

[illegible]

Pham 330287

[illegible]

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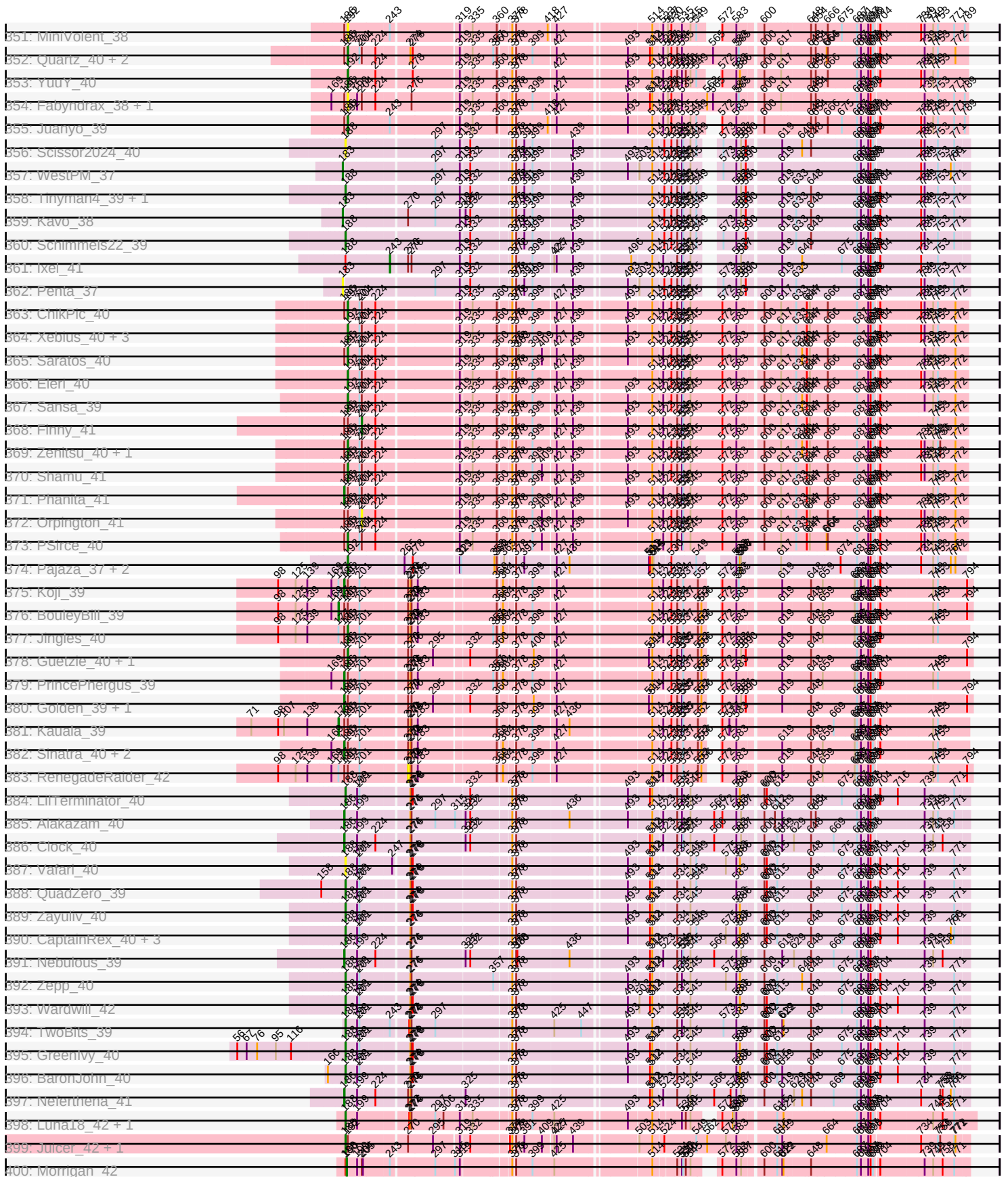
[illegible]

Pham 330287

251: Dialga_86	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
252: Fazel_87	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
253: Luthien_87	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
254: Ronney_85	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
255: Talon44_89 + 2	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
256: Figliar_85	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
257: Jodelie19_85	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
258: Zeph_88	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
259: Vardy_85	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
260: Blanky_82	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
261: Aloe25_87 + 4	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
262: Trumozitus_88	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
263: Hyorus_85	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
264: TenaciousP_87 + 1	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
265: Conley_84	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
266: Bunley_85	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
267: Schwartz33_83	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
268: ShaggyRogers_85	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
269: Madvan_85	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
270: MajinBuu_87	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
271: Mysticmoon_84	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
272: Gintora_88	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
273: Aftac_87	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
274: Dullington_87	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
275: JulesRay_86	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
276: Pherobrine_84	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
277: Taim4wing_90	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
278: EndAve_88	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
279: Onmyward_81	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
280: CWormy_84	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
281: Nadmeg_85	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
282: Secretariat_79	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
283: Mossy_85	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
284: Eddiemania_87	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
285: Peto_87	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
286: Nithya_86	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
287: Chickenjars_87	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
288: Citrus_85	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
289: Chickynuggy_89	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
290: Football_91	161	183	208	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
291: Mercedes_36	50	74	106	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
292: Greys_41 + 13	50	74	106	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
293: HankSprout_41	50	74	106	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
294: Kale_40	50	74	106	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
295: KellyGreen_42 + 12	50	74	106	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
296: Acosta_42	50	74	106	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
297: Thorongii_41	50	74	106	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
298: Redfern_40 + 1	50	74	106	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
299: Tataraka_M_41 + 13	50	74	106	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773
300: Winzigespinne_40	50	74	106	251	279	306	342	371	402	431	468	470	483	500	525	537	576	604	688	701	725	749	759	773

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B01: BenjaLauren_41 + f1		50	74		186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B02: Kimm_41 + 3			74		186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B03: SonGremm_42 + 5			74		186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B04: Espinosa_40 + 7			74		186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B05: Robinson_41 + 4			74		186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B06: Asia_40 + 4				123	186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B07: Endor_41					186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B08: AgenteU05_41		50	74		186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B09: Duocatui_40		50	74		186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B10: GongMerry_41					186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B11: GardenB_40 + 1					186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B12: HavenHighLeoSun_42		50	74		186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B13: Banduk_41 + 2		50	74		186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B14: Domrak_41		50			186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B15: FarmerDoug_40			74		186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B16: Ioannes_41			74		186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B17: BeauPeep30_41 + 1		50	74		186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B18: ThompsonE_41				123	186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B19: Baisa_40 + 1					186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B20: Blage_41 + 1		50	74		186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B21: Hansoib_40				113	186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B22: Amiorac_40		50	74		186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B23: Sedgewing_40		50			186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B24: SororJ_40 + 2		50	74		186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B25: Nagem_41 + 1				123	186	290	319	335	360	378	421	430		514	530	549	583	619	648	669	690	734	759	
B26: PhillyPhantom_40			66	82	134	186	290	319	335	360	378	421	430		514	530	552	583	600	619	640	669	690	734
B27: Jenos_44		50	74		186	290	319	335	360	378	421	430		514	530	549	583	600	619	640	669	690	734	
B28: ShanHuluu_41			74		186	290	319	335	360	378	421	430		514	530	549	572	583	619	640	669	690	734	
B29: SingRay_40				123	186	290	319	335	360	378	421	430		514	530	549	583	619	640	669	690	734	759	
B30: Raccoon_40 + 1					186	290	319	335	360	378	421	430		514	530	549	583	619	640	669	690	734	759	
B31: MonChoix_39			74	85	134	186	290	319	335	360	378	421	430		514	530	552	572	583	619	640	669	690	734
B32: JasonD_43		50	74		186	290	319	335	360	378	421	430		514	530	549	583	600	619	640	669	690	734	
B33: ArianHuluu_40				123	186	290	319	335	360	378	421	430		514	530	549	583	600	619	640	669	690	734	
B34: Etha_40		50	74		186	290	319	335	360	378	421	430		514	530	549	583	600	619	640	669	690	734	
B35: Zada_42			66	85	134	186	290	319	335	360	378	421	430		514	530	552	583	600	619	640	669	690	734
B36: McGalleon_43			74		186	290	319	335	360	378	421	430		514	530	549	583	600	619	640	669	690	734	
B37: Garey24_41			74		186	290	319	335	360	378	421	430		514	530	549	572	583	619	640	669	690	734	
B38: Papatita_40		50	74		155	186	290	319	335	360	378	421	430		514	530	549	583	619	640	669	690	734	
B39: Peep_41		50	74		186	290	319	335	360	378	421	430		514	530	549	583	619	640	669	690	734	759	
B40: Symere_40		50	74		186	290	319	335	360	378	421	430		514	530	549	583	600	619	640	669	690	734	
B41: Alyxandracam_41			66	82	123	186	290	319	335	360	378	421	430		514	530	552	583	600	619	640	669	690	734
B42: CarlsSweetik_43			74		186	290	319	335	360	378	421	430		514	530	549	583	600	619	640	669	690	734	
B43: RosieMae_40				123	186	290	319	335	360	378	421	430		514	530	549	583	619	640	669	690	734	759	
B44: Lealus_40				123	186	290	319	335	360	378	421	430		514	530	549	583	619	640	669	690	734	759	
B45: BeeBee8_41					186	290	319	335	360	378	421	430		514	530	549	583	619	640	669	690	734	759	
B46: Aleyra_41		50	74		186	290	319	335	360	378	421	430		514	530	549	583	619	640	669	690	734	759	
B47: MaeLinda_41		50	74		186	290	319	335	360	378	421	430		514	530	549	583	619	640	669	690	734	759	
B48: JasperRussell_40					163	186	290	319	335	360	378	421	430		514	530	583	600	619	640	669	690	734	
B49: HairyMan_37					163	290	319	335	360	378	421	430		491	514	530	555	583	600	619	640	669	690	
B50: Mandalorian_39					163	290	319	335	360	378	421	430		491	514	530	583	600	619	640	669	690	712	

