, 15852), (533, 15864), (565, 15939), (568, 15948), (575, 15966), (578, 15972), (590, 16002), (639, 16107), (645, 16119), (659, 16155), (680, 16233), (706, 16332), (713, 16353), (723, 16386), (734, 16416), (743, 16446), (745, 16452), (746, 16455), (748, 16461), (757, 16476), (758, 16479), (764, 16500), (765, 16503), (790, 16545), (808, 16617), (809, 16623),

Gene: Poise_50 Start: 26718, Stop: 28430, Start Num: 131

Candidate Starts for Poise_50:

(90, 26655), (Start: 131 @26718 has 77 MA's), (196, 26799), (237, 26856), (262, 26937), (266, 26943), (291, 27000), (295, 27012), (299, 27024), (313, 27063), (317, 27078), (346, 27147), (362, 27201), (366, 27210), (443, 27366), (458, 27414), (460, 27423), (463, 27432), (473, 27471), (477, 27486), (517, 27549), (520, 27561), (556, 27678), (557, 27681), (575, 27732), (586, 27759), (587, 27762), (593, 27783), (607, 27825), (665, 27945), (672, 27963), (709, 28107), (723, 28152), (727, 28170), (756, 28254), (759, 28263), (764, 28281), (771, 28302), (794, 28347), (796, 28353), (800, 28365), (803, 28377), (806, 28389), (813, 28413), (815, 28419),

Gene: Pokerus_22 Start: 17105, Stop: 18871, Start Num: 120

Candidate Starts for Pokerus_22:

(Start: 120 @17105 has 139 MA's), (Start: 148 @17135 has 2 MA's), (245, 17294), (255, 17327), (265, 17357), (280, 17390), (315, 17492), (333, 17534), (358, 17606), (360, 17615), (376, 17654), (390, 17699), (397, 17720), (398, 17723), (433, 17777), (439, 17795), (454, 17837), (456, 17843), (463, 17870), (517, 18008), (521, 18026), (533, 18068), (540, 18086), (551, 18116), (564, 18143), (604, 18248), (666, 18407), (677, 18443), (685, 18473), (688, 18482), (707, 18557), (723, 18608), (800, 18803), (809, 18842), (810, 18845), (817, 18863),

Gene: Policronamos_24 Start: 19858, Stop: 21453, Start Num: 203

Candidate Starts for Policronamos_24:

(Start: 137 @19774 has 79 MA's), (Start: 203 @19858 has 47 MA's), (Start: 244 @19936 has 1 MA's), (274, 20023), (287, 20038), (309, 20086), (321, 20125), (353, 20212), (365, 20245), (379, 20281), (388, 20311), (390, 20317), (409, 20386), (435, 20416), (438, 20428), (439, 20431), (458, 20488), (518, 20620), (519, 20626), (538, 20692), (541, 20698), (549, 20722), (568, 20770), (578, 20794), (582, 20803), (606, 20878), (643, 20929), (650, 20944), (698, 21106), (704, 21133), (713, 21163), (747, 21268), (786, 21346), (797, 21382), (800, 21391), (808, 21424), (813, 21439),

Gene: Polka14_17 Start: 15348, Stop: 17057, Start Num: 129

Candidate Starts for Polka14_17:

(Start: 129 @15348 has 207 MA's), (205, 15435), (Start: 232 @15480 has 2 MA's), (242, 15504), (279, 15609), (287, 15615), (294, 15633), (309, 15663), (347, 15768), (367, 15828), (376, 15849), (379, 15858), (387, 15882), (432, 16008), (437, 16023), (439, 16029), (452, 16065), (453, 16068), (457, 16080), (458, 16086), (469, 16134), (474, 16146), (475, 16152), (517, 16212), (520, 16224), (531, 16260), (533, 16272), (541, 16293), (565, 16347), (568, 16356), (575, 16374), (578, 16380), (590, 16410), (639, 16515), (645, 16527), (659, 16563), (671, 16602), (680, 16641), (706, 16740), (713, 16761), (723, 16794), (734, 16824), (743, 16854), (745, 16860), (746, 16863), (748, 16869), (757, 16884), (758, 16887), (764, 16908), (765, 16911), (790, 16953), (797, 16983), (808, 17025),

Gene: Polkaroo_19 Start: 16401, Stop: 18137, Start Num: 125

Candidate Starts for Polkaroo_19:

(Start: 106 @16377 has 2 MA's), (Start: 125 @16401 has 46 MA's), (175, 16461), (189, 16482), (190, 16485), (253, 16605), (265, 16644), (280, 16677), (295, 16701), (342, 16821), (353, 16860), (355, 16866), (385, 16950), (387, 16956), (390, 16968), (396, 16992), (403, 17019), (409, 17037), (429, 17076), (432, 17082), (440, 17106), (458, 17160), (461, 17172), (464, 17181), (479, 17241), (522, 17319), (533, 17358), (545, 17391), (568, 17457), (574, 17472), (578, 17481), (587, 17505), (597, 17535), (602, 17547), (656, 17649), (662, 17661), (663, 17664), (664, 17670), (665, 17679), (696, 17787), (719, 17871), (752, 17970), (808, 18111), (813, 18126),

Gene: Pollux_20 Start: 17566, Stop: 19272, Start Num: 147

Candidate Starts for Pollux_20:

(Start: 125 @17542 has 46 MA's), (Start: 147 @17566 has 24 MA's), (224, 17671), (Start: 244 @17713 has 1 MA's), (271, 17788), (313, 17902), (362, 18049), (365, 18055), (382, 18100), (451, 18238), (471, 18313), (586, 18595), (592, 18616), (620, 18691), (657, 18778), (672, 18814), (679, 18847), (681, 18853), (699, 18919), (707, 18949), (757, 19105), (759, 19111), (764, 19129), (806, 19240),

Gene: Polly_19 Start: 17773, Stop: 19371, Start Num: 167

Candidate Starts for Polly_19:

(Start: 167 @17773 has 53 MA's), (299, 18022), (302, 18031), (309, 18049), (310, 18052), (327, 18106), (354, 18181), (380, 18250), (381, 18259), (385, 18271), (400, 18322), (406, 18349), (410, 18358), (411, 18361), (455, 18391), (456, 18394), (469, 18451), (513, 18517), (542, 18595), (553, 18628), (570, 18652), (584, 18688), (621, 18790), (637, 18847), (668, 18892), (671, 18898), (680, 18937), (750, 19177), (774, 19255),

Gene: Polyuki_45 Start: 31365, Stop: 32939, Start Num: 187

Candidate Starts for Polyuki_45:

(Start: 187 @31365 has 8 MA's), (193, 31374), (230, 31428), (Start: 244 @31452 has 1 MA's), (245, 31455), (347, 31725), (369, 31788), (375, 31803), (435, 31920), (439, 31935), (458, 31992), (460, 32001), (471, 32043), (477, 32064), (495, 32094), (526, 32151), (553, 32226), (592, 32322), (627, 32427), (628, 32430), (636, 32457), (681, 32535), (692, 32574), (742, 32730), (766, 32796),

Gene: Pons_18 Start: 15412, Stop: 17109, Start Num: 150

Candidate Starts for Pons_18:

(Start: 150 @15412 has 7 MA's), (Start: 154 @15415 has 33 MA's), (226, 15514), (Start: 244 @15556 has 1 MA's), (251, 15577), (297, 15694), (334, 15796), (362, 15883), (375, 15913), (384, 15940), (398, 15985), (408, 16003), (432, 16018), (437, 16033), (454, 16090), (463, 16123), (467, 16135), (474, 16165), (500, 16222), (516, 16240), (525, 16270), (535, 16300), (540, 16315), (555, 16363), (573, 16414), (587, 16450), (591, 16465), (599, 16483), (620, 16540), (677, 16669), (679, 16681), (706, 16780), (707, 16783), (713, 16801), (739, 16879), (748, 16906), (759, 16948), (810, 17095), (813, 17101),

Gene: Pochiewood_18 Start: 16704, Stop: 18515, Start Num: 80

Candidate Starts for Poochiewood_18:

(Start: 70 @16683 has 1 MA's), (80, 16704), (85, 16719), (Start: 98 @16746 has 41 MA's), (174, 16839), (Start: 207 @16887 has 1 MA's), (210, 16893), (236, 16920), (237, 16923), (239, 16929), (261, 17001), (266, 17010), (278, 17034), (285, 17049), (295, 17079), (344, 17205), (346, 17214), (352, 17235), (357, 17250), (382, 17319), (393, 17355), (404, 17376), (447, 17445), (458, 17484), (517, 17622), (520, 17634), (543, 17709), (545, 17715), (550, 17733), (563, 17772), (575, 17805), (579, 17814), (583, 17823), (586, 17832), (587, 17835), (628, 17955), (638, 17991), (672, 18039), (675, 18051), (689, 18105), (715, 18201), (720, 18219), (722, 18225), (723, 18228), (736, 18261), (744, 18285), (764, 18348), (779, 18390), (794, 18429), (800, 18447), (805, 18468), (810, 18489),

Gene: PopTart_16 Start: 14854, Stop: 16563, Start Num: 129

Candidate Starts for PopTart_16:

(Start: 129 @14854 has 207 MA's), (205, 14941), (Start: 232 @14986 has 2 MA's), (242, 15010), (279, 15115), (287, 15121), (294, 15139), (309, 15169), (347, 15274), (367, 15334), (371, 15343), (375, 15352), (376, 15355), (379, 15364), (387, 15388), (432, 15514), (437, 15529), (439, 15535), (452, 15571), (453, 15574), (457, 15586), (458, 15592), (469, 15640), (474, 15652), (475, 15658), (517, 15718), (520, 15730), (531, 15766), (533, 15778), (565, 15853), (568, 15862), (575, 15880), (578, 15886), (590, 15916), (639, 16021), (643, 16030), (645, 16033), (659, 16069), (680, 16147), (706, 16246), (713, 16267), (723, 16300), (734, 16330), (743, 16360), (746, 16369), (748, 16375), (757, 16390), (758, 16393), (765, 16417), (782, 16447), (790, 16459), (797, 16489), (808, 16531),

Gene: Porcelain_33 Start: 24890, Stop: 26623, Start Num: 131

Candidate Starts for Porcelain_33:

(Start: 131 @24890 has 77 MA's), (Start: 203 @24980 has 47 MA's), (205, 24983), (242, 25058), (251, 25085), (274, 25151), (295, 25187), (310, 25217), (313, 25232), (345, 25316), (355, 25352), (365, 25379), (380, 25418), (390, 25451), (393, 25460), (407, 25517), (428, 25559), (455, 25634), (458, 25646), (474, 25706), (506, 25760), (518, 25790), (522, 25808), (526, 25817), (534, 25850), (538, 25862), (541, 25868), (554, 25907), (578, 25964), (650, 26114), (656, 26132), (670, 26174), (676, 26198), (677, 26201), (680, 26216), (689, 26246), (698, 26276), (713, 26333), (767, 26483), (810, 26603), (813, 26609),

Gene: Porky_24 Start: 19667, Stop: 21262, Start Num: 203

Candidate Starts for Porky_24:

(Start: 137 @19583 has 79 MA's), (Start: 203 @19667 has 47 MA's), (Start: 244 @19745 has 1 MA's), (274, 19832), (287, 19847), (309, 19895), (321, 19934), (353, 20021), (365, 20054), (379, 20090), (388, 20120), (390, 20126), (409, 20195), (435, 20225), (438, 20237), (439, 20240), (458, 20297), (518, 20429), (519, 20435), (538, 20501), (541, 20507), (549, 20531), (568, 20579), (578, 20603), (582, 20612), (606, 20687), (643, 20738), (650, 20753), (698, 20915), (704, 20942), (713, 20972), (747, 21077), (786, 21155), (797, 21191), (800, 21200), (808, 21233), (813, 21248),

Gene: Posh_20 Start: 17530, Stop: 19236, Start Num: 147

Candidate Starts for Posh_20:

(Start: 125 @17506 has 46 MA's), (Start: 147 @17530 has 24 MA's), (224, 17635), (Start: 244 @17677 has 1 MA's), (271, 17752), (313, 17866), (362, 18013), (365, 18019), (382, 18064), (451, 18202), (471, 18277), (586, 18559), (592, 18580), (620, 18655), (657, 18742), (672, 18778), (679, 18811), (681, 18817), (699, 18883), (707, 18913), (757, 19069), (759, 19075), (764, 19093), (806, 19204),

Gene: PotPie_18 Start: 16277, Stop: 17974, Start Num: 150

Candidate Starts for PotPie_18:

(Start: 150 @16277 has 7 MA's), (Start: 154 @16280 has 33 MA's), (226, 16379), (Start: 244 @16421 has 1 MA's), (334, 16661), (362, 16748), (372, 16769), (375, 16778), (384, 16805), (398, 16850), (432, 16883), (437, 16898), (446, 16922), (454, 16955), (463, 16988), (467, 17000), (480, 17057), (516, 17105), (525, 17135), (535, 17165), (540, 17180), (555, 17228), (573, 17279), (587, 17315), (591,

17330), (599, 17348), (620, 17405), (622, 17414), (677, 17534), (679, 17546), (693, 17594), (706, 17645), (707, 17648), (713, 17666), (739, 17744), (748, 17771), (759, 17813), (810, 17960), (813, 17966),

Gene: PotatoChip_34 Start: 29329, Stop: 30927, Start Num: 183

Candidate Starts for PotatoChip_34:

(Start: 183 @29329 has 8 MA's), (247, 29428), (270, 29497), (289, 29536), (337, 29671), (355, 29731), (428, 29884), (435, 29896), (437, 29905), (438, 29908), (454, 29953), (458, 29968), (460, 29977), (463, 29986), (477, 30040), (482, 30058), (521, 30112), (602, 30328), (632, 30421), (686, 30529), (699, 30583), (722, 30658), (766, 30787), (812, 30913),

Gene: Powerball_19 Start: 16819, Stop: 18399, Start Num: 167

Candidate Starts for Powerball_19:

(Start: 167 @16819 has 53 MA's), (302, 17077), (310, 17098), (327, 17152), (337, 17170), (344, 17191), (361, 17248), (370, 17269), (456, 17440), (460, 17458), (468, 17482), (472, 17503), (513, 17545), (543, 17626), (584, 17716), (621, 17818), (622, 17821), (637, 17875), (761, 18244), (764, 18253), (766, 18259), (774, 18283), (786, 18295),

Gene: PrincePatrick_19 Start: 16814, Stop: 18463, Start Num: 171

Candidate Starts for PrincePatrick_19:

(28, 16283), (32, 16313), (33, 16319), (43, 16451), (50, 16508), (52, 16517), (79, 16676), (143, 16778), (Start: 171 @16814 has 46 MA's), (237, 16919), (262, 16997), (294, 17057), (298, 17069), (299, 17072), (375, 17270), (380, 17285), (385, 17300), (427, 17369), (433, 17381), (436, 17390), (437, 17393), (444, 17414), (458, 17456), (467, 17486), (541, 17669), (549, 17693), (571, 17744), (605, 17837), (612, 17849), (625, 17891), (631, 17909), (678, 18044), (704, 18143), (709, 18161), (725, 18212), (748, 18272), (750, 18278), (782, 18353),

Gene: Pringar_50 Start: 27006, Stop: 28718, Start Num: 131

Candidate Starts for Pringar_50:

(90, 26943), (Start: 131 @27006 has 77 MA's), (196, 27087), (237, 27144), (262, 27225), (266, 27231), (291, 27288), (295, 27300), (299, 27312), (313, 27351), (317, 27366), (346, 27435), (362, 27489), (366, 27498), (443, 27654), (458, 27702), (460, 27711), (463, 27720), (473, 27759), (477, 27774), (517, 27837), (520, 27849), (556, 27966), (557, 27969), (575, 28020), (586, 28047), (587, 28050), (593, 28071), (607, 28113), (665, 28233), (672, 28251), (709, 28395), (723, 28440), (727, 28458), (756, 28542), (759, 28551), (764, 28569), (771, 28590), (794, 28635), (796, 28641), (800, 28653), (803, 28665), (806, 28677), (813, 28701), (815, 28707),

Gene: Priscilla_16 Start: 14816, Stop: 16525, Start Num: 129

Candidate Starts for Priscilla_16:

(Start: 129 @14816 has 207 MA's), (205, 14903), (Start: 232 @14948 has 2 MA's), (242, 14972), (279, 15077), (287, 15083), (294, 15101), (309, 15131), (347, 15236), (367, 15296), (376, 15317), (379, 15326), (387, 15350), (406, 15425), (407, 15428), (432, 15476), (437, 15491), (439, 15497), (452, 15533), (453, 15536), (457, 15548), (458, 15554), (469, 15602), (474, 15614), (475, 15620), (517, 15680), (520, 15692), (531, 15728), (533, 15740), (565, 15815), (568, 15824), (575, 15842), (578, 15848), (590, 15878), (639, 15983), (645, 15995), (659, 16031), (680, 16109), (713, 16229), (723, 16262), (734, 16292), (743, 16322), (746, 16331), (748, 16337), (757, 16352), (758, 16355), (765, 16379), (782, 16409), (790, 16421), (797, 16451), (808, 16493),

Gene: Prithvi_23 Start: 17122, Stop: 18888, Start Num: 120

Candidate Starts for Prithvi_23:

(Start: 120 @17122 has 139 MA's), (Start: 148 @17152 has 2 MA's), (245, 17311), (255, 17344), (265, 17374), (280, 17407), (287, 17419), (315, 17509), (333, 17551), (354, 17614), (358, 17623), (360, 17632), (376, 17671), (390, 17716), (397, 17737), (398, 17740), (439, 17812), (454, 17854), (456,

17860), (463, 17887), (517, 18025), (521, 18043), (533, 18085), (540, 18103), (551, 18133), (564, 18160), (604, 18265), (666, 18424), (677, 18460), (685, 18490), (688, 18499), (707, 18574), (723, 18625), (800, 18820), (809, 18859), (810, 18862), (817, 18880),

Gene: PsychoKiller_18 Start: 15729, Stop: 17429, Start Num: 150

Candidate Starts for PsychoKiller_18:

(Start: 150 @15729 has 7 MA's), (Start: 154 @15732 has 33 MA's), (265, 15942), (313, 16065), (334, 16116), (362, 16203), (366, 16212), (375, 16233), (380, 16248), (384, 16260), (432, 16338), (436, 16350), (446, 16377), (454, 16410), (463, 16443), (467, 16455), (477, 16497), (535, 16620), (558, 16692), (587, 16770), (591, 16785), (599, 16803), (620, 16860), (666, 16953), (677, 16989), (679, 17001), (681, 17007), (685, 17019), (688, 17028), (706, 17100), (707, 17103), (709, 17109), (713, 17121), (731, 17181), (748, 17226), (751, 17235), (759, 17268), (790, 17334),

Gene: Pumpkin_26 Start: 19910, Stop: 21505, Start Num: 203

Candidate Starts for Pumpkin_26:

(Start: 137 @19826 has 79 MA's), (Start: 203 @19910 has 47 MA's), (Start: 244 @19988 has 1 MA's), (274, 20075), (287, 20090), (309, 20138), (321, 20177), (353, 20264), (365, 20297), (379, 20333), (388, 20363), (390, 20369), (409, 20438), (435, 20468), (438, 20480), (439, 20483), (458, 20540), (518, 20672), (519, 20678), (538, 20744), (541, 20750), (549, 20774), (568, 20822), (578, 20846), (582, 20855), (606, 20930), (643, 20981), (650, 20996), (698, 21158), (704, 21185), (713, 21215), (747, 21320), (786, 21398), (797, 21434), (800, 21443), (808, 21476), (813, 21491),

Gene: Puppies_18 Start: 15139, Stop: 16755, Start Num: 160

Candidate Starts for Puppies_18:

(Start: 160 @15139 has 11 MA's), (228, 15235), (295, 15403), (318, 15466), (363, 15589), (422, 15706), (454, 15784), (474, 15859), (483, 15892), (532, 15985), (537, 16006), (583, 16123), (602, 16165), (605, 16183), (612, 16195), (613, 16198), (667, 16303), (670, 16309), (674, 16324), (689, 16381), (761, 16600), (801, 16699),

Gene: Purgamenstris_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Purgamenstris_18:

(Start: 134 @14993 has 43 MA's), (161, 15020), (189, 15059), (Start: 232 @15125 has 2 MA's), (236, 15137), (249, 15173), (256, 15197), (265, 15224), (274, 15245), (279, 15254), (287, 15260), (299, 15293), (364, 15467), (367, 15473), (371, 15482), (375, 15491), (379, 15503), (387, 15527), (398, 15569), (406, 15602), (432, 15653), (433, 15656), (437, 15668), (452, 15710), (457, 15725), (458, 15731), (469, 15779), (493, 15833), (517, 15857), (537, 15929), (557, 15983), (565, 15992), (568, 16001), (578, 16025), (589, 16052), (590, 16055), (639, 16160), (643, 16169), (659, 16208), (681, 16289), (697, 16346), (706, 16385), (743, 16499), (757, 16529), (758, 16532), (765, 16556), (786, 16592),

Gene: Purky_18 Start: 15971, Stop: 17707, Start Num: 125

Candidate Starts for Purky_18:

(Start: 125 @15971 has 46 MA's), (190, 16055), (226, 16106), (228, 16109), (253, 16175), (258, 16196), (265, 16214), (280, 16247), (295, 16271), (338, 16379), (342, 16391), (353, 16430), (355, 16436), (365, 16466), (375, 16490), (393, 16547), (394, 16550), (409, 16607), (429, 16646), (432, 16652), (440, 16676), (458, 16730), (464, 16751), (479, 16811), (522, 16889), (545, 16961), (568, 17027), (578, 17051), (587, 17075), (597, 17105), (602, 17117), (656, 17219), (662, 17231), (696, 17357), (719, 17441), (723, 17453), (742, 17510), (813, 17696),

Gene: Pygmy_18 Start: 16108, Stop: 17844, Start Num: 125

Candidate Starts for Pygmy_18:

(Start: 106 @16084 has 2 MA's), (Start: 125 @16108 has 46 MA's), (175, 16168), (189, 16189), (190, 16192), (253, 16312), (265, 16351), (280, 16384), (295, 16408), (342, 16528), (353, 16567), (355,

16573), (385, 16657), (387, 16663), (390, 16675), (396, 16699), (403, 16726), (409, 16744), (429, 16783), (432, 16789), (440, 16813), (458, 16867), (461, 16879), (464, 16888), (479, 16948), (522, 17026), (533, 17065), (545, 17098), (568, 17164), (574, 17179), (578, 17188), (587, 17212), (597, 17242), (602, 17254), (656, 17356), (662, 17368), (663, 17371), (664, 17377), (665, 17386), (696, 17494), (719, 17578), (752, 17677), (800, 17785), (813, 17833),

Gene: Pytheas_20 Start: 17676, Stop: 19382, Start Num: 147

Candidate Starts for Pytheas_20:

(Start: 125 @17652 has 46 MA's), (Start: 147 @17676 has 24 MA's), (224, 17781), (Start: 244 @17823 has 1 MA's), (271, 17898), (313, 18012), (362, 18159), (365, 18165), (451, 18348), (471, 18423), (586, 18705), (592, 18726), (620, 18801), (672, 18924), (679, 18957), (681, 18963), (699, 19029), (707, 19059), (757, 19215), (759, 19221), (764, 19239), (806, 19350),

Gene: Quallification_25 Start: 19952, Stop: 21631, Start Num: 137

Candidate Starts for Quallification_25:

(Start: 137 @19952 has 79 MA's), (Start: 203 @20036 has 47 MA's), (Start: 244 @20114 has 1 MA's), (274, 20201), (287, 20216), (309, 20264), (321, 20303), (353, 20390), (365, 20423), (379, 20459), (388, 20489), (390, 20495), (409, 20564), (435, 20594), (438, 20606), (439, 20609), (458, 20666), (518, 20798), (519, 20804), (538, 20870), (541, 20876), (549, 20900), (568, 20948), (578, 20972), (582, 20981), (606, 21056), (643, 21107), (650, 21122), (698, 21284), (704, 21311), (713, 21341), (747, 21446), (786, 21524), (797, 21560), (800, 21569), (808, 21602), (813, 21617),

Gene: Quasar_18 Start: 16341, Stop: 18038, Start Num: 154

Candidate Starts for Quasar_18:

(Start: 150 @16338 has 7 MA's), (Start: 154 @16341 has 33 MA's), (265, 16551), (313, 16674), (334, 16725), (362, 16812), (366, 16821), (375, 16842), (380, 16857), (384, 16869), (432, 16947), (436, 16959), (446, 16986), (454, 17019), (463, 17052), (467, 17064), (535, 17229), (558, 17301), (587, 17379), (591, 17394), (599, 17412), (620, 17469), (666, 17562), (677, 17598), (679, 17610), (681, 17616), (685, 17628), (688, 17637), (706, 17709), (707, 17712), (709, 17718), (713, 17730), (731, 17790), (748, 17835), (751, 17844), (759, 17877), (790, 17943),

Gene: Quby_18 Start: 16580, Stop: 18343, Start Num: 98

Candidate Starts for Quby_18:

(Start: 98 @16580 has 41 MA's), (210, 16721), (261, 16829), (262, 16832), (343, 17030), (344, 17033), (347, 17045), (353, 17066), (390, 17174), (404, 17204), (458, 17312), (468, 17345), (469, 17360), (476, 17381), (543, 17537), (563, 17600), (579, 17642), (583, 17651), (601, 17705), (614, 17741), (672, 17867), (679, 17900), (706, 18002), (709, 18011), (715, 18029), (723, 18056), (744, 18113), (757, 18152), (764, 18176), (777, 18212), (785, 18227), (794, 18257), (802, 18284), (805, 18296), (810, 18317),

Gene: QueenHazel_19 Start: 16491, Stop: 18224, Start Num: 139

Candidate Starts for QueenHazel_19:

(62, 16344), (68, 16371), (71, 16374), (75, 16383), (115, 16464), (Start: 139 @16491 has 6 MA's), (218, 16590), (223, 16599), (249, 16665), (256, 16689), (280, 16749), (287, 16752), (297, 16779), (364, 16959), (375, 16983), (379, 16995), (387, 17019), (432, 17145), (437, 17160), (440, 17169), (453, 17205), (458, 17223), (474, 17283), (557, 17475), (565, 17484), (578, 17517), (643, 17661), (662, 17706), (689, 17808), (691, 17817), (696, 17835), (697, 17838), (725, 17937), (743, 17997), (749, 18015), (757, 18051), (761, 18066), (786, 18114), (806, 18183),

Gene: QuickMath_17 Start: 16152, Stop: 17861, Start Num: 129

Candidate Starts for QuickMath_17:

(Start: 129 @16152 has 207 MA's), (205, 16239), (Start: 232 @16284 has 2 MA's), (242, 16308), (279, 16413), (287, 16419), (294, 16437), (309, 16467), (347, 16572), (349, 16578), (367, 16632), (371,

16641), (376, 16653), (379, 16662), (387, 16686), (411, 16773), (424, 16788), (432, 16812), (437, 16827), (439, 16833), (452, 16869), (453, 16872), (457, 16884), (458, 16890), (469, 16938), (474, 16950), (475, 16956), (517, 17016), (520, 17028), (531, 17064), (533, 17076), (541, 17097), (565, 17151), (568, 17160), (575, 17178), (578, 17184), (590, 17214), (639, 17319), (643, 17328), (645, 17331), (659, 17367), (678, 17433), (680, 17445), (706, 17544), (713, 17565), (723, 17598), (734, 17628), (743, 17658), (746, 17667), (748, 17673), (757, 17688), (758, 17691), (765, 17715), (782, 17745), (790, 17757), (797, 17787), (808, 17829),

Gene: Quico_17 Start: 14636, Stop: 16345, Start Num: 129

Candidate Starts for Quico_17:

(Start: 129 @14636 has 207 MA's), (205, 14723), (Start: 232 @14768 has 2 MA's), (242, 14792), (279, 14897), (287, 14903), (294, 14921), (309, 14951), (347, 15056), (367, 15116), (376, 15137), (379, 15146), (387, 15170), (432, 15296), (437, 15311), (439, 15317), (446, 15335), (447, 15338), (452, 15353), (453, 15356), (457, 15368), (458, 15374), (460, 15383), (469, 15422), (474, 15434), (475, 15440), (517, 15500), (531, 15548), (533, 15560), (565, 15635), (568, 15644), (575, 15662), (578, 15668), (590, 15698), (639, 15803), (645, 15815), (659, 15851), (680, 15929), (706, 16028), (713, 16049), (723, 16082), (734, 16112), (743, 16142), (746, 16151), (748, 16157), (757, 16172), (758, 16175), (764, 16196), (765, 16199), (790, 16241), (797, 16271), (808, 16313),

Gene: QuincyRose_22 Start: 17168, Stop: 18934, Start Num: 120

Candidate Starts for QuincyRose_22:

(Start: 120 @17168 has 139 MA's), (Start: 148 @17198 has 2 MA's), (245, 17357), (255, 17390), (265, 17420), (280, 17453), (287, 17465), (315, 17555), (333, 17597), (358, 17669), (360, 17678), (376, 17717), (390, 17762), (397, 17783), (398, 17786), (433, 17840), (439, 17858), (454, 17900), (456, 17906), (463, 17933), (517, 18071), (521, 18089), (533, 18131), (540, 18149), (551, 18179), (564, 18206), (604, 18311), (666, 18470), (677, 18506), (688, 18545), (707, 18620), (723, 18671), (800, 18866), (809, 18905), (810, 18908), (817, 18926),

Gene: REQ2_20 Start: 19089, Stop: 20663, Start Num: 168

Candidate Starts for REQ2_20:

(Start: 168 @19089 has 11 MA's), (230, 19173), (245, 19212), (298, 19347), (330, 19428), (352, 19491), (437, 19671), (438, 19674), (439, 19677), (458, 19737), (469, 19785), (508, 19848), (517, 19866), (520, 19878), (529, 19902), (533, 19926), (537, 19938), (550, 19974), (602, 20073), (612, 20103), (613, 20106), (645, 20175), (658, 20196), (676, 20241), (680, 20259), (689, 20289), (702, 20340), (719, 20397), (736, 20439), (803, 20616),

Gene: Rabbitrun_30 Start: 23608, Stop: 25353, Start Num: 122

Candidate Starts for Rabbitrun_30:

(78, 23530), (Start: 109 @23593 has 26 MA's), (Start: 122 @23608 has 7 MA's), (159, 23638), (188, 23680), (262, 23824), (269, 23836), (280, 23860), (295, 23899), (296, 23902), (302, 23920), (335, 24016), (343, 24037), (353, 24073), (362, 24103), (376, 24136), (385, 24163), (408, 24223), (451, 24292), (454, 24301), (458, 24316), (467, 24346), (516, 24454), (536, 24526), (539, 24535), (587, 24673), (589, 24676), (601, 24715), (613, 24748), (624, 24781), (627, 24790), (631, 24802), (649, 24832), (670, 24871), (672, 24877), (674, 24886), (706, 25012), (725, 25072), (739, 25108), (744, 25123), (757, 25159), (759, 25165), (761, 25174), (780, 25228), (794, 25270), (802, 25297), (806, 25312), (810, 25330), (815, 25342),

Gene: Rabbs_18 Start: 16648, Stop: 18411, Start Num: 111

Candidate Starts for Rabbs_18:

(Start: 111 @16648 has 26 MA's), (Start: 142 @16657 has 43 MA's), (Start: 148 @16663 has 2 MA's), (155, 16669), (210, 16747), (237, 16801), (255, 16852), (265, 16882), (275, 16906), (313, 17008), (328, 17047), (330, 17053), (338, 17068), (393, 17233), (418, 17290), (439, 17329), (454, 17371), (456, 17377), (467, 17416), (504, 17515), (517, 17542), (598, 17770), (604, 17788), (613, 17815),

(638, 17899), (653, 17917), (662, 17932), (679, 17995), (698, 18058), (703, 18082), (713, 18115), (725, 18154), (742, 18196), (800, 18343), (817, 18403),

Gene: Radiance_16 Start: 14789, Stop: 16498, Start Num: 129

Candidate Starts for Radiance_16:

(Start: 129 @14789 has 207 MA's), (205, 14876), (Start: 232 @14921 has 2 MA's), (242, 14945), (258, 15002), (279, 15050), (287, 15056), (294, 15074), (309, 15104), (347, 15209), (367, 15269), (371, 15278), (379, 15299), (387, 15323), (396, 15359), (398, 15365), (406, 15398), (407, 15401), (411, 15410), (424, 15425), (425, 15431), (432, 15449), (437, 15464), (439, 15470), (446, 15488), (447, 15491), (452, 15506), (453, 15509), (457, 15521), (458, 15527), (469, 15575), (474, 15587), (475, 15593), (517, 15653), (520, 15665), (531, 15701), (533, 15713), (565, 15788), (568, 15797), (575, 15815), (578, 15821), (590, 15851), (639, 15956), (643, 15965), (645, 15968), (659, 16004), (680, 16082), (706, 16181), (713, 16202), (723, 16235), (734, 16265), (743, 16295), (746, 16304), (748, 16310), (757, 16325), (758, 16328), (765, 16352), (782, 16382), (790, 16394), (797, 16424), (808, 16466),

Gene: Raela_50 Start: 27273, Stop: 28985, Start Num: 131

Candidate Starts for Raela_50:

(90, 27210), (Start: 131 @27273 has 77 MA's), (196, 27354), (237, 27411), (262, 27492), (266, 27498), (291, 27555), (295, 27567), (299, 27579), (313, 27618), (317, 27633), (346, 27702), (362, 27756), (366, 27765), (443, 27921), (458, 27969), (463, 27987), (473, 28026), (477, 28041), (517, 28104), (520, 28116), (556, 28233), (557, 28236), (575, 28287), (586, 28314), (587, 28317), (593, 28338), (607, 28380), (665, 28500), (672, 28518), (709, 28662), (723, 28707), (727, 28725), (756, 28809), (764, 28836), (771, 28857), (794, 28902), (796, 28908), (800, 28920), (803, 28932), (806, 28944), (813, 28968), (815, 28974),

Gene: Rakim_25 Start: 19943, Stop: 21538, Start Num: 203

Candidate Starts for Rakim_25:

(Start: 137 @19859 has 79 MA's), (Start: 203 @19943 has 47 MA's), (Start: 244 @20021 has 1 MA's), (274, 20108), (287, 20123), (309, 20171), (321, 20210), (353, 20297), (365, 20330), (379, 20366), (388, 20396), (390, 20402), (409, 20471), (435, 20501), (438, 20513), (439, 20516), (458, 20573), (518, 20705), (519, 20711), (538, 20777), (541, 20783), (549, 20807), (568, 20855), (578, 20879), (582, 20888), (606, 20963), (643, 21014), (650, 21029), (698, 21191), (704, 21218), (713, 21248), (747, 21353), (786, 21431), (797, 21467), (800, 21476), (808, 21509), (813, 21524),

Gene: Ramen_23 Start: 17154, Stop: 18920, Start Num: 120

Candidate Starts for Ramen_23:

(Start: 120 @17154 has 139 MA's), (Start: 148 @17184 has 2 MA's), (245, 17343), (255, 17376), (265, 17406), (280, 17439), (287, 17451), (315, 17541), (333, 17583), (358, 17655), (360, 17664), (376, 17703), (390, 17748), (397, 17769), (398, 17772), (433, 17826), (439, 17844), (454, 17886), (456, 17892), (463, 17919), (517, 18057), (521, 18075), (533, 18117), (540, 18135), (551, 18165), (564, 18192), (604, 18297), (666, 18456), (677, 18492), (685, 18522), (688, 18531), (707, 18606), (723, 18657), (800, 18852), (809, 18891), (810, 18894), (817, 18912),

Gene: Ramsey_17 Start: 14835, Stop: 16544, Start Num: 129

Candidate Starts for Ramsey_17:

(Start: 129 @14835 has 207 MA's), (205, 14922), (Start: 232 @14967 has 2 MA's), (242, 14991), (279, 15096), (287, 15102), (294, 15120), (309, 15150), (347, 15255), (367, 15315), (376, 15336), (379, 15345), (387, 15369), (406, 15444), (432, 15495), (437, 15510), (439, 15516), (452, 15552), (453, 15555), (457, 15567), (458, 15573), (469, 15621), (474, 15633), (475, 15639), (517, 15699), (520, 15711), (531, 15747), (533, 15759), (565, 15834), (568, 15843), (575, 15861), (578, 15867), (590, 15897), (639, 16002), (645, 16014), (659, 16050), (680, 16128), (706, 16227), (713, 16248), (723, 16281), (734, 16311), (743, 16341), (745, 16347), (746, 16350), (748, 16356), (757, 16371), (758,

16374), (764, 16395), (765, 16398), (790, 16440), (808, 16512), (809, 16518),

Gene: Rapunzel97_23 Start: 17155, Stop: 18921, Start Num: 120

Candidate Starts for Rapunzel97_23:

(Start: 120 @17155 has 139 MA's), (Start: 148 @17185 has 2 MA's), (245, 17344), (255, 17377), (265, 17407), (280, 17440), (287, 17452), (315, 17542), (333, 17584), (358, 17656), (360, 17665), (376, 17704), (390, 17749), (397, 17770), (398, 17773), (433, 17827), (439, 17845), (454, 17887), (456, 17893), (463, 17920), (517, 18058), (521, 18076), (533, 18118), (540, 18136), (551, 18166), (564, 18193), (604, 18298), (666, 18457), (677, 18493), (685, 18523), (688, 18532), (707, 18607), (723, 18658), (761, 18757), (800, 18853), (809, 18892), (810, 18895), (817, 18913),

Gene: RavenCo17_17 Start: 15550, Stop: 17259, Start Num: 169

Candidate Starts for RavenCo17_17:

(64, 15379), (77, 15415), (Start: 169 @15550 has 31 MA's), (238, 15667), (295, 15817), (327, 15913), (340, 15940), (370, 16030), (372, 16033), (376, 16045), (431, 16219), (465, 16336), (469, 16360), (513, 16408), (556, 16525), (585, 16582), (601, 16621), (621, 16678), (676, 16807), (749, 17062), (750, 17065), (764, 17113), (774, 17143),

Gene: Raymond7_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Raymond7_18:

(Start: 134 @14993 has 43 MA's), (161, 15020), (189, 15059), (Start: 232 @15125 has 2 MA's), (236, 15137), (249, 15173), (256, 15197), (265, 15224), (274, 15245), (279, 15254), (287, 15260), (299, 15293), (364, 15467), (367, 15473), (371, 15482), (375, 15491), (379, 15503), (387, 15527), (398, 15569), (406, 15602), (432, 15653), (433, 15656), (437, 15668), (452, 15710), (457, 15725), (458, 15731), (469, 15779), (493, 15833), (517, 15857), (537, 15929), (557, 15983), (565, 15992), (568, 16001), (578, 16025), (589, 16052), (590, 16055), (639, 16160), (643, 16169), (659, 16208), (681, 16289), (697, 16346), (706, 16385), (743, 16499), (757, 16529), (758, 16532), (765, 16556), (786, 16592), (790, 16598),

Gene: Rearden_31 Start: 23859, Stop: 25592, Start Num: 131

Candidate Starts for Rearden_31:

(Start: 131 @23859 has 77 MA's), (Start: 203 @23949 has 47 MA's), (205, 23952), (251, 24054), (274, 24120), (295, 24156), (310, 24186), (313, 24201), (344, 24282), (345, 24285), (355, 24321), (365, 24348), (380, 24387), (390, 24420), (393, 24429), (407, 24486), (428, 24528), (455, 24603), (458, 24615), (474, 24675), (506, 24729), (518, 24759), (522, 24777), (526, 24786), (534, 24819), (538, 24831), (541, 24837), (554, 24876), (578, 24933), (650, 25083), (656, 25101), (670, 25143), (676, 25167), (677, 25170), (680, 25185), (689, 25215), (698, 25245), (713, 25302), (767, 25452), (813, 25578),

Gene: Rebel_18 Start: 14990, Stop: 16699, Start Num: 134

Candidate Starts for Rebel_18:

(Start: 134 @14990 has 43 MA's), (161, 15017), (189, 15056), (Start: 232 @15122 has 2 MA's), (236, 15134), (249, 15170), (256, 15194), (265, 15221), (274, 15242), (279, 15251), (287, 15257), (299, 15290), (364, 15464), (367, 15470), (371, 15479), (375, 15488), (379, 15500), (387, 15524), (398, 15566), (406, 15599), (432, 15650), (433, 15653), (437, 15665), (452, 15707), (457, 15722), (458, 15728), (469, 15776), (493, 15830), (517, 15854), (537, 15926), (557, 15980), (565, 15989), (568, 15998), (578, 16022), (589, 16049), (590, 16052), (639, 16157), (643, 16166), (659, 16205), (681, 16286), (697, 16343), (706, 16382), (743, 16496), (757, 16526), (758, 16529), (765, 16553), (786, 16589),

Gene: Red305_19 Start: 17373, Stop: 19136, Start Num: 98

Candidate Starts for Red305_19:

(Start: 98 @17373 has 41 MA's), (Start: 120 @17400 has 139 MA's), (174, 17463), (Start: 207 @17511 has 1 MA's), (210, 17517), (239, 17553), (262, 17628), (274, 17652), (278, 17658), (299, 17715), (344, 17829), (347, 17841), (385, 17952), (455, 18096), (458, 18108), (468, 18141), (543, 18330), (545, 18336), (563, 18393), (579, 18435), (583, 18444), (587, 18456), (613, 18531), (635, 18600), (638, 18612), (672, 18660), (689, 18726), (709, 18804), (723, 18849), (744, 18906), (764, 18969), (777, 19005), (785, 19020), (794, 19050), (796, 19056), (800, 19068), (802, 19077), (805, 19089),

Gene: RedBaron_19 Start: 15773, Stop: 17473, Start Num: 150

Candidate Starts for RedBaron_19:

(Start: 125 @15746 has 46 MA's), (Start: 150 @15773 has 7 MA's), (Start: 154 @15776 has 33 MA's), (265, 15986), (313, 16109), (334, 16160), (362, 16247), (380, 16292), (384, 16304), (432, 16382), (436, 16394), (446, 16421), (454, 16454), (463, 16487), (467, 16499), (477, 16541), (535, 16664), (558, 16736), (587, 16814), (591, 16829), (599, 16847), (620, 16904), (666, 16997), (677, 17033), (679, 17045), (681, 17051), (685, 17063), (688, 17072), (706, 17144), (707, 17147), (709, 17153), (713, 17165), (731, 17225), (748, 17270), (751, 17279), (759, 17312), (790, 17378),

Gene: RedBird_16 Start: 14766, Stop: 16475, Start Num: 129

Candidate Starts for RedBird_16:

(Start: 129 @14766 has 207 MA's), (205, 14853), (Start: 232 @14898 has 2 MA's), (242, 14922), (279, 15027), (287, 15033), (294, 15051), (309, 15081), (347, 15186), (367, 15246), (376, 15267), (379, 15276), (387, 15300), (432, 15426), (437, 15441), (439, 15447), (452, 15483), (453, 15486), (457, 15498), (458, 15504), (469, 15552), (474, 15564), (475, 15570), (517, 15630), (520, 15642), (531, 15678), (533, 15690), (565, 15765), (568, 15774), (575, 15792), (578, 15798), (590, 15828), (639, 15933), (643, 15942), (645, 15945), (659, 15981), (680, 16059), (706, 16158), (713, 16179), (723, 16212), (734, 16242), (743, 16272), (746, 16281), (748, 16287), (757, 16302), (758, 16305), (765, 16329), (790, 16371), (797, 16401), (808, 16443),

Gene: RedRaider_48 Start: 32716, Stop: 34338, Start Num: 178

Candidate Starts for RedRaider_48:

(Start: 178 @32716 has 37 MA's), (245, 32833), (270, 32911), (338, 33073), (342, 33085), (346, 33100), (369, 33166), (375, 33181), (413, 33292), (438, 33322), (439, 33325), (458, 33382), (477, 33454), (531, 33559), (567, 33646), (586, 33694), (627, 33820), (628, 33823), (637, 33856), (678, 33913), (713, 34042), (725, 34081), (765, 34186), (793, 34249), (797, 34261), (801, 34273), (813, 34318),

Gene: RedRaider77_50 Start: 27174, Stop: 28886, Start Num: 131

Candidate Starts for RedRaider77_50:

(90, 27111), (Start: 131 @27174 has 77 MA's), (196, 27255), (237, 27312), (262, 27393), (266, 27399), (291, 27456), (295, 27468), (299, 27480), (313, 27519), (317, 27534), (346, 27603), (362, 27657), (366, 27666), (443, 27822), (458, 27870), (460, 27879), (463, 27888), (473, 27927), (477, 27942), (517, 28005), (520, 28017), (556, 28134), (557, 28137), (575, 28188), (586, 28215), (587, 28218), (593, 28239), (607, 28281), (665, 28401), (672, 28419), (709, 28563), (723, 28608), (727, 28626), (756, 28710), (759, 28719), (764, 28737), (771, 28758), (794, 28803), (796, 28809), (800, 28821), (803, 28833), (808, 28854), (813, 28869), (815, 28875),

Gene: Redi_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Redi_18:

(Start: 134 @14993 has 43 MA's), (161, 15020), (189, 15059), (Start: 232 @15125 has 2 MA's), (236, 15137), (249, 15173), (256, 15197), (265, 15224), (274, 15245), (279, 15254), (287, 15260), (299, 15293), (364, 15467), (367, 15473), (371, 15482), (375, 15491), (379, 15503), (387, 15527), (398, 15569), (406, 15602), (432, 15653), (433, 15656), (437, 15668), (452, 15710), (457, 15725), (458, 15731), (469, 15779), (493, 15833), (517, 15857), (537, 15929), (557, 15983), (565, 15992), (568, 16001), (578, 16025), (589, 16052), (590, 16055), (639, 16160), (643, 16169), (659, 16208), (681,

16289), (697, 16346), (706, 16385), (743, 16499), (757, 16529), (758, 16532), (765, 16556), (786, 16592),

Gene: Redno2_35 Start: 27084, Stop: 29082, Start Num: 131

Candidate Starts for Redno2_35:

(Start: 131 @27084 has 77 MA's), (Start: 203 @27174 has 47 MA's), (229, 27222), (242, 27252), (295, 27381), (310, 27411), (345, 27510), (355, 27546), (365, 27573), (390, 27645), (393, 27654), (398, 27675), (425, 27744), (439, 27783), (440, 27786), (446, 27801), (458, 27840), (469, 27888), (474, 27900), (475, 27906), (506, 27954), (511, 27963), (518, 27984), (522, 28002), (536, 28050), (575, 28152), (602, 28224), (615, 28269), (616, 28281), (617, 28416), (618, 28422), (619, 28446), (630, 28518), (637, 28545), (714, 28794),

Gene: Reindeer_26 Start: 22192, Stop: 23928, Start Num: 118

Candidate Starts for Reindeer_26:

(Start: 118 @22192 has 1 MA's), (132, 22207), (188, 22276), (201, 22294), (236, 22333), (257, 22399), (261, 22414), (280, 22453), (299, 22504), (309, 22525), (327, 22576), (331, 22585), (347, 22630), (357, 22663), (362, 22681), (379, 22723), (380, 22726), (437, 22837), (458, 22903), (496, 23014), (517, 23041), (529, 23083), (536, 23113), (539, 23122), (540, 23125), (543, 23134), (544, 23137), (558, 23182), (583, 23248), (586, 23257), (587, 23260), (601, 23302), (612, 23332), (614, 23338), (635, 23404), (670, 23458), (672, 23464), (689, 23530), (785, 23818), (794, 23845), (800, 23863), (802, 23872), (805, 23884), (813, 23911),

Gene: Rem711_25 Start: 19029, Stop: 20768, Start Num: 117

Candidate Starts for Rem711_25:

(Start: 117 @19029 has 41 MA's), (193, 19101), (252, 19221), (314, 19401), (340, 19464), (355, 19515), (362, 19536), (380, 19581), (439, 19698), (440, 19701), (467, 19785), (468, 19788), (470, 19803), (475, 19821), (622, 20205), (623, 20211), (682, 20364), (716, 20484), (721, 20502), (786, 20655), (809, 20739), (810, 20742), (817, 20760),

Gene: Remy19_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Remy19_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Renaissance_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Renaissance_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Reptar3000_24 Start: 18363, Stop: 20150, Start Num: 117

Candidate Starts for Reptar3000_24:

(Start: 95 @18327 has 1 MA's), (Start: 111 @18357 has 26 MA's), (Start: 117 @18363 has 41 MA's), (Start: 120 @18366 has 139 MA's), (210, 18468), (Start: 232 @18507 has 2 MA's), (237, 18522), (245, 18540), (255, 18573), (265, 18603), (287, 18648), (315, 18738), (317, 18744), (330, 18774), (353, 18840), (358, 18852), (407, 18987), (437, 19035), (439, 19041), (456, 19089), (467, 19128), (523,

19278), (534, 19317), (541, 19335), (550, 19362), (574, 19437), (604, 19518), (622, 19572), (635, 19617), (652, 19653), (655, 19662), (676, 19719), (685, 19752), (688, 19761), (704, 19824), (707, 19836), (723, 19887), (725, 19893), (761, 19986), (764, 19995), (809, 20121), (817, 20142),

Gene: Rey_32 Start: 23117, Stop: 24883, Start Num: 93

Candidate Starts for Rey_32:

(Start: 86 @23102 has 4 MA's), (Start: 93 @23117 has 2 MA's), (Start: 114 @23144 has 15 MA's), (182, 23222), (188, 23228), (191, 23234), (201, 23246), (261, 23369), (280, 23408), (285, 23417), (289, 23432), (320, 23519), (327, 23531), (331, 23540), (347, 23585), (362, 23636), (379, 23678), (380, 23681), (390, 23714), (408, 23756), (412, 23765), (454, 23843), (458, 23858), (463, 23876), (536, 24068), (539, 24077), (543, 24089), (545, 24095), (579, 24194), (583, 24203), (586, 24212), (597, 24242), (610, 24281), (649, 24374), (670, 24413), (672, 24419), (674, 24428), (781, 24767), (785, 24773), (794, 24800), (808, 24851),

Gene: Reyja_19 Start: 15160, Stop: 16776, Start Num: 160

Candidate Starts for Reyja_19:

(Start: 160 @15160 has 11 MA's), (230, 15259), (238, 15283), (280, 15394), (284, 15397), (292, 15415), (295, 15424), (319, 15490), (326, 15505), (330, 15514), (333, 15520), (358, 15592), (363, 15610), (384, 15664), (387, 15673), (422, 15727), (439, 15763), (440, 15766), (472, 15874), (514, 15946), (517, 15952), (519, 15961), (524, 15979), (553, 16069), (582, 16138), (602, 16183), (605, 16201), (612, 16213), (638, 16279), (670, 16327), (673, 16339), (676, 16351), (681, 16372), (685, 16384), (689, 16399), (698, 16429), (706, 16465), (773, 16654), (801, 16717), (806, 16738), (813, 16762),

Gene: Rialto_18 Start: 15316, Stop: 17025, Start Num: 129

Candidate Starts for Rialto_18:

(Start: 129 @15316 has 207 MA's), (205, 15403), (219, 15424), (Start: 232 @15448 has 2 MA's), (242, 15472), (248, 15493), (279, 15577), (287, 15583), (294, 15601), (309, 15631), (347, 15736), (367, 15796), (376, 15817), (379, 15826), (387, 15850), (406, 15925), (407, 15928), (411, 15937), (424, 15952), (425, 15958), (432, 15976), (437, 15991), (439, 15997), (447, 16018), (452, 16033), (457, 16048), (458, 16054), (469, 16102), (474, 16114), (475, 16120), (517, 16180), (520, 16192), (531, 16228), (533, 16240), (565, 16315), (568, 16324), (575, 16342), (578, 16348), (590, 16378), (639, 16483), (645, 16495), (659, 16531), (680, 16609), (713, 16729), (723, 16762), (734, 16792), (737, 16804), (743, 16822), (745, 16828), (746, 16831), (748, 16837), (757, 16852), (758, 16855), (764, 16876), (765, 16879), (790, 16921), (797, 16951), (808, 16993), (809, 16999),

Gene: Richo_23 Start: 16514, Stop: 18280, Start Num: 120

Candidate Starts for Richo_23:

(Start: 111 @16505 has 26 MA's), (Start: 120 @16514 has 139 MA's), (Start: 125 @16520 has 46 MA's), (Start: 148 @16544 has 2 MA's), (177, 16583), (Start: 232 @16670 has 2 MA's), (237, 16685), (245, 16703), (255, 16736), (315, 16901), (330, 16937), (358, 17015), (360, 17024), (397, 17129), (398, 17132), (417, 17171), (437, 17198), (439, 17204), (454, 17246), (456, 17252), (463, 17279), (517, 17417), (521, 17435), (551, 17525), (564, 17552), (578, 17585), (604, 17657), (622, 17711), (633, 17747), (640, 17771), (666, 17816), (676, 17849), (679, 17864), (685, 17882), (688, 17891), (707, 17966), (723, 18017), (725, 18023), (764, 18125), (809, 18251), (810, 18254), (817, 18272),

Gene: Rimmer_23 Start: 19312, Stop: 20991, Start Num: 137

Candidate Starts for Rimmer_23:

(Start: 137 @19312 has 79 MA's), (Start: 203 @19396 has 47 MA's), (Start: 244 @19474 has 1 MA's), (274, 19561), (287, 19576), (309, 19624), (321, 19663), (353, 19750), (365, 19783), (379, 19819), (388, 19849), (390, 19855), (409, 19924), (435, 19954), (438, 19966), (439, 19969), (458, 20026), (518, 20158), (519, 20164), (538, 20230), (541, 20236), (549, 20260), (568, 20308), (578, 20332), (582, 20341), (606, 20416), (643, 20467), (650, 20482), (698, 20644), (704, 20671), (713, 20701),

(747, 20806), (786, 20884), (797, 20920), (800, 20929), (808, 20962), (813, 20977),

Gene: Rita_16 Start: 14819, Stop: 16528, Start Num: 129

Candidate Starts for Rita_16:

(Start: 129 @14819 has 207 MA's), (205, 14906), (Start: 232 @14951 has 2 MA's), (242, 14975), (279, 15080), (287, 15086), (294, 15104), (297, 15113), (309, 15134), (347, 15239), (367, 15299), (376, 15320), (379, 15329), (387, 15353), (432, 15479), (437, 15494), (439, 15500), (452, 15536), (453, 15539), (457, 15551), (458, 15557), (469, 15605), (474, 15617), (475, 15623), (517, 15683), (520, 15695), (531, 15731), (533, 15743), (565, 15818), (568, 15827), (575, 15845), (578, 15851), (590, 15881), (639, 15986), (643, 15995), (645, 15998), (659, 16034), (680, 16112), (706, 16211), (713, 16232), (723, 16265), (734, 16295), (743, 16325), (746, 16334), (748, 16340), (757, 16355), (758, 16358), (765, 16382), (782, 16412), (790, 16424), (797, 16454), (808, 16496),

Gene: RitaG_16 Start: 14948, Stop: 16657, Start Num: 129

Candidate Starts for RitaG_16:

(Start: 129 @14948 has 207 MA's), (205, 15035), (Start: 232 @15080 has 2 MA's), (242, 15104), (279, 15209), (287, 15215), (294, 15233), (309, 15263), (347, 15368), (364, 15422), (367, 15428), (376, 15449), (379, 15458), (387, 15482), (432, 15608), (437, 15623), (439, 15629), (452, 15665), (453, 15668), (457, 15680), (458, 15686), (469, 15734), (474, 15746), (475, 15752), (517, 15812), (520, 15824), (531, 15860), (533, 15872), (565, 15947), (568, 15956), (575, 15974), (578, 15980), (590, 16010), (639, 16115), (645, 16127), (659, 16163), (680, 16241), (713, 16361), (723, 16394), (734, 16424), (737, 16436), (743, 16454), (746, 16463), (748, 16469), (757, 16484), (758, 16487), (765, 16511), (790, 16553), (797, 16583), (808, 16625),

Gene: RiverMonster_24 Start: 19585, Stop: 21180, Start Num: 203

Candidate Starts for RiverMonster_24:

(Start: 137 @19501 has 79 MA's), (Start: 203 @19585 has 47 MA's), (Start: 244 @19663 has 1 MA's), (274, 19750), (287, 19765), (309, 19813), (321, 19852), (353, 19939), (365, 19972), (379, 20008), (388, 20038), (390, 20044), (409, 20113), (435, 20143), (438, 20155), (439, 20158), (458, 20215), (518, 20347), (519, 20353), (538, 20419), (541, 20425), (549, 20449), (568, 20497), (578, 20521), (582, 20530), (606, 20605), (643, 20656), (650, 20671), (698, 20833), (704, 20860), (713, 20890), (747, 20995), (786, 21073), (797, 21109), (800, 21118), (808, 21151), (813, 21166),

Gene: RoadKill_30 Start: 27051, Stop: 28670, Start Num: 168

Candidate Starts for RoadKill_30:

(Start: 168 @27051 has 11 MA's), (185, 27072), (230, 27135), (274, 27258), (280, 27270), (308, 27327), (338, 27405), (346, 27432), (380, 27528), (440, 27642), (451, 27672), (465, 27720), (479, 27777), (517, 27825), (519, 27834), (533, 27885), (550, 27933), (612, 28098), (622, 28128), (676, 28236), (677, 28239), (689, 28284), (702, 28341), (704, 28347), (705, 28353), (720, 28401), (723, 28410), (725, 28416), (726, 28419), (746, 28470), (761, 28515), (791, 28584), (805, 28632), (808, 28644),

Gene: Rockne_16 Start: 14790, Stop: 16499, Start Num: 129

Candidate Starts for Rockne_16:

(Start: 129 @14790 has 207 MA's), (205, 14877), (Start: 232 @14922 has 2 MA's), (242, 14946), (258, 15003), (279, 15051), (287, 15057), (294, 15075), (309, 15105), (328, 15159), (347, 15210), (364, 15264), (367, 15270), (371, 15279), (379, 15300), (387, 15324), (396, 15360), (398, 15366), (406, 15399), (407, 15402), (411, 15411), (424, 15426), (425, 15432), (432, 15450), (437, 15465), (439, 15471), (446, 15489), (447, 15492), (452, 15507), (457, 15522), (458, 15528), (469, 15576), (474, 15588), (475, 15594), (517, 15654), (520, 15666), (531, 15702), (533, 15714), (565, 15789), (568, 15798), (575, 15816), (578, 15822), (590, 15852), (639, 15957), (645, 15969), (659, 16005), (680, 16083), (713, 16203), (723, 16236), (734, 16266), (737, 16278), (743, 16296), (745, 16302), (746, 16305), (748, 16311), (757, 16326), (758, 16329), (764, 16350), (765, 16353), (790, 16395), (797,

16425), (808, 16467), (809, 16473),

Gene: RockyHorror_17 Start: 14667, Stop: 16376, Start Num: 129

Candidate Starts for RockyHorror_17:

(Start: 129 @14667 has 207 MA's), (205, 14754), (242, 14823), (248, 14844), (258, 14880), (279, 14928), (287, 14934), (294, 14952), (309, 14982), (347, 15087), (367, 15147), (371, 15156), (376, 15168), (379, 15177), (387, 15201), (406, 15276), (424, 15303), (425, 15309), (432, 15327), (437, 15342), (439, 15348), (452, 15384), (453, 15387), (457, 15399), (458, 15405), (469, 15453), (474, 15465), (475, 15471), (517, 15531), (520, 15543), (531, 15579), (533, 15591), (565, 15666), (568, 15675), (575, 15693), (578, 15699), (590, 15729), (639, 15834), (643, 15843), (645, 15846), (659, 15882), (680, 15960), (706, 16059), (713, 16080), (723, 16113), (734, 16143), (743, 16173), (746, 16182), (748, 16188), (757, 16203), (758, 16206), (765, 16230), (782, 16260), (790, 16272), (797, 16302), (808, 16344),

Gene: RonRayGun_19 Start: 16980, Stop: 18686, Start Num: 133

Candidate Starts for RonRayGun_19:

(68, 16872), (75, 16884), (Start: 133 @16980 has 7 MA's), (188, 17046), (Start: 244 @17121 has 1 MA's), (246, 17127), (274, 17211), (296, 17265), (312, 17310), (313, 17313), (341, 17379), (458, 17664), (543, 17886), (607, 18075), (672, 18213), (675, 18225), (723, 18402), (736, 18438), (794, 18603), (802, 18630), (813, 18669), (815, 18675),

Gene: Rose5_18 Start: 16746, Stop: 18515, Start Num: 98

Candidate Starts for Rose5_18:

(Start: 70 @16683 has 1 MA's), (80, 16704), (85, 16719), (Start: 98 @16746 has 41 MA's), (174, 16839), (Start: 207 @16887 has 1 MA's), (210, 16893), (236, 16920), (237, 16923), (239, 16929), (261, 17001), (266, 17010), (278, 17034), (285, 17049), (295, 17079), (344, 17205), (346, 17214), (352, 17235), (357, 17250), (382, 17319), (393, 17355), (404, 17376), (447, 17445), (458, 17484), (517, 17622), (520, 17634), (543, 17709), (545, 17715), (550, 17733), (563, 17772), (575, 17805), (579, 17814), (583, 17823), (586, 17832), (587, 17835), (628, 17955), (638, 17991), (672, 18039), (675, 18051), (689, 18105), (715, 18201), (720, 18219), (722, 18225), (723, 18228), (736, 18261), (744, 18285), (764, 18348), (779, 18390), (794, 18429), (800, 18447), (805, 18468), (810, 18489),

Gene: RoseMarie_29 Start: 24200, Stop: 25966, Start Num: 88

Candidate Starts for RoseMarie_29:

(80, 24179), (88, 24200), (94, 24212), (Start: 167 @24284 has 53 MA's), (188, 24314), (191, 24320), (201, 24332), (Start: 232 @24365 has 2 MA's), (257, 24437), (261, 24452), (280, 24491), (327, 24614), (331, 24623), (346, 24665), (362, 24719), (368, 24731), (379, 24761), (380, 24764), (437, 24875), (447, 24902), (458, 24941), (496, 25052), (517, 25079), (536, 25151), (539, 25160), (540, 25163), (544, 25175), (583, 25286), (586, 25295), (587, 25298), (601, 25340), (612, 25370), (614, 25376), (670, 25496), (672, 25502), (785, 25856), (794, 25883), (800, 25901), (802, 25910),

Gene: Rosmarinus_23 Start: 17176, Stop: 18942, Start Num: 120

Candidate Starts for Rosmarinus_23:

(Start: 120 @17176 has 139 MA's), (Start: 148 @17206 has 2 MA's), (245, 17365), (255, 17398), (265, 17428), (280, 17461), (287, 17473), (315, 17563), (333, 17605), (358, 17677), (360, 17686), (376, 17725), (390, 17770), (397, 17791), (398, 17794), (433, 17848), (439, 17866), (454, 17908), (456, 17914), (463, 17941), (517, 18079), (521, 18097), (533, 18139), (540, 18157), (551, 18187), (564, 18214), (604, 18319), (666, 18478), (677, 18514), (685, 18544), (688, 18553), (707, 18628), (723, 18679), (800, 18874), (809, 18913), (810, 18916), (817, 18934),

Gene: Rossetti_18 Start: 17009, Stop: 18742, Start Num: 131

Candidate Starts for Rossetti_18:

(Start: 131 @17009 has 77 MA's), (188, 17078), (261, 17219), (262, 17222), (278, 17252), (285, 17267), (296, 17300), (299, 17309), (312, 17345), (334, 17399), (344, 17426), (362, 17489), (365, 17495), (378, 17528), (451, 17681), (458, 17705), (460, 17714), (472, 17759), (476, 17774), (517, 17852), (553, 17972), (575, 18035), (601, 18107), (614, 18143), (670, 18263), (672, 18269), (675, 18281), (691, 18344), (715, 18431), (723, 18458), (748, 18527), (754, 18542), (764, 18578), (794, 18656), (800, 18674),

Gene: Royals2015_16 Start: 14826, Stop: 16535, Start Num: 129

Candidate Starts for Royals2015_16:

(Start: 129 @14826 has 207 MA's), (205, 14913), (Start: 232 @14958 has 2 MA's), (242, 14982), (279, 15087), (287, 15093), (294, 15111), (309, 15141), (347, 15246), (367, 15306), (376, 15327), (379, 15336), (387, 15360), (432, 15486), (437, 15501), (439, 15507), (452, 15543), (453, 15546), (457, 15558), (458, 15564), (469, 15612), (474, 15624), (475, 15630), (517, 15690), (520, 15702), (531, 15738), (533, 15750), (565, 15825), (568, 15834), (575, 15852), (578, 15858), (590, 15888), (639, 15993), (643, 16002), (645, 16005), (659, 16041), (680, 16119), (706, 16218), (713, 16239), (723, 16272), (734, 16302), (743, 16332), (746, 16341), (748, 16347), (757, 16362), (758, 16365), (765, 16389), (782, 16419), (790, 16431), (797, 16461), (808, 16503),

Gene: Rubeelu_18 Start: 14956, Stop: 16665, Start Num: 134

Candidate Starts for Rubeelu_18:

(Start: 134 @14956 has 43 MA's), (161, 14983), (Start: 232 @15088 has 2 MA's), (236, 15100), (249, 15136), (265, 15187), (274, 15208), (279, 15217), (287, 15223), (295, 15244), (299, 15256), (364, 15430), (367, 15436), (375, 15454), (379, 15466), (380, 15469), (387, 15490), (406, 15565), (424, 15592), (432, 15616), (433, 15619), (437, 15631), (452, 15673), (457, 15688), (458, 15694), (460, 15703), (469, 15742), (493, 15796), (517, 15820), (533, 15880), (557, 15946), (565, 15955), (568, 15964), (589, 16015), (590, 16018), (639, 16123), (659, 16171), (678, 16237), (697, 16309), (743, 16462), (746, 16471), (757, 16492), (761, 16507), (765, 16519), (786, 16555), (790, 16561),

Gene: Ruby_16 Start: 14774, Stop: 16483, Start Num: 129

Candidate Starts for Ruby_16:

(Start: 129 @14774 has 207 MA's), (205, 14861), (Start: 232 @14906 has 2 MA's), (242, 14930), (279, 15035), (287, 15041), (294, 15059), (309, 15089), (347, 15194), (364, 15248), (367, 15254), (371, 15263), (376, 15275), (379, 15284), (387, 15308), (396, 15344), (398, 15350), (401, 15362), (406, 15383), (407, 15386), (411, 15395), (424, 15410), (425, 15416), (432, 15434), (437, 15449), (439, 15455), (446, 15473), (447, 15476), (452, 15491), (457, 15506), (458, 15512), (467, 15542), (469, 15560), (474, 15572), (475, 15578), (517, 15638), (520, 15650), (531, 15686), (533, 15698), (541, 15719), (565, 15773), (568, 15782), (578, 15806), (590, 15836), (639, 15941), (645, 15953), (659, 15989), (671, 16028), (680, 16067), (706, 16166), (713, 16187), (723, 16220), (734, 16250), (743, 16280), (746, 16289), (748, 16295), (757, 16310), (758, 16313), (764, 16334), (765, 16337), (790, 16379), (797, 16409), (808, 16451), (809, 16457),

Gene: Rumpelstiltskin_18 Start: 16995, Stop: 18728, Start Num: 131

Candidate Starts for Rumpelstiltskin_18:

(Start: 131 @16995 has 77 MA's), (188, 17064), (261, 17205), (262, 17208), (285, 17253), (296, 17286), (299, 17295), (312, 17331), (334, 17385), (344, 17412), (347, 17424), (362, 17475), (365, 17481), (378, 17514), (451, 17667), (458, 17691), (460, 17700), (472, 17745), (476, 17760), (517, 17838), (553, 17958), (575, 18021), (601, 18093), (614, 18129), (670, 18249), (672, 18255), (675, 18267), (691, 18330), (704, 18381), (715, 18417), (723, 18444), (748, 18513), (754, 18528), (757, 18540), (764, 18564), (794, 18642),

Gene: Ruthiejr_23 Start: 18254, Stop: 20041, Start Num: 120

Candidate Starts for Ruthiejr_23:

(Start: 95 @18215 has 1 MA's), (Start: 111 @18245 has 26 MA's), (Start: 117 @18251 has 41 MA's), (Start: 120 @18254 has 139 MA's), (Start: 145 @18269 has 2 MA's), (177, 18311), (210, 18359), (Start: 232 @18398 has 2 MA's), (237, 18413), (245, 18431), (255, 18464), (265, 18494), (287, 18539), (295, 18557), (315, 18629), (317, 18635), (330, 18665), (332, 18668), (353, 18731), (358, 18743), (407, 18878), (416, 18896), (437, 18926), (439, 18932), (446, 18950), (456, 18980), (467, 19019), (517, 19145), (534, 19208), (604, 19409), (622, 19463), (635, 19508), (655, 19553), (666, 19577), (676, 19610), (685, 19643), (704, 19715), (707, 19727), (723, 19778), (725, 19784), (764, 19886), (809, 20012), (817, 20033),

Gene: Ruthy_19 Start: 16329, Stop: 18023, Start Num: 180

Candidate Starts for Ruthy_19:

(76, 16179), (Start: 154 @16293 has 33 MA's), (Start: 172 @16317 has 16 MA's), (Start: 180 @16329 has 1 MA's), (213, 16377), (264, 16506), (267, 16512), (296, 16578), (355, 16758), (358, 16764), (440, 16944), (443, 16950), (468, 17031), (516, 17145), (551, 17259), (564, 17292), (577, 17322), (578, 17325), (600, 17388), (602, 17391), (613, 17424), (676, 17592), (678, 17598), (704, 17697), (756, 17841), (817, 18015),

Gene: Ryadel_60 Start: 34285, Stop: 36021, Start Num: 109

Candidate Starts for Ryadel_60:

(Start: 104 @34276 has 2 MA's), (Start: 109 @34285 has 26 MA's), (Start: 184 @34375 has 1 MA's), (248, 34492), (258, 34528), (266, 34549), (279, 34576), (287, 34582), (298, 34612), (311, 34636), (329, 34687), (379, 34825), (381, 34831), (395, 34882), (396, 34885), (401, 34903), (432, 34954), (439, 34975), (440, 34978), (457, 35026), (458, 35032), (469, 35080), (472, 35086), (474, 35092), (507, 35152), (517, 35176), (518, 35179), (531, 35224), (534, 35239), (537, 35248), (541, 35257), (557, 35302), (568, 35320), (582, 35353), (645, 35491), (654, 35512), (674, 35578), (681, 35608), (696, 35662), (706, 35704), (713, 35725), (719, 35746), (723, 35758), (730, 35779), (748, 35833), (786, 35911), (797, 35947), (803, 35968), (809, 35995),

Gene: SG4_16 Start: 14957, Stop: 16666, Start Num: 129

Candidate Starts for SG4_16:

(Start: 129 @14957 has 207 MA's), (205, 15044), (Start: 232 @15089 has 2 MA's), (242, 15113), (279, 15218), (287, 15224), (294, 15242), (309, 15272), (347, 15377), (367, 15437), (376, 15458), (379, 15467), (387, 15491), (432, 15617), (437, 15632), (439, 15638), (452, 15674), (453, 15677), (457, 15689), (458, 15695), (469, 15743), (474, 15755), (475, 15761), (517, 15821), (520, 15833), (531, 15869), (533, 15881), (565, 15956), (568, 15965), (575, 15983), (578, 15989), (590, 16019), (639, 16124), (643, 16133), (645, 16136), (659, 16172), (680, 16250), (706, 16349), (713, 16370), (723, 16403), (734, 16433), (743, 16463), (746, 16472), (748, 16478), (757, 16493), (758, 16496), (765, 16520), (782, 16550), (790, 16562), (797, 16592), (808, 16634),

Gene: Saal_16 Start: 14790, Stop: 16499, Start Num: 129

Candidate Starts for Saal_16:

(Start: 129 @14790 has 207 MA's), (205, 14877), (Start: 232 @14922 has 2 MA's), (242, 14946), (258, 15003), (279, 15051), (287, 15057), (294, 15075), (309, 15105), (347, 15210), (364, 15264), (367, 15270), (371, 15279), (379, 15300), (387, 15324), (396, 15360), (398, 15366), (406, 15399), (407, 15402), (411, 15411), (424, 15426), (425, 15432), (432, 15450), (437, 15465), (439, 15471), (446, 15489), (447, 15492), (452, 15507), (457, 15522), (458, 15528), (469, 15576), (474, 15588), (475, 15594), (517, 15654), (520, 15666), (531, 15702), (533, 15714), (565, 15789), (568, 15798), (575, 15816), (578, 15822), (590, 15852), (639, 15957), (645, 15969), (659, 16005), (680, 16083), (713, 16203), (723, 16236), (734, 16266), (737, 16278), (743, 16296), (745, 16302), (746, 16305), (748, 16311), (757, 16326), (758, 16329), (764, 16350), (765, 16353), (790, 16395), (797, 16425), (808, 16467), (809, 16473),

Gene: Sahara_17 Start: 14784, Stop: 16493, Start Num: 169

Candidate Starts for Sahara_17:

(Start: 169 @14784 has 31 MA's), (238, 14901), (260, 14973), (261, 14976), (295, 15051), (309, 15090), (312, 15105), (327, 15147), (340, 15174), (370, 15264), (372, 15267), (410, 15399), (431, 15453), (455, 15534), (469, 15594), (472, 15600), (556, 15759), (570, 15777), (585, 15816), (613, 15888), (614, 15891), (621, 15912), (701, 16146), (705, 16161), (718, 16203), (745, 16284), (749, 16296), (750, 16299), (764, 16347), (774, 16377),

Gene: Saints25_25 Start: 19407, Stop: 21086, Start Num: 137

Candidate Starts for Saints25_25:

(Start: 137 @19407 has 79 MA's), (Start: 203 @19491 has 47 MA's), (Start: 244 @19569 has 1 MA's), (274, 19656), (287, 19671), (309, 19719), (321, 19758), (353, 19845), (365, 19878), (379, 19914), (388, 19944), (390, 19950), (409, 20019), (435, 20049), (438, 20061), (439, 20064), (458, 20121), (518, 20253), (519, 20259), (538, 20325), (541, 20331), (549, 20355), (568, 20403), (578, 20427), (582, 20436), (606, 20511), (643, 20562), (650, 20577), (698, 20739), (704, 20766), (713, 20796), (747, 20901), (786, 20979), (797, 21015), (800, 21024), (808, 21057), (813, 21072),

Gene: SamScheppers_22 Start: 18161, Stop: 19948, Start Num: 120

Candidate Starts for SamScheppers_22:

(Start: 95 @18122 has 1 MA's), (Start: 111 @18152 has 26 MA's), (Start: 117 @18158 has 41 MA's), (Start: 120 @18161 has 139 MA's), (177, 18218), (210, 18266), (Start: 232 @18305 has 2 MA's), (237, 18320), (245, 18338), (255, 18371), (265, 18401), (287, 18446), (295, 18464), (315, 18536), (317, 18542), (330, 18572), (353, 18638), (358, 18650), (407, 18785), (437, 18833), (439, 18839), (446, 18857), (456, 18887), (467, 18926), (517, 19052), (533, 19112), (534, 19115), (541, 19133), (546, 19148), (604, 19316), (622, 19370), (635, 19415), (655, 19460), (666, 19484), (676, 19517), (685, 19550), (704, 19622), (707, 19634), (723, 19685), (725, 19691), (764, 19793), (809, 19919), (817, 19940),

Gene: Samba_19 Start: 16728, Stop: 18374, Start Num: 171

Candidate Starts for Samba_19:

(143, 16692), (Start: 171 @16728 has 46 MA's), (237, 16830), (262, 16908), (265, 16911), (309, 17007), (319, 17046), (348, 17106), (354, 17127), (375, 17181), (380, 17196), (458, 17367), (467, 17397), (541, 17580), (549, 17604), (571, 17655), (605, 17748), (612, 17760), (626, 17805), (631, 17820), (677, 17952), (678, 17955), (704, 18054), (709, 18072), (725, 18123), (750, 18189), (772, 18252), (782, 18264),

Gene: Samman98_20 Start: 17337, Stop: 18917, Start Num: 167

Candidate Starts for Samman98_20:

(83, 17220), (Start: 167 @17337 has 53 MA's), (302, 17595), (310, 17616), (327, 17670), (344, 17709), (361, 17766), (370, 17787), (456, 17958), (460, 17976), (468, 18000), (472, 18021), (513, 18063), (543, 18144), (584, 18234), (602, 18279), (621, 18336), (622, 18339), (637, 18393), (680, 18483), (761, 18762), (764, 18771), (774, 18801),

Gene: Sampson_35 Start: 30699, Stop: 32321, Start Num: 166

Candidate Starts for Sampson_35:

(Start: 166 @30699 has 18 MA's), (185, 30720), (194, 30732), (230, 30783), (253, 30846), (280, 30918), (315, 31005), (338, 31056), (347, 31086), (376, 31167), (385, 31194), (440, 31293), (451, 31323), (454, 31332), (463, 31365), (464, 31368), (465, 31371), (468, 31380), (479, 31428), (517, 31476), (519, 31485), (550, 31584), (566, 31623), (572, 31635), (613, 31752), (625, 31791), (648, 31830), (676, 31887), (687, 31926), (689, 31935), (702, 31992), (705, 32004), (723, 32061), (725, 32067), (733, 32088), (746, 32121), (761, 32166), (808, 32295), (810, 32304),

Gene: Samty_19 Start: 17376, Stop: 19139, Start Num: 98

Candidate Starts for Samty_19:

(Start: 98 @17376 has 41 MA's), (Start: 120 @17403 has 139 MA's), (174, 17466), (Start: 207 @17514 has 1 MA's), (210, 17520), (239, 17556), (262, 17631), (274, 17655), (278, 17661), (299, 17718), (344, 17832), (347, 17844), (385, 17955), (455, 18099), (458, 18111), (468, 18144), (469, 18159), (543, 18333), (545, 18339), (563, 18396), (579, 18438), (583, 18447), (587, 18459), (613, 18534), (635, 18603), (638, 18615), (672, 18663), (689, 18729), (709, 18807), (723, 18852), (744, 18909), (764, 18972), (777, 19008), (785, 19023), (794, 19053), (796, 19059), (800, 19071), (802, 19080), (805, 19092),

Gene: SamuelLPlaqson_23 Start: 17102, Stop: 18868, Start Num: 120

Candidate Starts for SamuelLPlaqson_23:

(Start: 120 @17102 has 139 MA's), (Start: 148 @17132 has 2 MA's), (245, 17291), (255, 17324), (265, 17354), (280, 17387), (287, 17399), (315, 17489), (333, 17531), (358, 17603), (360, 17612), (376, 17651), (390, 17696), (398, 17720), (439, 17792), (454, 17834), (456, 17840), (463, 17867), (517, 18005), (521, 18023), (533, 18065), (551, 18113), (564, 18140), (604, 18245), (633, 18335), (677, 18440), (685, 18470), (688, 18479), (707, 18554), (723, 18605), (800, 18800), (809, 18839), (810, 18842), (817, 18860),

Gene: Sandalphon_17 Start: 15361, Stop: 17070, Start Num: 129

Candidate Starts for Sandalphon_17:

(Start: 129 @15361 has 207 MA's), (Start: 232 @15493 has 2 MA's), (242, 15517), (258, 15574), (279, 15622), (287, 15628), (294, 15646), (309, 15676), (347, 15781), (364, 15835), (367, 15841), (371, 15850), (379, 15871), (387, 15895), (396, 15931), (398, 15937), (406, 15970), (407, 15973), (411, 15982), (424, 15997), (425, 16003), (432, 16021), (437, 16036), (439, 16042), (446, 16060), (447, 16063), (452, 16078), (457, 16093), (458, 16099), (469, 16147), (474, 16159), (475, 16165), (517, 16225), (520, 16237), (531, 16273), (533, 16285), (565, 16360), (568, 16369), (575, 16387), (578, 16393), (590, 16423), (639, 16528), (645, 16540), (659, 16576), (680, 16654), (713, 16774), (723, 16807), (734, 16837), (737, 16849), (743, 16867), (745, 16873), (746, 16876), (748, 16882), (757, 16897), (758, 16900), (764, 16921), (765, 16924), (790, 16966), (797, 16996), (808, 17038), (809, 17044),

Gene: Santhid_18 Start: 14993, Stop: 16609, Start Num: 160

Candidate Starts for Santhid_18:

(Start: 160 @14993 has 11 MA's), (230, 15092), (238, 15116), (280, 15227), (284, 15230), (292, 15248), (295, 15257), (319, 15323), (326, 15338), (330, 15347), (333, 15353), (363, 15443), (384, 15497), (387, 15506), (439, 15596), (472, 15707), (514, 15779), (517, 15785), (519, 15794), (524, 15812), (553, 15902), (558, 15917), (597, 16001), (602, 16016), (605, 16034), (612, 16046), (638, 16112), (670, 16160), (673, 16172), (676, 16184), (681, 16205), (685, 16217), (689, 16232), (698, 16262), (706, 16298), (761, 16451), (773, 16487), (801, 16550), (806, 16571), (813, 16595), (815, 16601),

Gene: Sapo_16 Start: 14618, Stop: 16216, Start Num: 171

Candidate Starts for Sapo_16:

(Start: 171 @14618 has 46 MA's), (299, 14873), (323, 14945), (338, 14963), (341, 14972), (346, 14990), (384, 15098), (385, 15101), (437, 15194), (458, 15257), (496, 15368), (499, 15371), (517, 15392), (538, 15467), (546, 15488), (549, 15497), (597, 15608), (612, 15653), (622, 15683), (626, 15698), (709, 15914), (719, 15947), (742, 16007), (746, 16019), (772, 16094), (790, 16118), (798, 16151),

Gene: Sarma624_17 Start: 14767, Stop: 16344, Start Num: 232

Candidate Starts for Sarma624_17:

(Start: 129 @14635 has 207 MA's), (205, 14722), (Start: 232 @14767 has 2 MA's), (242, 14791), (279, 14896), (287, 14902), (294, 14920), (309, 14950), (347, 15055), (367, 15115), (376, 15136), (379, 15145), (387, 15169), (406, 15244), (407, 15247), (432, 15295), (437, 15310), (439, 15316), (452,

15352), (453, 15355), (457, 15367), (458, 15373), (469, 15421), (474, 15433), (475, 15439), (517, 15499), (520, 15511), (531, 15547), (533, 15559), (565, 15634), (568, 15643), (575, 15661), (578, 15667), (590, 15697), (639, 15802), (643, 15811), (645, 15814), (659, 15850), (680, 15928), (706, 16027), (713, 16048), (723, 16081), (734, 16111), (743, 16141), (746, 16150), (748, 16156), (757, 16171), (758, 16174), (765, 16198), (782, 16228), (790, 16240), (797, 16270), (808, 16312),

Gene: Sarshaun_18 Start: 17022, Stop: 18755, Start Num: 131

Candidate Starts for Sarshaun_18:

(Start: 131 @17022 has 77 MA's), (188, 17091), (261, 17232), (262, 17235), (285, 17280), (296, 17313), (299, 17322), (312, 17358), (334, 17412), (344, 17439), (347, 17451), (362, 17502), (365, 17508), (378, 17541), (451, 17694), (458, 17718), (460, 17727), (472, 17772), (476, 17787), (517, 17865), (553, 17985), (575, 18048), (601, 18120), (614, 18156), (670, 18276), (672, 18282), (675, 18294), (691, 18357), (715, 18444), (723, 18471), (748, 18540), (754, 18555), (757, 18567), (764, 18591), (794, 18669),

Gene: Sassafras_16 Start: 14940, Stop: 16649, Start Num: 129

Candidate Starts for Sassafras_16:

(Start: 129 @14940 has 207 MA's), (205, 15027), (Start: 232 @15072 has 2 MA's), (242, 15096), (279, 15201), (287, 15207), (294, 15225), (309, 15255), (347, 15360), (367, 15420), (376, 15441), (379, 15450), (387, 15474), (432, 15600), (437, 15615), (439, 15621), (452, 15657), (453, 15660), (457, 15672), (458, 15678), (469, 15726), (474, 15738), (475, 15744), (517, 15804), (520, 15816), (531, 15852), (533, 15864), (565, 15939), (568, 15948), (575, 15966), (578, 15972), (590, 16002), (639, 16107), (645, 16119), (659, 16155), (680, 16233), (706, 16332), (713, 16353), (723, 16386), (734, 16416), (743, 16446), (746, 16455), (748, 16461), (757, 16476), (758, 16479), (764, 16500), (765, 16503), (790, 16545), (797, 16575), (808, 16617),

Gene: Sassay_23 Start: 19334, Stop: 20929, Start Num: 203

Candidate Starts for Sassay_23:

(Start: 137 @19250 has 79 MA's), (Start: 203 @19334 has 47 MA's), (Start: 244 @19412 has 1 MA's), (274, 19499), (287, 19514), (309, 19562), (321, 19601), (353, 19688), (365, 19721), (379, 19757), (388, 19787), (390, 19793), (409, 19862), (435, 19892), (438, 19904), (439, 19907), (458, 19964), (518, 20096), (519, 20102), (538, 20168), (541, 20174), (549, 20198), (568, 20246), (578, 20270), (582, 20279), (606, 20354), (643, 20405), (650, 20420), (698, 20582), (704, 20609), (713, 20639), (747, 20744), (786, 20822), (797, 20858), (800, 20867), (808, 20900), (813, 20915),