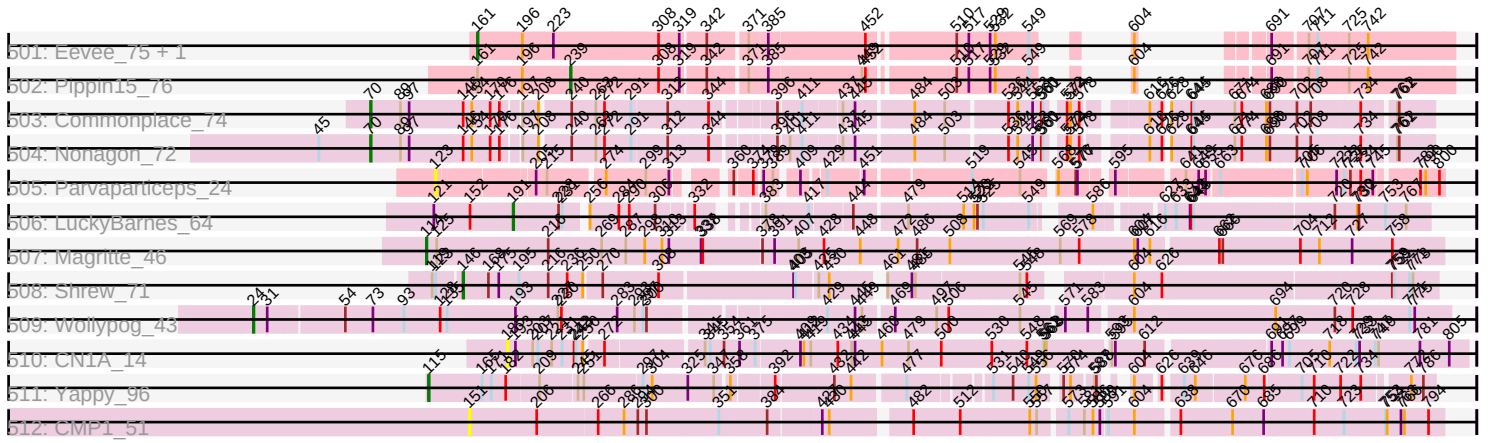
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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start.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

Pham 330287 Report

This analysis was run 09/05/26 on database version 662.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 330287 has 836 members, 105 are drafts.

Phages represented in each track:

- Track 1 : 8UZL_50, FF47_48
- Track 2 : NoShow_58
- Track 3 : LongHai_51, Salvus_51
- Track 4 : Maco6_48, Muddy_50
- Track 5 : JacoRen57_46
- Track 6 : Aledel_26, Riovina_26, Eunoia_26, OMalley_26
- Track 7 : Lucy_25
- Track 8 : DreamTeam_25, Gisselle_25, Kittykat_25
- Track 9 : Christian_25
- Track 10 : Moki_25
- Track 11 : WonderBoy_25
- Track 12 : HunterDalle_26, Vulture_26
- Track 13 : Beethoven_29, Vallejo_29, Glenn_29, TattModd_29, Fluke_29, Rozby_29, Riverdale_29, Carpal_29
- Track 14 : EstebanJulior_26, MamaPearl_26
- Track 15 : Oxynfrius_29, Nubia_29
- Track 16 : MrBoss_30
- Track 17 : Bodacious_25, PitaDog_25, CristinaYang_25, ChewChew_25, Nancia_25, DrRobert_25
- Track 18 : Misaeng_29
- Track 19 : Huntingdon_29, RcigaStruga_29
- Track 20 : Sergei_26, Maria1952_26, Daiboju_26, KingBob_26, Temper16_26, Herb_26
- Track 21 : Chridison_26
- Track 22 : RAP15_29, Cholula_29, MeganNoll_29, Jumboset_29, Savage2526_29, Potatoes_29
- Track 23 : BrotherBLo_29
- Track 24 : AppleCider_29
- Track 25 : Wawa_29
- Track 26 : Bennie_25
- Track 27 : Pumancara_25
- Track 28 : Albanese_29
- Track 29 : Urla_26

- Track 30 : Suppi_29, Canowicakte_29, Wayne_29
- Track 31 : Greenhouse_29
- Track 32 : Joann_29
- Track 33 : Preamble_25
- Track 34 : Zorro_29
- Track 35 : PinkFriday_25
- Track 36 : Litotes_29
- Track 37 : AustinPowers_26
- Track 38 : Korra_30
- Track 39 : Lakshmi_29
- Track 40 : Kalizoi_29
- Track 41 : GreenHearts_29
- Track 42 : Graynor_30
- Track 43 : Scuttle_29
- Track 44 : BigMack_25
- Track 45 : PartyCup_29
- Track 46 : LilStuart_25
- Track 47 : Makoto_25
- Track 48 : Correa_77, Nason_79, Arcadia_79, Xenomorph_75, Elsa_79, Tribby_82
- Track 49 : Heisenberger_78, Mudcat_75, JEGGS_78, Cheesy_80
- Track 50 : KeaneyLin_76, GoCrazy_77, Benllo_77
- Track 51 : Hankly_80, Dynamite_80, NapoleonB_81
- Track 52 : Kardesai_80, Mooshroom_81
- Track 53 : Bowling_82, BenitoAntonio_79
- Track 54 : YoshiYama_81, Stardom_79
- Track 55 : Circum_80
- Track 56 : SorJuana_70, Rings_71, Anansi_70, Gorgeous_70
- Track 57 : Amigo_71, Jaek_70, Yeezus_70, Boersma_73, Ichor_70
- Track 58 : Molivia_74
- Track 59 : Thunderclap_70
- Track 60 : Heylee_73, Amavida_72
- Track 61 : Nightmare_73
- Track 62 : CastorTray_75
- Track 63 : Westerlin_69
- Track 64 : MiniBagel_73, Issa_67, Tenno_72, CapnMurica_69
- Track 65 : LucySwiss_73
- Track 66 : Niktson_72, ElephantMan_72
- Track 67 : ScienceWizSam_73
- Track 68 : Teacup_73
- Track 69 : Nivinsha_74
- Track 70 : Acai_73
- Track 71 : Breylor17_68
- Track 72 : Synopsis_67
- Track 73 : Darby_69
- Track 74 : Brunswick_73
- Track 75 : Hemma_70
- Track 76 : DevitoJr_71, Trustiboi_70
- Track 77 : Dinallo_67
- Track 78 : Gordon_69
- Track 79 : AreFloNak_77
- Track 80 : Tatanka_66
- Track 81 : Tokki_83
- Track 82 : Giantsbane_77