Gene: SassyB_16 Start: 14854, Stop: 16563, Start Num: 129

Candidate Starts for SassyB_16:

(Start: 129 @14854 has 207 MA's), (205, 14941), (Start: 232 @14986 has 2 MA's), (242, 15010), (279, 15115), (287, 15121), (294, 15139), (309, 15169), (347, 15274), (367, 15334), (371, 15343), (375, 15352), (376, 15355), (379, 15364), (387, 15388), (432, 15514), (437, 15529), (439, 15535), (452, 15571), (453, 15574), (457, 15586), (458, 15592), (469, 15640), (474, 15652), (475, 15658), (517, 15718), (520, 15730), (531, 15766), (533, 15778), (565, 15853), (568, 15862), (575, 15880), (578, 15886), (590, 15916), (639, 16021), (643, 16030), (645, 16033), (659, 16069), (680, 16147), (706, 16246), (713, 16267), (723, 16300), (734, 16330), (743, 16360), (746, 16369), (748, 16375), (757, 16390), (758, 16393), (765, 16417), (782, 16447), (790, 16459), (797, 16489), (808, 16531),

Gene: Savage_17 Start: 14758, Stop: 16467, Start Num: 169

Candidate Starts for Savage_17:

(Start: 169 @14758 has 31 MA's), (238, 14875), (295, 15025), (309, 15064), (312, 15079), (340, 15148), (344, 15160), (370, 15238), (372, 15241), (410, 15373), (431, 15427), (455, 15508), (469, 15568), (472, 15574), (474, 15580), (529, 15661), (543, 15697), (556, 15733), (570, 15751), (585, 15790), (613, 15862), (621, 15886), (701, 16120), (705, 16135), (718, 16177), (749, 16270), (750, 16273), (764, 16321), (774, 16351),

Gene: Scarlett_22 Start: 16390, Stop: 18159, Start Num: 111

Candidate Starts for Scarlett_22:

(Start: 95 @16360 has 1 MA's), (Start: 111 @16390 has 26 MA's), (Start: 117 @16396 has 41 MA's), (Start: 148 @16423 has 2 MA's), (Start: 168 @16450 has 11 MA's), (237, 16564), (255, 16615), (280, 16678), (315, 16780), (317, 16786), (346, 16858), (358, 16894), (360, 16903), (376, 16942), (391, 16990), (397, 17008), (416, 17047), (417, 17050), (433, 17065), (437, 17077), (439, 17083), (454, 17125), (456, 17131), (463, 17158), (517, 17296), (521, 17314), (526, 17326), (551, 17404), (583, 17476), (587, 17488), (604, 17536), (628, 17611), (666, 17695), (676, 17728), (678, 17734), (685, 17761), (707, 17845), (709, 17851), (723, 17896), (725, 17902), (761, 17995), (800, 18091), (817, 18151),

Gene: Schatzie_34 Start: 26625, Stop: 28358, Start Num: 131

Candidate Starts for Schatzie_34:

(Start: 131 @26625 has 77 MA's), (Start: 203 @26715 has 47 MA's), (229, 26763), (242, 26793), (251, 26820), (295, 26922), (310, 26952), (345, 27051), (355, 27087), (357, 27093), (365, 27114), (390, 27186), (393, 27195), (398, 27216), (425, 27285), (439, 27324), (440, 27327), (446, 27342), (458, 27381), (469, 27429), (474, 27441), (475, 27447), (506, 27495), (511, 27504), (518, 27525), (522, 27543), (536, 27591), (575, 27693), (597, 27753), (602, 27765), (650, 27849), (655, 27861), (656, 27867), (662, 27879), (663, 27882), (673, 27921), (678, 27939), (688, 27975), (689, 27981), (713, 28068), (742, 28158), (761, 28200), (767, 28218), (783, 28248), (798, 28290), (813, 28344),

Gene: Schiebel_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Schiebel_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Schnauzer_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Schnauzer_18:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249, 15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364, 15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406, 15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477, 15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589, 16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743, 16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: SchoolBus_56 Start: 33469, Stop: 35205, Start Num: 109

Candidate Starts for SchoolBus_56:

(Start: 104 @33460 has 2 MA's), (Start: 109 @33469 has 26 MA's), (Start: 184 @33559 has 1 MA's), (248, 33676), (258, 33712), (266, 33733), (279, 33760), (287, 33766), (298, 33796), (311, 33820), (329, 33871), (379, 34009), (381, 34015), (395, 34066), (396, 34069), (401, 34087), (432, 34138), (439, 34159), (440, 34162), (457, 34210), (458, 34216), (469, 34264), (472, 34270), (474, 34276), (507, 34336), (517, 34360), (518, 34363), (531, 34408), (534, 34423), (537, 34432), (541, 34441), (557, 34486), (568, 34504), (582, 34537), (645, 34675), (654, 34696), (674, 34762), (681, 34792), (696, 34846), (706, 34888), (713, 34909), (719, 34930), (723, 34942), (730, 34963), (748, 35017), (786, 35095), (797, 35131), (803, 35152), (809, 35179),

Gene: Schuy_57 Start: 33260, Stop: 34996, Start Num: 109

Candidate Starts for Schuy_57:

(Start: 104 @33251 has 2 MA's), (Start: 109 @33260 has 26 MA's), (Start: 184 @33350 has 1 MA's), (248, 33467), (258, 33503), (266, 33524), (279, 33551), (287, 33557), (298, 33587), (311, 33611), (329, 33662), (379, 33800), (381, 33806), (395, 33857), (396, 33860), (401, 33878), (432, 33929), (439, 33950), (440, 33953), (457, 34001), (458, 34007), (469, 34055), (472, 34061), (474, 34067), (507, 34127), (517, 34151), (518, 34154), (531, 34199), (534, 34214), (537, 34223), (541, 34232), (557, 34277), (568, 34295), (582, 34328), (645, 34466), (654, 34487), (674, 34553), (681, 34583), (696, 34637), (706, 34679), (713, 34700), (719, 34721), (723, 34733), (730, 34754), (748, 34808), (786, 34886), (797, 34922), (803, 34943), (809, 34970),

Gene: Scioto_35 Start: 30775, Stop: 32376, Start Num: 185

Candidate Starts for Scioto_35:

(Start: 166 @30754 has 18 MA's), (185, 30775), (194, 30787), (230, 30838), (253, 30901), (280, 30973), (315, 31060), (338, 31111), (347, 31141), (376, 31222), (385, 31249), (440, 31348), (451, 31378), (454, 31387), (463, 31420), (464, 31423), (465, 31426), (468, 31435), (479, 31483), (517, 31531), (519, 31540), (550, 31639), (566, 31678), (572, 31690), (613, 31807), (625, 31846), (648, 31885), (676, 31942), (687, 31981), (689, 31990), (702, 32047), (705, 32059), (723, 32116), (725, 32122), (733, 32143), (746, 32176), (761, 32221), (808, 32350), (810, 32359),

Gene: Scitech_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Scitech_18:

(Start: 134 @14986 has 43 MA's), (161, 15013), (Start: 232 @15118 has 2 MA's), (236, 15130), (249, 15166), (265, 15217), (279, 15247), (287, 15253), (297, 15280), (299, 15286), (347, 15406), (364, 15460), (367, 15466), (375, 15484), (379, 15496), (380, 15499), (387, 15520), (398, 15562), (406, 15595), (432, 15646), (437, 15661), (452, 15703), (457, 15718), (458, 15724), (469, 15772), (477, 15796), (493, 15826), (517, 15850), (533, 15910), (537, 15922), (557, 15976), (565, 15985), (589, 16045), (590, 16048), (639, 16153), (643, 16162), (659, 16201), (697, 16339), (742, 16489), (743, 16492), (746, 16501), (757, 16522), (765, 16549), (786, 16585), (813, 16678),

Gene: Scottish_17 Start: 16108, Stop: 17817, Start Num: 129

Candidate Starts for Scottish_17:

(Start: 129 @16108 has 207 MA's), (205, 16195), (Start: 232 @16240 has 2 MA's), (242, 16264), (279, 16369), (287, 16375), (294, 16393), (309, 16423), (347, 16528), (367, 16588), (371, 16597), (379, 16618), (387, 16642), (396, 16678), (398, 16684), (406, 16717), (407, 16720), (411, 16729), (424, 16744), (425, 16750), (432, 16768), (437, 16783), (439, 16789), (446, 16807), (447, 16810), (452, 16825), (453, 16828), (457, 16840), (458, 16846), (469, 16894), (474, 16906), (475, 16912), (517, 16972), (520, 16984), (531, 17020), (533, 17032), (565, 17107), (568, 17116), (575, 17134), (578, 17140), (590, 17170), (639, 17275), (643, 17284), (645, 17287), (659, 17323), (680, 17401), (706, 17500), (713, 17521), (723, 17554), (734, 17584), (737, 17596), (743, 17614), (745, 17620), (746, 17623), (748, 17629), (757, 17644), (758, 17647), (764, 17668), (765, 17671), (790, 17713), (808, 17785), (809, 17791),

Gene: Scuba_50 Start: 30760, Stop: 32379, Start Num: 178

Candidate Starts for Scuba_50:

(Start: 178 @30760 has 37 MA's), (189, 30775), (216, 30814), (245, 30874), (346, 31141), (369, 31207), (375, 31222), (387, 31258), (413, 31333), (438, 31363), (439, 31366), (446, 31384), (458, 31423), (467, 31453), (553, 31657), (567, 31687), (586, 31735), (587, 31738), (627, 31861), (637, 31897), (713, 32083), (768, 32236), (797, 32302), (801, 32314), (813, 32359),

Gene: Seabastian_16 Start: 15041, Stop: 16750, Start Num: 129

Candidate Starts for Seabastian_16:

(Start: 129 @15041 has 207 MA's), (205, 15128), (219, 15149), (Start: 232 @15173 has 2 MA's), (242, 15197), (248, 15218), (279, 15302), (287, 15308), (294, 15326), (309, 15356), (347, 15461), (364,

15515), (367, 15521), (375, 15539), (376, 15542), (379, 15551), (387, 15575), (406, 15650), (411, 15662), (424, 15677), (425, 15683), (432, 15701), (437, 15716), (439, 15722), (449, 15749), (452, 15758), (457, 15773), (458, 15779), (469, 15827), (474, 15839), (475, 15845), (517, 15905), (520, 15917), (531, 15953), (533, 15965), (541, 15986), (565, 16040), (568, 16049), (575, 16067), (578, 16073), (590, 16103), (639, 16208), (643, 16217), (645, 16220), (659, 16256), (671, 16295), (680, 16334), (713, 16454), (723, 16487), (734, 16517), (743, 16547), (746, 16556), (748, 16562), (757, 16577), (758, 16580), (764, 16601), (765, 16604), (786, 16640), (790, 16646), (797, 16676), (808, 16718),

Gene: Seagreen_17 Start: 14650, Stop: 16359, Start Num: 129

Candidate Starts for Seagreen_17:

(Start: 129 @14650 has 207 MA's), (205, 14737), (Start: 232 @14782 has 2 MA's), (242, 14806), (248, 14827), (279, 14911), (287, 14917), (294, 14935), (309, 14965), (347, 15070), (367, 15130), (371, 15139), (375, 15148), (376, 15151), (379, 15160), (385, 15178), (387, 15184), (432, 15310), (437, 15325), (439, 15331), (452, 15367), (453, 15370), (457, 15382), (458, 15388), (469, 15436), (474, 15448), (475, 15454), (517, 15514), (520, 15526), (531, 15562), (533, 15574), (565, 15649), (568, 15658), (575, 15676), (578, 15682), (590, 15712), (639, 15817), (643, 15826), (645, 15829), (659, 15865), (678, 15931), (680, 15943), (706, 16042), (713, 16063), (723, 16096), (734, 16126), (743, 16156), (746, 16165), (748, 16171), (757, 16186), (758, 16189), (765, 16213), (782, 16243), (790, 16255), (797, 16285), (808, 16327),

Gene: Sekhmet_20 Start: 17697, Stop: 19277, Start Num: 167

Candidate Starts for Sekhmet_20:

(83, 17580), (Start: 167 @17697 has 53 MA's), (302, 17955), (310, 17976), (327, 18030), (344, 18069), (361, 18126), (370, 18147), (456, 18318), (460, 18336), (468, 18360), (472, 18381), (513, 18423), (543, 18504), (584, 18594), (621, 18696), (622, 18699), (637, 18753), (694, 18891), (729, 19023), (761, 19122), (764, 19131), (774, 19161),

Gene: Sephiroth_28 Start: 21951, Stop: 23702, Start Num: 122

Candidate Starts for Sephiroth_28:

(Start: 109 @21936 has 26 MA's), (Start: 122 @21951 has 7 MA's), (141, 21972), (144, 21975), (188, 22032), (204, 22053), (Start: 207 @22059 has 1 MA's), (Start: 232 @22086 has 2 MA's), (241, 22104), (245, 22113), (246, 22116), (262, 22176), (295, 22251), (302, 22272), (312, 22311), (362, 22455), (385, 22515), (387, 22521), (391, 22536), (408, 22575), (451, 22644), (454, 22653), (458, 22668), (460, 22677), (468, 22701), (472, 22722), (492, 22776), (511, 22794), (535, 22875), (539, 22887), (547, 22911), (587, 23025), (624, 23133), (632, 23157), (649, 23184), (672, 23229), (691, 23304), (693, 23310), (709, 23370), (725, 23421), (739, 23457), (757, 23508), (759, 23514), (766, 23538), (780, 23577), (788, 23592), (794, 23619), (803, 23649), (806, 23661), (815, 23691),

Gene: SgtBeansprout_19 Start: 16697, Stop: 18463, Start Num: 120

Candidate Starts for SgtBeansprout_19:

(Start: 120 @16697 has 139 MA's), (Start: 125 @16703 has 46 MA's), (Start: 148 @16727 has 2 MA's), (Start: 232 @16853 has 2 MA's), (237, 16868), (245, 16886), (265, 16949), (315, 17084), (317, 17090), (358, 17198), (360, 17207), (397, 17312), (437, 17381), (439, 17387), (452, 17423), (456, 17435), (472, 17498), (517, 17600), (521, 17618), (533, 17660), (534, 17663), (578, 17768), (604, 17840), (637, 17948), (640, 17954), (666, 17999), (681, 18053), (688, 18074), (707, 18149), (723, 18200), (761, 18299), (766, 18314), (786, 18350), (800, 18395), (809, 18434), (810, 18437), (817, 18455),

Gene: ShaboiShabazz_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for ShaboiShabazz_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039),

(330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Shaboozey_28 Start: 23259, Stop: 24992, Start Num: 131

Candidate Starts for Shaboozey_28:

(Start: 131 @23259 has 77 MA's), (Start: 203 @23349 has 47 MA's), (205, 23352), (251, 23454), (274, 23520), (295, 23556), (310, 23586), (313, 23601), (345, 23685), (355, 23721), (365, 23748), (380, 23787), (390, 23820), (393, 23829), (407, 23886), (428, 23928), (455, 24003), (458, 24015), (474, 24075), (506, 24129), (518, 24159), (522, 24177), (526, 24186), (534, 24219), (538, 24231), (541, 24237), (554, 24276), (578, 24333), (650, 24483), (656, 24501), (670, 24543), (676, 24567), (677, 24570), (680, 24585), (689, 24615), (698, 24645), (713, 24702), (767, 24852), (810, 24972), (813, 24978),

Gene: Shadow1_21 Start: 16214, Stop: 17980, Start Num: 120

Candidate Starts for Shadow1_21:

(Start: 111 @16205 has 26 MA's), (Start: 120 @16214 has 139 MA's), (Start: 148 @16244 has 2 MA's), (Start: 232 @16370 has 2 MA's), (237, 16385), (245, 16403), (255, 16436), (265, 16466), (287, 16511), (315, 16601), (330, 16637), (360, 16724), (397, 16829), (398, 16832), (437, 16898), (439, 16904), (454, 16946), (456, 16952), (521, 17135), (540, 17195), (583, 17297), (587, 17309), (604, 17357), (628, 17432), (635, 17456), (666, 17516), (677, 17552), (685, 17582), (707, 17666), (723, 17717), (725, 17723), (761, 17816), (809, 17951), (810, 17954), (817, 17972),

Gene: ShamWow_24 Start: 19746, Stop: 21425, Start Num: 137

Candidate Starts for ShamWow_24:

(Start: 137 @19746 has 79 MA's), (Start: 203 @19830 has 47 MA's), (Start: 244 @19908 has 1 MA's), (274, 19995), (287, 20010), (309, 20058), (321, 20097), (353, 20184), (365, 20217), (379, 20253), (388, 20283), (390, 20289), (409, 20358), (435, 20388), (438, 20400), (439, 20403), (458, 20460), (518, 20592), (519, 20598), (538, 20664), (541, 20670), (549, 20694), (568, 20742), (578, 20766), (582, 20775), (606, 20850), (643, 20901), (650, 20916), (698, 21078), (704, 21105), (713, 21135), (747, 21240), (786, 21318), (797, 21354), (800, 21363), (808, 21396), (813, 21411),

Gene: Shaobing_23 Start: 16514, Stop: 18280, Start Num: 120

Candidate Starts for Shaobing_23:

(Start: 111 @16505 has 26 MA's), (Start: 120 @16514 has 139 MA's), (Start: 125 @16520 has 46 MA's), (Start: 148 @16544 has 2 MA's), (177, 16583), (Start: 232 @16670 has 2 MA's), (237, 16685), (245, 16703), (255, 16736), (265, 16766), (315, 16901), (330, 16937), (358, 17015), (360, 17024), (397, 17129), (398, 17132), (417, 17171), (437, 17198), (439, 17204), (454, 17246), (456, 17252), (463, 17279), (517, 17417), (521, 17435), (551, 17525), (564, 17552), (578, 17585), (604, 17657), (622, 17711), (633, 17747), (640, 17771), (666, 17816), (676, 17849), (679, 17864), (685, 17882), (688, 17891), (707, 17966), (723, 18017), (725, 18023), (764, 18125), (809, 18251), (810, 18254), (817, 18272),

Gene: Shauna1_16 Start: 14859, Stop: 16568, Start Num: 129

Candidate Starts for Shauna1_16:

(Start: 129 @14859 has 207 MA's), (205, 14946), (Start: 232 @14991 has 2 MA's), (242, 15015), (279, 15120), (287, 15126), (294, 15144), (309, 15174), (347, 15279), (367, 15339), (376, 15360), (379, 15369), (387, 15393), (406, 15468), (407, 15471), (432, 15519), (437, 15534), (439, 15540), (452, 15576), (453, 15579), (457, 15591), (458, 15597), (469, 15645), (474, 15657), (475, 15663), (517, 15723), (520, 15735), (531, 15771), (533, 15783), (565, 15858), (568, 15867), (575, 15885), (578, 15891), (590, 15921), (639, 16026), (643, 16035), (645, 16038), (659, 16074), (680, 16152), (706, 16251), (713, 16272), (723, 16305), (734, 16335), (743, 16365), (746, 16374), (748, 16380), (757,

16395), (758, 16398), (765, 16422), (782, 16452), (790, 16464), (797, 16494), (808, 16536),

Gene: SheckWes_17 Start: 15415, Stop: 17109, Start Num: 154

Candidate Starts for SheckWes_17:

(Start: 150 @15412 has 7 MA's), (Start: 154 @15415 has 33 MA's), (226, 15514), (Start: 244 @15556 has 1 MA's), (251, 15577), (297, 15694), (334, 15796), (362, 15883), (375, 15913), (384, 15940), (398, 15985), (408, 16003), (432, 16018), (437, 16033), (454, 16090), (463, 16123), (467, 16135), (500, 16222), (516, 16240), (525, 16270), (535, 16300), (540, 16315), (555, 16363), (573, 16414), (587, 16450), (591, 16465), (599, 16483), (620, 16540), (677, 16669), (679, 16681), (706, 16780), (707, 16783), (713, 16801), (739, 16879), (748, 16906), (759, 16948), (810, 17095), (813, 17101),

Gene: ShedlockHolmes_22 Start: 17576, Stop: 19339, Start Num: 120

Candidate Starts for ShedlockHolmes_22:

(Start: 111 @17567 has 26 MA's), (Start: 120 @17576 has 139 MA's), (Start: 142 @17588 has 43 MA's), (208, 17678), (237, 17735), (255, 17786), (265, 17816), (275, 17840), (358, 18071), (360, 18080), (365, 18092), (393, 18173), (397, 18185), (398, 18188), (439, 18260), (443, 18269), (454, 18302), (456, 18308), (467, 18347), (475, 18383), (517, 18473), (534, 18536), (545, 18566), (569, 18623), (604, 18716), (660, 18854), (666, 18872), (679, 18920), (687, 18944), (695, 18971), (709, 19028), (723, 19073), (761, 19175), (797, 19262), (800, 19271), (805, 19292), (809, 19310), (811, 19316), (817, 19331),

Gene: Sheng711_18 Start: 16572, Stop: 18335, Start Num: 98

Candidate Starts for Sheng711_18:

(Start: 98 @16572 has 41 MA's), (210, 16713), (261, 16821), (262, 16824), (343, 17022), (344, 17025), (347, 17037), (353, 17058), (390, 17166), (404, 17196), (458, 17304), (468, 17337), (469, 17352), (476, 17373), (543, 17529), (563, 17592), (579, 17634), (583, 17643), (587, 17655), (601, 17697), (614, 17733), (672, 17859), (679, 17892), (706, 17994), (709, 18003), (715, 18021), (723, 18048), (744, 18105), (757, 18144), (764, 18168), (777, 18204), (785, 18219), (794, 18249), (802, 18276), (805, 18288), (810, 18309),

Gene: ShereKhan_26 Start: 20729, Stop: 22408, Start Num: 137

Candidate Starts for ShereKhan_26:

(Start: 137 @20729 has 79 MA's), (Start: 203 @20813 has 47 MA's), (Start: 244 @20891 has 1 MA's), (274, 20978), (287, 20993), (309, 21041), (321, 21080), (353, 21167), (365, 21200), (379, 21236), (388, 21266), (390, 21272), (409, 21341), (435, 21371), (438, 21383), (439, 21386), (458, 21443), (518, 21575), (519, 21581), (538, 21647), (541, 21653), (549, 21677), (568, 21725), (578, 21749), (582, 21758), (606, 21833), (643, 21884), (650, 21899), (698, 22061), (704, 22088), (713, 22118), (747, 22223), (786, 22301), (797, 22337), (800, 22346), (808, 22379), (813, 22394),

Gene: ShiLan_16 Start: 14812, Stop: 16521, Start Num: 129

Candidate Starts for ShiLan_16:

(Start: 129 @14812 has 207 MA's), (205, 14899), (Start: 232 @14944 has 2 MA's), (242, 14968), (279, 15073), (287, 15079), (294, 15097), (309, 15127), (347, 15232), (364, 15286), (367, 15292), (371, 15301), (379, 15322), (387, 15346), (396, 15382), (398, 15388), (406, 15421), (407, 15424), (411, 15433), (424, 15448), (425, 15454), (432, 15472), (437, 15487), (439, 15493), (446, 15511), (447, 15514), (452, 15529), (457, 15544), (458, 15550), (469, 15598), (474, 15610), (475, 15616), (517, 15676), (520, 15688), (531, 15724), (533, 15736), (565, 15811), (568, 15820), (575, 15838), (578, 15844), (590, 15874), (639, 15979), (645, 15991), (659, 16027), (680, 16105), (713, 16225), (723, 16258), (734, 16288), (737, 16300), (743, 16318), (745, 16324), (746, 16327), (748, 16333), (757, 16348), (758, 16351), (764, 16372), (765, 16375), (790, 16417), (797, 16447), (808, 16489), (809, 16495),

Gene: ShiaSurprise_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for ShiaSurprise_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Shida_56 Start: 33167, Stop: 34903, Start Num: 109

Candidate Starts for Shida_56:

(Start: 104 @33158 has 2 MA's), (Start: 109 @33167 has 26 MA's), (Start: 184 @33257 has 1 MA's), (248, 33374), (258, 33410), (266, 33431), (279, 33458), (287, 33464), (298, 33494), (311, 33518), (329, 33569), (379, 33707), (381, 33713), (395, 33764), (396, 33767), (401, 33785), (432, 33836), (439, 33857), (440, 33860), (457, 33908), (458, 33914), (469, 33962), (472, 33968), (474, 33974), (507, 34034), (517, 34058), (518, 34061), (531, 34106), (534, 34121), (537, 34130), (541, 34139), (557, 34184), (568, 34202), (582, 34235), (645, 34373), (654, 34394), (674, 34460), (681, 34490), (696, 34544), (706, 34586), (713, 34607), (719, 34628), (723, 34640), (730, 34661), (748, 34715), (786, 34793), (797, 34829), (803, 34850), (809, 34877),

Gene: Shipwreck_18 Start: 16086, Stop: 17822, Start Num: 125

Candidate Starts for Shipwreck_18:

(Start: 106 @16062 has 2 MA's), (Start: 125 @16086 has 46 MA's), (175, 16146), (189, 16167), (190, 16170), (253, 16290), (265, 16329), (280, 16362), (295, 16386), (342, 16506), (353, 16545), (355, 16551), (385, 16635), (387, 16641), (390, 16653), (396, 16677), (403, 16704), (409, 16722), (429, 16761), (432, 16767), (440, 16791), (458, 16845), (461, 16857), (464, 16866), (479, 16926), (522, 17004), (533, 17043), (545, 17076), (568, 17142), (574, 17157), (578, 17166), (587, 17190), (597, 17220), (602, 17232), (656, 17334), (662, 17346), (663, 17349), (664, 17355), (665, 17364), (696, 17472), (719, 17556), (752, 17655), (800, 17763), (813, 17811),

Gene: Shlim410_20 Start: 17902, Stop: 19482, Start Num: 167

Candidate Starts for Shlim410_20:

(83, 17785), (Start: 167 @17902 has 53 MA's), (302, 18160), (310, 18181), (327, 18235), (344, 18274), (361, 18331), (370, 18352), (456, 18523), (460, 18541), (468, 18565), (472, 18586), (513, 18628), (543, 18709), (584, 18799), (604, 18850), (621, 18901), (622, 18904), (637, 18958), (680, 19048), (761, 19327), (764, 19336), (774, 19366),

Gene: ShowerHandel_16 Start: 14813, Stop: 16522, Start Num: 129

Candidate Starts for ShowerHandel_16:

(Start: 129 @14813 has 207 MA's), (205, 14900), (Start: 232 @14945 has 2 MA's), (242, 14969), (279, 15074), (287, 15080), (294, 15098), (309, 15128), (347, 15233), (364, 15287), (367, 15293), (371, 15302), (379, 15323), (387, 15347), (396, 15383), (398, 15389), (406, 15422), (407, 15425), (411, 15434), (424, 15449), (425, 15455), (432, 15473), (437, 15488), (439, 15494), (446, 15512), (447, 15515), (452, 15530), (457, 15545), (458, 15551), (469, 15599), (474, 15611), (475, 15617), (517, 15677), (520, 15689), (531, 15725), (533, 15737), (565, 15812), (568, 15821), (575, 15839), (578, 15845), (590, 15875), (639, 15980), (645, 15992), (659, 16028), (680, 16106), (713, 16226), (723, 16259), (734, 16289), (737, 16301), (743, 16319), (745, 16325), (746, 16328), (748, 16334), (757, 16349), (758, 16352), (764, 16373), (765, 16376), (790, 16418), (797, 16448), (808, 16490), (809, 16496),

Gene: ShrimpFriedEgg_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for ShrimpFriedEgg_18:

(Start: 134 @14993 has 43 MA's), (161, 15020), (189, 15059), (Start: 232 @15125 has 2 MA's), (236, 15137), (249, 15173), (256, 15197), (265, 15224), (274, 15245), (279, 15254), (287, 15260), (299,

15293), (364, 15467), (367, 15473), (371, 15482), (375, 15491), (379, 15503), (387, 15527), (398, 15569), (406, 15602), (432, 15653), (433, 15656), (437, 15668), (452, 15710), (457, 15725), (458, 15731), (469, 15779), (493, 15833), (517, 15857), (537, 15929), (557, 15983), (565, 15992), (568, 16001), (578, 16025), (589, 16052), (590, 16055), (639, 16160), (643, 16169), (659, 16208), (681, 16289), (697, 16346), (706, 16385), (743, 16499), (757, 16529), (758, 16532), (765, 16556), (786, 16592),

Gene: ShroomBoi_16 Start: 14841, Stop: 16550, Start Num: 129

Candidate Starts for ShroomBoi_16:

(Start: 129 @14841 has 207 MA's), (205, 14928), (Start: 232 @14973 has 2 MA's), (242, 14997), (279, 15102), (287, 15108), (294, 15126), (309, 15156), (347, 15261), (367, 15321), (376, 15342), (379, 15351), (387, 15375), (432, 15501), (437, 15516), (439, 15522), (452, 15558), (453, 15561), (457, 15573), (458, 15579), (469, 15627), (474, 15639), (475, 15645), (517, 15705), (520, 15717), (531, 15753), (533, 15765), (565, 15840), (568, 15849), (575, 15867), (578, 15873), (590, 15903), (639, 16008), (643, 16017), (645, 16020), (659, 16056), (680, 16134), (706, 16233), (713, 16254), (723, 16287), (734, 16317), (743, 16347), (745, 16353), (746, 16356), (748, 16362), (757, 16377), (758, 16380), (764, 16401), (790, 16446), (797, 16476), (808, 16518), (809, 16524),

Gene: Shweta_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Shweta_18:

(Start: 134 @14993 has 43 MA's), (161, 15020), (189, 15059), (Start: 232 @15125 has 2 MA's), (236, 15137), (249, 15173), (256, 15197), (265, 15224), (274, 15245), (279, 15254), (287, 15260), (299, 15293), (364, 15467), (367, 15473), (371, 15482), (375, 15491), (379, 15503), (387, 15527), (398, 15569), (406, 15602), (432, 15653), (433, 15656), (437, 15668), (452, 15710), (457, 15725), (458, 15731), (469, 15779), (493, 15833), (517, 15857), (537, 15929), (557, 15983), (565, 15992), (568, 16001), (578, 16025), (589, 16052), (590, 16055), (639, 16160), (643, 16169), (659, 16208), (681, 16289), (697, 16346), (706, 16385), (743, 16499), (757, 16529), (758, 16532), (765, 16556), (786, 16592),

Gene: SiSi_16 Start: 14795, Stop: 16504, Start Num: 129

Candidate Starts for SiSi_16:

(Start: 129 @14795 has 207 MA's), (205, 14882), (Start: 232 @14927 has 2 MA's), (242, 14951), (258, 15008), (279, 15056), (287, 15062), (294, 15080), (309, 15110), (347, 15215), (364, 15269), (367, 15275), (371, 15284), (376, 15296), (379, 15305), (387, 15329), (396, 15365), (398, 15371), (401, 15383), (406, 15404), (407, 15407), (411, 15416), (424, 15431), (425, 15437), (432, 15455), (437, 15470), (439, 15476), (446, 15494), (447, 15497), (452, 15512), (457, 15527), (458, 15533), (467, 15563), (469, 15581), (474, 15593), (475, 15599), (517, 15659), (520, 15671), (531, 15707), (533, 15719), (541, 15740), (565, 15794), (568, 15803), (578, 15827), (590, 15857), (639, 15962), (645, 15974), (659, 16010), (671, 16049), (680, 16088), (706, 16187), (713, 16208), (723, 16241), (734, 16271), (743, 16301), (746, 16310), (748, 16316), (757, 16331), (758, 16334), (764, 16355), (765, 16358), (790, 16400), (797, 16430), (808, 16472), (809, 16478),

Gene: Sidious_19 Start: 17289, Stop: 18887, Start Num: 167

Candidate Starts for Sidious_19:

(49, 16992), (57, 17067), (58, 17088), (Start: 167 @17289 has 53 MA's), (250, 17409), (299, 17538), (302, 17547), (309, 17565), (310, 17568), (327, 17622), (380, 17766), (381, 17775), (400, 17838), (410, 17874), (411, 17877), (456, 17910), (469, 17967), (513, 18033), (553, 18144), (570, 18168), (584, 18204), (621, 18306), (637, 18363), (680, 18453), (750, 18693), (774, 18771),

Gene: Silvafighter_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Silvafighter_18:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249, 15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364,

15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406, 15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477, 15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589, 16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743, 16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: Silverleaf_18 Start: 16746, Stop: 18515, Start Num: 98

Candidate Starts for Silverleaf_18:

(Start: 70 @16683 has 1 MA's), (80, 16704), (85, 16719), (Start: 98 @16746 has 41 MA's), (174, 16839), (Start: 207 @16887 has 1 MA's), (210, 16893), (236, 16920), (237, 16923), (239, 16929), (261, 17001), (266, 17010), (278, 17034), (285, 17049), (295, 17079), (344, 17205), (346, 17214), (352, 17235), (357, 17250), (382, 17319), (393, 17355), (404, 17376), (447, 17445), (458, 17484), (517, 17622), (520, 17634), (543, 17709), (545, 17715), (550, 17733), (563, 17772), (575, 17805), (579, 17814), (583, 17823), (586, 17832), (587, 17835), (628, 17955), (638, 17991), (672, 18039), (675, 18051), (689, 18105), (715, 18201), (720, 18219), (722, 18225), (723, 18228), (736, 18261), (744, 18285), (764, 18348), (779, 18390), (794, 18429), (800, 18447), (805, 18468), (810, 18489),

Gene: Silvy_18 Start: 14990, Stop: 16699, Start Num: 134

Candidate Starts for Silvy_18:

(Start: 134 @14990 has 43 MA's), (161, 15017), (Start: 232 @15122 has 2 MA's), (236, 15134), (249, 15170), (265, 15221), (279, 15251), (287, 15257), (297, 15284), (299, 15290), (347, 15410), (364, 15464), (367, 15470), (375, 15488), (379, 15500), (380, 15503), (387, 15524), (398, 15566), (406, 15599), (432, 15650), (437, 15665), (452, 15707), (457, 15722), (458, 15728), (469, 15776), (477, 15800), (493, 15830), (517, 15854), (533, 15914), (537, 15926), (557, 15980), (565, 15989), (589, 16049), (590, 16052), (639, 16157), (643, 16166), (659, 16205), (697, 16343), (742, 16493), (743, 16496), (746, 16505), (757, 16526), (765, 16553), (786, 16589), (813, 16682),

Gene: Simpliphy_25 Start: 19491, Stop: 21170, Start Num: 137

Candidate Starts for Simpliphy_25:

(Start: 137 @19491 has 79 MA's), (Start: 203 @19575 has 47 MA's), (Start: 244 @19653 has 1 MA's), (274, 19740), (287, 19755), (309, 19803), (321, 19842), (353, 19929), (365, 19962), (379, 19998), (388, 20028), (390, 20034), (409, 20103), (435, 20133), (438, 20145), (439, 20148), (458, 20205), (518, 20337), (519, 20343), (538, 20409), (541, 20415), (549, 20439), (568, 20487), (578, 20511), (582, 20520), (606, 20595), (643, 20646), (650, 20661), (698, 20823), (704, 20850), (713, 20880), (747, 20985), (786, 21063), (797, 21099), (800, 21108), (808, 21141), (813, 21156),

Gene: SimranZ1_17 Start: 14664, Stop: 16373, Start Num: 129

Candidate Starts for SimranZ1_17:

(Start: 129 @14664 has 207 MA's), (205, 14751), (Start: 232 @14796 has 2 MA's), (242, 14820), (279, 14925), (287, 14931), (294, 14949), (309, 14979), (347, 15084), (367, 15144), (379, 15174), (387, 15198), (398, 15240), (406, 15273), (424, 15300), (432, 15324), (437, 15339), (439, 15345), (452, 15381), (453, 15384), (457, 15396), (458, 15402), (469, 15450), (474, 15462), (475, 15468), (517, 15528), (520, 15540), (531, 15576), (533, 15588), (541, 15609), (565, 15663), (568, 15672), (575, 15690), (578, 15696), (590, 15726), (639, 15831), (643, 15840), (645, 15843), (659, 15879), (671, 15918), (680, 15957), (706, 16056), (713, 16077), (723, 16110), (734, 16140), (743, 16170), (745, 16176), (746, 16179), (748, 16185), (757, 16200), (758, 16203), (765, 16227), (790, 16269), (808, 16341),

Gene: SirDuracell_23 Start: 18412, Stop: 20091, Start Num: 137

Candidate Starts for SirDuracell_23:

(Start: 137 @18412 has 79 MA's), (Start: 203 @18496 has 47 MA's), (Start: 244 @18574 has 1 MA's), (274, 18661), (287, 18676), (309, 18724), (321, 18763), (353, 18850), (365, 18883), (379, 18919), (388, 18949), (390, 18955), (409, 19024), (435, 19054), (438, 19066), (439, 19069), (458, 19126),

(518, 19258), (519, 19264), (538, 19330), (541, 19336), (549, 19360), (568, 19408), (578, 19432), (582, 19441), (606, 19516), (643, 19567), (650, 19582), (698, 19744), (704, 19771), (713, 19801), (747, 19906), (786, 19984), (797, 20020), (800, 20029), (808, 20062), (813, 20077),

Gene: SirPhilip_22 Start: 16001, Stop: 17767, Start Num: 120

Candidate Starts for SirPhilip_22:

(Start: 95 @15962 has 1 MA's), (Start: 111 @15992 has 26 MA's), (Start: 120 @16001 has 139 MA's), (Start: 148 @16031 has 2 MA's), (Start: 168 @16058 has 11 MA's), (237, 16172), (245, 16190), (255, 16223), (265, 16253), (280, 16286), (315, 16388), (333, 16430), (360, 16511), (393, 16604), (397, 16616), (398, 16619), (416, 16655), (417, 16658), (433, 16673), (437, 16685), (439, 16691), (454, 16733), (456, 16739), (463, 16766), (472, 16802), (517, 16904), (521, 16922), (540, 16982), (551, 17012), (583, 17084), (587, 17096), (637, 17252), (666, 17303), (685, 17369), (688, 17378), (704, 17441), (707, 17453), (723, 17504), (761, 17603), (786, 17654), (810, 17741), (817, 17759),

Gene: Sixama_99 Start: 59417, Stop: 61093, Start Num: 119

Candidate Starts for Sixama_99:

(Start: 119 @59417 has 1 MA's), (149, 59450), (245, 59600), (246, 59603), (256, 59636), (266, 59666), (268, 59669), (352, 59879), (362, 59909), (379, 59951), (384, 59966), (385, 59969), (438, 60065), (451, 60101), (589, 60461), (602, 60497), (638, 60593), (650, 60611), (667, 60635), (689, 60713), (766, 60953), (808, 61067), (813, 61082),

Gene: Sizemore_18 Start: 16641, Stop: 18404, Start Num: 111

Candidate Starts for Sizemore_18:

(Start: 111 @16641 has 26 MA's), (Start: 142 @16650 has 43 MA's), (Start: 148 @16656 has 2 MA's), (155, 16662), (237, 16794), (255, 16845), (265, 16875), (275, 16899), (313, 17001), (328, 17040), (330, 17046), (338, 17061), (351, 17106), (393, 17226), (418, 17283), (439, 17322), (456, 17370), (463, 17397), (467, 17409), (491, 17490), (517, 17535), (587, 17733), (598, 17763), (604, 17781), (613, 17808), (638, 17892), (653, 17910), (662, 17925), (676, 17973), (679, 17988), (698, 18051), (713, 18108), (725, 18147), (742, 18189), (761, 18240), (800, 18336), (817, 18396),

Gene: SketchMex_17 Start: 15377, Stop: 17077, Start Num: 150

Candidate Starts for SketchMex_17:

(Start: 125 @15350 has 46 MA's), (Start: 150 @15377 has 7 MA's), (Start: 154 @15380 has 33 MA's), (265, 15590), (331, 15758), (334, 15764), (372, 15872), (375, 15881), (384, 15908), (393, 15938), (398, 15953), (432, 15986), (436, 15998), (448, 16034), (463, 16091), (467, 16103), (535, 16268), (587, 16418), (591, 16433), (599, 16451), (620, 16508), (677, 16637), (679, 16649), (685, 16667), (688, 16676), (706, 16748), (707, 16751), (709, 16757), (713, 16769), (748, 16874), (751, 16883), (759, 16916),

Gene: Skinny_29 Start: 22368, Stop: 24104, Start Num: 114

Candidate Starts for Skinny_29:

(51, 22146), (Start: 86 @22326 has 4 MA's), (Start: 93 @22341 has 2 MA's), (Start: 114 @22368 has 15 MA's), (132, 22383), (Start: 167 @22422 has 53 MA's), (188, 22452), (191, 22458), (201, 22470), (257, 22575), (261, 22590), (280, 22629), (327, 22752), (331, 22761), (362, 22857), (379, 22899), (380, 22902), (458, 23079), (496, 23190), (517, 23217), (536, 23289), (539, 23298), (540, 23301), (544, 23313), (586, 23433), (587, 23436), (601, 23478), (612, 23508), (614, 23514), (670, 23634), (672, 23640), (785, 23994), (794, 24021), (800, 24039), (802, 24048),

Gene: SkinnyPete_18 Start: 14990, Stop: 16699, Start Num: 134

Candidate Starts for SkinnyPete_18:

(Start: 134 @14990 has 43 MA's), (161, 15017), (189, 15056), (Start: 232 @15122 has 2 MA's), (236, 15134), (249, 15170), (256, 15194), (265, 15221), (274, 15242), (279, 15251), (287, 15257), (299, 15290), (364, 15464), (367, 15470), (371, 15479), (375, 15488), (379, 15500), (387, 15524), (398,

15566), (406, 15599), (432, 15650), (433, 15653), (437, 15665), (452, 15707), (457, 15722), (458, 15728), (469, 15776), (493, 15830), (517, 15854), (537, 15926), (557, 15980), (565, 15989), (568, 15998), (578, 16022), (589, 16049), (590, 16052), (639, 16157), (643, 16166), (659, 16205), (681, 16286), (697, 16343), (706, 16382), (743, 16496), (757, 16526), (758, 16529), (765, 16553), (786, 16589),

Gene: Skysand_43 Start: 30914, Stop: 32536, Start Num: 178

Candidate Starts for Skysand_43:

(Start: 178 @30914 has 37 MA's), (245, 31031), (270, 31109), (338, 31271), (342, 31283), (346, 31298), (369, 31364), (375, 31379), (413, 31490), (438, 31520), (439, 31523), (458, 31580), (477, 31652), (524, 31736), (531, 31757), (567, 31844), (586, 31892), (627, 32018), (628, 32021), (637, 32054), (678, 32111), (713, 32240), (725, 32279), (765, 32384), (793, 32447), (797, 32459), (801, 32471), (803, 32480), (813, 32516),

Gene: Slarp_24 Start: 18633, Stop: 20420, Start Num: 120

Candidate Starts for Slarp_24:

(Start: 95 @18594 has 1 MA's), (Start: 111 @18624 has 26 MA's), (Start: 117 @18630 has 41 MA's), (Start: 120 @18633 has 139 MA's), (177, 18690), (210, 18738), (Start: 232 @18777 has 2 MA's), (237, 18792), (245, 18810), (255, 18843), (265, 18873), (287, 18918), (295, 18936), (315, 19008), (317, 19014), (330, 19044), (353, 19110), (358, 19122), (407, 19257), (437, 19305), (439, 19311), (446, 19329), (456, 19359), (467, 19398), (517, 19524), (533, 19584), (534, 19587), (541, 19605), (546, 19620), (604, 19788), (622, 19842), (635, 19887), (655, 19932), (666, 19956), (676, 19989), (685, 20022), (704, 20094), (707, 20106), (723, 20157), (725, 20163), (764, 20265), (809, 20391), (817, 20412),

Gene: Sleepyhead_18 Start: 15726, Stop: 17306, Start Num: 173

Candidate Starts for Sleepyhead_18:

(Start: 173 @15726 has 1 MA's), (Start: 232 @15813 has 2 MA's), (255, 15879), (313, 16026), (317, 16041), (347, 16119), (355, 16146), (471, 16431), (477, 16452), (537, 16581), (540, 16587), (567, 16647), (580, 16674), (582, 16677), (598, 16710), (602, 16722), (612, 16752), (622, 16782), (628, 16803), (638, 16818), (689, 16938), (725, 17058), (728, 17070),

Gene: SlimJimmy_27 Start: 22354, Stop: 24090, Start Num: 114

Candidate Starts for SlimJimmy_27:

(51, 22132), (Start: 86 @22312 has 4 MA's), (Start: 93 @22327 has 2 MA's), (Start: 114 @22354 has 15 MA's), (132, 22369), (Start: 167 @22408 has 53 MA's), (188, 22438), (191, 22444), (201, 22456), (257, 22561), (261, 22576), (280, 22615), (327, 22738), (331, 22747), (362, 22843), (379, 22885), (380, 22888), (458, 23065), (496, 23176), (517, 23203), (536, 23275), (539, 23284), (540, 23287), (544, 23299), (586, 23419), (587, 23422), (601, 23464), (612, 23494), (614, 23500), (670, 23620), (672, 23626), (785, 23980), (794, 24007), (800, 24025), (802, 24034),

Gene: Slim_18 Start: 14596, Stop: 16305, Start Num: 129

Candidate Starts for Slim_18:

(Start: 129 @14596 has 207 MA's), (205, 14683), (Start: 232 @14728 has 2 MA's), (242, 14752), (279, 14857), (287, 14863), (294, 14881), (309, 14911), (347, 15016), (367, 15076), (375, 15094), (376, 15097), (379, 15106), (387, 15130), (432, 15256), (437, 15271), (439, 15277), (452, 15313), (453, 15316), (457, 15328), (458, 15334), (469, 15382), (474, 15394), (475, 15400), (517, 15460), (520, 15472), (531, 15508), (533, 15520), (565, 15595), (568, 15604), (575, 15622), (578, 15628), (590, 15658), (639, 15763), (645, 15775), (659, 15811), (680, 15889), (713, 16009), (723, 16042), (734, 16072), (737, 16084), (743, 16102), (745, 16108), (746, 16111), (748, 16117), (757, 16132), (758, 16135), (764, 16156), (765, 16159), (790, 16201), (797, 16231), (808, 16273), (809, 16279),

Gene: Slimphazie_23 Start: 17155, Stop: 18921, Start Num: 120

Candidate Starts for Slimphazie_23:

(Start: 120 @17155 has 139 MA's), (Start: 148 @17185 has 2 MA's), (245, 17344), (255, 17377), (265, 17407), (280, 17440), (287, 17452), (315, 17542), (333, 17584), (358, 17656), (360, 17665), (376, 17704), (390, 17749), (397, 17770), (398, 17773), (433, 17827), (439, 17845), (454, 17887), (456, 17893), (463, 17920), (517, 18058), (521, 18076), (533, 18118), (540, 18136), (551, 18166), (564, 18193), (604, 18298), (666, 18457), (677, 18493), (685, 18523), (688, 18532), (707, 18607), (723, 18658), (761, 18757), (800, 18853), (809, 18892), (810, 18895), (817, 18913),

Gene: Smooch_59 Start: 35189, Stop: 36925, Start Num: 109

Candidate Starts for Smooch_59:

(Start: 104 @35180 has 2 MA's), (Start: 109 @35189 has 26 MA's), (Start: 184 @35279 has 1 MA's), (248, 35396), (258, 35432), (266, 35453), (279, 35480), (287, 35486), (298, 35516), (311, 35540), (329, 35591), (379, 35729), (381, 35735), (395, 35786), (396, 35789), (401, 35807), (432, 35858), (439, 35879), (440, 35882), (457, 35930), (458, 35936), (469, 35984), (472, 35990), (474, 35996), (507, 36056), (517, 36080), (518, 36083), (531, 36128), (534, 36143), (537, 36152), (541, 36161), (557, 36206), (568, 36224), (582, 36257), (645, 36395), (654, 36416), (662, 36437), (674, 36482), (681, 36512), (696, 36566), (706, 36608), (713, 36629), (719, 36650), (723, 36662), (730, 36683), (748, 36737), (786, 36815), (797, 36851), (803, 36872), (809, 36899),

Gene: Smoothie_49 Start: 29612, Stop: 31303, Start Num: 152

Candidate Starts for Smoothie_49:

(Start: 152 @29612 has 16 MA's), (193, 29672), (214, 29705), (Start: 232 @29735 has 2 MA's), (233, 29738), (296, 29897), (299, 29906), (348, 30035), (363, 30083), (458, 30296), (459, 30302), (467, 30326), (524, 30455), (531, 30476), (541, 30509), (605, 30707), (678, 30860), (704, 30959), (707, 30971), (710, 30980), (740, 31064), (798, 31211), (807, 31247),

Gene: Smurph_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Smurph_18:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249, 15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364, 15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406, 15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477, 15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589, 16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743, 16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: Sneeze_18 Start: 16647, Stop: 18410, Start Num: 111

Candidate Starts for Sneeze_18:

(Start: 111 @16647 has 26 MA's), (Start: 142 @16656 has 43 MA's), (Start: 148 @16662 has 2 MA's), (155, 16668), (210, 16746), (237, 16800), (255, 16851), (265, 16881), (275, 16905), (313, 17007), (328, 17046), (330, 17052), (338, 17067), (393, 17232), (418, 17289), (439, 17328), (454, 17370), (456, 17376), (467, 17415), (504, 17514), (517, 17541), (587, 17739), (598, 17769), (604, 17787), (613, 17814), (638, 17898), (653, 17916), (662, 17931), (676, 17979), (679, 17994), (698, 18057), (703, 18081), (713, 18114), (725, 18153), (742, 18195), (800, 18342), (817, 18402),

Gene: Snekmaggedon_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for Snekmaggedon_18:

(Start: 134 @14993 has 43 MA's), (161, 15020), (189, 15059), (Start: 232 @15125 has 2 MA's), (236, 15137), (249, 15173), (256, 15197), (265, 15224), (274, 15245), (279, 15254), (287, 15260), (299, 15293), (364, 15467), (367, 15473), (371, 15482), (375, 15491), (379, 15503), (387, 15527), (398, 15569), (406, 15602), (432, 15653), (433, 15656), (437, 15668), (452, 15710), (457, 15725), (458, 15731), (469, 15779), (493, 15833), (517, 15857), (537, 15929), (557, 15983), (565, 15992), (568, 16001), (578, 16025), (589, 16052), (590, 16055), (639, 16160), (643, 16169), (659, 16208), (681,

16289), (697, 16346), (706, 16385), (743, 16499), (757, 16529), (758, 16532), (765, 16556), (786, 16592),

Gene: Snenia_19 Start: 17374, Stop: 19137, Start Num: 98

Candidate Starts for Snenia_19:

(Start: 98 @17374 has 41 MA's), (Start: 120 @17401 has 139 MA's), (174, 17464), (Start: 207 @17512 has 1 MA's), (210, 17518), (239, 17554), (262, 17629), (274, 17653), (278, 17659), (299, 17716), (344, 17830), (347, 17842), (385, 17953), (455, 18097), (458, 18109), (468, 18142), (543, 18331), (545, 18337), (563, 18394), (579, 18436), (583, 18445), (587, 18457), (613, 18532), (635, 18601), (638, 18613), (672, 18661), (689, 18727), (709, 18805), (723, 18850), (744, 18907), (764, 18970), (777, 19006), (785, 19021), (794, 19051), (796, 19057), (800, 19069), (802, 19078), (805, 19090),

Gene: SoJulia_18 Start: 16988, Stop: 18721, Start Num: 131

Candidate Starts for SoJulia_18:

(Start: 131 @16988 has 77 MA's), (188, 17057), (261, 17198), (262, 17201), (285, 17246), (296, 17279), (299, 17288), (312, 17324), (334, 17378), (344, 17405), (347, 17417), (362, 17468), (365, 17474), (378, 17507), (451, 17660), (458, 17684), (460, 17693), (472, 17738), (476, 17753), (517, 17831), (553, 17951), (575, 18014), (601, 18086), (614, 18122), (670, 18242), (672, 18248), (675, 18260), (691, 18323), (715, 18410), (723, 18437), (748, 18506), (754, 18521), (757, 18533), (764, 18557), (794, 18635),

Gene: SoSeph_21 Start: 17643, Stop: 19415, Start Num: 123

Candidate Starts for SoSeph_21:

(Start: 123 @17643 has 15 MA's), (127, 17649), (Start: 151 @17673 has 2 MA's), (177, 17706), (210, 17754), (237, 17808), (255, 17859), (280, 17922), (317, 18030), (358, 18138), (397, 18252), (398, 18255), (417, 18294), (433, 18309), (437, 18321), (439, 18327), (452, 18363), (454, 18369), (456, 18375), (467, 18414), (472, 18438), (517, 18540), (534, 18603), (550, 18648), (604, 18783), (635, 18882), (670, 18960), (676, 18984), (681, 19005), (687, 19023), (707, 19101), (709, 19107), (764, 19260), (804, 19365), (805, 19368), (809, 19386),

Gene: Soap141_18 Start: 17022, Stop: 18755, Start Num: 131

Candidate Starts for Soap141_18:

(Start: 131 @17022 has 77 MA's), (188, 17091), (261, 17232), (262, 17235), (285, 17280), (296, 17313), (299, 17322), (312, 17358), (334, 17412), (344, 17439), (347, 17451), (362, 17502), (365, 17508), (378, 17541), (451, 17694), (458, 17718), (460, 17727), (472, 17772), (476, 17787), (517, 17865), (553, 17985), (575, 18048), (601, 18120), (614, 18156), (670, 18276), (672, 18282), (675, 18294), (691, 18357), (715, 18444), (723, 18471), (748, 18540), (754, 18555), (757, 18567), (764, 18591), (794, 18669),

Gene: Socotra_19 Start: 15729, Stop: 17429, Start Num: 150

Candidate Starts for Socotra_19:

(Start: 150 @15729 has 7 MA's), (Start: 154 @15732 has 33 MA's), (265, 15942), (313, 16065), (334, 16116), (362, 16203), (366, 16212), (375, 16233), (380, 16248), (384, 16260), (432, 16338), (436, 16350), (446, 16377), (454, 16410), (463, 16443), (467, 16455), (477, 16497), (535, 16620), (558, 16692), (587, 16770), (591, 16785), (599, 16803), (620, 16860), (666, 16953), (677, 16989), (679, 17001), (681, 17007), (685, 17019), (688, 17028), (706, 17100), (707, 17103), (709, 17109), (713, 17121), (731, 17181), (748, 17226), (751, 17235), (759, 17268), (790, 17334),

Gene: SoilAssassin_17 Start: 14751, Stop: 16460, Start Num: 169

Candidate Starts for SoilAssassin_17:

(77, 14616), (Start: 169 @14751 has 31 MA's), (260, 14940), (261, 14943), (295, 15018), (312, 15072), (340, 15141), (344, 15153), (370, 15231), (372, 15234), (410, 15366), (431, 15420), (445, 15471), (455, 15501), (469, 15561), (474, 15573), (513, 15609), (556, 15726), (570, 15744), (585, 15783),

(621, 15879), (671, 15987), (749, 16263), (750, 16266), (764, 16314), (774, 16344),

Gene: Sonah_19 Start: 16375, Stop: 18111, Start Num: 125

Candidate Starts for Sonah_19:

(Start: 106 @16351 has 2 MA's), (Start: 125 @16375 has 46 MA's), (175, 16435), (189, 16456), (190, 16459), (253, 16579), (265, 16618), (280, 16651), (295, 16675), (342, 16795), (353, 16834), (355, 16840), (385, 16924), (387, 16930), (390, 16942), (396, 16966), (403, 16993), (409, 17011), (429, 17050), (432, 17056), (440, 17080), (458, 17134), (461, 17146), (464, 17155), (479, 17215), (522, 17293), (533, 17332), (545, 17365), (568, 17431), (574, 17446), (578, 17455), (587, 17479), (597, 17509), (602, 17521), (656, 17623), (662, 17635), (663, 17638), (664, 17644), (665, 17653), (696, 17761), (719, 17845), (752, 17944), (800, 18052), (813, 18100),

Gene: Sopespian_18 Start: 15730, Stop: 17430, Start Num: 150

Candidate Starts for Sopespian_18:

(Start: 150 @15730 has 7 MA's), (Start: 154 @15733 has 33 MA's), (265, 15943), (313, 16066), (334, 16117), (362, 16204), (366, 16213), (375, 16234), (380, 16249), (384, 16261), (432, 16339), (436, 16351), (446, 16378), (454, 16411), (463, 16444), (467, 16456), (477, 16498), (535, 16621), (558, 16693), (587, 16771), (591, 16786), (599, 16804), (620, 16861), (666, 16954), (677, 16990), (679, 17002), (681, 17008), (685, 17020), (688, 17029), (706, 17101), (707, 17104), (709, 17110), (713, 17122), (731, 17182), (748, 17227), (751, 17236), (759, 17269), (790, 17335),

Gene: SophKB_24 Start: 19745, Stop: 21424, Start Num: 137

Candidate Starts for SophKB_24:

(Start: 137 @19745 has 79 MA's), (Start: 203 @19829 has 47 MA's), (Start: 244 @19907 has 1 MA's), (274, 19994), (287, 20009), (309, 20057), (321, 20096), (353, 20183), (365, 20216), (379, 20252), (388, 20282), (390, 20288), (409, 20357), (435, 20387), (438, 20399), (439, 20402), (458, 20459), (518, 20591), (519, 20597), (538, 20663), (541, 20669), (549, 20693), (568, 20741), (578, 20765), (582, 20774), (606, 20849), (643, 20900), (650, 20915), (698, 21077), (704, 21104), (713, 21134), (747, 21239), (786, 21317), (797, 21353), (800, 21362), (808, 21395), (813, 21410),

Gene: Sotrice96_24 Start: 19701, Stop: 21380, Start Num: 137

Candidate Starts for Sotrice96_24:

(Start: 137 @19701 has 79 MA's), (Start: 203 @19785 has 47 MA's), (Start: 244 @19863 has 1 MA's), (274, 19950), (287, 19965), (309, 20013), (321, 20052), (353, 20139), (365, 20172), (379, 20208), (388, 20238), (390, 20244), (409, 20313), (435, 20343), (438, 20355), (439, 20358), (458, 20415), (518, 20547), (519, 20553), (538, 20619), (541, 20625), (549, 20649), (568, 20697), (578, 20721), (582, 20730), (606, 20805), (643, 20856), (650, 20871), (698, 21033), (704, 21060), (713, 21090), (747, 21195), (786, 21273), (797, 21309), (800, 21318), (808, 21351), (813, 21366),

Gene: Sparkdehlily_16 Start: 14836, Stop: 16545, Start Num: 129

Candidate Starts for Sparkdehlily_16:

(Start: 129 @14836 has 207 MA's), (Start: 232 @14968 has 2 MA's), (242, 14992), (258, 15049), (279, 15097), (287, 15103), (294, 15121), (309, 15151), (347, 15256), (364, 15310), (367, 15316), (371, 15325), (379, 15346), (387, 15370), (396, 15406), (398, 15412), (406, 15445), (407, 15448), (411, 15457), (424, 15472), (425, 15478), (432, 15496), (437, 15511), (439, 15517), (446, 15535), (447, 15538), (452, 15553), (457, 15568), (458, 15574), (469, 15622), (474, 15634), (475, 15640), (517, 15700), (520, 15712), (531, 15748), (533, 15760), (565, 15835), (568, 15844), (575, 15862), (578, 15868), (590, 15898), (639, 16003), (645, 16015), (659, 16051), (680, 16129), (713, 16249), (723, 16282), (734, 16312), (737, 16324), (743, 16342), (745, 16348), (746, 16351), (748, 16357), (757, 16372), (758, 16375), (764, 16396), (765, 16399), (790, 16441), (797, 16471), (808, 16513), (809, 16519),

Gene: Sparky_16 Start: 16144, Stop: 17859, Start Num: 131

Candidate Starts for Sparky_16:

(Start: 131 @16144 has 77 MA's), (140, 16153), (235, 16279), (261, 16357), (265, 16363), (266, 16366), (282, 16399), (299, 16447), (301, 16453), (327, 16519), (341, 16552), (346, 16570), (379, 16666), (439, 16780), (458, 16837), (463, 16855), (472, 16891), (517, 16972), (519, 16981), (543, 17059), (554, 17095), (588, 17185), (614, 17260), (672, 17386), (696, 17476), (724, 17578), (764, 17707), (784, 17749), (794, 17776), (802, 17803), (805, 17815), (806, 17818), (813, 17842),

Gene: SpeedDemon_320 Start: 28963, Stop: 30726, Start Num: 153

Candidate Starts for SpeedDemon_320:

(69, 28831), (73, 28837), (Start: 153 @28963 has 5 MA's), (193, 29020), (262, 29173), (298, 29248), (348, 29380), (363, 29428), (393, 29512), (439, 29674), (440, 29677), (455, 29719), (458, 29731), (459, 29737), (475, 29797), (477, 29803), (533, 29923), (545, 29956), (561, 30004), (605, 30130), (629, 30196), (704, 30382), (707, 30394), (733, 30472), (756, 30526), (818, 30718),

Gene: Spikelee_17 Start: 14630, Stop: 16339, Start Num: 129

Candidate Starts for Spikelee_17:

(Start: 129 @14630 has 207 MA's), (205, 14717), (Start: 232 @14762 has 2 MA's), (242, 14786), (279, 14891), (287, 14897), (294, 14915), (309, 14945), (347, 15050), (364, 15104), (367, 15110), (371, 15119), (379, 15140), (387, 15164), (396, 15200), (398, 15206), (406, 15239), (407, 15242), (411, 15251), (424, 15266), (425, 15272), (432, 15290), (437, 15305), (439, 15311), (446, 15329), (447, 15332), (452, 15347), (457, 15362), (458, 15368), (469, 15416), (474, 15428), (475, 15434), (517, 15494), (520, 15506), (531, 15542), (533, 15554), (565, 15629), (568, 15638), (575, 15656), (578, 15662), (590, 15692), (639, 15797), (645, 15809), (659, 15845), (680, 15923), (713, 16043), (723, 16076), (734, 16106), (737, 16118), (743, 16136), (745, 16142), (746, 16145), (748, 16151), (757, 16166), (758, 16169), (764, 16190), (765, 16193), (790, 16235), (797, 16265), (808, 16307), (809, 16313),

Gene: Spock_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Spock_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: SpongeBob_18 Start: 14993, Stop: 16702, Start Num: 134

Candidate Starts for SpongeBob_18:

(Start: 134 @14993 has 43 MA's), (161, 15020), (189, 15059), (Start: 232 @15125 has 2 MA's), (236, 15137), (249, 15173), (256, 15197), (265, 15224), (274, 15245), (279, 15254), (287, 15260), (299, 15293), (364, 15467), (367, 15473), (371, 15482), (375, 15491), (379, 15503), (387, 15527), (398, 15569), (406, 15602), (432, 15653), (433, 15656), (437, 15668), (452, 15710), (457, 15725), (458, 15731), (469, 15779), (493, 15833), (517, 15857), (537, 15929), (557, 15983), (565, 15992), (568, 16001), (578, 16025), (589, 16052), (590, 16055), (639, 16160), (643, 16169), (659, 16208), (681, 16289), (697, 16346), (706, 16385), (743, 16499), (757, 16529), (758, 16532), (765, 16556), (786, 16592),

Gene: Spoonbill_16 Start: 14813, Stop: 16522, Start Num: 129

Candidate Starts for Spoonbill_16:

(Start: 129 @14813 has 207 MA's), (205, 14900), (Start: 232 @14945 has 2 MA's), (242, 14969), (279, 15074), (287, 15080), (294, 15098), (309, 15128), (347, 15233), (367, 15293), (376, 15314), (379, 15323), (387, 15347), (406, 15422), (407, 15425), (432, 15473), (437, 15488), (439, 15494), (452, 15530), (453, 15533), (457, 15545), (458, 15551), (469, 15599), (474, 15611), (475, 15617), (517,

15677), (520, 15689), (531, 15725), (533, 15737), (565, 15812), (568, 15821), (575, 15839), (578, 15845), (590, 15875), (639, 15980), (645, 15992), (659, 16028), (680, 16106), (713, 16226), (723, 16259), (734, 16289), (743, 16319), (746, 16328), (748, 16334), (757, 16349), (758, 16352), (765, 16376), (782, 16406), (790, 16418), (797, 16448), (808, 16490),

Gene: Sproutie_17 Start: 14758, Stop: 16467, Start Num: 169

Candidate Starts for Sproutie_17:

(Start: 169 @14758 has 31 MA's), (238, 14875), (295, 15025), (309, 15064), (312, 15079), (340, 15148), (344, 15160), (370, 15238), (372, 15241), (410, 15373), (431, 15427), (455, 15508), (469, 15568), (472, 15574), (474, 15580), (529, 15661), (543, 15697), (556, 15733), (570, 15751), (585, 15790), (613, 15862), (621, 15886), (701, 16120), (705, 16135), (718, 16177), (749, 16270), (750, 16273), (764, 16321), (774, 16351),

Gene: Squint_33 Start: 25007, Stop: 26740, Start Num: 131

Candidate Starts for Squint_33:

(Start: 131 @25007 has 77 MA's), (Start: 203 @25097 has 47 MA's), (205, 25100), (242, 25175), (251, 25202), (274, 25268), (295, 25304), (310, 25334), (313, 25349), (345, 25433), (355, 25469), (365, 25496), (380, 25535), (390, 25568), (393, 25577), (407, 25634), (428, 25676), (455, 25751), (458, 25763), (474, 25823), (506, 25877), (518, 25907), (522, 25925), (526, 25934), (534, 25967), (538, 25979), (541, 25985), (554, 26024), (578, 26081), (650, 26231), (656, 26249), (670, 26291), (676, 26315), (677, 26318), (680, 26333), (689, 26363), (698, 26393), (713, 26450), (767, 26600), (810, 26720), (813, 26726),

Gene: Squirty_17 Start: 14712, Stop: 16421, Start Num: 129

Candidate Starts for Squirty_17:

(Start: 129 @14712 has 207 MA's), (205, 14799), (Start: 232 @14844 has 2 MA's), (242, 14868), (279, 14973), (287, 14979), (294, 14997), (309, 15027), (347, 15132), (367, 15192), (376, 15213), (379, 15222), (387, 15246), (432, 15372), (437, 15387), (439, 15393), (452, 15429), (457, 15444), (458, 15450), (469, 15498), (474, 15510), (475, 15516), (517, 15576), (520, 15588), (531, 15624), (533, 15636), (565, 15711), (568, 15720), (575, 15738), (578, 15744), (590, 15774), (639, 15879), (643, 15888), (645, 15891), (659, 15927), (680, 16005), (706, 16104), (713, 16125), (723, 16158), (734, 16188), (743, 16218), (746, 16227), (748, 16233), (757, 16248), (758, 16251), (764, 16272), (765, 16275), (782, 16305), (790, 16317), (808, 16389),

Gene: StAB_17 Start: 16311, Stop: 18008, Start Num: 112

Candidate Starts for StAB_17:

(Start: 112 @16311 has 4 MA's), (130, 16332), (202, 16416), (217, 16443), (221, 16449), (286, 16581), (304, 16632), (313, 16665), (321, 16689), (365, 16809), (378, 16842), (384, 16860), (405, 16914), (442, 16959), (458, 17016), (461, 17028), (471, 17067), (510, 17127), (518, 17148), (520, 17157), (539, 17214), (572, 17304), (610, 17412), (627, 17466), (629, 17472), (634, 17490), (681, 17586), (688, 17607), (699, 17652), (750, 17811), (753, 17826), (758, 17841), (761, 17853), (813, 17997),

Gene: StAnnes_16 Start: 14854, Stop: 16563, Start Num: 129

Candidate Starts for StAnnes_16:

(Start: 129 @14854 has 207 MA's), (205, 14941), (Start: 232 @14986 has 2 MA's), (242, 15010), (279, 15115), (287, 15121), (294, 15139), (309, 15169), (347, 15274), (367, 15334), (376, 15355), (379, 15364), (387, 15388), (432, 15514), (437, 15529), (439, 15535), (452, 15571), (453, 15574), (457, 15586), (458, 15592), (469, 15640), (474, 15652), (475, 15658), (517, 15718), (520, 15730), (531, 15766), (533, 15778), (565, 15853), (568, 15862), (575, 15880), (578, 15886), (590, 15916), (639, 16021), (643, 16030), (645, 16033), (659, 16069), (680, 16147), (706, 16246), (713, 16267), (723, 16300), (734, 16330), (743, 16360), (746, 16369), (748, 16375), (757, 16390), (758, 16393), (765, 16417), (782, 16447), (790, 16459), (797, 16489), (808, 16531),

Gene: Stank_27 Start: 20336, Stop: 21931, Start Num: 203

Candidate Starts for Stank_27:

(Start: 137 @20252 has 79 MA's), (Start: 203 @20336 has 47 MA's), (Start: 244 @20414 has 1 MA's), (274, 20501), (287, 20516), (309, 20564), (321, 20603), (353, 20690), (365, 20723), (379, 20759), (388, 20789), (390, 20795), (409, 20864), (435, 20894), (438, 20906), (439, 20909), (458, 20966), (518, 21098), (519, 21104), (538, 21170), (541, 21176), (549, 21200), (568, 21248), (578, 21272), (582, 21281), (606, 21356), (643, 21407), (650, 21422), (698, 21584), (704, 21611), (713, 21641), (747, 21746), (786, 21824), (797, 21860), (800, 21869), (808, 21902), (813, 21917),

Gene: Stap_17 Start: 14836, Stop: 16545, Start Num: 129

Candidate Starts for Stap_17:

(Start: 129 @14836 has 207 MA's), (205, 14923), (Start: 232 @14968 has 2 MA's), (242, 14992), (279, 15097), (287, 15103), (294, 15121), (309, 15151), (347, 15256), (367, 15316), (376, 15337), (379, 15346), (387, 15370), (406, 15445), (432, 15496), (437, 15511), (439, 15517), (452, 15553), (453, 15556), (457, 15568), (458, 15574), (469, 15622), (474, 15634), (475, 15640), (517, 15700), (520, 15712), (531, 15748), (533, 15760), (565, 15835), (568, 15844), (575, 15862), (578, 15868), (590, 15898), (639, 16003), (645, 16015), (659, 16051), (680, 16129), (706, 16228), (713, 16249), (723, 16282), (734, 16312), (743, 16342), (745, 16348), (746, 16351), (748, 16357), (757, 16372), (758, 16375), (764, 16396), (765, 16399), (790, 16441), (808, 16513), (809, 16519),

Gene: StarStruck_42 Start: 30437, Stop: 32053, Start Num: 178

Candidate Starts for StarStruck_42:

(Start: 178 @30437 has 37 MA's), (245, 30551), (346, 30818), (369, 30884), (375, 30899), (383, 30923), (384, 30926), (413, 31010), (438, 31040), (444, 31058), (456, 31091), (458, 31100), (463, 31118), (469, 31148), (477, 31172), (524, 31256), (531, 31277), (550, 31325), (567, 31364), (586, 31412), (627, 31538), (637, 31574), (692, 31685), (713, 31760), (782, 31937), (797, 31979), (813, 32036),

Gene: Starburst_19 Start: 15729, Stop: 17429, Start Num: 150

Candidate Starts for Starburst_19:

(Start: 150 @15729 has 7 MA's), (Start: 154 @15732 has 33 MA's), (265, 15942), (313, 16065), (315, 16074), (334, 16116), (362, 16203), (366, 16212), (375, 16233), (380, 16248), (384, 16260), (432, 16338), (436, 16350), (446, 16377), (454, 16410), (463, 16443), (467, 16455), (477, 16497), (535, 16620), (558, 16692), (587, 16770), (591, 16785), (599, 16803), (620, 16860), (666, 16953), (677, 16989), (679, 17001), (681, 17007), (685, 17019), (688, 17028), (706, 17100), (707, 17103), (709, 17109), (713, 17121), (731, 17181), (748, 17226), (751, 17235), (759, 17268), (790, 17334),

Gene: Starcevich_17 Start: 14598, Stop: 16307, Start Num: 129

Candidate Starts for Starcevich_17:

(Start: 129 @14598 has 207 MA's), (205, 14685), (Start: 232 @14730 has 2 MA's), (242, 14754), (279, 14859), (287, 14865), (294, 14883), (309, 14913), (347, 15018), (367, 15078), (375, 15096), (376, 15099), (379, 15108), (387, 15132), (432, 15258), (437, 15273), (439, 15279), (452, 15315), (453, 15318), (457, 15330), (458, 15336), (469, 15384), (474, 15396), (475, 15402), (517, 15462), (520, 15474), (531, 15510), (533, 15522), (565, 15597), (568, 15606), (575, 15624), (578, 15630), (590, 15660), (639, 15765), (645, 15777), (659, 15813), (680, 15891), (713, 16011), (723, 16044), (734, 16074), (737, 16086), (743, 16104), (745, 16110), (746, 16113), (748, 16119), (757, 16134), (758, 16137), (764, 16158), (765, 16161), (790, 16203), (797, 16233), (808, 16275), (809, 16281),

Gene: Stargaze_18 Start: 16978, Stop: 18702, Start Num: 148

Candidate Starts for Stargaze_18:

(Start: 148 @16978 has 2 MA's), (233, 17098), (255, 17161), (265, 17191), (299, 17266), (313, 17317), (315, 17326), (317, 17332), (330, 17362), (333, 17368), (351, 17422), (375, 17485), (393, 17542), (439, 17638), (443, 17647), (456, 17686), (467, 17725), (475, 17761), (587, 18043), (604, 18091),

(613, 18118), (624, 18154), (653, 18208), (713, 18406), (720, 18430), (723, 18439), (742, 18487), (800, 18634), (810, 18676), (811, 18679),

Gene: Stark_25 Start: 19504, Stop: 21183, Start Num: 137

Candidate Starts for Stark_25:

(Start: 137 @19504 has 79 MA's), (Start: 203 @19588 has 47 MA's), (Start: 244 @19666 has 1 MA's), (274, 19753), (287, 19768), (309, 19816), (321, 19855), (353, 19942), (365, 19975), (379, 20011), (388, 20041), (390, 20047), (409, 20116), (435, 20146), (438, 20158), (439, 20161), (458, 20218), (518, 20350), (519, 20356), (538, 20422), (541, 20428), (549, 20452), (568, 20500), (578, 20524), (582, 20533), (606, 20608), (643, 20659), (650, 20674), (698, 20836), (704, 20863), (713, 20893), (747, 20998), (786, 21076), (797, 21112), (800, 21121), (808, 21154), (813, 21169),

Gene: SteamedHams_20 Start: 15398, Stop: 17095, Start Num: 154

Candidate Starts for SteamedHams_20:

(Start: 150 @15395 has 7 MA's), (Start: 154 @15398 has 33 MA's), (226, 15500), (Start: 232 @15512 has 2 MA's), (265, 15608), (301, 15692), (334, 15782), (353, 15842), (362, 15869), (375, 15899), (376, 15902), (398, 15971), (432, 16004), (436, 16016), (437, 16019), (444, 16040), (446, 16043), (463, 16109), (467, 16121), (535, 16286), (587, 16436), (591, 16451), (599, 16469), (620, 16526), (679, 16667), (681, 16673), (685, 16685), (688, 16694), (706, 16766), (707, 16769), (709, 16775), (713, 16787), (748, 16892), (751, 16901), (759, 16934),

Gene: StellaBean_24 Start: 19745, Stop: 21424, Start Num: 137

Candidate Starts for StellaBean_24:

(Start: 137 @19745 has 79 MA's), (Start: 203 @19829 has 47 MA's), (Start: 244 @19907 has 1 MA's), (274, 19994), (287, 20009), (309, 20057), (321, 20096), (353, 20183), (365, 20216), (379, 20252), (388, 20282), (390, 20288), (409, 20357), (435, 20387), (438, 20399), (439, 20402), (458, 20459), (518, 20591), (519, 20597), (538, 20663), (541, 20669), (549, 20693), (568, 20741), (578, 20765), (582, 20774), (606, 20849), (643, 20900), (650, 20915), (698, 21077), (704, 21104), (713, 21134), (747, 21239), (786, 21317), (797, 21353), (800, 21362), (808, 21395), (813, 21410),

Gene: StevieRay_19 Start: 16376, Stop: 18112, Start Num: 125

Candidate Starts for StevieRay_19:

(Start: 106 @16352 has 2 MA's), (Start: 125 @16376 has 46 MA's), (175, 16436), (189, 16457), (190, 16460), (253, 16580), (265, 16619), (280, 16652), (295, 16676), (342, 16796), (353, 16835), (355, 16841), (385, 16925), (387, 16931), (390, 16943), (396, 16967), (403, 16994), (409, 17012), (429, 17051), (432, 17057), (440, 17081), (458, 17135), (461, 17147), (464, 17156), (479, 17216), (522, 17294), (533, 17333), (545, 17366), (568, 17432), (574, 17447), (578, 17456), (587, 17480), (597, 17510), (602, 17522), (656, 17624), (662, 17636), (663, 17639), (664, 17645), (665, 17654), (696, 17762), (719, 17846), (752, 17945), (800, 18053), (813, 18101),

Gene: StickyNote_33 Start: 28749, Stop: 30347, Start Num: 183

Candidate Starts for StickyNote_33:

(Start: 183 @28749 has 8 MA's), (270, 28917), (289, 28956), (337, 29091), (355, 29151), (428, 29304), (435, 29316), (437, 29325), (438, 29328), (454, 29373), (458, 29388), (460, 29397), (477, 29460), (482, 29478), (521, 29532), (602, 29748), (632, 29841), (686, 29949), (699, 30003), (722, 30078), (766, 30207), (812, 30333),

Gene: Stiles_17 Start: 16089, Stop: 17786, Start Num: 112

Candidate Starts for Stiles_17:

(Start: 112 @16089 has 4 MA's), (130, 16110), (202, 16194), (217, 16221), (221, 16227), (286, 16359), (304, 16410), (313, 16443), (321, 16467), (365, 16587), (378, 16620), (384, 16638), (405, 16692), (442, 16737), (458, 16794), (461, 16806), (471, 16845), (510, 16905), (518, 16926), (520, 16935), (539, 16992), (572, 17082), (610, 17190), (627, 17244), (629, 17250), (634, 17268), (681, 17364),

(688, 17385), (699, 17430), (750, 17589), (753, 17604), (758, 17619), (761, 17631), (813, 17775),

Gene: Stinson_23 Start: 17121, Stop: 18887, Start Num: 120

Candidate Starts for Stinson_23:

(Start: 120 @17121 has 139 MA's), (Start: 148 @17151 has 2 MA's), (245, 17310), (255, 17343), (265, 17373), (280, 17406), (287, 17418), (315, 17508), (330, 17544), (333, 17550), (358, 17622), (360, 17631), (376, 17670), (390, 17715), (397, 17736), (398, 17739), (439, 17811), (454, 17853), (456, 17859), (463, 17886), (472, 17922), (491, 17979), (517, 18024), (521, 18042), (540, 18102), (551, 18132), (564, 18159), (604, 18264), (633, 18354), (666, 18423), (677, 18459), (685, 18489), (688, 18498), (707, 18573), (723, 18624), (761, 18723), (786, 18774), (809, 18858), (810, 18861), (817, 18879),

Gene: StolenFromERC_26 Start: 19736, Stop: 21415, Start Num: 137

Candidate Starts for StolenFromERC_26:

(Start: 137 @19736 has 79 MA's), (Start: 203 @19820 has 47 MA's), (Start: 244 @19898 has 1 MA's), (274, 19985), (287, 20000), (309, 20048), (321, 20087), (353, 20174), (365, 20207), (379, 20243), (388, 20273), (390, 20279), (409, 20348), (435, 20378), (438, 20390), (439, 20393), (458, 20450), (518, 20582), (519, 20588), (538, 20654), (541, 20660), (549, 20684), (568, 20732), (578, 20756), (582, 20765), (606, 20840), (643, 20891), (650, 20906), (698, 21068), (704, 21095), (713, 21125), (747, 21230), (786, 21308), (797, 21344), (800, 21353), (808, 21386), (813, 21401),

Gene: StormChicken_24 Start: 20004, Stop: 21599, Start Num: 203

Candidate Starts for StormChicken_24:

(Start: 137 @19920 has 79 MA's), (Start: 203 @20004 has 47 MA's), (Start: 244 @20082 has 1 MA's), (274, 20169), (287, 20184), (309, 20232), (321, 20271), (353, 20358), (365, 20391), (379, 20427), (388, 20457), (390, 20463), (409, 20532), (435, 20562), (438, 20574), (439, 20577), (458, 20634), (518, 20766), (519, 20772), (538, 20838), (541, 20844), (549, 20868), (568, 20916), (578, 20940), (582, 20949), (606, 21024), (643, 21075), (650, 21090), (698, 21252), (704, 21279), (713, 21309), (747, 21414), (786, 21492), (797, 21528), (800, 21537), (808, 21570), (813, 21585),

Gene: StressBall_19 Start: 16273, Stop: 18009, Start Num: 125

Candidate Starts for StressBall_19:

(Start: 106 @16249 has 2 MA's), (Start: 125 @16273 has 46 MA's), (175, 16333), (189, 16354), (190, 16357), (253, 16477), (265, 16516), (280, 16549), (295, 16573), (342, 16693), (353, 16732), (355, 16738), (385, 16822), (387, 16828), (390, 16840), (396, 16864), (403, 16891), (409, 16909), (429, 16948), (432, 16954), (440, 16978), (458, 17032), (461, 17044), (464, 17053), (479, 17113), (522, 17191), (533, 17230), (545, 17263), (568, 17329), (578, 17353), (587, 17377), (597, 17407), (656, 17521), (662, 17533), (664, 17542), (665, 17551), (696, 17659), (719, 17743), (752, 17842), (800, 17950), (813, 17998),

Gene: Strobilo_19 Start: 15016, Stop: 16785, Start Num: 117

Candidate Starts for Strobilo_19:

(Start: 95 @14980 has 1 MA's), (Start: 111 @15010 has 26 MA's), (Start: 117 @15016 has 41 MA's), (Start: 142 @15031 has 43 MA's), (177, 15073), (210, 15121), (Start: 232 @15160 has 2 MA's), (237, 15175), (255, 15226), (265, 15256), (280, 15289), (287, 15301), (295, 15319), (315, 15391), (317, 15397), (353, 15493), (358, 15505), (393, 15607), (398, 15622), (416, 15658), (439, 15694), (456, 15742), (467, 15781), (472, 15805), (475, 15817), (517, 15907), (519, 15916), (586, 16111), (604, 16162), (622, 16216), (637, 16270), (685, 16384), (688, 16393), (707, 16468), (723, 16519), (725, 16525), (761, 16621), (789, 16675), (809, 16756), (817, 16777),

Gene: Strokeseat_16 Start: 14904, Stop: 16613, Start Num: 129

Candidate Starts for Strokeseat_16:

(Start: 129 @14904 has 207 MA's), (205, 14991), (Start: 232 @15036 has 2 MA's), (242, 15060), (279, 15165), (287, 15171), (294, 15189), (309, 15219), (347, 15324), (367, 15384), (376, 15405), (379, 15414), (387, 15438), (432, 15564), (437, 15579), (439, 15585), (452, 15621), (453, 15624), (457, 15636), (458, 15642), (469, 15690), (474, 15702), (475, 15708), (517, 15768), (520, 15780), (531, 15816), (533, 15828), (565, 15903), (568, 15912), (575, 15930), (578, 15936), (590, 15966), (639, 16071), (643, 16080), (645, 16083), (659, 16119), (680, 16197), (706, 16296), (713, 16317), (723, 16350), (734, 16380), (743, 16410), (746, 16419), (748, 16425), (757, 16440), (758, 16443), (765, 16467), (782, 16497), (790, 16509), (797, 16539), (808, 16581),

Gene: Suerte_18 Start: 16811, Stop: 18391, Start Num: 167

Candidate Starts for Suerte_18:

(83, 16694), (Start: 167 @16811 has 53 MA's), (302, 17069), (310, 17090), (327, 17144), (344, 17183), (361, 17240), (370, 17261), (456, 17432), (460, 17450), (468, 17474), (472, 17495), (513, 17537), (543, 17618), (584, 17708), (602, 17753), (621, 17810), (622, 17813), (637, 17867), (680, 17957), (761, 18236), (764, 18245), (774, 18275),

Gene: Sukkupi_43 Start: 29457, Stop: 31073, Start Num: 178

Candidate Starts for Sukkupi_43:

(Start: 178 @29457 has 37 MA's), (Start: 184 @29466 has 1 MA's), (Start: 187 @29469 has 8 MA's), (Start: 207 @29493 has 1 MA's), (245, 29571), (313, 29754), (338, 29811), (342, 29823), (346, 29838), (369, 29904), (375, 29919), (383, 29943), (413, 30030), (428, 30036), (438, 30060), (458, 30120), (467, 30150), (471, 30171), (524, 30276), (531, 30297), (567, 30384), (586, 30432), (627, 30558), (637, 30594), (706, 30759), (712, 30777), (723, 30813), (793, 30987), (797, 30999), (813, 31056),

Gene: Sulley_23 Start: 17121, Stop: 18887, Start Num: 120

Candidate Starts for Sulley_23:

(Start: 120 @17121 has 139 MA's), (Start: 148 @17151 has 2 MA's), (245, 17310), (255, 17343), (265, 17373), (280, 17406), (287, 17418), (315, 17508), (333, 17550), (358, 17622), (360, 17631), (376, 17670), (390, 17715), (397, 17736), (398, 17739), (433, 17793), (439, 17811), (454, 17853), (456, 17859), (463, 17886), (517, 18024), (521, 18042), (533, 18084), (540, 18102), (551, 18132), (564, 18159), (604, 18264), (666, 18423), (677, 18459), (685, 18489), (688, 18498), (707, 18573), (723, 18624), (800, 18819), (809, 18858), (810, 18861), (817, 18879),