- Track 83 : Bouchard_77
- Track 84 : Shepard_78
- Track 85 : Chlocho_78
- Track 86 : Phaby_79
- Track 87 : Tipton_79
- Track 88 : LilHuddy_77
- Track 89 : Loretta_75, Ingrid_79
- Track 90 : Caterpillar_71
- Track 91 : MediumFry_71
- Track 92 : Anandi_81
- Track 93 : Makai_75, Truckee_73
- Track 94 : Renaldo_84
- Track 95 : Mardi_77
- Track 96 : GantcherGoblin_74, Uzumaki_75, Altjira_78, Argan_75, Tenney120_77, KevinMinion_73, Phaila_76
- Track 97 : Zeina_80
- Track 98 : PoeMe_77, Stardrop_76
- Track 99 : Muglass_77, Kinny_79, Biscute_76
- Track 100 : Navi1117_80
- Track 101 : Lewando_79
- Track 102 : BlackHoleSun_78
- Track 103 : Leathea_79
- Track 104 : TrixiePhattel_78
- Track 105 : Barbonzobean_80
- Track 106 : BarbieDoll_80
- Track 107 : Inked_79
- Track 108 : Zippen_79
- Track 109 : Spain_74
- Track 110 : Linda_74, Egad_74, Salk_74, DoctorPepper_73, Boog_73, Jeremy4pt0_73, ProfFrink_74
- Track 111 : BronxBay_74, Michelle_74, StarLord_74, Sloopyjoe_74, MrAaronian_74, Djungelskog_73, Stayer_74
- Track 112 : Shiba_73, Raunak_75
- Track 113 : Sporto_73
- Track 114 : RustyBoy_78
- Track 115 : Onestar_73
- Track 116 : Natasha_77
- Track 117 : Powelldog_77
- Track 118 : HerbBucket_73
- Track 119 : Sprinkle_75
- Track 120 : Crosby_42
- Track 121 : LazerLemon_42
- Track 122 : UNTPL_44
- Track 123 : Intolerant_41, Bogota_43, Shynx_42
- Track 124 : Marky_44
- Track 125 : Microdon_41
- Track 126 : JackieB_42
- Track 127 : Araceli_42
- Track 128 : Henoccus_42
- Track 129 : Stuff_42
- Track 130 : Esketit_77, OlympicHelado_83, Hoshi_82, FidgetOrca_83, CherryBlossom_81, TonyStarch_80, Jaylociraptor_81, Indigenous_83, Spectropatronm_80, Maya_81, Namo_83, Rima_82, Meibysrarus_79

- Track 131 : Madamato_80
- Track 132 : Popy_79, DrGrey_77, FrodoSwaggins_79
- Track 133 : GirlPower_74
- Track 134 : Soshi_80, HazuAndZazu_78, IceWarrior_81
- Track 135 : TieDye_77
- Track 136 : TaidaOne_81
- Track 137 : Espio_79
- Track 138 : HotFries_52
- Track 139 : SheRa_54, Moozy_53, Annihilus_54
- Track 140 : Sangak_53, GoblinVoyage_54
- Track 141 : Natsu_52
- Track 142 : RosaAsantewaa_50
- Track 143 : Monse_53
- Track 144 : RavenPuff_54
- Track 145 : Bilo_53
- Track 146 : PherryCruz_53
- Track 147 : Scap1_51
- Track 148 : Ditters_52
- Track 149 : Doxi13_55
- Track 150 : LibertyBell_74
- Track 151 : Rainydai_86, CricKo_89, SendItCS_81, Miek_83, Thiqqums_89, Regigigas_89, FromIndy_87
- Track 152 : Wigberry_84, Hajile_86
- Track 153 : Bing_82
- Track 154 : Kardashian_78
- Track 155 : ClubPenguin_86
- Track 156 : JustBecause_122, Kela_123
- Track 157 : Sarkar_124, Satis_124, Quantum_123, Kradal_124
- Track 158 : EhyElimayoE_125
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- Track 160 : Nirvana_129
- Track 161 : Wentworth_70
- Track 162 : Yara_66
- Track 163 : Wilkos_72
- Track 164 : Dryad_74
- Track 165 : Lizz_70
- Track 166 : Greenbelt_68
- Track 167 : Rooney_70
- Track 168 : PHTowN_70, ShakeNBake_70
- Track 169 : SassyC_75
- Track 170 : Gibson_70
- Track 171 : Virizion_75
- Track 172 : Zuko_72
- Track 173 : Creature_75
- Track 174 : KimJongPhill_74
- Track 175 : PerroGrande22_111
- Track 176 : Pepy6_052
- Track 177 : Poco6_051
- Track 178 : GTE5_60
- Track 179 : Starburst_53, Typhonomachy_52, RADical_54
- Track 180 : BigChungus_56, Feastonyet_56
- Track 181 : RSchmailzl_54, Bubble_51
- Track 182 : MunkgeeRoachy_51

- Track 183 : GoldHunter_53, Elliott_53, PsychoKiller_52, Burnsey_53, Sopespian_51, Axym_52
- Track 184 : RedBaron_58
- Track 185 : Nibbles_48
- Track 186 : CanesSauce_52, AndPeggy_50, SteamedHams_54, ChocoMunchkin_52, CaramelLatte_52, Yarn_50
- Track 187 : Orla_60
- Track 188 : Gibbous_48, Dre3_48
- Track 189 : Agatha_53, Quasar_53
- Track 190 : Cozz_51, Socotra_54
- Track 191 : Amok_54
- Track 192 : ElJefes_58, McDazzle_58, SheckWes_60
- Track 193 : ChickenTender_56
- Track 194 : Balloona_55, SummitAcademy_56
- Track 195 : HippoPololi_50
- Track 196 : Fribs8_48
- Track 197 : SketchMex_53, Biskit_55
- Track 198 : GTE2_44
- Track 199 : Emalyn_52
- Track 200 : AikoCarson_54
- Track 201 : MaVan_49, Wallaby_51, Wolfwood_49, Azira_49
- Track 202 : Yucky_59, PotPie_56, Vine_59
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- Track 204 : Hexbug_60
- Track 205 : MScarn_57
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- Track 207 : Button_57
- Track 208 : Jamzy_58
- Track 209 : KayGee_58, Elinal_60
- Track 210 : Tarnish_57
- Track 211 : Zareef_49
- Track 212 : Troje_55, Buttrmlkdreams_55
- Track 213 : Margaret_58
- Track 214 : Horseradish_55, Yummy_55
- Track 215 : Lauer_52
- Track 216 : Nina_53, SweatNTears_55
- Track 217 : CherryonLim_57
- Track 218 : Nodigi_60
- Track 219 : Cleo_47
- Track 220 : Pons_58
- Track 221 : RanchParmCat_57
- Track 222 : Survivors_49
- Track 223 : Carsonalex_56
- Track 224 : BillDoor_53
- Track 225 : Blondies_56
- Track 226 : Yakult_55
- Track 227 : Bavidard_56
- Track 228 : Malvina_51
- Track 229 : GiKK_57
- Track 230 : Mayweather_61
- Track 231 : Tolls_54
- Track 232 : Frizzle_34
- Track 233 : Sapo_34