Gene: SummitAcademy_17 Start: 15495, Stop: 17189, Start Num: 154

Candidate Starts for SummitAcademy_17:

(Start: 150 @15492 has 7 MA's), (Start: 154 @15495 has 33 MA's), (226, 15594), (Start: 244 @15636 has 1 MA's), (334, 15876), (362, 15963), (372, 15984), (375, 15993), (384, 16020), (398, 16065), (432, 16098), (437, 16113), (446, 16137), (454, 16170), (463, 16203), (467, 16215), (480, 16272), (516, 16320), (525, 16350), (535, 16380), (540, 16395), (555, 16443), (573, 16494), (587, 16530), (591, 16545), (599, 16563), (620, 16620), (622, 16629), (677, 16749), (679, 16761), (693, 16809), (706, 16860), (707, 16863), (713, 16881), (739, 16959), (748, 16986), (759, 17028), (810, 17175), (813, 17181),

Gene: Sunflower1121_21 Start: 16226, Stop: 17992, Start Num: 120

Candidate Starts for Sunflower1121_21:

(Start: 111 @16217 has 26 MA's), (Start: 120 @16226 has 139 MA's), (Start: 148 @16256 has 2 MA's), (Start: 232 @16382 has 2 MA's), (237, 16397), (245, 16415), (255, 16448), (265, 16478), (287, 16523), (315, 16613), (330, 16649), (358, 16727), (360, 16736), (397, 16841), (398, 16844), (437, 16910), (439, 16916), (454, 16958), (456, 16964), (463, 16991), (521, 17147), (540, 17207), (583, 17309), (587, 17321), (604, 17369), (628, 17444), (635, 17468), (666, 17528), (677, 17564), (685, 17594), (707, 17678), (723, 17729), (725, 17735), (761, 17828), (809, 17963), (810, 17966), (817, 17984),

Gene: SuperGrey_17 Start: 15480, Stop: 17189, Start Num: 129

Candidate Starts for SuperGrey_17:

(Start: 129 @15480 has 207 MA's), (205, 15567), (Start: 232 @15612 has 2 MA's), (242, 15636), (279, 15741), (287, 15747), (294, 15765), (309, 15795), (347, 15900), (367, 15960), (376, 15981), (379, 15990), (387, 16014), (398, 16056), (406, 16089), (411, 16101), (424, 16116), (425, 16122), (432, 16140), (437, 16155), (439, 16161), (452, 16197), (453, 16200), (457, 16212), (458, 16218), (460, 16227), (469, 16266), (474, 16278), (475, 16284), (517, 16344), (520, 16356), (531, 16392), (533, 16404), (565, 16479), (568, 16488), (575, 16506), (578, 16512), (590, 16542), (639, 16647), (643, 16656), (645, 16659), (659, 16695), (680, 16773), (713, 16893), (734, 16956), (743, 16986), (746, 16995), (748, 17001), (757, 17016), (758, 17019), (765, 17043), (782, 17073), (790, 17085), (808, 17157),

Gene: SuperSulley_42 Start: 30625, Stop: 32241, Start Num: 178

Candidate Starts for SuperSulley_42:

(Start: 178 @30625 has 37 MA's), (Start: 187 @30637 has 8 MA's), (245, 30739), (273, 30823), (346, 31006), (369, 31072), (375, 31087), (383, 31111), (413, 31198), (438, 31228), (439, 31231), (458, 31288), (477, 31360), (531, 31465), (567, 31552), (586, 31600), (627, 31726), (637, 31762), (692, 31873), (713, 31948), (782, 32125), (797, 32167), (813, 32224),

Gene: Superphikiman_34 Start: 25162, Stop: 26805, Start Num: 203

Candidate Starts for Superphikiman_34:

(Start: 131 @25072 has 77 MA's), (Start: 203 @25162 has 47 MA's), (205, 25165), (242, 25240), (251, 25267), (274, 25333), (295, 25369), (310, 25399), (313, 25414), (345, 25498), (355, 25534), (365, 25561), (380, 25600), (390, 25633), (393, 25642), (407, 25699), (428, 25741), (455, 25816), (458, 25828), (474, 25888), (506, 25942), (518, 25972), (522, 25990), (526, 25999), (534, 26032), (538, 26044), (541, 26050), (554, 26089), (578, 26146), (650, 26296), (656, 26314), (670, 26356), (676, 26380), (677, 26383), (680, 26398), (689, 26428), (698, 26458), (713, 26515), (767, 26665), (810, 26785), (813, 26791),

Gene: Susceptit_19 Start: 17773, Stop: 19371, Start Num: 167

Candidate Starts for Susceptit_19:

(Start: 167 @17773 has 53 MA's), (299, 18022), (302, 18031), (309, 18049), (310, 18052), (327, 18106), (354, 18181), (380, 18250), (381, 18259), (385, 18271), (400, 18322), (406, 18349), (410, 18358), (411, 18361), (455, 18391), (456, 18394), (469, 18451), (513, 18517), (542, 18595), (553, 18628), (570, 18652), (584, 18688), (621, 18790), (637, 18847), (668, 18892), (671, 18898), (680, 18937), (750, 19177), (774, 19255),

Gene: SwagPiggett_16 Start: 14813, Stop: 16522, Start Num: 129

Candidate Starts for SwagPiggett_16:

(Start: 129 @14813 has 207 MA's), (205, 14900), (Start: 232 @14945 has 2 MA's), (242, 14969), (258, 15026), (279, 15074), (287, 15080), (294, 15098), (309, 15128), (347, 15233), (364, 15287), (367, 15293), (371, 15302), (379, 15323), (387, 15347), (396, 15383), (398, 15389), (406, 15422), (407, 15425), (411, 15434), (424, 15449), (425, 15455), (432, 15473), (437, 15488), (439, 15494), (446, 15512), (447, 15515), (452, 15530), (457, 15545), (458, 15551), (469, 15599), (474, 15611), (475, 15617), (517, 15677), (520, 15689), (531, 15725), (533, 15737), (565, 15812), (568, 15821), (575, 15839), (578, 15845), (590, 15875), (639, 15980), (645, 15992), (659, 16028), (680, 16106), (713, 16226), (723, 16259), (734, 16289), (737, 16301), (743, 16319), (745, 16325), (746, 16328), (748, 16334), (757, 16349), (758, 16352), (764, 16373), (765, 16376), (790, 16418), (797, 16448), (808, 16490), (809, 16496),

Gene: SweatNTears_20 Start: 15891, Stop: 17588, Start Num: 154

Candidate Starts for SweatNTears_20:

(Start: 125 @15861 has 46 MA's), (Start: 150 @15888 has 7 MA's), (Start: 154 @15891 has 33 MA's), (265, 16101), (331, 16269), (334, 16275), (372, 16383), (384, 16419), (393, 16449), (398, 16464), (432, 16497), (436, 16509), (448, 16545), (463, 16602), (467, 16614), (520, 16734), (527, 16755), (535, 16779), (587, 16929), (591, 16944), (599, 16962), (620, 17019), (677, 17148), (679, 17160), (685, 17178), (688, 17187), (706, 17259), (707, 17262), (709, 17268), (713, 17280), (748, 17385), (751, 17394), (759, 17427), (805, 17553),

Gene: Sweets_18 Start: 16635, Stop: 18398, Start Num: 111

Candidate Starts for Sweets_18:

(Start: 111 @16635 has 26 MA's), (Start: 142 @16644 has 43 MA's), (Start: 148 @16650 has 2 MA's), (155, 16656), (237, 16788), (255, 16839), (265, 16869), (275, 16893), (313, 16995), (328, 17034), (330, 17040), (338, 17055), (351, 17100), (393, 17220), (418, 17277), (439, 17316), (456, 17364), (463, 17391), (467, 17403), (491, 17484), (517, 17529), (587, 17727), (598, 17757), (604, 17775), (613, 17802), (638, 17886), (653, 17904), (662, 17919), (676, 17967), (679, 17982), (698, 18045), (713, 18102), (725, 18141), (742, 18183), (761, 18234), (800, 18330), (817, 18390),

Gene: Syleon_28 Start: 21873, Stop: 23624, Start Num: 122

Candidate Starts for Syleon_28:

(Start: 109 @21858 has 26 MA's), (Start: 122 @21873 has 7 MA's), (141, 21894), (144, 21897), (188, 21954), (204, 21975), (Start: 207 @21981 has 1 MA's), (Start: 232 @22008 has 2 MA's), (241, 22026), (245, 22035), (246, 22038), (262, 22098), (295, 22173), (302, 22194), (312, 22233), (362, 22377), (385, 22437), (387, 22443), (391, 22458), (408, 22497), (451, 22566), (454, 22575), (458, 22590), (460, 22599), (468, 22623), (472, 22644), (492, 22698), (511, 22716), (535, 22797), (539, 22809), (547, 22833), (587, 22947), (624, 23055), (632, 23079), (649, 23106), (672, 23151), (691, 23226), (693, 23232), (709, 23292), (725, 23343), (739, 23379), (757, 23430), (759, 23436), (766, 23460), (780, 23499), (788, 23514), (794, 23541), (803, 23571), (806, 23583), (815, 23613),

Gene: Syra333_22 Start: 16321, Stop: 18087, Start Num: 120

Candidate Starts for Syra333_22:

(Start: 111 @16312 has 26 MA's), (Start: 120 @16321 has 139 MA's), (Start: 148 @16351 has 2 MA's), (Start: 168 @16378 has 11 MA's), (Start: 232 @16477 has 2 MA's), (237, 16492), (245, 16510), (255, 16543), (265, 16573), (287, 16618), (315, 16708), (330, 16744), (358, 16822), (360, 16831), (397, 16936), (398, 16939), (437, 17005), (439, 17011), (456, 17059), (459, 17074), (521, 17242), (540, 17302), (564, 17359), (583, 17404), (587, 17416), (604, 17464), (635, 17563), (666, 17623), (677, 17659), (707, 17773), (723, 17824), (725, 17830), (761, 17923), (809, 18058), (810, 18061), (817, 18079),

Gene: TBond007_22 Start: 17357, Stop: 19120, Start Num: 120

Candidate Starts for TBond007_22:

(Start: 111 @17348 has 26 MA's), (Start: 120 @17357 has 139 MA's), (208, 17459), (237, 17516), (255, 17567), (265, 17597), (275, 17621), (358, 17852), (360, 17861), (365, 17873), (397, 17966), (398, 17969), (439, 18041), (443, 18050), (454, 18083), (456, 18089), (467, 18128), (475, 18164), (517, 18254), (534, 18317), (569, 18404), (604, 18497), (628, 18572), (666, 18653), (679, 18701), (687, 18725), (695, 18752), (709, 18809), (723, 18854), (761, 18956), (770, 18983), (797, 19043), (800, 19052), (805, 19073), (809, 19091), (811, 19097), (817, 19112),

Gene: TBrady12_26 Start: 19820, Stop: 21415, Start Num: 203

Candidate Starts for TBrady12_26:

(Start: 137 @19736 has 79 MA's), (Start: 203 @19820 has 47 MA's), (Start: 244 @19898 has 1 MA's), (274, 19985), (287, 20000), (309, 20048), (321, 20087), (353, 20174), (365, 20207), (379, 20243), (388, 20273), (390, 20279), (409, 20348), (435, 20378), (438, 20390), (439, 20393), (458, 20450), (518, 20582), (519, 20588), (538, 20654), (541, 20660), (549, 20684), (568, 20732), (578, 20756), (582, 20765), (606, 20840), (643, 20891), (650, 20906), (698, 21068), (704, 21095), (713, 21125),

(747, 21230), (786, 21308), (797, 21344), (800, 21353), (808, 21386), (813, 21401),

Gene: TChen_17 Start: 15346, Stop: 17073, Start Num: 114

Candidate Starts for TChen_17:

(Start: 114 @15346 has 15 MA's), (Start: 120 @15352 has 139 MA's), (Start: 125 @15358 has 46 MA's), (Start: 137 @15370 has 79 MA's), (143, 15376), (Start: 232 @15496 has 2 MA's), (242, 15520), (249, 15544), (279, 15625), (287, 15631), (294, 15649), (309, 15679), (371, 15853), (379, 15874), (380, 15877), (391, 15913), (401, 15952), (425, 16006), (432, 16024), (433, 16027), (437, 16039), (439, 16045), (452, 16081), (458, 16102), (463, 16120), (469, 16150), (474, 16162), (475, 16168), (517, 16228), (531, 16276), (546, 16321), (565, 16363), (568, 16372), (578, 16396), (590, 16426), (602, 16471), (639, 16531), (643, 16540), (645, 16543), (659, 16579), (681, 16660), (717, 16789), (723, 16810), (734, 16840), (743, 16870), (746, 16879), (748, 16885), (757, 16900), (758, 16903), (813, 17056),

Gene: TClif_22 Start: 16354, Stop: 18120, Start Num: 120

Candidate Starts for TClif_22:

(Start: 95 @16315 has 1 MA's), (Start: 111 @16345 has 26 MA's), (Start: 120 @16354 has 139 MA's), (Start: 148 @16384 has 2 MA's), (237, 16525), (265, 16606), (280, 16639), (287, 16651), (333, 16783), (358, 16855), (360, 16864), (366, 16879), (397, 16969), (398, 16972), (437, 17038), (439, 17044), (454, 17086), (456, 17092), (463, 17119), (517, 17257), (551, 17365), (583, 17437), (604, 17497), (635, 17596), (640, 17611), (677, 17692), (688, 17731), (707, 17806), (723, 17857), (817, 18112),

Gene: TDanisky_16 Start: 14836, Stop: 16545, Start Num: 129

Candidate Starts for TDanisky_16:

(Start: 129 @14836 has 207 MA's), (205, 14923), (Start: 232 @14968 has 2 MA's), (242, 14992), (258, 15049), (279, 15097), (287, 15103), (294, 15121), (309, 15151), (347, 15256), (364, 15310), (367, 15316), (371, 15325), (379, 15346), (387, 15370), (396, 15406), (398, 15412), (406, 15445), (407, 15448), (411, 15457), (424, 15472), (425, 15478), (432, 15496), (437, 15511), (439, 15517), (446, 15535), (447, 15538), (452, 15553), (457, 15568), (458, 15574), (469, 15622), (474, 15634), (475, 15640), (517, 15700), (520, 15712), (531, 15748), (533, 15760), (565, 15835), (568, 15844), (575, 15862), (578, 15868), (590, 15898), (639, 16003), (645, 16015), (659, 16051), (680, 16129), (713, 16249), (723, 16282), (734, 16312), (737, 16324), (743, 16342), (745, 16348), (746, 16351), (748, 16357), (757, 16372), (758, 16375), (764, 16396), (765, 16399), (790, 16441), (797, 16471), (808, 16513), (809, 16519),

Gene: TM4_19 Start: 15094, Stop: 16851, Start Num: 117

Candidate Starts for TM4_19:

(Start: 95 @15058 has 1 MA's), (Start: 111 @15088 has 26 MA's), (Start: 117 @15094 has 41 MA's), (Start: 142 @15109 has 43 MA's), (177, 15151), (210, 15199), (Start: 232 @15238 has 2 MA's), (237, 15253), (255, 15304), (256, 15307), (265, 15334), (280, 15367), (287, 15379), (315, 15469), (317, 15475), (358, 15583), (393, 15685), (397, 15697), (398, 15700), (416, 15736), (439, 15772), (446, 15790), (454, 15814), (456, 15820), (467, 15859), (472, 15883), (475, 15895), (517, 15985), (519, 15994), (534, 16048), (545, 16078), (586, 16189), (604, 16240), (633, 16330), (635, 16339), (637, 16348), (638, 16351), (666, 16384), (678, 16423), (685, 16450), (688, 16459), (707, 16534), (723, 16585), (725, 16591), (757, 16672), (761, 16687), (789, 16741), (809, 16822), (817, 16843),

Gene: TPA4_19 Start: 17726, Stop: 19462, Start Num: 122

Candidate Starts for TPA4_19:

(101, 17699), (Start: 122 @17726 has 7 MA's), (195, 17798), (230, 17852), (Start: 232 @17858 has 2 MA's), (245, 17891), (338, 18143), (359, 18212), (368, 18230), (385, 18278), (388, 18290), (391, 18299), (405, 18329), (428, 18359), (439, 18386), (446, 18404), (453, 18425), (459, 18449), (496, 18560), (516, 18596), (524, 18626), (574, 18761), (575, 18764), (587, 18794), (604, 18842), (612, 18866), (670, 19007), (697, 19106), (703, 19133), (704, 19136), (719, 19187), (723, 19199), (733,

19226), (747, 19262), (764, 19307), (782, 19343), (801, 19394), (816, 19451),

Gene: Tachez_23 Start: 17117, Stop: 18883, Start Num: 120

Candidate Starts for Tachez_23:

(Start: 120 @17117 has 139 MA's), (Start: 148 @17147 has 2 MA's), (245, 17306), (255, 17339), (265, 17369), (280, 17402), (287, 17414), (315, 17504), (333, 17546), (358, 17618), (360, 17627), (376, 17666), (390, 17711), (397, 17732), (398, 17735), (433, 17789), (439, 17807), (454, 17849), (456, 17855), (463, 17882), (517, 18020), (521, 18038), (533, 18080), (540, 18098), (551, 18128), (564, 18155), (604, 18260), (666, 18419), (677, 18455), (685, 18485), (688, 18494), (707, 18569), (723, 18620), (761, 18719), (800, 18815), (809, 18854), (810, 18857), (817, 18875),

Gene: Taheera_18 Start: 16666, Stop: 18420, Start Num: 142

Candidate Starts for Taheera_18:

(53, 16453), (Start: 111 @16657 has 26 MA's), (Start: 142 @16666 has 43 MA's), (Start: 148 @16672 has 2 MA's), (155, 16678), (210, 16756), (237, 16810), (255, 16861), (265, 16891), (275, 16915), (313, 17017), (328, 17056), (330, 17062), (338, 17077), (393, 17242), (418, 17299), (439, 17338), (454, 17380), (456, 17386), (467, 17425), (504, 17524), (517, 17551), (530, 17596), (598, 17779), (604, 17797), (613, 17824), (638, 17908), (653, 17926), (662, 17941), (679, 18004), (698, 18067), (703, 18091), (713, 18124), (725, 18163), (742, 18205), (800, 18352), (817, 18412),

Gene: TaiwanKao_24 Start: 17128, Stop: 18894, Start Num: 120

Candidate Starts for TaiwanKao_24:

(Start: 120 @17128 has 139 MA's), (Start: 148 @17158 has 2 MA's), (245, 17317), (255, 17350), (265, 17380), (280, 17413), (287, 17425), (315, 17515), (333, 17557), (354, 17620), (358, 17629), (360, 17638), (376, 17677), (390, 17722), (397, 17743), (398, 17746), (439, 17818), (454, 17860), (456, 17866), (463, 17893), (517, 18031), (521, 18049), (533, 18091), (540, 18109), (551, 18139), (564, 18166), (604, 18271), (666, 18430), (677, 18466), (685, 18496), (688, 18505), (707, 18580), (723, 18631), (800, 18826), (809, 18865), (810, 18868), (817, 18886),

Gene: Taj_16 Start: 14839, Stop: 16548, Start Num: 129

Candidate Starts for Taj_16:

(Start: 129 @14839 has 207 MA's), (205, 14926), (Start: 232 @14971 has 2 MA's), (242, 14995), (279, 15100), (287, 15106), (294, 15124), (309, 15154), (347, 15259), (367, 15319), (375, 15337), (376, 15340), (379, 15349), (387, 15373), (432, 15499), (437, 15514), (439, 15520), (452, 15556), (453, 15559), (457, 15571), (458, 15577), (469, 15625), (474, 15637), (475, 15643), (517, 15703), (520, 15715), (531, 15751), (533, 15763), (565, 15838), (568, 15847), (575, 15865), (578, 15871), (590, 15901), (639, 16006), (643, 16015), (645, 16018), (659, 16054), (680, 16132), (706, 16231), (713, 16252), (723, 16285), (734, 16315), (743, 16345), (746, 16354), (748, 16360), (757, 16375), (758, 16378), (765, 16402), (782, 16432), (790, 16444), (797, 16474), (808, 16516),

Gene: Tapioca_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Tapioca_18:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249, 15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364, 15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406, 15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477, 15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589, 16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743, 16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: Taquito_22 Start: 18239, Stop: 20029, Start Num: 117

Candidate Starts for Taquito_22:

(Start: 95 @18203 has 1 MA's), (Start: 111 @18233 has 26 MA's), (Start: 117 @18239 has 41 MA's), (Start: 120 @18242 has 139 MA's), (177, 18299), (210, 18347), (Start: 232 @18386 has 2 MA's), (237, 18401), (245, 18419), (255, 18452), (265, 18482), (287, 18527), (295, 18545), (315, 18617), (317, 18623), (330, 18653), (353, 18719), (358, 18731), (407, 18866), (437, 18914), (439, 18920), (446, 18938), (456, 18968), (467, 19007), (517, 19133), (533, 19193), (534, 19196), (541, 19214), (546, 19229), (604, 19397), (622, 19451), (635, 19496), (655, 19541), (666, 19565), (676, 19598), (704, 19703), (707, 19715), (723, 19766), (725, 19772), (764, 19874), (809, 20000), (817, 20021),

Gene: Tardus_36 Start: 30115, Stop: 31737, Start Num: 166

Candidate Starts for Tardus_36:

(Start: 166 @30115 has 18 MA's), (185, 30136), (194, 30148), (230, 30199), (253, 30262), (280, 30334), (315, 30421), (338, 30472), (347, 30502), (376, 30583), (438, 30703), (440, 30709), (451, 30739), (454, 30748), (463, 30781), (464, 30784), (468, 30796), (479, 30844), (517, 30892), (519, 30901), (550, 31000), (566, 31039), (572, 31051), (613, 31168), (625, 31207), (648, 31246), (676, 31303), (687, 31342), (689, 31351), (702, 31408), (705, 31420), (723, 31477), (725, 31483), (733, 31504), (746, 31537), (761, 31582), (808, 31711), (810, 31720),

Gene: Tarkin_26 Start: 20735, Stop: 22414, Start Num: 137

Candidate Starts for Tarkin_26:

(Start: 137 @20735 has 79 MA's), (Start: 203 @20819 has 47 MA's), (Start: 244 @20897 has 1 MA's), (274, 20984), (287, 20999), (309, 21047), (321, 21086), (353, 21173), (365, 21206), (379, 21242), (388, 21272), (390, 21278), (409, 21347), (435, 21377), (438, 21389), (439, 21392), (458, 21449), (518, 21581), (519, 21587), (538, 21653), (541, 21659), (549, 21683), (568, 21731), (578, 21755), (582, 21764), (606, 21839), (643, 21890), (650, 21905), (698, 22067), (704, 22094), (713, 22124), (747, 22229), (786, 22307), (797, 22343), (800, 22352), (808, 22385), (813, 22400),

Gene: Tarzan_18 Start: 14963, Stop: 16579, Start Num: 160

Candidate Starts for Tarzan_18:

(Start: 160 @14963 has 11 MA's), (230, 15062), (238, 15086), (280, 15197), (284, 15200), (292, 15218), (295, 15227), (319, 15293), (326, 15308), (330, 15317), (333, 15323), (358, 15395), (363, 15413), (384, 15467), (387, 15476), (422, 15530), (439, 15566), (440, 15569), (472, 15677), (514, 15749), (517, 15755), (519, 15764), (524, 15782), (553, 15872), (602, 15986), (605, 16004), (612, 16016), (638, 16082), (670, 16130), (673, 16142), (676, 16154), (681, 16175), (685, 16187), (689, 16202), (698, 16232), (706, 16268), (773, 16457), (801, 16520), (806, 16541), (813, 16565),

Gene: Tayonia_19 Start: 17773, Stop: 19371, Start Num: 167

Candidate Starts for Tayonia_19:

(Start: 167 @17773 has 53 MA's), (299, 18022), (302, 18031), (309, 18049), (310, 18052), (327, 18106), (354, 18181), (380, 18250), (381, 18259), (385, 18271), (400, 18322), (406, 18349), (410, 18358), (411, 18361), (455, 18391), (456, 18394), (469, 18451), (513, 18517), (542, 18595), (553, 18628), (570, 18652), (584, 18688), (621, 18790), (637, 18847), (668, 18892), (671, 18898), (680, 18937), (750, 19177), (774, 19255),

Gene: Tchotchke_17 Start: 14738, Stop: 16447, Start Num: 129

Candidate Starts for Tchotchke_17:

(Start: 129 @14738 has 207 MA's), (205, 14825), (Start: 232 @14870 has 2 MA's), (242, 14894), (258, 14951), (279, 14999), (287, 15005), (294, 15023), (309, 15053), (347, 15158), (364, 15212), (367, 15218), (371, 15227), (379, 15248), (387, 15272), (396, 15308), (398, 15314), (406, 15347), (407, 15350), (411, 15359), (424, 15374), (425, 15380), (432, 15398), (437, 15413), (439, 15419), (446, 15437), (447, 15440), (452, 15455), (457, 15470), (458, 15476), (469, 15524), (474, 15536), (475, 15542), (517, 15602), (520, 15614), (531, 15650), (533, 15662), (565, 15737), (568, 15746), (575, 15764), (578, 15770), (590, 15800), (639, 15905), (645, 15917), (659, 15953), (680, 16031), (713, 16151), (723, 16184), (734, 16214), (737, 16226), (743, 16244), (745, 16250), (746, 16253), (748,

16259), (757, 16274), (758, 16277), (764, 16298), (765, 16301), (790, 16343), (797, 16373), (808, 16415), (809, 16421),

Gene: TeardropMSU_23 Start: 19653, Stop: 21332, Start Num: 137

Candidate Starts for TeardropMSU_23:

(Start: 137 @19653 has 79 MA's), (Start: 203 @19737 has 47 MA's), (Start: 244 @19815 has 1 MA's), (274, 19902), (287, 19917), (309, 19965), (321, 20004), (353, 20091), (365, 20124), (379, 20160), (388, 20190), (390, 20196), (409, 20265), (435, 20295), (438, 20307), (439, 20310), (458, 20367), (518, 20499), (519, 20505), (538, 20571), (541, 20577), (549, 20601), (568, 20649), (578, 20673), (582, 20682), (606, 20757), (643, 20808), (650, 20823), (698, 20985), (704, 21012), (713, 21042), (747, 21147), (786, 21225), (797, 21261), (800, 21270), (808, 21303), (813, 21318),

Gene: Teaspoon_25 Start: 19699, Stop: 21378, Start Num: 137

Candidate Starts for Teaspoon_25:

(Start: 137 @19699 has 79 MA's), (Start: 203 @19783 has 47 MA's), (Start: 244 @19861 has 1 MA's), (274, 19948), (287, 19963), (309, 20011), (321, 20050), (353, 20137), (365, 20170), (379, 20206), (388, 20236), (390, 20242), (409, 20311), (435, 20341), (438, 20353), (439, 20356), (458, 20413), (518, 20545), (519, 20551), (538, 20617), (541, 20623), (549, 20647), (568, 20695), (578, 20719), (582, 20728), (606, 20803), (643, 20854), (650, 20869), (698, 21031), (704, 21058), (713, 21088), (747, 21193), (786, 21271), (797, 21307), (800, 21316), (808, 21349), (813, 21364),

Gene: Techage_19 Start: 16376, Stop: 18112, Start Num: 125

Candidate Starts for Techage_19:

(Start: 106 @16352 has 2 MA's), (Start: 125 @16376 has 46 MA's), (175, 16436), (189, 16457), (190, 16460), (253, 16580), (265, 16619), (280, 16652), (295, 16676), (342, 16796), (353, 16835), (355, 16841), (385, 16925), (387, 16931), (390, 16943), (396, 16967), (403, 16994), (409, 17012), (429, 17051), (432, 17057), (440, 17081), (458, 17135), (461, 17147), (464, 17156), (479, 17216), (522, 17294), (533, 17333), (545, 17366), (568, 17432), (574, 17447), (578, 17456), (587, 17480), (597, 17510), (602, 17522), (656, 17624), (662, 17636), (663, 17639), (664, 17645), (665, 17654), (696, 17762), (719, 17846), (752, 17945), (800, 18053), (813, 18101),

Gene: Teejan_19 Start: 16697, Stop: 18463, Start Num: 120

Candidate Starts for Teejan_19:

(Start: 120 @16697 has 139 MA's), (Start: 125 @16703 has 46 MA's), (Start: 148 @16727 has 2 MA's), (Start: 232 @16853 has 2 MA's), (237, 16868), (245, 16886), (265, 16949), (315, 17084), (317, 17090), (358, 17198), (360, 17207), (397, 17312), (437, 17381), (439, 17387), (452, 17423), (456, 17435), (472, 17498), (517, 17600), (521, 17618), (533, 17660), (534, 17663), (578, 17768), (604, 17840), (637, 17948), (640, 17954), (666, 17999), (681, 18053), (688, 18074), (707, 18149), (723, 18200), (761, 18299), (766, 18314), (786, 18350), (800, 18395), (809, 18434), (810, 18437), (817, 18455),

Gene: TelAviv_53 Start: 33442, Stop: 35178, Start Num: 109

Candidate Starts for TelAviv_53:

(Start: 104 @33433 has 2 MA's), (Start: 109 @33442 has 26 MA's), (Start: 184 @33532 has 1 MA's), (248, 33649), (258, 33685), (266, 33706), (279, 33733), (287, 33739), (311, 33793), (329, 33844), (379, 33982), (381, 33988), (395, 34039), (396, 34042), (401, 34060), (432, 34111), (439, 34132), (440, 34135), (457, 34183), (458, 34189), (469, 34237), (472, 34243), (474, 34249), (507, 34309), (517, 34333), (518, 34336), (531, 34381), (534, 34396), (537, 34405), (541, 34414), (557, 34459), (568, 34477), (582, 34510), (645, 34648), (654, 34669), (674, 34735), (681, 34765), (696, 34819), (706, 34861), (713, 34882), (719, 34903), (723, 34915), (730, 34936), (748, 34990), (786, 35068), (797, 35104), (803, 35125), (809, 35152),

Gene: Terminus_24 Start: 19833, Stop: 21512, Start Num: 137

Candidate Starts for Terminus_24:

(Start: 137 @19833 has 79 MA's), (Start: 203 @19917 has 47 MA's), (Start: 244 @19995 has 1 MA's), (274, 20082), (287, 20097), (309, 20145), (321, 20184), (353, 20271), (365, 20304), (379, 20340), (388, 20370), (390, 20376), (409, 20445), (435, 20475), (438, 20487), (439, 20490), (458, 20547), (518, 20679), (519, 20685), (538, 20751), (541, 20757), (549, 20781), (568, 20829), (578, 20853), (582, 20862), (606, 20937), (643, 20988), (650, 21003), (698, 21165), (704, 21192), (713, 21222), (747, 21327), (786, 21405), (797, 21441), (800, 21450), (808, 21483), (813, 21498),

Gene: Terror_18 Start: 16666, Stop: 18420, Start Num: 142

Candidate Starts for Terror_18:

(53, 16453), (Start: 111 @16657 has 26 MA's), (Start: 142 @16666 has 43 MA's), (Start: 148 @16672 has 2 MA's), (155, 16678), (210, 16756), (237, 16810), (255, 16861), (265, 16891), (275, 16915), (313, 17017), (328, 17056), (330, 17062), (338, 17077), (393, 17242), (418, 17299), (439, 17338), (454, 17380), (456, 17386), (467, 17425), (504, 17524), (517, 17551), (530, 17596), (598, 17779), (604, 17797), (613, 17824), (638, 17908), (653, 17926), (662, 17941), (679, 18004), (698, 18067), (703, 18091), (713, 18124), (725, 18163), (742, 18205), (800, 18352), (817, 18412),

Gene: Tesla_49 Start: 27023, Stop: 28735, Start Num: 131

Candidate Starts for Tesla_49:

(90, 26960), (Start: 131 @27023 has 77 MA's), (196, 27104), (237, 27161), (262, 27242), (266, 27248), (291, 27305), (295, 27317), (299, 27329), (313, 27368), (317, 27383), (346, 27452), (362, 27506), (366, 27515), (443, 27671), (458, 27719), (460, 27728), (463, 27737), (473, 27776), (477, 27791), (517, 27854), (520, 27866), (556, 27983), (557, 27986), (575, 28037), (586, 28064), (587, 28067), (593, 28088), (607, 28130), (665, 28250), (672, 28268), (709, 28412), (723, 28457), (727, 28475), (756, 28559), (759, 28568), (764, 28586), (771, 28607), (794, 28652), (796, 28658), (800, 28670), (803, 28682), (808, 28703), (813, 28718), (815, 28724),

Gene: ThankyouJordi_18 Start: 17806, Stop: 19404, Start Num: 167

Candidate Starts for ThankyouJordi_18:

(49, 17509), (57, 17584), (58, 17605), (83, 17689), (Start: 167 @17806 has 53 MA's), (302, 18064), (309, 18082), (310, 18085), (327, 18139), (380, 18283), (385, 18304), (400, 18355), (410, 18391), (411, 18394), (456, 18427), (469, 18484), (553, 18661), (570, 18685), (584, 18721), (621, 18823), (637, 18880), (680, 18970), (750, 19210), (774, 19288),

Gene: Thespis_19 Start: 16385, Stop: 18121, Start Num: 125

Candidate Starts for Thespis_19:

(Start: 106 @16361 has 2 MA's), (Start: 125 @16385 has 46 MA's), (175, 16445), (189, 16466), (190, 16469), (253, 16589), (265, 16628), (280, 16661), (295, 16685), (342, 16805), (353, 16844), (355, 16850), (385, 16934), (387, 16940), (390, 16952), (396, 16976), (403, 17003), (409, 17021), (429, 17060), (432, 17066), (440, 17090), (458, 17144), (461, 17156), (464, 17165), (479, 17225), (522, 17303), (533, 17342), (545, 17375), (568, 17441), (574, 17456), (578, 17465), (587, 17489), (597, 17519), (602, 17531), (656, 17633), (662, 17645), (663, 17648), (664, 17654), (665, 17663), (696, 17771), (719, 17855), (752, 17954), (800, 18062), (813, 18110),

Gene: Thibault_33 Start: 27746, Stop: 29479, Start Num: 131

Candidate Starts for Thibault_33:

(Start: 131 @27746 has 77 MA's), (Start: 203 @27836 has 47 MA's), (229, 27884), (242, 27914), (251, 27941), (295, 28043), (310, 28073), (345, 28172), (355, 28208), (365, 28235), (380, 28274), (390, 28307), (393, 28316), (439, 28445), (440, 28448), (446, 28463), (458, 28502), (469, 28550), (474, 28562), (475, 28568), (511, 28625), (518, 28646), (522, 28664), (536, 28712), (575, 28814), (597, 28874), (602, 28886), (650, 28970), (655, 28982), (656, 28988), (662, 29000), (663, 29003), (673, 29042), (678, 29060), (688, 29096), (689, 29102), (713, 29189), (742, 29279), (761, 29321), (767, 29339), (783, 29369), (798, 29411), (813, 29465),

Gene: Thimann_20 Start: 17295, Stop: 18875, Start Num: 167

Candidate Starts for Thimann_20:

(83, 17178), (Start: 167 @17295 has 53 MA's), (302, 17553), (310, 17574), (327, 17628), (344, 17667), (361, 17724), (370, 17745), (456, 17916), (460, 17934), (468, 17958), (472, 17979), (513, 18021), (543, 18102), (584, 18192), (621, 18294), (622, 18297), (637, 18351), (680, 18441), (761, 18720), (764, 18729), (774, 18759),

Gene: Thimble_24 Start: 18783, Stop: 20378, Start Num: 203

Candidate Starts for Thimble_24:

(Start: 137 @18699 has 79 MA's), (Start: 203 @18783 has 47 MA's), (Start: 244 @18861 has 1 MA's), (274, 18948), (287, 18963), (309, 19011), (321, 19050), (353, 19137), (365, 19170), (379, 19206), (388, 19236), (390, 19242), (409, 19311), (435, 19341), (438, 19353), (439, 19356), (458, 19413), (518, 19545), (519, 19551), (538, 19617), (541, 19623), (549, 19647), (568, 19695), (578, 19719), (582, 19728), (606, 19803), (643, 19854), (650, 19869), (698, 20031), (704, 20058), (713, 20088), (747, 20193), (786, 20271), (797, 20307), (800, 20316), (808, 20349), (813, 20364),

Gene: ThreeRngTarjay_35 Start: 27471, Stop: 29469, Start Num: 131

Candidate Starts for ThreeRngTarjay_35:

(Start: 131 @27471 has 77 MA's), (Start: 203 @27561 has 47 MA's), (229, 27609), (242, 27639), (251, 27666), (295, 27768), (310, 27798), (345, 27897), (355, 27933), (357, 27939), (365, 27960), (390, 28032), (393, 28041), (398, 28062), (425, 28131), (439, 28170), (440, 28173), (446, 28188), (458, 28227), (469, 28275), (474, 28287), (475, 28293), (506, 28341), (511, 28350), (518, 28371), (522, 28389), (536, 28437), (575, 28539), (602, 28611), (615, 28656), (616, 28668), (617, 28803), (618, 28809), (619, 28833), (630, 28905), (637, 28932), (714, 29181),

Gene: Thresher_25 Start: 20500, Stop: 22179, Start Num: 137

Candidate Starts for Thresher_25:

(Start: 137 @20500 has 79 MA's), (Start: 203 @20584 has 47 MA's), (Start: 244 @20662 has 1 MA's), (274, 20749), (287, 20764), (309, 20812), (321, 20851), (353, 20938), (365, 20971), (379, 21007), (388, 21037), (390, 21043), (409, 21112), (435, 21142), (438, 21154), (439, 21157), (458, 21214), (518, 21346), (519, 21352), (538, 21418), (541, 21424), (549, 21448), (568, 21496), (578, 21520), (582, 21529), (606, 21604), (643, 21655), (650, 21670), (698, 21832), (704, 21859), (713, 21889), (747, 21994), (786, 22072), (797, 22108), (800, 22117), (808, 22150), (813, 22165),

Gene: ThulaThula_18 Start: 16085, Stop: 17821, Start Num: 125

Candidate Starts for ThulaThula_18:

(Start: 125 @16085 has 46 MA's), (189, 16166), (190, 16169), (226, 16220), (228, 16223), (Start: 232 @16232 has 2 MA's), (253, 16289), (265, 16328), (274, 16349), (280, 16361), (294, 16382), (295, 16385), (297, 16391), (342, 16505), (353, 16544), (355, 16550), (394, 16664), (406, 16715), (409, 16721), (429, 16760), (432, 16766), (440, 16790), (458, 16844), (461, 16856), (464, 16865), (479, 16925), (517, 16982), (522, 17003), (533, 17042), (545, 17075), (568, 17141), (578, 17165), (587, 17189), (597, 17219), (602, 17231), (656, 17333), (662, 17345), (663, 17348), (664, 17354), (665, 17363), (696, 17471), (719, 17555), (742, 17624), (752, 17654), (808, 17795), (813, 17810),

Gene: Thyatira_21 Start: 17495, Stop: 19267, Start Num: 123

Candidate Starts for Thyatira_21:

(Start: 123 @17495 has 15 MA's), (127, 17501), (Start: 151 @17525 has 2 MA's), (177, 17558), (210, 17606), (237, 17660), (255, 17711), (280, 17774), (317, 17882), (358, 17990), (397, 18104), (398, 18107), (417, 18146), (433, 18161), (437, 18173), (439, 18179), (454, 18221), (456, 18227), (467, 18266), (472, 18290), (517, 18392), (534, 18455), (550, 18500), (604, 18635), (635, 18734), (670, 18812), (676, 18836), (681, 18857), (685, 18869), (687, 18875), (707, 18953), (709, 18959), (764, 19112), (804, 19217), (805, 19220), (809, 19238),

Gene: Tiamoceli_33 Start: 28384, Stop: 30003, Start Num: 168

Candidate Starts for Tiamoceli_33:

(Start: 168 @28384 has 11 MA's), (185, 28405), (230, 28468), (274, 28591), (280, 28603), (308, 28660), (338, 28738), (380, 28861), (440, 28975), (451, 29005), (463, 29047), (479, 29110), (517, 29158), (519, 29167), (533, 29218), (550, 29266), (612, 29431), (622, 29461), (674, 29560), (676, 29569), (677, 29572), (689, 29617), (702, 29674), (704, 29680), (705, 29686), (720, 29734), (723, 29743), (725, 29749), (726, 29752), (746, 29803), (761, 29848), (791, 29917), (805, 29965), (808, 29977),

Gene: Tierra_22 Start: 17047, Stop: 18813, Start Num: 120

Candidate Starts for Tierra_22:

(Start: 111 @17038 has 26 MA's), (Start: 120 @17047 has 139 MA's), (Start: 148 @17077 has 2 MA's), (Start: 232 @17203 has 2 MA's), (237, 17218), (245, 17236), (255, 17269), (265, 17299), (287, 17344), (315, 17434), (330, 17470), (358, 17548), (360, 17557), (390, 17641), (393, 17650), (397, 17662), (398, 17665), (417, 17704), (433, 17719), (439, 17737), (454, 17779), (456, 17785), (521, 17968), (540, 18028), (575, 18112), (583, 18130), (604, 18190), (628, 18265), (635, 18289), (666, 18349), (676, 18382), (677, 18385), (681, 18403), (688, 18424), (707, 18499), (723, 18550), (725, 18556), (733, 18577), (761, 18649), (786, 18700), (809, 18784), (810, 18787), (817, 18805),

Gene: TimTam_19 Start: 17764, Stop: 19362, Start Num: 167

Candidate Starts for TimTam_19:

(Start: 167 @17764 has 53 MA's), (302, 18022), (309, 18040), (310, 18043), (327, 18097), (354, 18172), (380, 18241), (381, 18250), (385, 18262), (400, 18313), (406, 18340), (410, 18349), (411, 18352), (456, 18385), (469, 18442), (513, 18508), (553, 18619), (570, 18643), (584, 18679), (621, 18781), (637, 18838), (680, 18928), (750, 19168), (774, 19246),

Gene: TinaBug_18 Start: 16635, Stop: 18398, Start Num: 111

Candidate Starts for TinaBug_18:

(Start: 111 @16635 has 26 MA's), (Start: 142 @16644 has 43 MA's), (Start: 148 @16650 has 2 MA's), (155, 16656), (237, 16788), (255, 16839), (265, 16869), (275, 16893), (313, 16995), (328, 17034), (330, 17040), (338, 17055), (351, 17100), (393, 17220), (418, 17277), (439, 17316), (456, 17364), (463, 17391), (467, 17403), (491, 17484), (517, 17529), (587, 17727), (598, 17757), (604, 17775), (613, 17802), (638, 17886), (653, 17904), (662, 17919), (676, 17967), (679, 17982), (698, 18045), (713, 18102), (725, 18141), (742, 18183), (761, 18234), (800, 18330), (817, 18390),

Gene: TingHuaYa_23 Start: 16454, Stop: 18220, Start Num: 120

Candidate Starts for TingHuaYa_23:

(Start: 120 @16454 has 139 MA's), (Start: 148 @16484 has 2 MA's), (245, 16643), (255, 16676), (256, 16679), (265, 16706), (287, 16751), (295, 16769), (315, 16841), (358, 16955), (360, 16964), (376, 17003), (391, 17051), (397, 17069), (398, 17072), (433, 17126), (439, 17144), (454, 17186), (456, 17192), (463, 17219), (472, 17255), (517, 17357), (521, 17375), (540, 17435), (551, 17465), (564, 17492), (604, 17597), (677, 17792), (685, 17822), (707, 17906), (723, 17957), (761, 18056), (764, 18065), (786, 18107), (800, 18152), (809, 18191), (810, 18194), (817, 18212),

Gene: TiniBug_23 Start: 17099, Stop: 18865, Start Num: 120

Candidate Starts for TiniBug_23:

(Start: 120 @17099 has 139 MA's), (Start: 148 @17129 has 2 MA's), (255, 17321), (265, 17351), (280, 17384), (287, 17396), (315, 17486), (333, 17528), (358, 17600), (360, 17609), (376, 17648), (390, 17693), (398, 17717), (439, 17789), (454, 17831), (456, 17837), (463, 17864), (517, 18002), (521, 18020), (533, 18062), (551, 18110), (564, 18137), (604, 18242), (633, 18332), (677, 18437), (685, 18467), (688, 18476), (707, 18551), (723, 18602), (800, 18797), (809, 18836), (810, 18839), (817, 18857),

Gene: TinyDot_19 Start: 15300, Stop: 16880, Start Num: 167

Candidate Starts for TinyDot_19:

(Start: 167 @15300 has 53 MA's), (251, 15420), (310, 15579), (322, 15621), (340, 15663), (370, 15753), (383, 15795), (385, 15801), (455, 15921), (474, 15993), (521, 16056), (556, 16146), (609, 16263), (680, 16446), (709, 16560), (718, 16590), (732, 16632), (764, 16734), (769, 16749),

Gene: Tiri_23 Start: 17160, Stop: 18926, Start Num: 120

Candidate Starts for Tiri_23:

(Start: 120 @17160 has 139 MA's), (Start: 148 @17190 has 2 MA's), (245, 17349), (255, 17382), (265, 17412), (280, 17445), (287, 17457), (315, 17547), (333, 17589), (358, 17661), (360, 17670), (376, 17709), (390, 17754), (397, 17775), (398, 17778), (433, 17832), (439, 17850), (454, 17892), (456, 17898), (463, 17925), (517, 18063), (521, 18081), (533, 18123), (540, 18141), (551, 18171), (564, 18198), (604, 18303), (666, 18462), (677, 18498), (685, 18528), (688, 18537), (707, 18612), (723, 18663), (800, 18858), (809, 18897), (810, 18900), (817, 18918),

Gene: Toast_19 Start: 16740, Stop: 18389, Start Num: 171

Candidate Starts for Toast_19:

(4, 15693), (5, 15738), (6, 15762), (7, 15768), (9, 15876), (10, 15924), (13, 15996), (18, 16071), (28, 16209), (32, 16239), (33, 16245), (43, 16377), (50, 16434), (52, 16443), (79, 16602), (143, 16704), (Start: 171 @16740 has 46 MA's), (237, 16845), (262, 16923), (294, 16983), (298, 16995), (299, 16998), (375, 17196), (380, 17211), (427, 17295), (433, 17307), (436, 17316), (437, 17319), (444, 17340), (458, 17382), (467, 17412), (541, 17595), (549, 17619), (571, 17670), (583, 17703), (605, 17763), (612, 17775), (625, 17817), (631, 17835), (678, 17970), (704, 18069), (709, 18087), (725, 18138), (748, 18198), (750, 18204), (782, 18279),

Gene: Tolls_20 Start: 15401, Stop: 17098, Start Num: 154

Candidate Starts for Tolls_20:

(Start: 150 @15398 has 7 MA's), (Start: 154 @15401 has 33 MA's), (226, 15503), (Start: 232 @15515 has 2 MA's), (265, 15611), (301, 15695), (334, 15785), (353, 15845), (362, 15872), (375, 15902), (376, 15905), (398, 15974), (432, 16007), (436, 16019), (437, 16022), (444, 16043), (446, 16046), (463, 16112), (467, 16124), (535, 16289), (587, 16439), (591, 16454), (599, 16472), (620, 16529), (679, 16670), (681, 16676), (685, 16688), (688, 16697), (706, 16769), (707, 16772), (709, 16778), (713, 16790), (748, 16895), (751, 16904), (759, 16937),

Gene: TomBrady_18 Start: 16650, Stop: 18404, Start Num: 142

Candidate Starts for TomBrady_18:

(Start: 111 @16641 has 26 MA's), (Start: 142 @16650 has 43 MA's), (Start: 148 @16656 has 2 MA's), (155, 16662), (237, 16794), (255, 16845), (265, 16875), (275, 16899), (313, 17001), (328, 17040), (330, 17046), (338, 17061), (351, 17106), (393, 17226), (418, 17283), (439, 17322), (456, 17370), (463, 17397), (467, 17409), (491, 17490), (517, 17535), (587, 17733), (598, 17763), (604, 17781), (613, 17808), (638, 17892), (653, 17910), (662, 17925), (676, 17973), (679, 17988), (698, 18051), (713, 18108), (725, 18147), (742, 18189), (761, 18240), (800, 18336), (817, 18396),

Gene: Tomaszewski_23 Start: 19346, Stop: 21025, Start Num: 137

Candidate Starts for Tomaszewski_23:

(Start: 137 @19346 has 79 MA's), (Start: 203 @19430 has 47 MA's), (Start: 244 @19508 has 1 MA's), (274, 19595), (287, 19610), (309, 19658), (321, 19697), (353, 19784), (365, 19817), (379, 19853), (388, 19883), (390, 19889), (409, 19958), (435, 19988), (438, 20000), (439, 20003), (458, 20060), (518, 20192), (519, 20198), (538, 20264), (541, 20270), (549, 20294), (568, 20342), (578, 20366), (582, 20375), (606, 20450), (643, 20501), (650, 20516), (698, 20678), (704, 20705), (713, 20735), (747, 20840), (786, 20918), (797, 20954), (800, 20963), (808, 20996), (813, 21011),

Gene: Toniann_48 Start: 29557, Stop: 31248, Start Num: 152

Candidate Starts for Toniann_48:

(Start: 152 @29557 has 16 MA's), (193, 29617), (214, 29650), (233, 29683), (280, 29809), (296, 29842), (299, 29851), (348, 29980), (363, 30028), (458, 30241), (459, 30247), (467, 30271), (524, 30400), (531, 30421), (541, 30454), (605, 30652), (678, 30805), (704, 30904), (707, 30916), (710, 30925), (740, 31009), (798, 31156), (807, 31192), (810, 31204),

Gene: TootsiePop_17 Start: 14677, Stop: 16386, Start Num: 129

Candidate Starts for TootsiePop_17:

(Start: 129 @14677 has 207 MA's), (205, 14764), (Start: 232 @14809 has 2 MA's), (242, 14833), (279, 14938), (287, 14944), (294, 14962), (297, 14971), (309, 14992), (347, 15097), (367, 15157), (371, 15166), (376, 15178), (379, 15187), (387, 15211), (396, 15247), (398, 15253), (401, 15265), (406, 15286), (407, 15289), (411, 15298), (424, 15313), (425, 15319), (432, 15337), (437, 15352), (439, 15358), (446, 15376), (447, 15379), (452, 15394), (457, 15409), (458, 15415), (469, 15463), (474, 15475), (475, 15481), (517, 15541), (520, 15553), (522, 15562), (531, 15589), (533, 15601), (541, 15622), (565, 15676), (568, 15685), (578, 15709), (590, 15739), (639, 15844), (645, 15856), (659, 15892), (680, 15970), (706, 16069), (713, 16090), (723, 16123), (734, 16153), (743, 16183), (745, 16189), (746, 16192), (748, 16198), (757, 16213), (758, 16216), (764, 16237), (790, 16282), (808, 16354), (809, 16360),

Gene: Tootsieroll_17 Start: 14648, Stop: 16357, Start Num: 129

Candidate Starts for Tootsieroll_17:

(Start: 129 @14648 has 207 MA's), (205, 14735), (Start: 232 @14780 has 2 MA's), (242, 14804), (258, 14861), (279, 14909), (287, 14915), (294, 14933), (309, 14963), (347, 15068), (367, 15128), (371, 15137), (379, 15158), (387, 15182), (396, 15218), (398, 15224), (406, 15257), (407, 15260), (411, 15269), (424, 15284), (425, 15290), (432, 15308), (437, 15323), (439, 15329), (446, 15347), (447, 15350), (452, 15365), (453, 15368), (457, 15380), (458, 15386), (469, 15434), (474, 15446), (475, 15452), (517, 15512), (520, 15524), (531, 15560), (533, 15572), (565, 15647), (568, 15656), (575, 15674), (578, 15680), (590, 15710), (639, 15815), (643, 15824), (645, 15827), (659, 15863), (680, 15941), (706, 16040), (713, 16061), (723, 16094), (734, 16124), (743, 16154), (746, 16163), (748, 16169), (757, 16184), (758, 16187), (765, 16211), (782, 16241), (790, 16253), (797, 16283), (808, 16325),

Gene: Topper_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Topper_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Torres_19 Start: 16697, Stop: 18463, Start Num: 120

Candidate Starts for Torres_19:

(Start: 120 @16697 has 139 MA's), (Start: 125 @16703 has 46 MA's), (Start: 148 @16727 has 2 MA's), (Start: 232 @16853 has 2 MA's), (237, 16868), (245, 16886), (265, 16949), (315, 17084), (317, 17090), (358, 17198), (360, 17207), (397, 17312), (437, 17381), (439, 17387), (452, 17423), (456, 17435), (472, 17498), (517, 17600), (521, 17618), (533, 17660), (534, 17663), (578, 17768), (604, 17840), (637, 17948), (640, 17954), (666, 17999), (681, 18053), (688, 18074), (707, 18149), (723, 18200), (761, 18299), (766, 18314), (786, 18350), (800, 18395), (809, 18434), (810, 18437), (817, 18455),

Gene: Tortellini_18 Start: 15988, Stop: 17724, Start Num: 125

Candidate Starts for Tortellini_18:

(Start: 125 @15988 has 46 MA's), (190, 16072), (226, 16123), (228, 16126), (Start: 232 @16135 has 2 MA's), (253, 16192), (258, 16213), (280, 16264), (295, 16288), (298, 16297), (342, 16408), (353, 16447), (390, 16555), (394, 16567), (407, 16621), (409, 16624), (429, 16663), (432, 16669), (439, 16690), (440, 16693), (458, 16747), (464, 16768), (512, 16873), (522, 16906), (533, 16945), (545, 16978), (568, 17044), (578, 17068), (587, 17092), (597, 17122), (602, 17134), (656, 17236), (662, 17248), (664, 17257), (665, 17266), (693, 17365), (696, 17374), (719, 17458), (752, 17557), (808, 17698), (813, 17713),

Gene: Tortoise12_18 Start: 14989, Stop: 16698, Start Num: 134

Candidate Starts for Tortoise12_18:

(Start: 134 @14989 has 43 MA's), (161, 15016), (Start: 232 @15121 has 2 MA's), (236, 15133), (249, 15169), (265, 15220), (279, 15250), (287, 15256), (297, 15283), (299, 15289), (347, 15409), (364, 15463), (367, 15469), (375, 15487), (379, 15499), (380, 15502), (387, 15523), (398, 15565), (406, 15598), (432, 15649), (437, 15664), (452, 15706), (457, 15721), (458, 15727), (469, 15775), (477, 15799), (493, 15829), (517, 15853), (533, 15913), (537, 15925), (557, 15979), (565, 15988), (589, 16048), (590, 16051), (639, 16156), (643, 16165), (659, 16204), (697, 16342), (742, 16492), (743, 16495), (746, 16504), (757, 16525), (765, 16552), (786, 16588), (813, 16681),

Gene: Totinger_17 Start: 14596, Stop: 16305, Start Num: 129

Candidate Starts for Totinger_17:

(Start: 129 @14596 has 207 MA's), (205, 14683), (Start: 232 @14728 has 2 MA's), (242, 14752), (279, 14857), (287, 14863), (294, 14881), (309, 14911), (347, 15016), (367, 15076), (375, 15094), (376, 15097), (379, 15106), (387, 15130), (432, 15256), (437, 15271), (439, 15277), (452, 15313), (453, 15316), (457, 15328), (458, 15334), (469, 15382), (474, 15394), (475, 15400), (517, 15460), (520, 15472), (531, 15508), (533, 15520), (565, 15595), (568, 15604), (575, 15622), (578, 15628), (590, 15658), (639, 15763), (645, 15775), (659, 15811), (680, 15889), (713, 16009), (723, 16042), (734, 16072), (737, 16084), (743, 16102), (745, 16108), (746, 16111), (748, 16117), (757, 16132), (758, 16135), (764, 16156), (765, 16159), (790, 16201), (797, 16231), (808, 16273), (809, 16279),

Gene: Toto_24 Start: 19830, Stop: 21425, Start Num: 203

Candidate Starts for Toto_24:

(Start: 137 @19746 has 79 MA's), (Start: 203 @19830 has 47 MA's), (Start: 244 @19908 has 1 MA's), (274, 19995), (287, 20010), (309, 20058), (321, 20097), (353, 20184), (365, 20217), (379, 20253), (388, 20283), (390, 20289), (409, 20358), (435, 20388), (438, 20400), (439, 20403), (458, 20460), (518, 20592), (519, 20598), (538, 20664), (541, 20670), (549, 20694), (568, 20742), (578, 20766), (582, 20775), (606, 20850), (643, 20901), (650, 20916), (698, 21078), (704, 21105), (713, 21135), (747, 21240), (786, 21318), (797, 21354), (800, 21363), (808, 21396), (813, 21411),

Gene: Tourach_18 Start: 16987, Stop: 18720, Start Num: 131

Candidate Starts for Tourach_18:

(Start: 131 @16987 has 77 MA's), (188, 17056), (261, 17197), (262, 17200), (278, 17230), (285, 17245), (296, 17278), (312, 17323), (334, 17377), (344, 17404), (347, 17416), (362, 17467), (365, 17473), (378, 17506), (451, 17659), (458, 17683), (460, 17692), (472, 17737), (490, 17788), (553, 17950), (575, 18013), (601, 18085), (614, 18121), (661, 18220), (670, 18241), (672, 18247), (675, 18259), (691, 18322), (715, 18409), (723, 18436), (725, 18442), (736, 18469), (740, 18481), (748, 18505), (754, 18520), (764, 18556), (794, 18634), (800, 18652),

Gene: Towmatter_29 Start: 25303, Stop: 27189, Start Num: 153

Candidate Starts for Towmatter_29:

(Start: 153 @25303 has 5 MA's), (230, 25414), (248, 25465), (262, 25513), (318, 25645), (348, 25720), (363, 25768), (393, 25852), (420, 25990), (430, 26089), (455, 26182), (458, 26194), (459, 26200), (467, 26224), (475, 26260), (477, 26266), (533, 26386), (545, 26419), (549, 26431), (572, 26491),

(605, 26593), (622, 26635), (629, 26659), (688, 26782), (707, 26857), (713, 26875), (756, 26989), (818, 27181),

Gene: Traaww1_22 Start: 19391, Stop: 21070, Start Num: 137

Candidate Starts for Traaww1_22:

(Start: 137 @19391 has 79 MA's), (Start: 203 @19475 has 47 MA's), (Start: 244 @19553 has 1 MA's), (274, 19640), (287, 19655), (309, 19703), (321, 19742), (353, 19829), (357, 19841), (365, 19862), (379, 19898), (388, 19928), (390, 19934), (409, 20003), (435, 20033), (438, 20045), (439, 20048), (458, 20105), (518, 20237), (519, 20243), (538, 20309), (541, 20315), (549, 20339), (568, 20387), (578, 20411), (582, 20420), (606, 20495), (643, 20546), (650, 20561), (698, 20723), (704, 20750), (713, 20780), (747, 20885), (786, 20963), (797, 20999), (800, 21008), (808, 21041), (813, 21056),

Gene: Tracker_41 Start: 29603, Stop: 31216, Start Num: 178

Candidate Starts for Tracker_41:

(Start: 178 @29603 has 37 MA's), (Start: 207 @29639 has 1 MA's), (216, 29657), (245, 29717), (338, 29957), (342, 29969), (346, 29984), (369, 30050), (375, 30065), (383, 30089), (384, 30092), (413, 30176), (438, 30206), (439, 30209), (456, 30257), (458, 30266), (469, 30314), (471, 30317), (477, 30338), (531, 30443), (549, 30488), (567, 30530), (627, 30704), (636, 30734), (637, 30740), (691, 30848), (692, 30851), (713, 30926), (797, 31145), (813, 31202),

Gene: Trax_28 Start: 23606, Stop: 25348, Start Num: 122

Candidate Starts for Trax_28:

(78, 23528), (Start: 109 @23591 has 26 MA's), (Start: 122 @23606 has 7 MA's), (141, 23618), (159, 23636), (188, 23678), (Start: 207 @23705 has 1 MA's), (246, 23762), (262, 23822), (295, 23897), (296, 23900), (299, 23909), (302, 23918), (312, 23957), (313, 23960), (335, 24014), (343, 24035), (353, 24071), (362, 24101), (385, 24161), (387, 24167), (408, 24221), (451, 24290), (454, 24299), (458, 24314), (492, 24422), (501, 24428), (547, 24554), (579, 24647), (587, 24668), (589, 24671), (613, 24743), (624, 24776), (631, 24797), (670, 24866), (672, 24872), (674, 24881), (704, 24998), (706, 25007), (725, 25067), (739, 25103), (744, 25118), (757, 25154), (759, 25160), (780, 25223), (794, 25265), (802, 25292), (806, 25307), (815, 25337),

Gene: TreyKay_23 Start: 17122, Stop: 18888, Start Num: 120

Candidate Starts for TreyKay_23:

(Start: 120 @17122 has 139 MA's), (Start: 148 @17152 has 2 MA's), (245, 17311), (255, 17344), (265, 17374), (280, 17407), (287, 17419), (315, 17509), (333, 17551), (354, 17614), (358, 17623), (360, 17632), (376, 17671), (390, 17716), (397, 17737), (398, 17740), (439, 17812), (454, 17854), (456, 17860), (463, 17887), (517, 18025), (521, 18043), (533, 18085), (540, 18103), (551, 18133), (564, 18160), (604, 18265), (666, 18424), (677, 18460), (685, 18490), (688, 18499), (707, 18574), (723, 18625), (800, 18820), (809, 18859), (810, 18862), (817, 18880),

Gene: TriFive_19 Start: 17373, Stop: 19136, Start Num: 98

Candidate Starts for TriFive_19:

(Start: 98 @17373 has 41 MA's), (Start: 120 @17400 has 139 MA's), (174, 17463), (Start: 207 @17511 has 1 MA's), (210, 17517), (239, 17553), (262, 17628), (274, 17652), (278, 17658), (299, 17715), (344, 17829), (347, 17841), (385, 17952), (455, 18096), (458, 18108), (468, 18141), (543, 18330), (545, 18336), (563, 18393), (579, 18435), (583, 18444), (587, 18456), (613, 18531), (635, 18600), (638, 18612), (672, 18660), (689, 18726), (709, 18804), (723, 18849), (744, 18906), (764, 18969), (777, 19005), (785, 19020), (794, 19050), (796, 19056), (800, 19068), (802, 19077), (805, 19089),

Gene: TribbleTrouble_21 Start: 17403, Stop: 19166, Start Num: 120

Candidate Starts for TribbleTrouble_21:

(Start: 111 @17394 has 26 MA's), (Start: 120 @17403 has 139 MA's), (210, 17508), (237, 17562), (255, 17613), (265, 17643), (275, 17667), (358, 17898), (360, 17907), (365, 17919), (390, 17991),

(391, 17994), (393, 18000), (397, 18012), (398, 18015), (439, 18087), (443, 18096), (454, 18129), (456, 18135), (467, 18174), (475, 18210), (534, 18363), (545, 18393), (569, 18450), (604, 18543), (622, 18597), (666, 18699), (676, 18732), (679, 18747), (687, 18771), (695, 18798), (709, 18855), (723, 18900), (761, 19002), (805, 19119), (809, 19137), (811, 19143), (817, 19158),

Gene: Trine_18 Start: 14775, Stop: 16385, Start Num: 160

Candidate Starts for Trine_18:

(Start: 160 @14775 has 11 MA's), (242, 14901), (299, 15048), (363, 15222), (422, 15339), (455, 15420), (483, 15525), (520, 15576), (532, 15615), (537, 15636), (582, 15750), (583, 15753), (605, 15813), (612, 15825), (613, 15828), (622, 15855), (685, 15996), (689, 16011), (746, 16191), (759, 16221), (790, 16287), (801, 16329), (813, 16374),

Gene: Troje_18 Start: 15362, Stop: 17059, Start Num: 154

Candidate Starts for Troje_18:

(Start: 125 @15332 has 46 MA's), (Start: 150 @15359 has 7 MA's), (Start: 154 @15362 has 33 MA's), (265, 15572), (331, 15740), (334, 15746), (372, 15854), (384, 15890), (393, 15920), (398, 15935), (432, 15968), (436, 15980), (448, 16016), (463, 16073), (467, 16085), (520, 16205), (527, 16226), (535, 16250), (587, 16400), (591, 16415), (599, 16433), (620, 16490), (677, 16619), (679, 16631), (685, 16649), (688, 16658), (706, 16730), (707, 16733), (709, 16739), (713, 16751), (748, 16856), (751, 16865), (759, 16898), (805, 17024),

Gene: TruffulaTree_23 Start: 17151, Stop: 18917, Start Num: 120

Candidate Starts for TruffulaTree_23:

(Start: 120 @17151 has 139 MA's), (Start: 148 @17181 has 2 MA's), (245, 17340), (255, 17373), (265, 17403), (280, 17436), (287, 17448), (315, 17538), (333, 17580), (358, 17652), (360, 17661), (376, 17700), (390, 17745), (397, 17766), (398, 17769), (433, 17823), (439, 17841), (454, 17883), (456, 17889), (463, 17916), (517, 18054), (521, 18072), (533, 18114), (540, 18132), (551, 18162), (564, 18189), (604, 18294), (666, 18453), (677, 18489), (685, 18519), (688, 18528), (707, 18603), (723, 18654), (761, 18753), (800, 18849), (809, 18888), (810, 18891), (817, 18909),

Gene: Trumpet_19 Start: 17773, Stop: 19371, Start Num: 167

Candidate Starts for Trumpet_19:

(Start: 167 @17773 has 53 MA's), (299, 18022), (302, 18031), (309, 18049), (310, 18052), (327, 18106), (354, 18181), (380, 18250), (381, 18259), (385, 18271), (400, 18322), (406, 18349), (410, 18358), (411, 18361), (455, 18391), (456, 18394), (469, 18451), (513, 18517), (542, 18595), (553, 18628), (570, 18652), (584, 18688), (621, 18790), (637, 18847), (668, 18892), (671, 18898), (680, 18937), (750, 19177), (774, 19255),

Gene: Tuco_25 Start: 20261, Stop: 21940, Start Num: 137

Candidate Starts for Tuco_25:

(Start: 137 @20261 has 79 MA's), (Start: 203 @20345 has 47 MA's), (Start: 244 @20423 has 1 MA's), (274, 20510), (287, 20525), (309, 20573), (321, 20612), (353, 20699), (365, 20732), (379, 20768), (388, 20798), (390, 20804), (409, 20873), (435, 20903), (438, 20915), (439, 20918), (458, 20975), (518, 21107), (519, 21113), (538, 21179), (541, 21185), (549, 21209), (568, 21257), (578, 21281), (582, 21290), (606, 21365), (643, 21416), (650, 21431), (698, 21593), (704, 21620), (713, 21650), (747, 21755), (786, 21833), (797, 21869), (800, 21878), (808, 21911), (813, 21926),

Gene: TuertoX_17 Start: 14758, Stop: 16467, Start Num: 169

Candidate Starts for TuertoX_17:

(Start: 169 @14758 has 31 MA's), (238, 14875), (295, 15025), (309, 15064), (312, 15079), (340, 15148), (344, 15160), (370, 15238), (372, 15241), (410, 15373), (431, 15427), (455, 15508), (469, 15568), (472, 15574), (474, 15580), (529, 15661), (543, 15697), (556, 15733), (570, 15751), (585, 15790), (613, 15862), (621, 15886), (701, 16120), (705, 16135), (718, 16177), (749, 16270), (750,

16273), (764, 16321), (774, 16351),

Gene: Turuncu_45 Start: 30900, Stop: 32519, Start Num: 178

Candidate Starts for Turuncu_45:

(Start: 178 @30900 has 37 MA's), (189, 30915), (Start: 207 @30936 has 1 MA's), (245, 31014), (297, 31152), (346, 31281), (355, 31311), (365, 31338), (369, 31347), (375, 31362), (413, 31473), (438, 31503), (439, 31506), (458, 31563), (550, 31788), (567, 31827), (586, 31875), (627, 32001), (637, 32037), (678, 32094), (692, 32148), (713, 32223), (761, 32355), (793, 32430), (797, 32442), (801, 32454), (803, 32463), (813, 32499),

Gene: Tweety_16 Start: 14860, Stop: 16569, Start Num: 129

Candidate Starts for Tweety_16:

(Start: 129 @14860 has 207 MA's), (205, 14947), (Start: 232 @14992 has 2 MA's), (242, 15016), (279, 15121), (287, 15127), (294, 15145), (309, 15175), (347, 15280), (367, 15340), (376, 15361), (379, 15370), (387, 15394), (432, 15520), (437, 15535), (439, 15541), (452, 15577), (453, 15580), (457, 15592), (458, 15598), (469, 15646), (474, 15658), (475, 15664), (517, 15724), (520, 15736), (531, 15772), (533, 15784), (565, 15859), (568, 15868), (575, 15886), (578, 15892), (590, 15922), (639, 16027), (643, 16036), (645, 16039), (659, 16075), (680, 16153), (706, 16252), (713, 16273), (723, 16306), (734, 16336), (743, 16366), (746, 16375), (748, 16381), (757, 16396), (758, 16399), (765, 16423), (782, 16453), (790, 16465), (797, 16495), (808, 16537),

Gene: Twinkle_20 Start: 18961, Stop: 20541, Start Num: 167

Candidate Starts for Twinkle_20:

(83, 18844), (Start: 167 @18961 has 53 MA's), (302, 19219), (310, 19240), (327, 19294), (344, 19333), (361, 19390), (370, 19411), (456, 19582), (460, 19600), (468, 19624), (472, 19645), (513, 19687), (543, 19768), (584, 19858), (604, 19909), (621, 19960), (622, 19963), (637, 20017), (680, 20107), (761, 20386), (764, 20395), (774, 20425),

Gene: Twitch_23 Start: 17188, Stop: 18954, Start Num: 120

Candidate Starts for Twitch_23:

(Start: 120 @17188 has 139 MA's), (Start: 148 @17218 has 2 MA's), (245, 17377), (255, 17410), (265, 17440), (280, 17473), (287, 17485), (315, 17575), (333, 17617), (358, 17689), (360, 17698), (376, 17737), (390, 17782), (397, 17803), (398, 17806), (433, 17860), (439, 17878), (454, 17920), (456, 17926), (463, 17953), (517, 18091), (521, 18109), (533, 18151), (540, 18169), (551, 18199), (564, 18226), (604, 18331), (666, 18490), (677, 18526), (685, 18556), (688, 18565), (707, 18640), (723, 18691), (800, 18886), (809, 18925), (810, 18928), (817, 18946),

Gene: Twonlo_30 Start: 27002, Stop: 28621, Start Num: 168

Candidate Starts for Twonlo_30:

(Start: 168 @27002 has 11 MA's), (185, 27023), (230, 27086), (274, 27209), (280, 27221), (308, 27278), (338, 27356), (380, 27479), (440, 27593), (451, 27623), (463, 27665), (479, 27728), (517, 27776), (519, 27785), (533, 27836), (550, 27884), (612, 28049), (622, 28079), (676, 28187), (677, 28190), (689, 28235), (702, 28292), (704, 28298), (705, 28304), (720, 28352), (723, 28361), (725, 28367), (726, 28370), (746, 28421), (761, 28466), (791, 28535), (805, 28583), (808, 28595),

Gene: TyDawg_28 Start: 22368, Stop: 24104, Start Num: 114

Candidate Starts for TyDawg_28:

(51, 22146), (Start: 86 @22326 has 4 MA's), (Start: 93 @22341 has 2 MA's), (Start: 114 @22368 has 15 MA's), (132, 22383), (Start: 167 @22422 has 53 MA's), (188, 22452), (191, 22458), (201, 22470), (257, 22575), (261, 22590), (280, 22629), (327, 22752), (331, 22761), (362, 22857), (379, 22899), (380, 22902), (458, 23079), (496, 23190), (517, 23217), (536, 23289), (539, 23298), (540, 23301), (544, 23313), (586, 23433), (587, 23436), (601, 23478), (612, 23508), (614, 23514), (670, 23634), (672, 23640), (785, 23994), (794, 24021), (800, 24039), (802, 24048),

Gene: Typha_24 Start: 19608, Stop: 21443, Start Num: 72

Candidate Starts for Typha_24:

(Start: 72 @19608 has 4 MA's), (Start: 95 @19656 has 1 MA's), (99, 19665), (Start: 147 @19704 has 24 MA's), (177, 19734), (Start: 184 @19746 has 1 MA's), (210, 19782), (228, 19812), (Start: 232 @19821 has 2 MA's), (237, 19836), (255, 19887), (256, 19890), (298, 19989), (346, 20130), (362, 20181), (365, 20187), (380, 20226), (397, 20280), (439, 20349), (454, 20391), (464, 20427), (467, 20436), (489, 20514), (496, 20523), (505, 20553), (516, 20586), (517, 20589), (533, 20649), (542, 20673), (545, 20682), (574, 20751), (612, 20856), (613, 20859), (622, 20886), (691, 21069), (782, 21324), (809, 21414), (810, 21417), (811, 21420),

Gene: Typhonomachy_19 Start: 15732, Stop: 17429, Start Num: 154

Candidate Starts for Typhonomachy_19:

(Start: 150 @15729 has 7 MA's), (Start: 154 @15732 has 33 MA's), (265, 15942), (313, 16065), (334, 16116), (362, 16203), (366, 16212), (375, 16233), (380, 16248), (384, 16260), (432, 16338), (436, 16350), (446, 16377), (454, 16410), (463, 16443), (467, 16455), (477, 16497), (535, 16620), (558, 16692), (587, 16770), (591, 16785), (599, 16803), (620, 16860), (666, 16953), (677, 16989), (679, 17001), (681, 17007), (685, 17019), (688, 17028), (706, 17100), (707, 17103), (709, 17109), (713, 17121), (731, 17181), (748, 17226), (751, 17235), (759, 17268), (790, 17334),

Gene: Tyson_18 Start: 16746, Stop: 18515, Start Num: 98

Candidate Starts for Tyson_18:

(Start: 70 @16683 has 1 MA's), (80, 16704), (85, 16719), (Start: 98 @16746 has 41 MA's), (174, 16839), (Start: 207 @16887 has 1 MA's), (210, 16893), (236, 16920), (237, 16923), (239, 16929), (261, 17001), (266, 17010), (278, 17034), (285, 17049), (295, 17079), (344, 17205), (346, 17214), (352, 17235), (357, 17250), (382, 17319), (393, 17355), (404, 17376), (447, 17445), (458, 17484), (517, 17622), (520, 17634), (543, 17709), (545, 17715), (550, 17733), (563, 17772), (575, 17805), (579, 17814), (583, 17823), (586, 17832), (587, 17835), (628, 17955), (638, 17991), (672, 18039), (675, 18051), (689, 18105), (715, 18201), (720, 18219), (722, 18225), (723, 18228), (736, 18261), (744, 18285), (764, 18348), (779, 18390), (794, 18429), (800, 18447), (805, 18468), (810, 18489),

Gene: UPIE_18 Start: 16744, Stop: 18513, Start Num: 98

Candidate Starts for UPIE_18:

(Start: 70 @16681 has 1 MA's), (80, 16702), (85, 16717), (Start: 98 @16744 has 41 MA's), (174, 16837), (Start: 207 @16885 has 1 MA's), (210, 16891), (236, 16918), (237, 16921), (239, 16927), (261, 16999), (266, 17008), (278, 17032), (285, 17047), (295, 17077), (344, 17203), (346, 17212), (352, 17233), (357, 17248), (382, 17317), (393, 17353), (404, 17374), (447, 17443), (458, 17482), (517, 17620), (520, 17632), (543, 17707), (545, 17713), (550, 17731), (563, 17770), (575, 17803), (579, 17812), (583, 17821), (586, 17830), (587, 17833), (628, 17953), (638, 17989), (672, 18037), (675, 18049), (689, 18103), (715, 18199), (720, 18217), (722, 18223), (723, 18226), (736, 18259), (744, 18283), (764, 18346), (779, 18388), (794, 18427), (800, 18445), (805, 18466), (810, 18487),

Gene: Ubuntu_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Ubuntu_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574, 18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: Ukulele_24 Start: 19504, Stop: 21183, Start Num: 137

Candidate Starts for Ukulele_24:

(Start: 137 @19504 has 79 MA's), (Start: 203 @19588 has 47 MA's), (Start: 244 @19666 has 1 MA's), (274, 19753), (287, 19768), (309, 19816), (321, 19855), (353, 19942), (365, 19975), (379, 20011), (388, 20041), (390, 20047), (409, 20116), (435, 20146), (438, 20158), (439, 20161), (458, 20218), (518, 20350), (519, 20356), (538, 20422), (541, 20428), (549, 20452), (568, 20500), (578, 20524), (582, 20533), (606, 20608), (643, 20659), (650, 20674), (698, 20836), (704, 20863), (713, 20893), (747, 20998), (786, 21076), (797, 21112), (800, 21121), (808, 21154), (813, 21169),

Gene: UmaThurman_19 Start: 16778, Stop: 18424, Start Num: 171

Candidate Starts for UmaThurman_19:

(143, 16742), (Start: 171 @16778 has 46 MA's), (237, 16880), (260, 16952), (262, 16958), (265, 16961), (309, 17057), (319, 17096), (354, 17177), (375, 17231), (380, 17246), (433, 17342), (458, 17417), (467, 17447), (541, 17630), (549, 17654), (605, 17798), (612, 17810), (631, 17870), (677, 18002), (678, 18005), (704, 18104), (709, 18122), (725, 18173), (750, 18239), (772, 18302), (782, 18314),

Gene: UncleRicky_17 Start: 14628, Stop: 16337, Start Num: 129

Candidate Starts for UncleRicky_17:

(Start: 129 @14628 has 207 MA's), (205, 14715), (Start: 232 @14760 has 2 MA's), (242, 14784), (258, 14841), (279, 14889), (287, 14895), (294, 14913), (309, 14943), (347, 15048), (364, 15102), (367, 15108), (371, 15117), (376, 15129), (379, 15138), (387, 15162), (396, 15198), (398, 15204), (401, 15216), (406, 15237), (407, 15240), (411, 15249), (424, 15264), (425, 15270), (432, 15288), (437, 15303), (439, 15309), (446, 15327), (447, 15330), (452, 15345), (457, 15360), (458, 15366), (467, 15396), (469, 15414), (474, 15426), (475, 15432), (517, 15492), (520, 15504), (531, 15540), (533, 15552), (541, 15573), (565, 15627), (568, 15636), (578, 15660), (590, 15690), (639, 15795), (645, 15807), (659, 15843), (671, 15882), (680, 15921), (706, 16020), (713, 16041), (723, 16074), (734, 16104), (743, 16134), (746, 16143), (748, 16149), (757, 16164), (758, 16167), (764, 16188), (765, 16191), (790, 16233), (797, 16263), (808, 16305), (809, 16311),

Gene: Underpass_18 Start: 16994, Stop: 18727, Start Num: 131

Candidate Starts for Underpass_18:

(Start: 131 @16994 has 77 MA's), (188, 17063), (261, 17204), (262, 17207), (285, 17252), (296, 17285), (299, 17294), (312, 17330), (334, 17384), (344, 17411), (347, 17423), (362, 17474), (365, 17480), (378, 17513), (451, 17666), (458, 17690), (460, 17699), (472, 17744), (476, 17759), (517, 17837), (553, 17957), (575, 18020), (601, 18092), (614, 18128), (670, 18248), (672, 18254), (675, 18266), (691, 18329), (715, 18416), (723, 18443), (748, 18512), (754, 18527), (757, 18539), (764, 18563), (794, 18641),

Gene: Unicorn_22 Start: 16372, Stop: 18138, Start Num: 120

Candidate Starts for Unicorn_22:

(Start: 111 @16363 has 26 MA's), (Start: 120 @16372 has 139 MA's), (Start: 148 @16402 has 2 MA's), (237, 16543), (245, 16561), (255, 16594), (265, 16624), (287, 16669), (315, 16759), (330, 16795), (360, 16882), (393, 16975), (397, 16987), (398, 16990), (407, 17008), (417, 17029), (433, 17044), (437, 17056), (439, 17062), (454, 17104), (456, 17110), (521, 17293), (540, 17353), (575, 17437), (583, 17455), (604, 17515), (628, 17590), (635, 17614), (666, 17674), (676, 17707), (677, 17710), (681, 17728), (688, 17749), (707, 17824), (723, 17875), (733, 17902), (761, 17974), (786, 18025), (809, 18109), (810, 18112), (817, 18130),

Gene: Upyo_18 Start: 14948, Stop: 16558, Start Num: 160

Candidate Starts for Upyo_18:

(97, 14867), (Start: 160 @14948 has 11 MA's), (Start: 168 @14957 has 11 MA's), (228, 15041), (242, 15074), (284, 15182), (299, 15221), (318, 15272), (333, 15305), (363, 15395), (376, 15425), (422,

15512), (454, 15590), (455, 15593), (474, 15665), (483, 15698), (520, 15749), (531, 15785), (537, 15809), (558, 15869), (582, 15923), (583, 15926), (602, 15968), (605, 15986), (612, 15998), (670, 16112), (685, 16169), (689, 16184), (801, 16502), (813, 16547),

Gene: Urkel_23 Start: 17102, Stop: 18868, Start Num: 120

Candidate Starts for Urkel_23:

(Start: 120 @17102 has 139 MA's), (Start: 148 @17132 has 2 MA's), (245, 17291), (255, 17324), (265, 17354), (280, 17387), (287, 17399), (315, 17489), (333, 17531), (358, 17603), (360, 17612), (376, 17651), (390, 17696), (398, 17720), (439, 17792), (454, 17834), (456, 17840), (463, 17867), (517, 18005), (521, 18023), (533, 18065), (551, 18113), (564, 18140), (604, 18245), (633, 18335), (677, 18440), (685, 18470), (688, 18479), (707, 18554), (723, 18605), (800, 18800), (809, 18839), (810, 18842), (817, 18860),

Gene: Utz_19 Start: 16645, Stop: 18291, Start Num: 171

Candidate Starts for Utz_19:

(143, 16609), (Start: 171 @16645 has 46 MA's), (237, 16747), (262, 16825), (265, 16828), (309, 16924), (319, 16963), (354, 17044), (375, 17098), (380, 17113), (458, 17284), (467, 17314), (541, 17497), (549, 17521), (550, 17524), (571, 17572), (605, 17665), (612, 17677), (626, 17722), (631, 17737), (677, 17869), (678, 17872), (704, 17971), (709, 17989), (725, 18040), (750, 18106), (772, 18169), (782, 18181),

Gene: VRedHorse_16 Start: 14970, Stop: 16679, Start Num: 129

Candidate Starts for VRedHorse_16:

(Start: 129 @14970 has 207 MA's), (205, 15057), (Start: 232 @15102 has 2 MA's), (242, 15126), (258, 15183), (279, 15231), (287, 15237), (294, 15255), (309, 15285), (347, 15390), (367, 15450), (371, 15459), (379, 15480), (387, 15504), (398, 15546), (406, 15579), (411, 15591), (424, 15606), (432, 15630), (437, 15645), (439, 15651), (452, 15687), (457, 15702), (458, 15708), (460, 15717), (469, 15756), (474, 15768), (475, 15774), (517, 15834), (531, 15882), (533, 15894), (541, 15915), (565, 15969), (568, 15978), (575, 15996), (578, 16002), (590, 16032), (639, 16137), (645, 16149), (659, 16185), (671, 16224), (680, 16263), (706, 16362), (713, 16383), (723, 16416), (734, 16446), (743, 16476), (745, 16482), (746, 16485), (748, 16491), (757, 16506), (758, 16509), (764, 16530), (790, 16575), (797, 16605), (808, 16647), (809, 16653),

Gene: Vagabond_56 Start: 33305, Stop: 35041, Start Num: 109

Candidate Starts for Vagabond_56:

(Start: 104 @33296 has 2 MA's), (Start: 109 @33305 has 26 MA's), (Start: 184 @33395 has 1 MA's), (248, 33512), (258, 33548), (266, 33569), (279, 33596), (287, 33602), (298, 33632), (311, 33656), (329, 33707), (379, 33845), (381, 33851), (395, 33902), (396, 33905), (401, 33923), (432, 33974), (439, 33995), (440, 33998), (457, 34046), (458, 34052), (469, 34100), (472, 34106), (474, 34112), (507, 34172), (517, 34196), (518, 34199), (531, 34244), (534, 34259), (537, 34268), (541, 34277), (557, 34322), (568, 34340), (582, 34373), (645, 34511), (654, 34532), (674, 34598), (681, 34628), (696, 34682), (706, 34724), (713, 34745), (719, 34766), (723, 34778), (730, 34799), (748, 34853), (786, 34931), (797, 34967), (803, 34988), (809, 35015),

Gene: Validus_23 Start: 16448, Stop: 18214, Start Num: 120

Candidate Starts for Validus_23:

(Start: 120 @16448 has 139 MA's), (Start: 148 @16478 has 2 MA's), (Start: 232 @16604 has 2 MA's), (237, 16619), (245, 16637), (255, 16670), (287, 16745), (295, 16763), (315, 16835), (330, 16871), (358, 16949), (360, 16958), (393, 17051), (397, 17063), (398, 17066), (437, 17132), (439, 17138), (452, 17174), (454, 17180), (456, 17186), (463, 17213), (517, 17351), (521, 17369), (540, 17429), (551, 17459), (564, 17486), (578, 17519), (604, 17591), (622, 17645), (637, 17699), (640, 17705), (666, 17750), (676, 17783), (678, 17789), (685, 17816), (688, 17825), (707, 17900), (723, 17951), (766, 18065), (800, 18146), (809, 18185), (810, 18188), (817, 18206),