- Track 234 : Ghobes_35
- Track 235 : Archimedes_37
- Track 236 : Hortihabitatio_84
- Track 237 : Demure_85
- Track 238 : OlgasClover_88
- Track 239 : ArtetaBall_84, Phepper_87
- Track 240 : Untouchable_88
- Track 241 : Capybara_86, Magel_88, Gravy_86, NoPickles_88, Gill_87, Kerry_86, Tanis_87, Odesza_86
- Track 242 : FortCran_87, Artorias_87, Dancer_87, Bugg_91
- Track 243 : Kenosha_85
- Track 244 : Runhaar_84
- Track 245 : Arataki_85
- Track 246 : Avazak_87
- Track 247 : Captrips_86
- Track 248 : BluerMoon_85
- Track 249 : Rickmore_86
- Track 250 : AlainaMarie_87
- Track 251 : Dialga_86
- Track 252 : Fazel_87
- Track 253 : Luthien_87
- Track 254 : Roney_85
- Track 255 : Talon44_89, SweetCrkHerbs_89, Perkunas_88
- Track 256 : Figliar_85
- Track 257 : Jodelie19_85
- Track 258 : Zeph_88
- Track 259 : Vardy_85
- Track 260 : Blanky_82
- Track 261 : Aloe25_87, BetterYeti_85, Crocheter_86, PestoPenguin_87, Gusicorn_87
- Track 262 : Trufflozitus_88
- Track 263 : Hydrus_85
- Track 264 : TenaciousP_87, Tonaltzin_86
- Track 265 : Conley_84
- Track 266 : Burley_85
- Track 267 : Schwartz33_83
- Track 268 : ShaggyRogers_85
- Track 269 : Madvan_85
- Track 270 : MajinBuu_87
- Track 271 : Mysticmoon_84
- Track 272 : Glintora_88
- Track 273 : Aflac_87
- Track 274 : Duffington_87
- Track 275 : JulesRay_86
- Track 276 : Pherobrine_84
- Track 277 : Tairn4Wing_90
- Track 278 : EndAve_88
- Track 279 : OhMyWard_81
- Track 280 : CWormy_84
- Track 281 : Nadmeg_85
- Track 282 : Secretariat_79
- Track 283 : Mossy_85
- Track 284 : Eddiemania_87

- Track 285 : [Petito_87](#)
- Track 286 : [Nithya_86](#)
- Track 287 : [Chickenjars_87](#)
- Track 288 : [Citrus_85](#)
- Track 289 : [ChickyNuggy_89](#)
- Track 290 : [Football_91](#)
- Track 291 : [Mercedes_36](#)
- Track 292 : [Greys_41](#), [Oxtober96_42](#), [Lovelyunicorn_41](#), [Knox_41](#), [Convict_41](#), [AxiPup_41](#), [PuppyEggo_41](#), [Strathdee_41](#), [BonesMcCoy_41](#), [WildNOut_41](#), [Teagan_41](#), [Vispistious_41](#), [Den3_41](#), [Vlene_41](#)
- Track 293 : [HankSprout_41](#)
- Track 294 : [Kale_40](#)
- Track 295 : [KellyGreen_42](#), [Bonino_40](#), [Baines_40](#), [Dave_41](#), [Calix_40](#), [Etta_40](#), [Erla_40](#), [Renzie_41](#), [Superfresh_41](#), [Raptor_41](#), [Antoinette_41](#), [Gelo_40](#), [Ludgate_41](#)
- Track 296 : [Acosta_42](#)
- Track 297 : [Thorongil_41](#)
- Track 298 : [Redfield_40](#), [Schnapsidee_40](#)
- Track 299 : [TatarkaPM_41](#), [ParleG_41](#), [Kurt1_41](#), [MrWorldwide_41](#), [Pherferi_41](#), [Inventa_41](#), [PhredFlintston_41](#), [NickSell_41](#), [Martin_42](#), [Rapheph_41](#), [MillyPhilly_41](#), [TinSulphur_42](#), [Phiderman_41](#), [Shee_41](#)
- Track 300 : [Winzigespinne_40](#)
- Track 301 : [Benjalauren_41](#), [KannH_40](#), [Ilzat_40](#), [HungryHenry_40](#), [CoraRita_40](#), [StirfryIV_40](#), [Chako_40](#), [Rog141_40](#), [Clancy_40](#), [Gargoyle_41](#), [Jerbirus_42](#), [Gubbabump_40](#)
- Track 302 : [Klimt_41](#), [Chamuel_40](#), [SonOfLevi_41](#), [Pocket_40](#)
- Track 303 : [SoilGremlin_42](#), [SolidSnake_43](#), [Phriends_41](#), [Delphidian_41](#), [OldNelly_42](#), [Merida02_43](#)
- Track 304 : [Espinosa_40](#), [Exploradora_40](#), [Christoph_40](#), [Tenda_40](#), [Kouch_41](#), [ManRay_40](#), [Aubergine_40](#), [JeriBeth_40](#)
- Track 305 : [Robinson_41](#), [AlexAdler_41](#), [Janus167_40](#), [Figueroism_41](#), [Riyhil_41](#)
- Track 306 : [Asta_40](#), [TeddyBear_40](#), [Gershwin_40](#), [Nattles_40](#), [Oats_40](#)
- Track 307 : [Endor_41](#)
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- Track 309 : [Duocatuli_40](#)
- Track 310 : [GoingMerry_41](#)
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- Track 312 : [HavenFinLeoSun_42](#)
- Track 313 : [Bandik_41](#), [Byron23_42](#), [Stanktossa_41](#)
- Track 314 : [Dothraki_41](#)
- Track 315 : [FarmerDoug_40](#)
- Track 316 : [Ioannes_41](#)
- Track 317 : [BeautPeep30_41](#), [Phireproof_41](#)
- Track 318 : [Thompsone_41](#)
- Track 319 : [Balsa_40](#), [Peppino_40](#)
- Track 320 : [Blage_41](#), [BigRedClifford_41](#)
- Track 321 : [HanSolo_40](#)
- Track 322 : [Anilorac_40](#)
- Track 323 : [Sedgewig_40](#)
- Track 324 : [Soror1_40](#), [Stormbreaker8_40](#), [KingJulien_40](#)
- Track 325 : [Nagem_41](#), [SJay_41](#)
- Track 326 : [PhillyPhantom_40](#)
- Track 327 : [Jenos_44](#)
- Track 328 : [ShaiHulud_41](#)

- Track 329 : StingRay_40
- Track 330 : Raccoon_40, Hamlet_40
- Track 331 : MonChoix_39
- Track 332 : JasonD_43
- Track 333 : AranulaLuti_40
- Track 334 : Etna_40
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- Track 336 : McGalleon_43
- Track 337 : Garey24_41
- Track 338 : Papafritta_40
- Track 339 : Peep_41
- Track 340 : Symere_40
- Track 341 : Alyxandracam_41
- Track 342 : CarisSwetlik_43
- Track 343 : RosieMae_40
- Track 344 : Leafus_40
- Track 345 : BeeBee8_41
- Track 346 : Aleyra_41
- Track 347 : MaeLinda_41
- Track 348 : JasperRussell_40
- Track 349 : HairyMan_37
- Track 350 : Mandalorian_39
- Track 351 : MiniVolent_38
- Track 352 : Quartz_40, Carostasia_39, Nucci_39
- Track 353 : YuuY_40
- Track 354 : Fabyndrax_38, Cidela_38
- Track 355 : Juanyo_39
- Track 356 : Scissor2024_40
- Track 357 : WestPM_37
- Track 358 : Tinyman4_39, HerculesXL_40
- Track 359 : Kavo_38
- Track 360 : Schimmels22_39
- Track 361 : Ixel_41
- Track 362 : Penta_37
- Track 363 : ChikPic_40
- Track 364 : Xebius_40, Andromedas_40, Glamour_40, ColaCorta_40
- Track 365 : Saratos_40
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- Track 367 : Sansa_39
- Track 368 : Finny_41
- Track 369 : Zenitsu_40, MCubed_40
- Track 370 : Shamu_41
- Track 371 : Phanita_41
- Track 372 : Orpington_41
- Track 373 : PSirce_40
- Track 374 : Pajaza_37, Casey_37, Pikmin_37
- Track 375 : Koji_39
- Track 376 : BouleyBill_39
- Track 377 : Jingles_40
- Track 378 : Guetzie_40, SirVictor_40
- Track 379 : PrincePhergus_39
- Track 380 : Golden_39, Lucky3_39
- Track 381 : Kauala_39