Gene: Vasanti_17 Start: 14704, Stop: 16413, Start Num: 169

Candidate Starts for Vasanti_17:

(77, 14569), (83, 14584), (Start: 169 @14704 has 31 MA's), (199, 14746), (238, 14821), (260, 14893), (261, 14896), (312, 15025), (344, 15106), (370, 15184), (372, 15187), (385, 15232), (431, 15373), (455, 15454), (465, 15490), (469, 15514), (474, 15526), (513, 15562), (556, 15679), (576, 15712), (585, 15736), (613, 15808), (621, 15832), (622, 15835), (701, 16066), (705, 16081), (749, 16216), (750, 16219), (764, 16267), (774, 16297),

Gene: VasuNzinga_50 Start: 26580, Stop: 28292, Start Num: 131

Candidate Starts for VasuNzinga_50:

(90, 26517), (Start: 131 @26580 has 77 MA's), (196, 26661), (237, 26718), (262, 26799), (266, 26805), (291, 26862), (295, 26874), (299, 26886), (313, 26925), (317, 26940), (346, 27009), (362, 27063), (366, 27072), (443, 27228), (458, 27276), (460, 27285), (463, 27294), (473, 27333), (477, 27348), (517, 27411), (520, 27423), (556, 27540), (557, 27543), (575, 27594), (586, 27621), (587, 27624), (593, 27645), (607, 27687), (665, 27807), (672, 27825), (709, 27969), (723, 28014), (727, 28032), (756, 28116), (759, 28125), (764, 28143), (771, 28164), (794, 28209), (796, 28215), (800, 28227), (803, 28239), (806, 28251), (813, 28275), (815, 28281),

Gene: Veliki_23 Start: 17191, Stop: 18957, Start Num: 120

Candidate Starts for Veliki_23:

(Start: 120 @17191 has 139 MA's), (Start: 148 @17221 has 2 MA's), (245, 17380), (255, 17413), (265, 17443), (280, 17476), (287, 17488), (315, 17578), (333, 17620), (358, 17692), (360, 17701), (376, 17740), (390, 17785), (397, 17806), (398, 17809), (433, 17863), (439, 17881), (454, 17923), (456, 17929), (463, 17956), (517, 18094), (521, 18112), (533, 18154), (540, 18172), (551, 18202), (564, 18229), (604, 18334), (666, 18493), (677, 18529), (685, 18559), (688, 18568), (707, 18643), (723, 18694), (761, 18793), (800, 18889), (809, 18928), (810, 18931), (817, 18949),

Gene: Velveteen_17 Start: 14635, Stop: 16344, Start Num: 129

Candidate Starts for Velveteen_17:

(Start: 129 @14635 has 207 MA's), (Start: 232 @14767 has 2 MA's), (242, 14791), (279, 14896), (287, 14902), (294, 14920), (309, 14950), (347, 15055), (367, 15115), (376, 15136), (379, 15145), (387, 15169), (406, 15244), (407, 15247), (432, 15295), (437, 15310), (439, 15316), (452, 15352), (453, 15355), (457, 15367), (458, 15373), (469, 15421), (474, 15433), (475, 15439), (517, 15499), (520, 15511), (531, 15547), (533, 15559), (565, 15634), (568, 15643), (575, 15661), (578, 15667), (590, 15697), (639, 15802), (643, 15811), (645, 15814), (659, 15850), (680, 15928), (706, 16027), (713, 16048), (723, 16081), (734, 16111), (743, 16141), (746, 16150), (748, 16156), (757, 16171), (758, 16174), (765, 16198), (782, 16228), (790, 16240), (797, 16270), (808, 16312),

Gene: Venti_19 Start: 16385, Stop: 18121, Start Num: 125

Candidate Starts for Venti_19:

(Start: 106 @16361 has 2 MA's), (Start: 125 @16385 has 46 MA's), (175, 16445), (189, 16466), (190, 16469), (253, 16589), (265, 16628), (280, 16661), (295, 16685), (342, 16805), (353, 16844), (355, 16850), (385, 16934), (387, 16940), (390, 16952), (396, 16976), (403, 17003), (409, 17021), (429, 17060), (432, 17066), (440, 17090), (458, 17144), (461, 17156), (464, 17165), (479, 17225), (522, 17303), (533, 17342), (545, 17375), (568, 17441), (574, 17456), (578, 17465), (587, 17489), (597, 17519), (602, 17531), (656, 17633), (662, 17645), (663, 17648), (664, 17654), (665, 17663), (696, 17771), (719, 17855), (752, 17954), (800, 18062), (813, 18110),

Gene: Verity_34 Start: 30944, Stop: 32566, Start Num: 166

Candidate Starts for Verity_34:

(Start: 119 @30887 has 1 MA's), (Start: 166 @30944 has 18 MA's), (185, 30965), (230, 31028), (253, 31091), (274, 31151), (280, 31163), (315, 31250), (338, 31301), (347, 31331), (376, 31412), (385,

31439), (440, 31538), (451, 31568), (454, 31577), (464, 31613), (479, 31673), (517, 31721), (519, 31730), (550, 31829), (566, 31868), (572, 31880), (625, 32036), (629, 32048), (648, 32075), (676, 32132), (687, 32171), (689, 32180), (702, 32237), (705, 32249), (720, 32297), (723, 32306), (725, 32312), (733, 32333), (761, 32411), (810, 32549),

Gene: Veteran_16 Start: 14805, Stop: 16514, Start Num: 129

Candidate Starts for Veteran_16:

(Start: 129 @14805 has 207 MA's), (205, 14892), (Start: 232 @14937 has 2 MA's), (242, 14961), (279, 15066), (287, 15072), (294, 15090), (309, 15120), (347, 15225), (364, 15279), (367, 15285), (371, 15294), (376, 15306), (379, 15315), (387, 15339), (396, 15375), (398, 15381), (401, 15393), (406, 15414), (407, 15417), (411, 15426), (424, 15441), (425, 15447), (432, 15465), (437, 15480), (439, 15486), (446, 15504), (447, 15507), (452, 15522), (457, 15537), (458, 15543), (467, 15573), (469, 15591), (474, 15603), (475, 15609), (517, 15669), (520, 15681), (531, 15717), (533, 15729), (541, 15750), (565, 15804), (568, 15813), (578, 15837), (590, 15867), (639, 15972), (645, 15984), (659, 16020), (671, 16059), (680, 16098), (706, 16197), (713, 16218), (723, 16251), (734, 16281), (743, 16311), (746, 16320), (748, 16326), (757, 16341), (758, 16344), (764, 16365), (765, 16368), (790, 16410), (797, 16440), (808, 16482), (809, 16488),

Gene: Vetric_18 Start: 16995, Stop: 18728, Start Num: 131

Candidate Starts for Vetric_18:

(Start: 131 @16995 has 77 MA's), (188, 17064), (261, 17205), (262, 17208), (285, 17253), (296, 17286), (299, 17295), (312, 17331), (334, 17385), (344, 17412), (347, 17424), (362, 17475), (365, 17481), (378, 17514), (451, 17667), (458, 17691), (460, 17700), (472, 17745), (476, 17760), (517, 17838), (553, 17958), (575, 18021), (601, 18093), (614, 18129), (670, 18249), (672, 18255), (675, 18267), (691, 18330), (704, 18381), (715, 18417), (723, 18444), (748, 18513), (754, 18528), (757, 18540), (764, 18564), (794, 18642),

Gene: ViaConlectus_35 Start: 29390, Stop: 31012, Start Num: 166

Candidate Starts for ViaConlectus_35:

(Start: 166 @29390 has 18 MA's), (185, 29411), (194, 29423), (230, 29474), (245, 29513), (253, 29537), (280, 29609), (315, 29696), (338, 29747), (347, 29777), (389, 29900), (440, 29984), (451, 30014), (454, 30023), (463, 30056), (464, 30059), (479, 30119), (517, 30167), (519, 30176), (550, 30275), (566, 30314), (572, 30326), (625, 30482), (648, 30521), (677, 30581), (678, 30584), (685, 30611), (689, 30626), (702, 30683), (705, 30695), (720, 30743), (723, 30752), (725, 30758), (733, 30779), (746, 30812), (757, 30842), (761, 30857), (786, 30908), (808, 30986), (810, 30995),

Gene: Vidya_19 Start: 16385, Stop: 18121, Start Num: 125

Candidate Starts for Vidya_19:

(Start: 106 @16361 has 2 MA's), (Start: 125 @16385 has 46 MA's), (175, 16445), (189, 16466), (190, 16469), (253, 16589), (265, 16628), (280, 16661), (295, 16685), (342, 16805), (353, 16844), (355, 16850), (385, 16934), (387, 16940), (390, 16952), (396, 16976), (403, 17003), (409, 17021), (429, 17060), (432, 17066), (440, 17090), (458, 17144), (461, 17156), (464, 17165), (479, 17225), (522, 17303), (533, 17342), (545, 17375), (568, 17441), (574, 17456), (578, 17465), (587, 17489), (597, 17519), (602, 17531), (656, 17633), (662, 17645), (663, 17648), (664, 17654), (665, 17663), (696, 17771), (719, 17855), (752, 17954), (800, 18062), (813, 18110),

Gene: Vine_19 Start: 16430, Stop: 18124, Start Num: 154

Candidate Starts for Vine_19:

(Start: 150 @16427 has 7 MA's), (Start: 154 @16430 has 33 MA's), (226, 16529), (Start: 244 @16571 has 1 MA's), (334, 16811), (362, 16898), (372, 16919), (375, 16928), (384, 16955), (398, 17000), (432, 17033), (437, 17048), (446, 17072), (454, 17105), (463, 17138), (467, 17150), (480, 17207), (516, 17255), (525, 17285), (535, 17315), (540, 17330), (555, 17378), (573, 17429), (587, 17465), (591, 17480), (599, 17498), (620, 17555), (622, 17564), (677, 17684), (679, 17696), (693, 17744), (706,

17795), (707, 17798), (713, 17816), (739, 17894), (748, 17921), (759, 17963), (810, 18110), (813, 18116),

Gene: *Violac_17* Start: 15353, Stop: 17062, Start Num: 129

Candidate Starts for *Violac_17*:

(Start: 129 @15353 has 207 MA's), (205, 15440), (219, 15461), (Start: 232 @15485 has 2 MA's), (242, 15509), (248, 15530), (279, 15614), (287, 15620), (294, 15638), (309, 15668), (347, 15773), (364, 15827), (367, 15833), (375, 15851), (376, 15854), (379, 15863), (387, 15887), (406, 15962), (411, 15974), (424, 15989), (425, 15995), (432, 16013), (437, 16028), (439, 16034), (447, 16055), (452, 16070), (457, 16085), (458, 16091), (469, 16139), (474, 16151), (475, 16157), (517, 16217), (520, 16229), (531, 16265), (533, 16277), (541, 16298), (565, 16352), (568, 16361), (575, 16379), (578, 16385), (590, 16415), (639, 16520), (645, 16532), (659, 16568), (670, 16604), (671, 16607), (680, 16646), (689, 16676), (706, 16745), (713, 16766), (723, 16799), (734, 16829), (743, 16859), (745, 16865), (746, 16868), (748, 16874), (757, 16889), (758, 16892), (764, 16913), (765, 16916), (790, 16958), (808, 17030), (809, 17036),

Gene: *ViviJ_20* Start: 17352, Stop: 19124, Start Num: 123

Candidate Starts for *ViviJ_20*:

(Start: 123 @17352 has 15 MA's), (127, 17358), (Start: 151 @17382 has 2 MA's), (177, 17415), (210, 17463), (237, 17517), (255, 17568), (280, 17631), (317, 17739), (358, 17847), (397, 17961), (398, 17964), (417, 18003), (433, 18018), (437, 18030), (439, 18036), (452, 18072), (454, 18078), (456, 18084), (467, 18123), (472, 18147), (517, 18249), (534, 18312), (604, 18492), (635, 18591), (670, 18669), (676, 18693), (678, 18699), (687, 18732), (707, 18810), (709, 18816), (764, 18969), (804, 19074), (805, 19077), (809, 19095),

Gene: *Vivum_16* Start: 14751, Stop: 16460, Start Num: 129

Candidate Starts for *Vivum_16*:

(Start: 129 @14751 has 207 MA's), (205, 14838), (Start: 232 @14883 has 2 MA's), (242, 14907), (279, 15012), (287, 15018), (294, 15036), (309, 15066), (347, 15171), (367, 15231), (375, 15249), (376, 15252), (379, 15261), (387, 15285), (432, 15411), (437, 15426), (439, 15432), (452, 15468), (453, 15471), (457, 15483), (458, 15489), (469, 15537), (474, 15549), (475, 15555), (517, 15615), (520, 15627), (531, 15663), (533, 15675), (565, 15750), (568, 15759), (575, 15777), (578, 15783), (590, 15813), (639, 15918), (645, 15930), (659, 15966), (680, 16044), (713, 16164), (723, 16197), (734, 16227), (737, 16239), (743, 16257), (745, 16263), (746, 16266), (748, 16272), (757, 16287), (758, 16290), (764, 16311), (765, 16314), (790, 16356), (797, 16386), (808, 16428), (809, 16434),

Gene: *Vordorf_22* Start: 18371, Stop: 20029, Start Num: 156

Candidate Starts for *Vordorf_22*:

(59, 18182), (74, 18242), (124, 18335), (Start: 156 @18371 has 2 MA's), (Start: 164 @18383 has 4 MA's), (237, 18497), (239, 18503), (266, 18581), (297, 18647), (299, 18653), (333, 18764), (339, 18773), (346, 18800), (348, 18806), (349, 18809), (355, 18830), (437, 19001), (438, 19004), (459, 19070), (464, 19085), (496, 19169), (511, 19178), (524, 19220), (531, 19241), (546, 19289), (550, 19301), (559, 19328), (587, 19397), (611, 19466), (622, 19499), (652, 19556), (677, 19607), (696, 19676), (709, 19727), (720, 19763), (725, 19778), (747, 19835), (750, 19844), (764, 19883), (783, 19922), (789, 19928),

Gene: *Vorrps_56* Start: 33517, Stop: 35253, Start Num: 109

Candidate Starts for *Vorrps_56*:

(Start: 104 @33508 has 2 MA's), (Start: 109 @33517 has 26 MA's), (Start: 184 @33607 has 1 MA's), (248, 33724), (258, 33760), (266, 33781), (279, 33808), (287, 33814), (298, 33844), (311, 33868), (329, 33919), (379, 34057), (381, 34063), (395, 34114), (396, 34117), (401, 34135), (432, 34186), (439, 34207), (440, 34210), (457, 34258), (458, 34264), (469, 34312), (472, 34318), (474, 34324), (507, 34384), (517, 34408), (518, 34411), (531, 34456), (534, 34471), (537, 34480), (541, 34489),

(557, 34534), (568, 34552), (582, 34585), (645, 34723), (654, 34744), (674, 34810), (681, 34840), (696, 34894), (706, 34936), (713, 34957), (719, 34978), (723, 34990), (730, 35011), (748, 35065), (786, 35143), (797, 35179), (803, 35200), (809, 35227),

Gene: Wachhund_16 Start: 14831, Stop: 16540, Start Num: 129

Candidate Starts for Wachhund_16:

(Start: 129 @14831 has 207 MA's), (205, 14918), (Start: 232 @14963 has 2 MA's), (242, 14987), (279, 15092), (287, 15098), (294, 15116), (309, 15146), (347, 15251), (367, 15311), (376, 15332), (379, 15341), (387, 15365), (432, 15491), (437, 15506), (439, 15512), (452, 15548), (453, 15551), (457, 15563), (458, 15569), (469, 15617), (474, 15629), (475, 15635), (517, 15695), (520, 15707), (531, 15743), (533, 15755), (565, 15830), (568, 15839), (575, 15857), (578, 15863), (590, 15893), (639, 15998), (643, 16007), (645, 16010), (659, 16046), (680, 16124), (706, 16223), (713, 16244), (723, 16277), (734, 16307), (743, 16337), (746, 16346), (748, 16352), (757, 16367), (758, 16370), (765, 16394), (782, 16424), (790, 16436), (797, 16466), (808, 16508),

Gene: Walrus_20 Start: 16873, Stop: 18519, Start Num: 171

Candidate Starts for Walrus_20:

(143, 16837), (Start: 171 @16873 has 46 MA's), (237, 16975), (262, 17053), (265, 17056), (309, 17152), (319, 17191), (354, 17272), (375, 17326), (380, 17341), (433, 17437), (458, 17512), (467, 17542), (541, 17725), (549, 17749), (571, 17800), (605, 17893), (612, 17905), (626, 17950), (631, 17965), (677, 18097), (678, 18100), (704, 18199), (709, 18217), (725, 18268), (748, 18328), (750, 18334), (772, 18397), (782, 18409),

Gene: Wamburgxpress_18 Start: 16759, Stop: 18528, Start Num: 98

Candidate Starts for Wamburgxpress_18:

(Start: 70 @16696 has 1 MA's), (80, 16717), (85, 16732), (Start: 98 @16759 has 41 MA's), (174, 16852), (Start: 207 @16900 has 1 MA's), (210, 16906), (236, 16933), (237, 16936), (239, 16942), (261, 17014), (266, 17023), (278, 17047), (285, 17062), (295, 17092), (344, 17218), (346, 17227), (352, 17248), (357, 17263), (382, 17332), (393, 17368), (404, 17389), (447, 17458), (458, 17497), (517, 17635), (520, 17647), (543, 17722), (545, 17728), (550, 17746), (563, 17785), (575, 17818), (579, 17827), (583, 17836), (586, 17845), (628, 17968), (638, 18004), (672, 18052), (675, 18064), (689, 18118), (715, 18214), (720, 18232), (722, 18238), (723, 18241), (736, 18274), (744, 18298), (764, 18361), (779, 18403), (794, 18442), (800, 18460), (805, 18481), (810, 18502),

Gene: Wanda_37 Start: 26916, Stop: 28914, Start Num: 131

Candidate Starts for Wanda_37:

(Start: 131 @26916 has 77 MA's), (Start: 203 @27006 has 47 MA's), (229, 27054), (242, 27084), (251, 27111), (295, 27213), (310, 27243), (325, 27294), (345, 27342), (355, 27378), (357, 27384), (365, 27405), (390, 27477), (393, 27486), (398, 27507), (439, 27615), (440, 27618), (446, 27633), (458, 27672), (469, 27720), (474, 27732), (475, 27738), (506, 27786), (511, 27795), (518, 27816), (522, 27834), (536, 27882), (575, 27984), (602, 28056), (615, 28101), (616, 28113), (617, 28248), (618, 28254), (619, 28278), (630, 28350), (637, 28377), (714, 28626),

Gene: Waterfoul_21 Start: 17516, Stop: 19288, Start Num: 123

Candidate Starts for Waterfoul_21:

(Start: 123 @17516 has 15 MA's), (127, 17522), (Start: 151 @17546 has 2 MA's), (177, 17579), (210, 17627), (237, 17681), (255, 17732), (280, 17795), (317, 17903), (358, 18011), (397, 18125), (398, 18128), (417, 18167), (433, 18182), (437, 18194), (439, 18200), (454, 18242), (456, 18248), (467, 18287), (472, 18311), (517, 18413), (534, 18476), (550, 18521), (604, 18656), (635, 18755), (670, 18833), (676, 18857), (678, 18863), (681, 18878), (707, 18974), (709, 18980), (764, 19133), (804, 19238), (805, 19241), (809, 19259),

Gene: Webster2_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Webster2_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574, 18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: Wee_17 Start: 15380, Stop: 17089, Start Num: 129

Candidate Starts for Wee_17:

(Start: 129 @15380 has 207 MA's), (205, 15467), (Start: 232 @15512 has 2 MA's), (242, 15536), (279, 15641), (287, 15647), (294, 15665), (309, 15695), (347, 15800), (367, 15860), (376, 15881), (379, 15890), (387, 15914), (432, 16040), (437, 16055), (439, 16061), (452, 16097), (453, 16100), (457, 16112), (458, 16118), (469, 16166), (474, 16178), (475, 16184), (517, 16244), (520, 16256), (531, 16292), (533, 16304), (565, 16379), (568, 16388), (575, 16406), (578, 16412), (590, 16442), (639, 16547), (643, 16556), (645, 16559), (659, 16595), (680, 16673), (706, 16772), (713, 16793), (723, 16826), (734, 16856), (743, 16886), (746, 16895), (748, 16901), (757, 16916), (758, 16919), (765, 16943), (782, 16973), (790, 16985), (797, 17015), (808, 17057),

Gene: Weirido19_19 Start: 16080, Stop: 17819, Start Num: 117

Candidate Starts for Weirido19_19:

(94, 16044), (Start: 117 @16080 has 41 MA's), (135, 16101), (138, 16104), (189, 16164), (193, 16170), (198, 16176), (213, 16200), (Start: 232 @16233 has 2 MA's), (262, 16326), (272, 16347), (309, 16446), (355, 16581), (358, 16587), (362, 16602), (373, 16626), (387, 16668), (437, 16758), (440, 16767), (463, 16839), (467, 16851), (468, 16854), (470, 16869), (483, 16920), (516, 16965), (524, 16995), (550, 17076), (587, 17163), (637, 17319), (644, 17325), (716, 17532), (746, 17616), (756, 17637), (761, 17655), (783, 17703), (803, 17763),

Gene: WelcomeAyanna_18 Start: 17806, Stop: 19404, Start Num: 167

Candidate Starts for WelcomeAyanna_18:

(49, 17509), (57, 17584), (58, 17605), (83, 17689), (Start: 167 @17806 has 53 MA's), (302, 18064), (309, 18082), (310, 18085), (327, 18139), (380, 18283), (385, 18304), (400, 18355), (410, 18391), (411, 18394), (456, 18427), (469, 18484), (553, 18661), (570, 18685), (584, 18721), (621, 18823), (637, 18880), (680, 18970), (750, 19210), (774, 19288),

Gene: Wendigo_18 Start: 16640, Stop: 18403, Start Num: 111

Candidate Starts for Wendigo_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Whack_18 Start: 17086, Stop: 18663, Start Num: 168

Candidate Starts for Whack_18:

(Start: 168 @17086 has 11 MA's), (245, 17212), (254, 17242), (352, 17488), (358, 17503), (385, 17578), (437, 17668), (438, 17671), (439, 17674), (458, 17734), (532, 17914), (602, 18070), (645, 18172), (650, 18184), (658, 18193), (689, 18286), (700, 18331), (706, 18352), (736, 18439), (803, 18616), (806, 18628), (810, 18646),

Gene: Whatsapiecost_16 Start: 14856, Stop: 16565, Start Num: 129

Candidate Starts for Whatsapiecost_16:

(Start: 129 @14856 has 207 MA's), (205, 14943), (Start: 232 @14988 has 2 MA's), (242, 15012), (279, 15117), (287, 15123), (294, 15141), (309, 15171), (347, 15276), (367, 15336), (376, 15357), (379, 15366), (387, 15390), (432, 15516), (437, 15531), (439, 15537), (452, 15573), (453, 15576), (457, 15588), (458, 15594), (469, 15642), (474, 15654), (475, 15660), (517, 15720), (520, 15732), (531, 15768), (533, 15780), (565, 15855), (568, 15864), (575, 15882), (578, 15888), (590, 15918), (639, 16023), (643, 16032), (645, 16035), (659, 16071), (680, 16149), (706, 16248), (713, 16269), (723, 16302), (734, 16332), (743, 16362), (746, 16371), (748, 16377), (757, 16392), (758, 16395), (765, 16419), (782, 16449), (790, 16461), (797, 16491), (808, 16533),

Gene: WheatThin_22 Start: 17344, Stop: 19050, Start Num: 172

Candidate Starts for WheatThin_22:

(Start: 106 @17269 has 2 MA's), (Start: 172 @17344 has 16 MA's), (Start: 232 @17437 has 2 MA's), (237, 17452), (239, 17458), (264, 17533), (296, 17605), (332, 17716), (348, 17761), (353, 17779), (358, 17791), (437, 17962), (440, 17971), (443, 17977), (454, 18010), (470, 18073), (483, 18124), (504, 18148), (516, 18172), (537, 18247), (551, 18286), (602, 18418), (637, 18532), (676, 18619), (706, 18733), (709, 18742), (746, 18847), (783, 18934), (817, 19042),

Gene: Wheezy_41 Start: 29808, Stop: 31421, Start Num: 178

Candidate Starts for Wheezy_41:

(Start: 178 @29808 has 37 MA's), (Start: 207 @29844 has 1 MA's), (216, 29862), (245, 29922), (338, 30162), (342, 30174), (346, 30189), (369, 30255), (375, 30270), (383, 30294), (384, 30297), (413, 30381), (438, 30411), (439, 30414), (458, 30471), (469, 30519), (471, 30522), (477, 30543), (531, 30648), (549, 30693), (567, 30735), (627, 30909), (636, 30939), (637, 30945), (691, 31053), (692, 31056), (713, 31131), (797, 31350), (813, 31407),

Gene: Whirlwind_20 Start: 17130, Stop: 18893, Start Num: 98

Candidate Starts for Whirlwind_20:

(Start: 98 @17130 has 41 MA's), (Start: 120 @17157 has 139 MA's), (174, 17220), (210, 17274), (239, 17310), (262, 17385), (278, 17415), (285, 17430), (299, 17472), (344, 17586), (347, 17598), (385, 17709), (455, 17853), (458, 17865), (543, 18087), (545, 18093), (563, 18150), (579, 18192), (583, 18201), (587, 18213), (613, 18288), (634, 18354), (638, 18369), (672, 18417), (689, 18483), (709, 18561), (723, 18606), (744, 18663), (764, 18726), (777, 18762), (785, 18777), (794, 18807), (796, 18813), (800, 18825), (802, 18834), (805, 18846),

Gene: Whiteclaw_17 Start: 14758, Stop: 16467, Start Num: 169

Candidate Starts for Whiteclaw_17:

(Start: 169 @14758 has 31 MA's), (238, 14875), (295, 15025), (309, 15064), (312, 15079), (340, 15148), (344, 15160), (370, 15238), (372, 15241), (410, 15373), (431, 15427), (455, 15508), (469, 15568), (472, 15574), (474, 15580), (529, 15661), (543, 15697), (556, 15733), (570, 15751), (585, 15790), (613, 15862), (621, 15886), (701, 16120), (705, 16135), (718, 16177), (749, 16270), (750, 16273), (764, 16321), (774, 16351),

Gene: Whitty_19 Start: 16980, Stop: 18686, Start Num: 133

Candidate Starts for Whitty_19:

(68, 16872), (75, 16884), (Start: 133 @16980 has 7 MA's), (188, 17046), (Start: 244 @17121 has 1 MA's), (246, 17127), (274, 17211), (296, 17265), (312, 17310), (313, 17313), (341, 17379), (458, 17664), (543, 17886), (607, 18075), (672, 18213), (675, 18225), (723, 18402), (736, 18438), (794, 18603), (802, 18630), (813, 18669), (815, 18675),

Gene: WhoseManz_43 Start: 27503, Stop: 29119, Start Num: 178

Candidate Starts for WhoseManz_43:

(Start: 178 @27503 has 37 MA's), (Start: 187 @27515 has 8 MA's), (Start: 207 @27539 has 1 MA's), (245, 27617), (313, 27800), (338, 27857), (342, 27869), (346, 27884), (369, 27950), (375, 27965), (383, 27989), (413, 28076), (428, 28082), (438, 28106), (458, 28166), (467, 28196), (471, 28217), (524, 28322), (531, 28343), (567, 28430), (586, 28478), (627, 28604), (637, 28640), (706, 28805), (712, 28823), (723, 28859), (793, 29033), (797, 29045), (813, 29102),

Gene: Whouxphf_16 Start: 14910, Stop: 16619, Start Num: 129

Candidate Starts for Whouxphf_16:

(Start: 129 @14910 has 207 MA's), (205, 14997), (219, 15018), (Start: 232 @15042 has 2 MA's), (242, 15066), (279, 15171), (287, 15177), (294, 15195), (309, 15225), (347, 15330), (367, 15390), (376, 15411), (379, 15420), (387, 15444), (396, 15480), (398, 15486), (401, 15498), (406, 15519), (425, 15552), (432, 15570), (437, 15585), (439, 15591), (452, 15627), (457, 15642), (458, 15648), (469, 15696), (474, 15708), (475, 15714), (517, 15774), (531, 15822), (533, 15834), (541, 15855), (565, 15909), (568, 15918), (575, 15936), (578, 15942), (590, 15972), (639, 16077), (645, 16089), (659, 16125), (680, 16203), (706, 16302), (713, 16323), (723, 16356), (734, 16386), (743, 16416), (745, 16422), (746, 16425), (748, 16431), (757, 16446), (758, 16449), (764, 16470), (765, 16473), (790, 16515), (808, 16587),

Gene: Widow_18 Start: 15130, Stop: 16746, Start Num: 160

Candidate Starts for Widow_18:

(Start: 160 @15130 has 11 MA's), (228, 15226), (295, 15394), (299, 15406), (318, 15457), (363, 15580), (422, 15697), (454, 15775), (474, 15850), (483, 15883), (532, 15976), (537, 15997), (583, 16114), (602, 16156), (605, 16174), (612, 16186), (613, 16189), (667, 16294), (670, 16300), (674, 16315), (689, 16372), (761, 16591), (801, 16690),

Gene: Wiggin_27 Start: 20250, Stop: 21929, Start Num: 137

Candidate Starts for Wiggin_27:

(Start: 137 @20250 has 79 MA's), (Start: 203 @20334 has 47 MA's), (Start: 244 @20412 has 1 MA's), (274, 20499), (287, 20514), (309, 20562), (321, 20601), (353, 20688), (365, 20721), (379, 20757), (388, 20787), (390, 20793), (409, 20862), (435, 20892), (438, 20904), (439, 20907), (458, 20964), (518, 21096), (519, 21102), (538, 21168), (541, 21174), (549, 21198), (568, 21246), (578, 21270), (582, 21279), (606, 21354), (643, 21405), (650, 21420), (698, 21582), (704, 21609), (713, 21639), (747, 21744), (786, 21822), (797, 21858), (800, 21867), (808, 21900), (813, 21915),

Gene: Wigglewiggles_18 Start: 17021, Stop: 18754, Start Num: 131

Candidate Starts for Wigglewiggles_18:

(Start: 131 @17021 has 77 MA's), (188, 17090), (261, 17231), (262, 17234), (285, 17279), (296, 17312), (299, 17321), (312, 17357), (334, 17411), (344, 17438), (347, 17450), (362, 17501), (365, 17507), (378, 17540), (451, 17693), (458, 17717), (460, 17726), (472, 17771), (476, 17786), (517, 17864), (553, 17984), (575, 18047), (601, 18119), (614, 18155), (670, 18275), (672, 18281), (675, 18293), (691, 18356), (715, 18443), (723, 18470), (748, 18539), (754, 18554), (757, 18566), (764, 18590), (794, 18668),

Gene: Wildcat_40 Start: 25260, Stop: 27644, Start Num: 17

Candidate Starts for Wildcat_40:

(Start: 17 @25260 has 5 MA's), (24, 25377), (25, 25398), (26, 25401), (30, 25431), (31, 25437), (33, 25446), (39, 25536), (42, 25572), (44, 25590), (45, 25617), (48, 25629), (51, 25638), (56, 25701), (60, 25737), (65, 25773), (66, 25776), (69, 25782), (102, 25854), (128, 25884), (185, 25953), (188, 25956), (236, 26043), (Start: 244 @26061 has 1 MA's), (245, 26064), (261, 26124), (280, 26163), (296, 26205), (299, 26214), (301, 26220), (309, 26235), (312, 26250), (331, 26298), (362, 26394), (379, 26436), (380, 26439), (458, 26616), (463, 26634), (468, 26649), (469, 26664), (476, 26685), (485, 26718), (496, 26727), (516, 26757), (528, 26796), (539, 26838), (543, 26850), (544, 26853), (563, 26913), (586, 26973), (601, 27018), (614, 27054), (635, 27120), (670, 27174), (672, 27180), (689, 27246),

(740, 27417), (750, 27441), (794, 27561), (801, 27582), (803, 27591), (813, 27627),

Gene: Wilder_18 Start: 16994, Stop: 18727, Start Num: 131

Candidate Starts for Wilder_18:

(Start: 131 @16994 has 77 MA's), (188, 17063), (261, 17204), (262, 17207), (285, 17252), (296, 17285), (299, 17294), (312, 17330), (334, 17384), (344, 17411), (347, 17423), (362, 17474), (365, 17480), (378, 17513), (451, 17666), (458, 17690), (460, 17699), (472, 17744), (476, 17759), (517, 17837), (553, 17957), (575, 18020), (601, 18092), (614, 18128), (670, 18248), (672, 18254), (675, 18266), (691, 18329), (715, 18416), (723, 18443), (748, 18512), (754, 18527), (757, 18539), (764, 18563), (794, 18641),

Gene: Wildflower_56 Start: 33020, Stop: 34765, Start Num: 104

Candidate Starts for Wildflower_56:

(Start: 104 @33020 has 2 MA's), (Start: 109 @33029 has 26 MA's), (Start: 184 @33119 has 1 MA's), (248, 33236), (258, 33272), (266, 33293), (279, 33320), (287, 33326), (298, 33356), (311, 33380), (329, 33431), (379, 33569), (381, 33575), (395, 33626), (396, 33629), (401, 33647), (432, 33698), (439, 33719), (440, 33722), (452, 33755), (457, 33770), (458, 33776), (469, 33824), (472, 33830), (474, 33836), (507, 33896), (517, 33920), (518, 33923), (531, 33968), (534, 33983), (537, 33992), (541, 34001), (557, 34046), (568, 34064), (582, 34097), (645, 34235), (654, 34256), (674, 34322), (681, 34352), (696, 34406), (706, 34448), (713, 34469), (719, 34490), (723, 34502), (730, 34523), (748, 34577), (786, 34655), (797, 34691), (803, 34712), (809, 34739),

Gene: WillSterrel_17 Start: 16164, Stop: 17873, Start Num: 129

Candidate Starts for WillSterrel_17:

(Start: 129 @16164 has 207 MA's), (205, 16251), (Start: 232 @16296 has 2 MA's), (242, 16320), (279, 16425), (287, 16431), (294, 16449), (309, 16479), (347, 16584), (367, 16644), (376, 16665), (379, 16674), (387, 16698), (396, 16734), (398, 16740), (406, 16773), (407, 16776), (411, 16785), (424, 16800), (425, 16806), (432, 16824), (437, 16839), (439, 16845), (446, 16863), (447, 16866), (452, 16881), (457, 16896), (458, 16902), (469, 16950), (474, 16962), (475, 16968), (517, 17028), (520, 17040), (531, 17076), (533, 17088), (565, 17163), (568, 17172), (575, 17190), (578, 17196), (590, 17226), (639, 17331), (645, 17343), (659, 17379), (680, 17457), (713, 17577), (723, 17610), (734, 17640), (737, 17652), (743, 17670), (745, 17676), (746, 17679), (748, 17685), (757, 17700), (758, 17703), (764, 17724), (765, 17727), (790, 17769), (797, 17799), (808, 17841), (809, 17847),

Gene: Willez_23 Start: 19334, Stop: 20929, Start Num: 203

Candidate Starts for Willez_23:

(Start: 137 @19250 has 79 MA's), (Start: 203 @19334 has 47 MA's), (Start: 244 @19412 has 1 MA's), (274, 19499), (287, 19514), (309, 19562), (321, 19601), (353, 19688), (365, 19721), (379, 19757), (388, 19787), (390, 19793), (409, 19862), (435, 19892), (438, 19904), (439, 19907), (458, 19964), (518, 20096), (519, 20102), (538, 20168), (541, 20174), (549, 20198), (568, 20246), (578, 20270), (582, 20279), (606, 20354), (643, 20405), (650, 20420), (698, 20582), (704, 20609), (713, 20639), (747, 20744), (786, 20822), (797, 20858), (800, 20867), (808, 20900), (813, 20915),

Gene: William_19 Start: 16689, Stop: 18338, Start Num: 171

Candidate Starts for William_19:

(4, 15642), (5, 15687), (6, 15711), (7, 15717), (9, 15825), (10, 15873), (13, 15945), (18, 16020), (28, 16158), (32, 16188), (33, 16194), (43, 16326), (50, 16383), (52, 16392), (79, 16551), (143, 16653), (Start: 171 @16689 has 46 MA's), (237, 16794), (262, 16872), (294, 16932), (298, 16944), (299, 16947), (309, 16971), (341, 17046), (375, 17145), (380, 17160), (427, 17244), (433, 17256), (436, 17265), (437, 17268), (444, 17289), (458, 17331), (467, 17361), (541, 17544), (549, 17568), (571, 17619), (605, 17712), (612, 17724), (631, 17784), (678, 17919), (702, 18012), (704, 18018), (709, 18036), (725, 18087), (748, 18147), (750, 18153), (782, 18228),

Gene: WilliamBoone_48 Start: 28921, Stop: 30612, Start Num: 152

Candidate Starts for WilliamBoone_48:

(Start: 152 @28921 has 16 MA's), (193, 28981), (214, 29014), (233, 29047), (236, 29056), (262, 29137), (266, 29143), (299, 29215), (346, 29338), (348, 29344), (363, 29392), (387, 29455), (458, 29605), (459, 29611), (467, 29635), (524, 29764), (531, 29785), (567, 29905), (605, 30016), (622, 30058), (662, 30130), (678, 30169), (704, 30268), (707, 30280), (710, 30289), (740, 30373), (807, 30556),

Gene: Willsammy_19 Start: 16277, Stop: 18013, Start Num: 125

Candidate Starts for Willsammy_19:

(Start: 106 @16253 has 2 MA's), (Start: 125 @16277 has 46 MA's), (175, 16337), (189, 16358), (190, 16361), (253, 16481), (265, 16520), (280, 16553), (295, 16577), (342, 16697), (353, 16736), (355, 16742), (385, 16826), (387, 16832), (390, 16844), (396, 16868), (403, 16895), (409, 16913), (429, 16952), (432, 16958), (440, 16982), (458, 17036), (461, 17048), (464, 17057), (479, 17117), (522, 17195), (533, 17234), (545, 17267), (568, 17333), (574, 17348), (578, 17357), (587, 17381), (597, 17411), (602, 17423), (656, 17525), (662, 17537), (663, 17540), (664, 17546), (665, 17555), (696, 17663), (719, 17747), (752, 17846), (800, 17954), (813, 18002),

Gene: Winget_57 Start: 33735, Stop: 35471, Start Num: 109

Candidate Starts for Winget_57:

(Start: 104 @33726 has 2 MA's), (Start: 109 @33735 has 26 MA's), (Start: 184 @33825 has 1 MA's), (248, 33942), (258, 33978), (266, 33999), (279, 34026), (287, 34032), (298, 34062), (311, 34086), (329, 34137), (379, 34275), (381, 34281), (395, 34332), (396, 34335), (401, 34353), (432, 34404), (439, 34425), (440, 34428), (457, 34476), (458, 34482), (469, 34530), (472, 34536), (474, 34542), (507, 34602), (517, 34626), (518, 34629), (531, 34674), (534, 34689), (537, 34698), (541, 34707), (557, 34752), (568, 34770), (582, 34803), (645, 34941), (654, 34962), (674, 35028), (681, 35058), (696, 35112), (706, 35154), (713, 35175), (719, 35196), (723, 35208), (730, 35229), (748, 35283), (786, 35361), (797, 35397), (803, 35418), (809, 35445),

Gene: WinkNick_20 Start: 17322, Stop: 18902, Start Num: 167

Candidate Starts for WinkNick_20:

(83, 17205), (Start: 167 @17322 has 53 MA's), (302, 17580), (310, 17601), (327, 17655), (344, 17694), (361, 17751), (370, 17772), (456, 17943), (460, 17961), (468, 17985), (472, 18006), (513, 18048), (543, 18129), (584, 18219), (602, 18264), (621, 18321), (622, 18324), (637, 18378), (680, 18468), (761, 18747), (764, 18756), (774, 18786),

Gene: Winky_18 Start: 16989, Stop: 18722, Start Num: 131

Candidate Starts for Winky_18:

(Start: 131 @16989 has 77 MA's), (188, 17058), (261, 17199), (262, 17202), (285, 17247), (296, 17280), (299, 17289), (312, 17325), (334, 17379), (344, 17406), (347, 17418), (362, 17469), (365, 17475), (378, 17508), (451, 17661), (458, 17685), (460, 17694), (472, 17739), (476, 17754), (517, 17832), (553, 17952), (575, 18015), (601, 18087), (614, 18123), (670, 18243), (672, 18249), (675, 18261), (691, 18324), (715, 18411), (723, 18438), (748, 18507), (754, 18522), (757, 18534), (764, 18558), (794, 18636),

Gene: Wintermute_24 Start: 18622, Stop: 20409, Start Num: 120

Candidate Starts for Wintermute_24:

(Start: 95 @18583 has 1 MA's), (Start: 111 @18613 has 26 MA's), (Start: 117 @18619 has 41 MA's), (Start: 120 @18622 has 139 MA's), (Start: 145 @18637 has 2 MA's), (177, 18679), (210, 18727), (Start: 232 @18766 has 2 MA's), (237, 18781), (245, 18799), (255, 18832), (265, 18862), (287, 18907), (295, 18925), (315, 18997), (317, 19003), (330, 19033), (332, 19036), (353, 19099), (358, 19111), (407, 19246), (416, 19264), (437, 19294), (439, 19300), (446, 19318), (456, 19348), (467, 19387), (517, 19513), (534, 19576), (604, 19777), (622, 19831), (635, 19876), (655, 19921), (666, 19945),

(676, 19978), (685, 20011), (704, 20083), (707, 20095), (723, 20146), (725, 20152), (764, 20254), (809, 20380), (817, 20401),

Gene: Wishmaker_22 Start: 17406, Stop: 19148, Start Num: 117

Candidate Starts for Wishmaker_22:

(Start: 117 @17406 has 41 MA's), (Start: 125 @17415 has 46 MA's), (161, 17457), (198, 17508), (213, 17532), (220, 17544), (Start: 232 @17565 has 2 MA's), (237, 17580), (245, 17598), (255, 17631), (262, 17658), (295, 17730), (320, 17820), (352, 17904), (355, 17913), (362, 17934), (387, 18000), (396, 18027), (413, 18060), (433, 18078), (440, 18099), (446, 18114), (447, 18117), (467, 18183), (468, 18186), (483, 18252), (497, 18264), (504, 18273), (507, 18276), (534, 18363), (553, 18417), (574, 18462), (577, 18468), (603, 18540), (613, 18570), (622, 18597), (633, 18633), (635, 18642), (676, 18720), (716, 18864), (721, 18882), (725, 18894), (731, 18909), (733, 18912), (742, 18933), (746, 18945), (764, 18993), (776, 19026), (805, 19101), (809, 19119), (817, 19140),