- Track 382 : Sinatra_40, Bustleton_39, Pherbot_39
- Track 383 : RenegadeRaider_42
- Track 384 : LilTerminator_40
- Track 385 : Alakazam_40
- Track 386 : Clock_40
- Track 387 : Vafari_40
- Track 388 : QuadZero_39
- Track 389 : Zayuliv_40
- Track 390 : CaptainRex_40, Librie_40, Hasitha_40, Fulton_40
- Track 391 : Nebulous_39
- Track 392 : Zepp_40
- Track 393 : Wardwill_42
- Track 394 : TwoBits_39
- Track 395 : GreenIvy_40
- Track 396 : BaronJohn_40
- Track 397 : Neferthena_41
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- Track 399 : Juicer_42, Jemerald_42
- Track 400 : Morrigan_42
- Track 401 : WilliamStrong_40
- Track 402 : Chepli_42
- Track 403 : Theresita_31
- Track 404 : Schubert_39
- Track 405 : GaeCeo_42, ChickenKing_40
- Track 406 : Cheeto1_42
- Track 407 : Wolfstar_82
- Track 408 : Jacko_79
- Track 409 : Pavlo_78
- Track 410 : Saradis_80
- Track 411 : Hubbs_78, DejaVu_80
- Track 412 : Uterion_82
- Track 413 : Solimine_81
- Track 414 : Platte_76, Alleb_76, Tandem_77, OlinDD_77, Hortus1_77, Pioneer3_77
- Track 415 : PhillyPhilly_77
- Track 416 : Lupine_78
- Track 417 : Roman_81
- Track 418 : Erenyeager_84
- Track 419 : Issa7_83
- Track 420 : Deschain_85, DustyDino_88, RunningBrook_86, Yuma_83, Casablancas_85
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- Track 422 : ASegato_82, SteakFry_87, HollowPurple_85
- Track 423 : Musetta_83
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- Track 427 : Lyell_84
- Track 428 : StevieWelch_85
- Track 429 : Mistmere_78
- Track 430 : Neptune_40, Cybele_40
- Track 431 : FountainFog_39
- Track 432 : Poultruss_39
- Track 433 : JingleBells_40

- Track 434 : Snakehole_40
- Track 435 : Ajin_42
- Track 436 : OhDear_40, SafetyGuy_40, OverHedge_40, Anakin_40, Tiggy93_40, AnnaSerena_40, Pharpay_40, CoolCookie_40, Potty_40, Gilda_40, Artiphact_40, Rachella_40, NarutoRun_40, PhunaPhoke_40, Kate_41
- Track 437 : Kors_42
- Track 438 : Dauntless_39, Erudite_39
- Track 439 : Sparcet_42
- Track 440 : Crestdrop_40, SilentWarrior_40, Hiddenleaf_40, Chivey_40, FreddieHg_40, Annapurna_40
- Track 441 : JDawG_39, Aesir_39
- Track 442 : Hager_41
- Track 443 : Krampus_40
- Track 444 : TinyMiny_42
- Track 445 : Tongui_40
- Track 446 : RikSengupta_42
- Track 447 : Tedro_40
- Track 448 : DannyDe_40
- Track 449 : MortySmith_38
- Track 450 : Bramble_42
- Track 451 : WinnieLou_41
- Track 452 : Haunter_40
- Track 453 : Rie18_40
- Track 454 : LordBart_42
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- Track 456 : PermaG_34
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- Track 458 : Jera_34
- Track 459 : Rasovi_33, Htur_33
- Track 460 : AyoTeo_35, Labella_35, Typher_35
- Track 461 : Olympi_35
- Track 462 : Benry_32
- Track 463 : Milani_33
- Track 464 : Alove_33, Rootkit7_33, TurboVicky_33
- Track 465 : Johann_34, Goodman_34
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- Track 467 : Sucha_30
- Track 468 : Zanella_33
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- Track 470 : FireCastle_33
- Track 471 : Damascus_61
- Track 472 : Mema_60
- Track 473 : Camille_59
- Track 474 : DizzyRudy_65
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- Track 477 : Troy_45, Dina_47, SamW_45, Lederberg_45, Adelaide_46
- Track 478 : Stiles_49
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- Track 480 : Arzan_75
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- Track 484 : Kureo_137
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- Track 488 : LeeroyJenkins_95
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- Track 490 : Lifes_86
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- Track 493 : Rasputia_111
- Track 494 : Huwbert_59
- Track 495 : Triscuit_58
- Track 496 : Serenabean_73
- Track 497 : Yotsuba_76
- Track 498 : AddiRose_72
- Track 499 : Daddyjeff_74
- Track 500 : Sweetclover_73
- Track 501 : Eevee_75, JoyLin_76
- Track 502 : Pippin15_76
- Track 503 : Commonplace_74
- Track 504 : Nonagon_72
- Track 505 : Parvapaticeps_24
- Track 506 : LuckyBarnes_64
- Track 507 : Magritte_46
- Track 508 : Shrew_71
- Track 509 : Wollypog_43
- Track 510 : CN1A_14
- Track 511 : Yappy_96
- Track 512 : CMP1_51

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

The start number called the most often in the published annotations is 186, it was called in 151 of the 731 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• Acosta_42, Adelaide_46, Agente005_41, Alakazam_40, AlexAdler_41, Alyxandracam_41, Antoinette_41, AranulaLuti_40, Asta_40, Aubergine_40, AxiPup_41, Baines_40, Balsa_40, Bandik_41, BeautPeep30_41, BeeBee8_41, Benjalauren_41, BigRedClifford_41, Blage_41, BonesMcCoy_41, Bonino_40, Bustleton_39, Byron23_42, Calix_40, Chako_40, Chamuel_40, Cheeto1_42, ChickenKing_40, Christoph_40, Clancy_40, Clock_40, Convict_41, CoraRita_40, Dave_41, Delphidian_41, Den3_41, Dina_47, Dothraki_41, Duocatuli_40, Endor_41, Erla_40, Espinosa_40, Etna_40, Etta_40, Exploradora_40, FarmerDoug_40, Figueroism_41, GaeCeo_42, GardenB_40, Garey24_41, Gargoyle_41, Gelo_40, Gershwin_40, GoingMerry_41, Golden_39, GoneGirl_41, Greys_41, Gubbabump_40, HairyMan_37, Hamlet_40, HanSolo_40, HankSprout_41, HavenFinLeoSun_42, HungryHenry_40, Ilzat_40, Inventa_41, Ioannes_41, Janus167_40, JasonD_43, JasperRussell_40, Jerbirus_42, JeriBeth_40, Kale_40, KannH_40, KellyGreen_42, KingJulien_40, Klimt_41, Knox_41, Koji_39, Kouch_41, Kurt1_41, Leafus_40,

Lederberg_45, Lovelyunicorn_41, Lucky3_39, Ludgate_41, MaeLinda_41, ManRay_40, Martin_42, Merida02_43, MillyPhilly_41, MonChoix_39, MrWorldwide_41, Nagem_41, Natties_40, Nebulous_39, Neferthena_41, NickSell_41, Oats_40, OldNelly_42, Oxtober96_42, Papafritta_40, ParleG_41, Peep_41, Peppino_40, Phanita_41, Pherbot_39, Pherferi_41, Phiderman_41, Phireproof_41, PhredFlintston_41, Phriends_41, Pocket_40, PorkBelly_54, PrincePhergus_39, PuppyEggo_41, Raccoon_40, Rapheph_41, Raptor_41, Redfield_40, Renzie_41, Riyhil_41, Robinson_41, Rog141_40, RosieMae_40, SJay_41, SamW_45, Schnapsidee_40, Sedgewig_40, ShaiHulud_41, Shee_41, Sinatra_40, SoilGremlin_42, SolidSnake_43, SonOfLevi_41, Soror1_40, StAB_50, Stanktossa_41, Stiles_49, StingRay_40, StirfryIV_40, Stormbreaker8_40, Strathdee_41, Superfresh_41, Symere_40, TatarkaPM_41, Teagan_41, TeddyBear_40, Tenda_40, Thompsonsone_41, Thorongil_41, TinSulphur_42, Troy_45, Velene_41, Vispistious_41, WildNOut_41, Winzigespinne_40, Zada_42,