Gene: Wisp_18 Start: 16363, Stop: 18009, Start Num: 171

Candidate Starts for Wisp_18:

(143, 16327), (Start: 171 @16363 has 46 MA's), (237, 16465), (262, 16543), (265, 16546), (309, 16642), (319, 16681), (348, 16741), (354, 16762), (375, 16816), (380, 16831), (458, 17002), (467, 17032), (541, 17215), (549, 17239), (571, 17290), (605, 17383), (612, 17395), (626, 17440), (631, 17455), (677, 17587), (678, 17590), (704, 17689), (709, 17707), (725, 17758), (750, 17824), (772, 17887), (782, 17899),

Gene: Wocket_20 Start: 16837, Stop: 18483, Start Num: 171

Candidate Starts for Wocket_20:

(143, 16801), (Start: 171 @16837 has 46 MA's), (237, 16939), (262, 17017), (309, 17116), (319, 17155), (344, 17200), (354, 17236), (375, 17290), (380, 17305), (390, 17338), (427, 17389), (458, 17476), (467, 17506), (541, 17689), (549, 17713), (605, 17857), (612, 17869), (631, 17929), (677, 18061), (678, 18064), (704, 18163), (709, 18181), (725, 18232), (748, 18292), (750, 18298), (772, 18361), (782, 18373),

Gene: Wogge42_55 Start: 33176, Stop: 34912, Start Num: 109

Candidate Starts for Wogge42_55:

(Start: 104 @33167 has 2 MA's), (Start: 109 @33176 has 26 MA's), (Start: 184 @33266 has 1 MA's), (248, 33383), (258, 33419), (266, 33440), (279, 33467), (287, 33473), (298, 33503), (311, 33527), (329, 33578), (379, 33716), (381, 33722), (395, 33773), (396, 33776), (401, 33794), (432, 33845), (439, 33866), (440, 33869), (457, 33917), (458, 33923), (469, 33971), (472, 33977), (474, 33983), (507, 34043), (517, 34067), (518, 34070), (531, 34115), (534, 34130), (537, 34139), (541, 34148), (557, 34193), (568, 34211), (582, 34244), (645, 34382), (654, 34403), (674, 34469), (681, 34499), (696, 34553), (706, 34595), (713, 34616), (719, 34637), (723, 34649), (730, 34670), (748, 34724), (786, 34802), (797, 34838), (803, 34859), (809, 34886),

Gene: Wrigley_20 Start: 17427, Stop: 19133, Start Num: 147

Candidate Starts for Wrigley_20:

(Start: 125 @17403 has 46 MA's), (Start: 147 @17427 has 24 MA's), (224, 17532), (Start: 244 @17574 has 1 MA's), (271, 17649), (313, 17763), (362, 17910), (365, 17916), (451, 18099), (471, 18174), (586, 18456), (592, 18477), (620, 18552), (657, 18639), (672, 18675), (679, 18708), (681, 18714), (699, 18780), (707, 18810), (757, 18966), (759, 18972), (764, 18990), (806, 19101),

Gene: Wyatt2_18 Start: 16746, Stop: 18515, Start Num: 98

Candidate Starts for Wyatt2_18:

(Start: 70 @16683 has 1 MA's), (80, 16704), (85, 16719), (Start: 98 @16746 has 41 MA's), (174, 16839), (Start: 207 @16887 has 1 MA's), (210, 16893), (236, 16920), (237, 16923), (239, 16929), (261, 17001), (266, 17010), (278, 17034), (285, 17049), (295, 17079), (344, 17205), (346, 17214), (352,

17235), (357, 17250), (382, 17319), (393, 17355), (404, 17376), (447, 17445), (458, 17484), (517, 17622), (520, 17634), (543, 17709), (545, 17715), (550, 17733), (563, 17772), (575, 17805), (579, 17814), (583, 17823), (586, 17832), (587, 17835), (628, 17955), (638, 17991), (672, 18039), (675, 18051), (689, 18105), (715, 18201), (720, 18219), (722, 18225), (723, 18228), (736, 18261), (744, 18285), (764, 18348), (779, 18390), (794, 18429), (800, 18447), (805, 18468), (810, 18489),

Gene: XFactor_16 Start: 14812, Stop: 16521, Start Num: 129

Candidate Starts for XFactor_16:

(Start: 129 @14812 has 207 MA's), (205, 14899), (Start: 232 @14944 has 2 MA's), (242, 14968), (279, 15073), (287, 15079), (294, 15097), (309, 15127), (347, 15232), (367, 15292), (376, 15313), (379, 15322), (387, 15346), (432, 15472), (437, 15487), (439, 15493), (452, 15529), (453, 15532), (457, 15544), (458, 15550), (469, 15598), (474, 15610), (475, 15616), (517, 15676), (520, 15688), (531, 15724), (533, 15736), (565, 15811), (568, 15820), (575, 15838), (578, 15844), (590, 15874), (639, 15979), (645, 15991), (659, 16027), (680, 16105), (706, 16204), (713, 16225), (723, 16258), (734, 16288), (743, 16318), (746, 16327), (748, 16333), (757, 16348), (758, 16351), (765, 16375), (782, 16405), (790, 16417), (797, 16447), (808, 16489),

Gene: Xandras_26 Start: 19820, Stop: 21415, Start Num: 203

Candidate Starts for Xandras_26:

(Start: 137 @19736 has 79 MA's), (Start: 203 @19820 has 47 MA's), (Start: 244 @19898 has 1 MA's), (274, 19985), (287, 20000), (309, 20048), (321, 20087), (353, 20174), (365, 20207), (379, 20243), (388, 20273), (390, 20279), (409, 20348), (435, 20378), (438, 20390), (439, 20393), (458, 20450), (518, 20582), (519, 20588), (538, 20654), (541, 20660), (549, 20684), (568, 20732), (578, 20756), (582, 20765), (606, 20840), (643, 20891), (650, 20906), (698, 21068), (704, 21095), (713, 21125), (747, 21230), (786, 21308), (797, 21344), (800, 21353), (808, 21386), (813, 21401),

Gene: Xavia_19 Start: 16389, Stop: 18125, Start Num: 125

Candidate Starts for Xavia_19:

(Start: 106 @16365 has 2 MA's), (Start: 125 @16389 has 46 MA's), (175, 16449), (189, 16470), (190, 16473), (251, 16587), (253, 16593), (265, 16632), (280, 16665), (295, 16689), (342, 16809), (353, 16848), (355, 16854), (385, 16938), (387, 16944), (390, 16956), (396, 16980), (409, 17025), (429, 17064), (432, 17070), (440, 17094), (458, 17148), (461, 17160), (464, 17169), (479, 17229), (522, 17307), (533, 17346), (545, 17379), (568, 17445), (574, 17460), (578, 17469), (587, 17493), (597, 17523), (602, 17535), (656, 17637), (662, 17649), (663, 17652), (664, 17658), (665, 17667), (696, 17775), (719, 17859), (752, 17958), (800, 18066), (813, 18114),

Gene: Xeno_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Xeno_18:

(Start: 134 @14986 has 43 MA's), (161, 15013), (Start: 232 @15118 has 2 MA's), (236, 15130), (249, 15166), (265, 15217), (279, 15247), (287, 15253), (297, 15280), (299, 15286), (347, 15406), (364, 15460), (367, 15466), (375, 15484), (379, 15496), (380, 15499), (387, 15520), (398, 15562), (406, 15595), (432, 15646), (437, 15661), (452, 15703), (457, 15718), (458, 15724), (469, 15772), (477, 15796), (493, 15826), (517, 15850), (533, 15910), (537, 15922), (557, 15976), (565, 15985), (589, 16045), (590, 16048), (639, 16153), (643, 16162), (659, 16201), (697, 16339), (742, 16489), (743, 16492), (746, 16501), (757, 16522), (765, 16549), (786, 16585), (813, 16678),

Gene: Xerxes_18 Start: 14986, Stop: 16695, Start Num: 134

Candidate Starts for Xerxes_18:

(Start: 134 @14986 has 43 MA's), (161, 15013), (Start: 232 @15118 has 2 MA's), (236, 15130), (249, 15166), (265, 15217), (279, 15247), (287, 15253), (297, 15280), (299, 15286), (347, 15406), (364, 15460), (367, 15466), (375, 15484), (379, 15496), (380, 15499), (387, 15520), (398, 15562), (406, 15595), (432, 15646), (437, 15661), (452, 15703), (457, 15718), (458, 15724), (469, 15772), (477, 15796), (493, 15826), (517, 15850), (533, 15910), (537, 15922), (557, 15976), (565, 15985), (589,

16045), (590, 16048), (639, 16153), (643, 16162), (659, 16201), (697, 16339), (742, 16489), (743, 16492), (746, 16501), (757, 16522), (765, 16549), (786, 16585), (813, 16678),

Gene: Ximenita_23 Start: 16499, Stop: 18265, Start Num: 120

Candidate Starts for Ximenita_23:

(Start: 111 @16490 has 26 MA's), (Start: 120 @16499 has 139 MA's), (Start: 148 @16529 has 2 MA's), (Start: 232 @16655 has 2 MA's), (237, 16670), (245, 16688), (255, 16721), (265, 16751), (287, 16796), (315, 16886), (330, 16922), (358, 17000), (360, 17009), (397, 17114), (398, 17117), (437, 17183), (439, 17189), (454, 17231), (456, 17237), (521, 17420), (540, 17480), (564, 17537), (583, 17582), (587, 17594), (604, 17642), (635, 17741), (666, 17801), (677, 17837), (688, 17876), (707, 17951), (723, 18002), (725, 18008), (809, 18236), (810, 18239), (817, 18257),

Gene: Xula_18 Start: 16123, Stop: 17856, Start Num: 139

Candidate Starts for Xula_18:

(Start: 139 @16123 has 6 MA's), (218, 16222), (223, 16231), (249, 16297), (256, 16321), (280, 16381), (287, 16384), (297, 16411), (364, 16591), (375, 16615), (379, 16627), (387, 16651), (432, 16777), (437, 16792), (440, 16801), (453, 16837), (458, 16855), (557, 17107), (565, 17116), (578, 17149), (643, 17293), (662, 17338), (689, 17440), (691, 17449), (696, 17467), (697, 17470), (725, 17569), (743, 17629), (749, 17647), (757, 17683), (761, 17698), (786, 17746), (806, 17815),

Gene: Y10_24 Start: 18637, Stop: 20409, Start Num: 145

Candidate Starts for Y10_24:

(Start: 95 @18583 has 1 MA's), (Start: 111 @18613 has 26 MA's), (Start: 117 @18619 has 41 MA's), (Start: 120 @18622 has 139 MA's), (Start: 145 @18637 has 2 MA's), (177, 18679), (210, 18727), (Start: 232 @18766 has 2 MA's), (237, 18781), (245, 18799), (255, 18832), (265, 18862), (287, 18907), (295, 18925), (315, 18997), (317, 19003), (330, 19033), (332, 19036), (353, 19099), (358, 19111), (407, 19246), (416, 19264), (437, 19294), (439, 19300), (446, 19318), (456, 19348), (467, 19387), (517, 19513), (534, 19576), (604, 19777), (622, 19831), (635, 19876), (655, 19921), (666, 19945), (676, 19978), (685, 20011), (704, 20083), (707, 20095), (723, 20146), (725, 20152), (764, 20254), (809, 20380), (817, 20401),

Gene: Y2_24 Start: 18637, Stop: 20409, Start Num: 145

Candidate Starts for Y2_24:

(Start: 95 @18583 has 1 MA's), (Start: 111 @18613 has 26 MA's), (Start: 117 @18619 has 41 MA's), (Start: 120 @18622 has 139 MA's), (Start: 145 @18637 has 2 MA's), (177, 18679), (210, 18727), (Start: 232 @18766 has 2 MA's), (237, 18781), (245, 18799), (255, 18832), (265, 18862), (287, 18907), (295, 18925), (315, 18997), (317, 19003), (330, 19033), (332, 19036), (353, 19099), (358, 19111), (407, 19246), (416, 19264), (437, 19294), (439, 19300), (446, 19318), (456, 19348), (467, 19387), (517, 19513), (534, 19576), (604, 19777), (622, 19831), (635, 19876), (655, 19921), (666, 19945), (676, 19978), (685, 20011), (704, 20083), (707, 20095), (723, 20146), (725, 20152), (764, 20254), (809, 20380), (817, 20401),

Gene: Yarn_17 Start: 15391, Stop: 17088, Start Num: 154

Candidate Starts for Yarn_17:

(Start: 150 @15388 has 7 MA's), (Start: 154 @15391 has 33 MA's), (226, 15493), (Start: 232 @15505 has 2 MA's), (265, 15601), (301, 15685), (334, 15775), (353, 15835), (362, 15862), (375, 15892), (376, 15895), (398, 15964), (432, 15997), (436, 16009), (437, 16012), (444, 16033), (446, 16036), (463, 16102), (467, 16114), (535, 16279), (587, 16429), (591, 16444), (599, 16462), (620, 16519), (679, 16660), (681, 16666), (685, 16678), (688, 16687), (706, 16759), (707, 16762), (709, 16768), (713, 16780), (748, 16885), (751, 16894), (759, 16927),

Gene: YassJohnny_25 Start: 20345, Stop: 21940, Start Num: 203

Candidate Starts for YassJohnny_25:

(Start: 137 @20261 has 79 MA's), (Start: 203 @20345 has 47 MA's), (Start: 244 @20423 has 1 MA's), (274, 20510), (287, 20525), (309, 20573), (321, 20612), (353, 20699), (365, 20732), (379, 20768), (388, 20798), (390, 20804), (409, 20873), (435, 20903), (438, 20915), (439, 20918), (458, 20975), (518, 21107), (519, 21113), (538, 21179), (541, 21185), (549, 21209), (568, 21257), (578, 21281), (582, 21290), (606, 21365), (643, 21416), (650, 21431), (698, 21593), (704, 21620), (713, 21650), (747, 21755), (786, 21833), (797, 21869), (800, 21878), (808, 21911), (813, 21926),

Gene: Yeet412_17 Start: 14751, Stop: 16460, Start Num: 169

Candidate Starts for Yeet412_17:

(77, 14616), (Start: 169 @14751 has 31 MA's), (260, 14940), (261, 14943), (295, 15018), (312, 15072), (340, 15141), (344, 15153), (370, 15231), (372, 15234), (410, 15366), (431, 15420), (445, 15471), (455, 15501), (469, 15561), (474, 15573), (513, 15609), (556, 15726), (570, 15744), (585, 15783), (621, 15879), (671, 15987), (749, 16263), (750, 16266), (764, 16314), (774, 16344),

Gene: Yeezy_20 Start: 17119, Stop: 18717, Start Num: 167

Candidate Starts for Yeezy_20:

(Start: 167 @17119 has 53 MA's), (302, 17377), (309, 17395), (310, 17398), (327, 17452), (354, 17527), (380, 17596), (381, 17605), (385, 17617), (388, 17629), (400, 17668), (406, 17695), (410, 17704), (411, 17707), (456, 17740), (469, 17797), (513, 17863), (553, 17974), (584, 18034), (621, 18136), (637, 18193), (680, 18283), (750, 18523), (774, 18601),

Gene: Yndexa_43 Start: 29457, Stop: 31073, Start Num: 178

Candidate Starts for Yndexa_43:

(Start: 178 @29457 has 37 MA's), (Start: 184 @29466 has 1 MA's), (Start: 187 @29469 has 8 MA's), (Start: 207 @29493 has 1 MA's), (245, 29571), (313, 29754), (338, 29811), (342, 29823), (346, 29838), (369, 29904), (375, 29919), (383, 29943), (413, 30030), (428, 30036), (438, 30060), (458, 30120), (467, 30150), (471, 30171), (524, 30276), (531, 30297), (567, 30384), (586, 30432), (627, 30558), (637, 30594), (706, 30759), (712, 30777), (723, 30813), (793, 30987), (797, 30999), (813, 31056),

Gene: Yorick_16 Start: 14811, Stop: 16520, Start Num: 129

Candidate Starts for Yorick_16:

(Start: 129 @14811 has 207 MA's), (205, 14898), (Start: 232 @14943 has 2 MA's), (242, 14967), (279, 15072), (287, 15078), (294, 15096), (309, 15126), (347, 15231), (364, 15285), (367, 15291), (371, 15300), (379, 15321), (387, 15345), (396, 15381), (398, 15387), (406, 15420), (407, 15423), (411, 15432), (424, 15447), (425, 15453), (432, 15471), (437, 15486), (439, 15492), (446, 15510), (447, 15513), (452, 15528), (457, 15543), (458, 15549), (469, 15597), (474, 15609), (475, 15615), (517, 15675), (520, 15687), (531, 15723), (533, 15735), (565, 15810), (568, 15819), (575, 15837), (578, 15843), (590, 15873), (639, 15978), (645, 15990), (659, 16026), (680, 16104), (713, 16224), (723, 16257), (734, 16287), (737, 16299), (743, 16317), (745, 16323), (746, 16326), (748, 16332), (757, 16347), (758, 16350), (764, 16371), (765, 16374), (790, 16416), (797, 16446), (808, 16488), (809, 16494),

Gene: Youngblood_24 Start: 19998, Stop: 21593, Start Num: 203

Candidate Starts for Youngblood_24:

(Start: 137 @19914 has 79 MA's), (Start: 203 @19998 has 47 MA's), (Start: 244 @20076 has 1 MA's), (274, 20163), (287, 20178), (309, 20226), (321, 20265), (353, 20352), (365, 20385), (379, 20421), (388, 20451), (390, 20457), (409, 20526), (435, 20556), (438, 20568), (439, 20571), (458, 20628), (518, 20760), (519, 20766), (538, 20832), (541, 20838), (549, 20862), (568, 20910), (578, 20934), (582, 20943), (606, 21018), (643, 21069), (650, 21084), (698, 21246), (704, 21273), (713, 21303), (747, 21408), (786, 21486), (797, 21522), (800, 21531), (808, 21564), (813, 21579),

Gene: YoureAdopted_22 Start: 17124, Stop: 18890, Start Num: 120

Candidate Starts for YoureAdopted_22:

(Start: 120 @17124 has 139 MA's), (Start: 148 @17154 has 2 MA's), (245, 17313), (255, 17346), (265, 17376), (280, 17409), (287, 17421), (315, 17511), (333, 17553), (358, 17625), (360, 17634), (376, 17673), (390, 17718), (397, 17739), (398, 17742), (433, 17796), (439, 17814), (454, 17856), (456, 17862), (463, 17889), (517, 18027), (521, 18045), (533, 18087), (540, 18105), (551, 18135), (564, 18162), (604, 18267), (666, 18426), (677, 18462), (685, 18492), (688, 18501), (707, 18576), (723, 18627), (800, 18822), (809, 18861), (810, 18864), (817, 18882),

Gene: Yucky_20 Start: 16287, Stop: 17984, Start Num: 150

Candidate Starts for Yucky_20:

(Start: 150 @16287 has 7 MA's), (Start: 154 @16290 has 33 MA's), (226, 16389), (Start: 244 @16431 has 1 MA's), (334, 16671), (362, 16758), (372, 16779), (375, 16788), (384, 16815), (398, 16860), (432, 16893), (437, 16908), (446, 16932), (454, 16965), (463, 16998), (467, 17010), (480, 17067), (500, 17097), (516, 17115), (525, 17145), (535, 17175), (555, 17238), (573, 17289), (587, 17325), (591, 17340), (599, 17358), (620, 17415), (622, 17424), (677, 17544), (679, 17556), (693, 17604), (706, 17655), (707, 17658), (713, 17676), (739, 17754), (748, 17781), (759, 17823), (810, 17970), (813, 17976),

Gene: Yummy_19 Start: 15276, Stop: 16973, Start Num: 154

Candidate Starts for Yummy_19:

(Start: 125 @15246 has 46 MA's), (Start: 150 @15273 has 7 MA's), (Start: 154 @15276 has 33 MA's), (265, 15486), (331, 15654), (334, 15660), (372, 15768), (384, 15804), (393, 15834), (398, 15849), (432, 15882), (436, 15894), (448, 15930), (463, 15987), (467, 15999), (520, 16119), (527, 16140), (535, 16164), (587, 16314), (591, 16329), (599, 16347), (620, 16404), (677, 16533), (679, 16545), (685, 16563), (688, 16572), (706, 16644), (707, 16647), (709, 16653), (713, 16665), (748, 16770), (751, 16779), (759, 16812), (805, 16938),

Gene: Yuna_24 Start: 16985, Stop: 18808, Start Num: 86

Candidate Starts for Yuna_24:

(Start: 86 @16985 has 4 MA's), (100, 17015), (Start: 168 @17099 has 11 MA's), (Start: 232 @17198 has 2 MA's), (237, 17213), (245, 17231), (255, 17264), (287, 17339), (315, 17429), (330, 17465), (360, 17552), (376, 17591), (390, 17636), (398, 17660), (416, 17696), (417, 17699), (433, 17714), (439, 17732), (452, 17768), (456, 17780), (463, 17807), (521, 17963), (540, 18023), (583, 18125), (604, 18185), (628, 18260), (635, 18284), (666, 18344), (677, 18380), (681, 18398), (688, 18419), (707, 18494), (723, 18545), (725, 18551), (733, 18572), (809, 18779), (810, 18782), (817, 18800),

Gene: YungJamal_61 Start: 34927, Stop: 36663, Start Num: 109

Candidate Starts for YungJamal_61:

(Start: 104 @34918 has 2 MA's), (Start: 109 @34927 has 26 MA's), (Start: 184 @35017 has 1 MA's), (248, 35134), (258, 35170), (266, 35191), (279, 35218), (287, 35224), (298, 35254), (311, 35278), (329, 35329), (379, 35467), (381, 35473), (395, 35524), (396, 35527), (401, 35545), (432, 35596), (439, 35617), (440, 35620), (457, 35668), (458, 35674), (469, 35722), (472, 35728), (474, 35734), (507, 35794), (517, 35818), (518, 35821), (531, 35866), (534, 35881), (537, 35890), (541, 35899), (557, 35944), (568, 35962), (582, 35995), (645, 36133), (654, 36154), (674, 36220), (681, 36250), (696, 36304), (706, 36346), (713, 36367), (719, 36388), (723, 36400), (730, 36421), (748, 36475), (786, 36553), (797, 36589), (803, 36610), (809, 36637),

Gene: Yunkel11_23 Start: 16380, Stop: 18146, Start Num: 120

Candidate Starts for Yunkel11_23:

(Start: 120 @16380 has 139 MA's), (Start: 125 @16386 has 46 MA's), (Start: 148 @16410 has 2 MA's), (245, 16569), (255, 16602), (265, 16632), (266, 16635), (280, 16665), (287, 16677), (315, 16767), (333, 16809), (358, 16881), (360, 16890), (376, 16929), (390, 16974), (397, 16995), (398, 16998), (439, 17070), (454, 17112), (456, 17118), (463, 17145), (517, 17283), (521, 17301), (533, 17343), (540, 17361), (551, 17391), (604, 17523), (633, 17613), (677, 17718), (685, 17748), (707,

17832), (723, 17883), (761, 17982), (800, 18078), (809, 18117), (810, 18120), (817, 18138),

Gene: Yvonnetastic_45 Start: 30515, Stop: 32209, Start Num: 146

Candidate Starts for Yvonnetastic_45:

(Start: 146 @30515 has 2 MA's), (193, 30581), (198, 30587), (233, 30644), (296, 30803), (300, 30815), (348, 30941), (363, 30989), (437, 31139), (455, 31190), (458, 31202), (459, 31208), (520, 31349), (524, 31364), (575, 31523), (614, 31631), (676, 31760), (678, 31766), (679, 31775), (698, 31838), (707, 31877), (710, 31886), (725, 31934), (756, 32009), (776, 32069), (798, 32117), (805, 32144), (807, 32153), (808, 32156),

Gene: Zabiza_23 Start: 17155, Stop: 18921, Start Num: 120

Candidate Starts for Zabiza_23:

(Start: 120 @17155 has 139 MA's), (Start: 148 @17185 has 2 MA's), (245, 17344), (255, 17377), (265, 17407), (280, 17440), (287, 17452), (315, 17542), (333, 17584), (358, 17656), (360, 17665), (376, 17704), (390, 17749), (397, 17770), (398, 17773), (433, 17827), (439, 17845), (454, 17887), (456, 17893), (463, 17920), (517, 18058), (521, 18076), (533, 18118), (540, 18136), (551, 18166), (564, 18193), (604, 18298), (666, 18457), (677, 18493), (685, 18523), (688, 18532), (707, 18607), (723, 18658), (761, 18757), (800, 18853), (809, 18892), (810, 18895), (817, 18913),

Gene: Zakai_18 Start: 16983, Stop: 18716, Start Num: 131

Candidate Starts for Zakai_18:

(Start: 131 @16983 has 77 MA's), (188, 17052), (261, 17193), (262, 17196), (285, 17241), (296, 17274), (299, 17283), (312, 17319), (334, 17373), (344, 17400), (347, 17412), (362, 17463), (365, 17469), (378, 17502), (451, 17655), (458, 17679), (460, 17688), (472, 17733), (476, 17748), (517, 17826), (553, 17946), (575, 18009), (601, 18081), (614, 18117), (670, 18237), (672, 18243), (675, 18255), (691, 18318), (704, 18369), (715, 18405), (723, 18432), (748, 18501), (754, 18516), (757, 18528), (764, 18552), (794, 18630),

Gene: Zakhe101_56 Start: 33573, Stop: 35309, Start Num: 109

Candidate Starts for Zakhe101_56:

(Start: 104 @33564 has 2 MA's), (Start: 109 @33573 has 26 MA's), (Start: 184 @33663 has 1 MA's), (248, 33780), (258, 33816), (266, 33837), (279, 33864), (287, 33870), (298, 33900), (311, 33924), (329, 33975), (379, 34113), (381, 34119), (395, 34170), (396, 34173), (401, 34191), (432, 34242), (439, 34263), (440, 34266), (452, 34299), (457, 34314), (458, 34320), (469, 34368), (472, 34374), (474, 34380), (507, 34440), (517, 34464), (518, 34467), (531, 34512), (534, 34527), (537, 34536), (541, 34545), (557, 34590), (568, 34608), (582, 34641), (645, 34779), (654, 34800), (674, 34866), (681, 34896), (696, 34950), (706, 34992), (713, 35013), (719, 35034), (723, 35046), (730, 35067), (748, 35121), (786, 35199), (797, 35235), (803, 35256), (809, 35283),

Gene: Zameen_19 Start: 17773, Stop: 19371, Start Num: 167

Candidate Starts for Zameen_19:

(Start: 167 @17773 has 53 MA's), (299, 18022), (302, 18031), (309, 18049), (310, 18052), (327, 18106), (354, 18181), (380, 18250), (381, 18259), (385, 18271), (400, 18322), (406, 18349), (410, 18358), (411, 18361), (455, 18391), (456, 18394), (469, 18451), (513, 18517), (542, 18595), (553, 18628), (570, 18652), (584, 18688), (621, 18790), (637, 18847), (668, 18892), (671, 18898), (680, 18937), (750, 19177), (774, 19255),

Gene: Zarbodnamra_19 Start: 16649, Stop: 18295, Start Num: 171

Candidate Starts for Zarbodnamra_19:

(143, 16613), (Start: 171 @16649 has 46 MA's), (237, 16751), (260, 16823), (262, 16829), (265, 16832), (309, 16928), (319, 16967), (348, 17027), (354, 17048), (375, 17102), (380, 17117), (458, 17288), (467, 17318), (541, 17501), (549, 17525), (571, 17576), (605, 17669), (612, 17681), (626, 17726), (631, 17741), (677, 17873), (678, 17876), (704, 17975), (709, 17993), (725, 18044), (748,

18104), (750, 18110), (772, 18173), (782, 18185),

Gene: Zaria_18 Start: 16760, Stop: 18529, Start Num: 98

Candidate Starts for Zaria_18:

(Start: 70 @16697 has 1 MA's), (80, 16718), (85, 16733), (Start: 98 @16760 has 41 MA's), (174, 16853), (Start: 207 @16901 has 1 MA's), (210, 16907), (236, 16934), (237, 16937), (239, 16943), (261, 17015), (266, 17024), (278, 17048), (285, 17063), (295, 17093), (344, 17219), (346, 17228), (352, 17249), (357, 17264), (382, 17333), (393, 17369), (404, 17390), (447, 17459), (458, 17498), (517, 17636), (520, 17648), (543, 17723), (545, 17729), (550, 17747), (563, 17786), (575, 17819), (579, 17828), (583, 17837), (586, 17846), (628, 17969), (638, 18005), (672, 18053), (675, 18065), (689, 18119), (715, 18215), (720, 18233), (722, 18239), (723, 18242), (736, 18275), (744, 18299), (764, 18362), (779, 18404), (794, 18443), (800, 18461), (805, 18482), (810, 18503),

Gene: Zavala_23 Start: 17129, Stop: 18895, Start Num: 120

Candidate Starts for Zavala_23:

(Start: 120 @17129 has 139 MA's), (Start: 148 @17159 has 2 MA's), (245, 17318), (255, 17351), (265, 17381), (280, 17414), (287, 17426), (315, 17516), (333, 17558), (358, 17630), (360, 17639), (376, 17678), (390, 17723), (397, 17744), (398, 17747), (433, 17801), (439, 17819), (454, 17861), (456, 17867), (463, 17894), (486, 17981), (517, 18032), (521, 18050), (533, 18092), (540, 18110), (551, 18140), (564, 18167), (604, 18272), (666, 18431), (677, 18467), (685, 18497), (688, 18506), (707, 18581), (723, 18632), (800, 18827), (809, 18866), (810, 18869), (817, 18887),

Gene: Zebo_55 Start: 33478, Stop: 35214, Start Num: 109

Candidate Starts for Zebo_55:

(Start: 104 @33469 has 2 MA's), (Start: 109 @33478 has 26 MA's), (Start: 184 @33568 has 1 MA's), (248, 33685), (258, 33721), (266, 33742), (279, 33769), (287, 33775), (311, 33829), (329, 33880), (379, 34018), (381, 34024), (395, 34075), (396, 34078), (401, 34096), (432, 34147), (439, 34168), (440, 34171), (457, 34219), (458, 34225), (469, 34273), (472, 34279), (474, 34285), (507, 34345), (517, 34369), (518, 34372), (531, 34417), (534, 34432), (537, 34441), (541, 34450), (557, 34495), (568, 34513), (582, 34546), (645, 34684), (654, 34705), (674, 34771), (681, 34801), (696, 34855), (706, 34897), (713, 34918), (719, 34939), (723, 34951), (730, 34972), (748, 35026), (786, 35104), (797, 35140), (803, 35161), (809, 35188),

Gene: Zelink_38 Start: 28415, Stop: 30413, Start Num: 131

Candidate Starts for Zelink_38:

(Start: 131 @28415 has 77 MA's), (Start: 203 @28505 has 47 MA's), (229, 28553), (242, 28583), (251, 28610), (295, 28712), (310, 28742), (345, 28841), (355, 28877), (357, 28883), (365, 28904), (390, 28976), (393, 28985), (398, 29006), (439, 29114), (440, 29117), (446, 29132), (458, 29171), (469, 29219), (474, 29231), (475, 29237), (511, 29294), (518, 29315), (522, 29333), (536, 29381), (575, 29483), (602, 29555), (615, 29600), (616, 29612), (617, 29747), (618, 29753), (619, 29777), (630, 29849), (637, 29876), (714, 30125),

Gene: ZenTime222_19 Start: 16980, Stop: 18686, Start Num: 133

Candidate Starts for ZenTime222_19:

(68, 16872), (75, 16884), (Start: 133 @16980 has 7 MA's), (188, 17046), (Start: 244 @17121 has 1 MA's), (246, 17127), (274, 17211), (296, 17265), (312, 17310), (313, 17313), (341, 17379), (458, 17664), (543, 17886), (607, 18075), (672, 18213), (675, 18225), (723, 18402), (736, 18438), (794, 18603), (802, 18630), (813, 18669), (815, 18675),

Gene: Zerg_16 Start: 14774, Stop: 16483, Start Num: 129

Candidate Starts for Zerg_16:

(Start: 129 @14774 has 207 MA's), (205, 14861), (242, 14930), (248, 14951), (258, 14987), (279, 15035), (287, 15041), (294, 15059), (309, 15089), (347, 15194), (367, 15254), (371, 15263), (376,

15275), (379, 15284), (387, 15308), (406, 15383), (424, 15410), (425, 15416), (432, 15434), (437, 15449), (439, 15455), (452, 15491), (457, 15506), (458, 15512), (469, 15560), (474, 15572), (475, 15578), (517, 15638), (520, 15650), (531, 15686), (533, 15698), (565, 15773), (568, 15782), (575, 15800), (578, 15806), (590, 15836), (639, 15941), (645, 15953), (659, 15989), (680, 16067), (706, 16166), (713, 16187), (723, 16220), (734, 16250), (743, 16280), (746, 16289), (748, 16295), (757, 16310), (758, 16313), (765, 16337), (790, 16379), (797, 16409), (808, 16451),

Gene: ZhongYanYuan_17 Start: 16814, Stop: 18547, Start Num: 131

Candidate Starts for ZhongYanYuan_17:

(Start: 131 @16814 has 77 MA's), (188, 16883), (261, 17024), (262, 17027), (278, 17057), (285, 17072), (296, 17105), (312, 17150), (334, 17204), (344, 17231), (347, 17243), (362, 17294), (365, 17300), (378, 17333), (451, 17486), (458, 17510), (460, 17519), (472, 17564), (490, 17615), (535, 17720), (553, 17777), (575, 17840), (601, 17912), (614, 17948), (661, 18047), (670, 18068), (672, 18074), (675, 18086), (691, 18149), (715, 18236), (723, 18263), (736, 18296), (754, 18347), (757, 18359), (764, 18383), (794, 18461), (800, 18479),

Gene: ZiggyZoo_18 Start: 16440, Stop: 18086, Start Num: 171

Candidate Starts for ZiggyZoo_18:

(143, 16404), (Start: 171 @16440 has 46 MA's), (237, 16542), (262, 16620), (265, 16623), (309, 16719), (319, 16758), (348, 16818), (354, 16839), (375, 16893), (380, 16908), (458, 17079), (467, 17109), (541, 17292), (549, 17316), (571, 17367), (605, 17460), (612, 17472), (626, 17517), (631, 17532), (677, 17664), (678, 17667), (704, 17766), (709, 17784), (725, 17835), (750, 17901), (772, 17964), (782, 17976),

Gene: Zilizebeth_19 Start: 16385, Stop: 18121, Start Num: 125

Candidate Starts for Zilizebeth_19:

(Start: 106 @16361 has 2 MA's), (Start: 125 @16385 has 46 MA's), (175, 16445), (189, 16466), (190, 16469), (253, 16589), (265, 16628), (280, 16661), (295, 16685), (342, 16805), (353, 16844), (355, 16850), (385, 16934), (387, 16940), (390, 16952), (396, 16976), (403, 17003), (409, 17021), (429, 17060), (432, 17066), (440, 17090), (458, 17144), (461, 17156), (464, 17165), (479, 17225), (522, 17303), (533, 17342), (545, 17375), (568, 17441), (574, 17456), (578, 17465), (587, 17489), (597, 17519), (602, 17531), (656, 17633), (662, 17645), (663, 17648), (664, 17654), (665, 17663), (696, 17771), (719, 17855), (752, 17954), (800, 18062), (813, 18110),

Gene: Zion_34 Start: 29327, Stop: 30925, Start Num: 183

Candidate Starts for Zion_34:

(Start: 183 @29327 has 8 MA's), (247, 29426), (270, 29495), (289, 29534), (337, 29669), (355, 29729), (428, 29882), (435, 29894), (437, 29903), (438, 29906), (454, 29951), (458, 29966), (460, 29975), (463, 29984), (477, 30038), (482, 30056), (521, 30110), (602, 30326), (632, 30419), (686, 30527), (699, 30581), (722, 30656), (766, 30785), (812, 30911),

Gene: Zipp_34 Start: 30844, Stop: 32466, Start Num: 166

Candidate Starts for Zipp_34:

(Start: 119 @30787 has 1 MA's), (Start: 166 @30844 has 18 MA's), (185, 30865), (230, 30928), (253, 30991), (274, 31051), (280, 31063), (315, 31150), (338, 31201), (376, 31312), (385, 31339), (389, 31354), (440, 31438), (451, 31468), (454, 31477), (464, 31513), (479, 31573), (517, 31621), (519, 31630), (550, 31729), (566, 31768), (572, 31780), (613, 31897), (625, 31936), (648, 31975), (676, 32032), (687, 32071), (689, 32080), (702, 32137), (705, 32149), (723, 32206), (725, 32212), (733, 32233), (746, 32266), (761, 32311), (808, 32440), (810, 32449),

Gene: Zirinka_19 Start: 17776, Stop: 19374, Start Num: 167

Candidate Starts for Zirinka_19:

(Start: 167 @17776 has 53 MA's), (299, 18025), (302, 18034), (309, 18052), (310, 18055), (327, 18109), (354, 18184), (380, 18253), (381, 18262), (385, 18274), (388, 18286), (400, 18325), (406, 18352), (410, 18361), (411, 18364), (456, 18397), (469, 18454), (513, 18520), (553, 18631), (584, 18691), (621, 18793), (637, 18850), (680, 18940), (750, 19180), (774, 19258),

Gene: Zitch_36 Start: 28728, Stop: 30350, Start Num: 166

Candidate Starts for Zitch_36:

(Start: 166 @28728 has 18 MA's), (185, 28749), (194, 28761), (230, 28812), (245, 28851), (253, 28875), (280, 28947), (315, 29034), (338, 29085), (347, 29115), (376, 29196), (385, 29223), (438, 29316), (451, 29352), (454, 29361), (463, 29394), (464, 29397), (479, 29457), (517, 29505), (519, 29514), (550, 29613), (566, 29652), (572, 29664), (613, 29781), (625, 29820), (648, 29859), (676, 29916), (687, 29955), (689, 29964), (702, 30021), (705, 30033), (720, 30081), (723, 30090), (725, 30096), (733, 30117), (746, 30150), (761, 30195), (786, 30246), (808, 30324), (810, 30333),

Gene: Zizzle_16 Start: 14782, Stop: 16491, Start Num: 129

Candidate Starts for Zizzle_16:

(Start: 129 @14782 has 207 MA's), (205, 14869), (Start: 232 @14914 has 2 MA's), (242, 14938), (279, 15043), (287, 15049), (294, 15067), (309, 15097), (347, 15202), (364, 15256), (367, 15262), (371, 15271), (379, 15292), (387, 15316), (396, 15352), (398, 15358), (406, 15391), (407, 15394), (411, 15403), (424, 15418), (425, 15424), (432, 15442), (437, 15457), (439, 15463), (446, 15481), (447, 15484), (452, 15499), (457, 15514), (458, 15520), (469, 15568), (474, 15580), (475, 15586), (517, 15646), (520, 15658), (531, 15694), (533, 15706), (565, 15781), (568, 15790), (575, 15808), (578, 15814), (590, 15844), (639, 15949), (645, 15961), (659, 15997), (680, 16075), (713, 16195), (723, 16228), (734, 16258), (737, 16270), (743, 16288), (745, 16294), (746, 16297), (748, 16303), (757, 16318), (758, 16321), (764, 16342), (765, 16345), (790, 16387), (797, 16417), (808, 16459), (809, 16465),

Gene: ZoMa_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for ZoMa_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's), (155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039), (330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369), (463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780), (613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050), (713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: Zodiariah_18 Start: 16157, Stop: 17863, Start Num: 172

Candidate Starts for Zodiariah_18:

(138, 16118), (Start: 154 @16133 has 33 MA's), (Start: 172 @16157 has 16 MA's), (Start: 180 @16169 has 1 MA's), (190, 16184), (262, 16343), (288, 16397), (296, 16418), (358, 16604), (413, 16745), (437, 16775), (440, 16784), (443, 16790), (551, 17099), (600, 17228), (602, 17231), (613, 17264), (676, 17432), (678, 17438), (704, 17537), (725, 17606), (761, 17699), (817, 17855),

Gene: ZoeJ_19 Start: 14954, Stop: 16723, Start Num: 117

Candidate Starts for ZoeJ_19:

(Start: 95 @14918 has 1 MA's), (Start: 111 @14948 has 26 MA's), (Start: 117 @14954 has 41 MA's), (Start: 142 @14969 has 43 MA's), (177, 15011), (210, 15059), (Start: 232 @15098 has 2 MA's), (237, 15113), (255, 15164), (265, 15194), (280, 15227), (287, 15239), (295, 15257), (315, 15329), (317, 15335), (353, 15431), (358, 15443), (391, 15539), (439, 15632), (446, 15650), (454, 15674), (456, 15680), (467, 15719), (472, 15743), (475, 15755), (517, 15845), (519, 15854), (534, 15908), (545, 15938), (586, 16049), (604, 16100), (637, 16208), (685, 16322), (688, 16331), (707, 16406), (723, 16457), (761, 16559), (789, 16613), (809, 16694), (817, 16715),

Gene: Zombie_18 Start: 16649, Stop: 18403, Start Num: 142

Candidate Starts for Zombie_18:

(Start: 111 @16640 has 26 MA's), (Start: 142 @16649 has 43 MA's), (Start: 148 @16655 has 2 MA's),
(155, 16661), (237, 16793), (255, 16844), (265, 16874), (275, 16898), (313, 17000), (328, 17039),
(330, 17045), (338, 17060), (351, 17105), (393, 17225), (418, 17282), (439, 17321), (456, 17369),
(463, 17396), (467, 17408), (491, 17489), (517, 17534), (587, 17732), (598, 17762), (604, 17780),
(613, 17807), (638, 17891), (653, 17909), (662, 17924), (676, 17972), (679, 17987), (698, 18050),
(713, 18107), (725, 18146), (742, 18188), (761, 18239), (800, 18335), (817, 18395),

Gene: xkcd_25 Start: 19999, Stop: 21594, Start Num: 203

Candidate Starts for xkcd_25:

(Start: 137 @19915 has 79 MA's), (Start: 203 @19999 has 47 MA's), (Start: 244 @20077 has 1 MA's),
(274, 20164), (287, 20179), (309, 20227), (321, 20266), (353, 20353), (365, 20386), (379, 20422),
(388, 20452), (390, 20458), (409, 20527), (435, 20557), (438, 20569), (439, 20572), (458, 20629),
(518, 20761), (519, 20767), (538, 20833), (541, 20839), (549, 20863), (568, 20911), (578, 20935),
(582, 20944), (606, 21019), (643, 21070), (650, 21085), (698, 21247), (704, 21274), (713, 21304),
(747, 21409), (786, 21487), (797, 21523), (800, 21532), (808, 21565), (813, 21580),