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

- Aleyra_41, Anilorac_40, BouleyBill_39, Carostasia_39, ChikPic_40, Cidela_38, Fabyndrax_38, Finny_41, Guetzie_40, Jingles_40, Juanyo_39, Kauala_39, MCubed_40, Mandalorian_39, MiniVolent_38, Nucci_39, Orpington_41, PSirce_40, PhillyPhantom_40, Quartz_40, RenegadeRaider_42, Saratos_40, Shamu_41, SirVictor_40, Zenitsu_40,

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

- 8UZL_50, ASegato_82, Acai_73, AddiRose_72, Aesir_39, Aflac_87, Agatha_53, AikoCarson_54, Ajin_42, AlainaMarie_87, Albanese_29, Aledel_26, Alleb_76, Aloe25_87, Alove_33, Altjira_78, Amavida_72, Amigo_71, Amok_54, Anakin_40, Anandi_81, Anansi_70, AndPeggy_50, Andromedas_40, AnnaSerena_40, Annapurna_40, Annihilus_54, AppleCider_29, Araceli_42, Arataki_85, Arcadia_79, Archimedes_37, AreFloNak_77, Argan_75, ArtetaBall_84, Artiphact_40, Artorias_87, Arzan_75, AustinPowers_26, Avazak_87, Axym_52, AyoTeo_35, Azira_49, Balloona_55, BarbieDoll_80, Barbonzobean_80, BarnCat_85, BaronJohn_40, Bavidard_56, Beethoven_29, BenitoAntonio_79, Benllo_77, Bennie_25, Benry_32, BetterYeti_85, BigChungus_56, BigMack_25, BillDoor_53, Bilo_53, Bing_82, Biscute_76, Biskit_55, BlackHoleSun_78, Blanky_82, Blondies_56, BluerMoon_85, Bodacious_25, Boersma_73, Bogota_43, Boog_73, Bouchard_77, Bowling_82, Bramble_42, Breylor17_68, BronxBay_74, BrotherBLo_29, Brunswick_73, Bubble_51, Bugg_91, Burley_85, Burnsey_53, Button_57, Buttrmlkdreams_55, CMP1_51, CN1A_14, CWormy_84, Camille_59, CanesSauce_52, Canowicakte_29, CapnMurica_69, CaptainRex_40, Captrips_86, Capybara_86, CaramellLatte_52, CarisSwetlik_43, Carpal_29, Carsonalex_56, Casablanacas_85, Casey_37, Cassita_89, CastorTray_75, Caterpillar_71, Cheesy_80, Chepli_42, CherryBlossom_81, CherryonLim_57, ChewChew_25, ChickenTender_56, ChickyNugget_89, Chikenjars_87, Chivey_40, Chlocho_78, ChocoMunchkin_52, Cholula_29, Chridison_26, Christian_25, Cicada_35, Circum_80, Citrus_85, Cleo_47, ClubPenguin_86, CocoaPuff_56, ColaCorta_40, Commonplace_74, Conley_84, CoolCookie_40, Correa_77, Count_93, Cozz_51, Creature_75, Crestdrop_40, CricKo_89, CristinaYang_25, Crocheter_86, Crosby_42, Cybele_40, Daddyjeff_74, Daiboju_26, Damascus_61, Dancer_87, DannyDe_40, Darby_69, Dauntless_39, DejaVu_80, Demure_85, Deschain_85, DevitoJr_71, Dewdrop_117, Dialga_86, Dinallo_67, Ditters_52, DizzyRudy_65, Djungelskog_73, DoctorPepper_73, Doxi13_55, DrGrey_77, DrRobert_25, Dre3_48, DreamTeam_25, Dryad_74, Duffington_87, DustyDino_88, Dynamite_80, Eddiemania_87, Eevee_75, Egad_74, EhyElimayoE_125, ElJefes_58, ElephantMan_72, Eleri_40, Elinal_60, Elliott_53,

Elsa_79, Elver_140, Emalyn_52, EndAve_88, Erenyeager_84, Erudite_39, Esketit_77, Espio_79, EstebanJulior_26, Eunoia_26, FF47_48, Fazel_87, Feastonyeet_56, FidgetOrca_83, Figliar_85, FireCastle_33, Fluke_29, Football_91, Fork_80, FortCran_87, FountainFog_39, Frankenweenie_134, FreddieHg_40, Fribs8_48, Frizzle_34, FrodoSwaggins_79, FromIndy_87, Fulton_40, GTE2_44, GTE5_60, Gandionco_136, GantcherGoblin_74, GermyBearimy_84, Ghobes_35, GiKK_57, Giantsbane_77, Gibbous_48, Gibson_70, Gilda_40, Gill_87, GirlPower_74, Gisselle_25, Glamour_40, Glenn_29, Glintora_88, GoCrazy_77, GoblinVoyage_54, GoldHunter_53, Goodman_34, Gordon_69, Gorgeous_70, Gravy_86, Graynor_30, GreenHearts_29, GreenIvy_40, Greenbelt_68, Greenhouse_29, Gusicorn_87, Hager_41, Hajile_86, Hankly_80, Hasitha_40, Haunter_40, HazuAndZazu_78, Heisenberger_78, Hemma_70, Hendrix_115, Henoccus_42, HerbBucket_73, Herb_26, HerculesXL_40, Hexbug_60, Heylee_73, Hiddenleaf_40, HippoPololi_50, HollowPurple_85, Horseradish_55, Hortihabitatio_84, Hortus1_77, Hoshi_82, HotFries_52, Htur_33, Hubbs_78, HunterDalle_26, Huntingdon_29, Huwbert_59, Hydrus_85, IceWarrior_81, Ichor_70, IndiRoo_33, Indigenous_83, Ingrid_79, Inked_79, Intolerant_41, Issa7_83, Issa_67, Ixel_41, JDawG_39, JEGGS_78, JackieB_42, Jacko_79, JacoRen57_46, Jaek_70, Jamzy_58, Jaylociraptor_81, Jazzy4900_73, JeNeSaisPas_138, Jemerald_42, Jenos_44, Jera_34, Jeremy4pt0_73, JingleBells_40, Joann_29, Jodelie19_85, Johann_34, JoyLin_76, Juicer_42, JulesRay_86, Jumboset_29, JustBecause_122, Kalizoi_29, Karate_39, Kardashian_78, Kardesai_80, KatChan_42, Kate_41, Kavo_38, KayGee_58, KeaneyLin_76, Kela_123, Kenosha_85, Kerry_86, KevinMinion_73, KimJongPhill_74, KingBob_26, Kinny_79, Kittykat_25, Korra_30, Kors_42, Kradal_124, Krampus_40, Kureo_137, Labella_35, Lakshmi_29, Lauer_52, LazerLemon_42, Leaf_117, Leatheia_79, LeeroyJenkins_95, Lewando_79, LibertyBell_74, Librie_40, Lifes_86, LilHuddy_77, LilStuart_25, LilTerminator_40, Linayshia_33, Linda_74, Litotes_29, Lizz_70, LongHai_51, LordBart_42, Loretta_75, LuckyBarnes_64, LucySwiss_73, Lucy_25, Luna18_42, Lupine_78, Luthien_87, Lyell_84, MAnor_58, MScarn_57, MaVan_49, Maco6_48, Madamato_80, Madvan_85, Magel_88, Magritte_46, MajinBuu_87, Makai_75, Makoto_25, Malvina_51, MamaPearl_26, Mardi_77, Margaret_58, Maria1952_26, Marianna39_137, Marky_44, Maya_81, Mayweather_61, McDazzle_58, McGalleon_43, MediumFry_71, MeganNoll_29, Meibysrarus_79, Mema_60, Mercedes_36, Michelle_74, Microdon_41, Miek_83, Milani_33, MiniBagel_73, Misaeng_29, Mistmere_78, Moki_25, Molivia_74, Monse_53, Mooshroom_81, Moozy_53, Morrigan_42, MortySmith_38, Mossy_85, MrAaronian_74, MrBoss_30, Mudcat_75, Muddy_50, Muglass_77, MunkgeeRoachy_51, Musetta_83, Mysticmoon_84, Nadmeg_85, Namo_83, Nancia_25, NapoleonB_81, NarutoRun_40, Nason_79, Natasha_77, Natsu_52, Navi1117_80, Necrophoxinus_86, Neptune_40, Nibbles_48, Nightmare_73, Niktson_72, Nina_53, Nirvana_129, Nithya_86, Nivinsha_74, NoPickles_88, NoShow_58, Nodigi_60, Nonagon_72, Nubia_29, OMalley_26, Odesza_86, OhDear_40, OhMyWard_81, OlgasClover_88, OlinDD_77, Olympi_35, OlympicHelado_83, Onestar_73, Orla_60, OverHedge_40, Oxyfnrius_29, PHTowN_70, Paella_140, Pajaza_37, PartyCup_29, Parvaparticeps_24, Pavlo_78, Penta_37, Pepy6_052, Perkunas_88, PermaG_34, PerroGrande22_111, PestoPenguin_87, Petite_87, Phaby_79, Phaila_76, Pharpay_40, Phepper_87, Pherobrine_84, PherryCruz_53, PhillyPhilly_77, PhunaPhoke_40, Pikmin_37, PinkFriday_25, Pioneer3_77, Pippin15_76, PitaDog_25, Platte_76, Poco6_051, PoeMe_77, Pons_58, Popy_79, PotPie_56, Potatoes_29, Potty_40, Poultruss_39, PowellDog_77, Preamble_25, ProfFrink_74, PsychoKiller_52, Pumancara_25, QuadZero_39, Quantum_123, Quasar_53, Qui_140, RADical_54, RAP15_29, RSchmailz_54, Rachella_40, Rainyda_86, RanchParmCat_57, Rasovi_33,

Rasputia_111, Raunak_75, RavenPuff_54, RcigaStruga_29, RedBaron_58, Regigigas_89, Renaldo_84, Rickmore_86, Rie18_40, RikSengupta_42, Rima_82, Rings_71, Riovina_26, Riverdale_29, Roman_81, Roney_85, Rooney_70, Rootkit7_33, RosaAsantewaa_50, Rozby_29, Runhaar_84, RunningBrook_86, RustyBoy_78, SBlackberry_33, SafetyGuy_40, Salk_74, Salvus_51, Sangak_53, Sansa_39, Sapo_34, Saradis_80, Sarkar_124, SassyC_75, Satis_124, Savage2526_29, Scap1_51, Schimmels22_39, Schubert_39, Schwartz33_83, ScienceWizSam_73, Scissor2024_40, Scuttle_29, Secretariat_79, SendItCS_81, Serenabean_73, Sergei_26, ShaggyRogers_85, ShakeNBake_70, SheRa_54, SheckWes_60, Shepard_78, Shiba_73, Shrew_71, Shroomer_89, Shynx_42, SilentWarrior_40, SketchMex_53, Sloopyjoe_74, Snakehole_40, Socotra_54, Solimine_81, Sopespian_51, SorJuana_70, Soshi_80, Spain_74, Sparcetus_42, Spectropatronm_80, Sporto_73, Sprinkle_75, StarLord_74, Starburst_53, Stardom_79, Stardrop_76, Stayer_74, SteakFry_87, SteamedHams_54, StevieWelch_85, Stuff_42, Sucha_30, SummitAcademy_56, Sunny4976_72, Suppi_29, Survivors_49, SweatNTears_55, SweetCrkHerbs_89, Sweetclover_73, Synopsis_67, TaidaOne_81, Tairn4Wing_90, Talon44_89, Tandem_77, Tanis_87, Tarnish_57, Tatanka_66, TattModd_29, Teacup_73, Tedro_40, Temper16_26, TenaciousP_87, Tenney120_77, Tenno_72, Theresita_31, Thiqqums_89, Thunderclap_70, TieDye_77, Tiggy93_40, TinyMiny_42, Tinyman4_39, Tipton_79, Tokki_83, Tolls_54, Tonaltzin_86, Tongui_40, TonyStarch_80, Tribby_82, Triscuit_58, TrixiePhattel_78, Troje_55, Truckee_73, Trufflozitus_88, Trustiboi_70, TurboVicky_33, TwoBits_39, Typher_35, Typhonomachy_52, UNTPL_44, Untouchable_88, Urla_26, Uterion_82, Uzumaki_75, Vafari_40, Vallejo_29, Vardy_85, Vine_59, Virizion_75, Vulture_26, Wallaby_51, Wardwill_42, WaterT_90, Wawa_29, Wayne_29, Welcome_86, Wentworth_70, WestPM_37, Westerlin_69, Wigberry_84, Wilkos_72, WilliamStrong_40, WinnieLou_41, Wolfstar_82, Wolfwood_49, Wolypog_43, WonderBoy_25, Xebius_40, Xenomorph_75, Yakult_55, Yappy_96, Yara_66, Yarn_50, Yeezus_70, YoshiYama_81, Yotsuba_76, Yucky_59, Yuma_83, Yummy_55, YuuY_40, Zanella_33, Zareef_49, Zayuliv_40, Zeina_80, Zeph_88, Zepp_40, Zippen_79, Zorro_29, Zuko_72,

Summary by start number:

Start 9:

- Found in 4 of 836 (0.5%) of genes in pham
- Manual Annotations of this start: 4 of 731
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dewdrop_117 (GC), Hendrix_115 (GC), Leaf_117 (GC), Rasputia_111 (GC),

Start 12:

- Found in 7 of 836 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 14.3% of time when present
- Phage (with cluster) where this start called: TinyMiny_42 (EF),

Start 19:

- Found in 3 of 836 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pepy6_052 (CC), PerroGrande22_111 (CC), Poco6_051 (CC),

Start 20:

- Found in 1 of 836 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Greenbelt_68 (BN),

Start 23:

- Found in 11 of 836 (1.3%) of genes in pham
- Manual Annotations of this start: 8 of 731
- Called 90.9% of time when present
- Phage (with cluster) where this start called: Dryad_74 (BN), Gibson_70 (BN), Lizz_70 (BN), PHTown_70 (BN), Rooney_70 (BN), SassyC_75 (BN), ShakeNBake_70 (BN), Wentworth_70 (BN), Wilkos_72 (BN), Yara_66 (BN),

Start 24:

- Found in 1 of 836 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wollypog_43 (singleton),

Start 27:

- Found in 41 of 836 (4.9%) of genes in pham
- Manual Annotations of this start: 36 of 731
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aesir_39 (EF), Anakin_40 (EF), AnnaSerena_40 (EF), Annapurna_40 (EF), Artiphact_40 (EF), Chivey_40 (EF), CoolCookie_40 (EF), Crestdrop_40 (EF), Cybele_40 (EF), DannyDe_40 (EF), Dauntless_39 (EF), Erudite_39 (EF), FountainFog_39 (EF), FreddieHg_40 (EF), Gilda_40 (EF), Hager_41 (EF), Haunter_40 (EF), Hiddenleaf_40 (EF), JDawG_39 (EF), JingleBells_40 (EF), Karate_39 (EF), Kate_41 (EF), Krampus_40 (EF), MortySmith_38 (EF), NarutoRun_40 (EF), Neptune_40 (EF), OhDear_40 (EF), OverHedge_40 (EF), Pharpay_40 (EF), PhunaPhoke_40 (EF), Potty_40 (EF), Poultruss_39 (EF), Rachella_40 (EF), Rie18_40 (EF), SafetyGuy_40 (EF), SilentWarrior_40 (EF), Snakehole_40 (EF), Tedro_40 (EF), Tiggy93_40 (EF), Tongui_40 (EF), WinnieLou_41 (EF),

Start 29:

- Found in 16 of 836 (1.9%) of genes in pham
- Manual Annotations of this start: 6 of 731
- Called 43.8% of time when present
- Phage (with cluster) where this start called: Ajin_42 (EF), Bramble_42 (EF), Kors_42 (EF), LordBart_42 (EF), RikSengupta_42 (EF), Sparcetus_42 (EF), Virizion_75 (BN),

Start 70:

- Found in 2 of 836 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 731
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Commonplace_74 (JD), Nonagon_72 (JD),

Start 79:

- Found in 9 of 836 (1.1%) of genes in pham

- Manual Annotations of this start: 9 of 731
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EhyElimayoE_125 (BM), Frankenweenie_134 (BM), JustBecause_122 (BM), Kela_123 (BM), Kradal_124 (BM), Nirvana_129 (BM), Quantum_123 (BM), Sarkar_124 (BM), Satis_124 (BM),

Start 101:

- Found in 5 of 836 (0.6%) of genes in pham
- Manual Annotations of this start: 5 of 731
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BarnCat_85 (GB), Cassita_89 (GB), LeeroyJenkins_95 (GB), Lifes_86 (GB), WaterT_90 (GB),

Start 114:

- Found in 3 of 836 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Magritte_46 (singleton),

Start 115:

- Found in 1 of 836 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yappy_96 (singleton),

Start 121:

- Found in 8 of 836 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 12.5% of time when present
- Phage (with cluster) where this start called: FireCastle_33 (EJ),

Start 123:

- Found in 98 of 836 (11.7%) of genes in pham
- Manual Annotations of this start: 76 of 731
- Called 84.7% of time when present
- Phage (with cluster) where this start called: 8UZL_50 (AB), Albanese_29 (AK), Aledel_26 (AK), Anilorac_40 (EA1), AppleCider_29 (AK), AustinPowers_26 (AK), Beethoven_29 (AK), Bennie_25 (AK), BigMack_25 (AK), Bodacious_25 (AK), BrotherBLo_29 (AK), Canowicakte_29 (AK), Carpal_29 (AK), ChewChew_25 (AK), Cholula_29 (AK), Chridison_26 (AK), Christian_25 (AK), CristinaYang_25 (AK), Daiboju_26 (AK), DrRobert_25 (AK), DreamTeam_25 (AK), EstebanJulior_26 (AK), Eunoia_26 (AK), FF47_48 (AB), Fluke_29 (AK), Gisselle_25 (AK), Glenn_29 (AK), Graynor_30 (AK), GreenHearts_29 (AK), Greenhouse_29 (AK), Herb_26 (AK), HunterDalle_26 (AK), Huntingdon_29 (AK), Joann_29 (AK), Jumboset_29 (AK), Kalizoi_29 (AK), KingBob_26 (AK), Kittykat_25 (AK), Korra_30 (AK), Lakshmi_29 (AK), LilStuart_25 (AK), Litotes_29 (AK), LongHai_51 (AB), Lucy_25 (AK), Maco6_48 (AB), Makoto_25 (AK), MamaPearl_26 (AK), Maria1952_26 (AK), MeganNoll_29 (AK), Misaeng_29 (AK), Moki_25 (AK), MrBoss_30 (AK), Muddy_50 (AB), Nancia_25 (AK), Nubia_29 (AK), OMalley_26 (AK), Oxyfnrius_29 (AK), PartyCup_29 (AK), Parvaparticeps_24 (UNK), PinkFriday_25 (AK), PitaDog_25 (AK), Potatoes_29 (AK), Preamble_25 (AK), Pumancara_25 (AK), RAP15_29 (AK), RcigaStruga_29 (AK), Rivovina_26 (AK), Riverdale_29 (AK), Rozby_29 (AK), Salvus_51 (AB), Savage2526_29 (AK), Scuttle_29 (AK), Sergei_26 (AK), Suppi_29 (AK), TattModd_29

(AK), Temper16_26 (AK), Urla_26 (AK), Vallejo_29 (AK), Vulture_26 (AK), Wawa_29 (AK), Wayne_29 (AK), WonderBoy_25 (AK), Zorro_29 (AK),

Start 124:

- Found in 2 of 836 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 731
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Benry_32 (EJ), Milani_33 (EJ),

Start 126:

- Found in 21 of 836 (2.5%) of genes in pham
- Manual Annotations of this start: 19 of 731
- Called 95.2% of time when present
- Phage (with cluster) where this start called: Alove_33 (EJ), AyoTeo_35 (EJ), Cicada_35 (EJ), Goodman_34 (EJ), Htur_33 (EJ), IndiRoo_33 (EJ), Jera_34 (EJ), Johann_34 (EJ), Labella_35 (EJ), Linayshia_33 (EJ), Olympi_35 (EJ), PermaG_34 (EJ), Rasovi_33 (EJ), Rootkit7_33 (EJ), SBlackberry_33 (EJ), Sucha_30 (EJ), Theresita_31 (EA7), TurboVicky_33 (EJ), Typher_35 (EJ), Zanella_33 (EJ),

Start 129:

- Found in 48 of 836 (5.7%) of genes in pham
- Manual Annotations of this start: 41 of 731
- Called 97.9% of time when present
- Phage (with cluster) where this start called: ASegato_82 (ED2), Alleb_76 (ED1), Amavida_72 (AQ), Amigo_71 (AQ), Anansi_70 (AQ), Boersma_73 (AQ), Casablanacas_85 (ED2), DejaVu_80 (ED1), Deschain_85 (ED2), DustyDino_88 (ED2), Erenyeager_84 (ED2), Fork_80 (ED2), Gorgeous_70 (AQ), Heylee_73 (AQ), HollowPurple_85 (ED2), Hortus1_77 (ED1), Hubbs_78 (ED1), Ichor_70 (AQ), Issa7_83 (ED2), Jacko_79 (ED1), Jaek_70 (AQ), Lupine_78 (ED1), Lyell_84 (ED2), Mistmere_78 (ED3), Molivia_74 (AQ), Musetta_83 (ED2), Necrophoxinus_86 (ED2), OlinDD_77 (ED1), Pavlo_78 (ED1), PhillyPhilly_77 (ED1), Pioneer3_77 (ED1), Platte_76 (ED1), Rings_71 (AQ), Roman_81 (ED1), RunningBrook_86 (ED2), Saradis_80 (ED1), Shroomer_89 (ED2), Solimine_81 (ED1), SorJuana_70 (AQ), SteakFry_87 (ED2), StevieWelch_85 (ED2), Tandem_77 (ED1), Thunderclap_70 (AQ), Uterion_82 (ED1), Welcome_86 (ED2), Yeezus_70 (AQ), Yuma_83 (ED2),

Start 131:

- Found in 4 of 836 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 731
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Creature_75 (BR), KimJongPhill_74 (BR), Zuko_72 (BR),

Start 132:

- Found in 14 of 836 (1.7%) of genes in pham
- Manual Annotations of this start: 13 of 731
- Called 92.9% of time when present
- Phage (with cluster) where this start called: Araceli_42 (BH), Archimedes_37 (DA), Bogota_43 (BH), Crosby_42 (BH), Henoccus_42 (BH), Intolerant_41 (BH), JackieB_42 (BH), LazerLemon_42 (BH), Microdon_41 (BH), Sapo_34 (DA), Shynx_42 (BH), Stuff_42 (BH), UNTPL_44 (BH),

Start 133:

- Found in 1 of 836 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wolfstar_82 (ED),

Start 134:

- Found in 18 of 836 (2.2%) of genes in pham
- Manual Annotations of this start: 3 of 731
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Frizzle_34 (DA), Ghobes_35 (DA), Marky_44 (BH),

Start 141:

- Found in 2 of 836 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Triscuit_58 (GG),

Start 142:

- Found in 2 of 836 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Huwbert_59 (GG),

Start 143:

- Found in 82 of 836 (9.8%) of genes in pham
- Manual Annotations of this start: 53 of 731
- Called 80.5% of time when present
- Phage (with cluster) where this start called: Agatha_53 (CT), AikoCarson_54 (CT), Amok_54 (CT), AndPeggy_50 (CT), Axym_52 (CT), Azira_49 (CT), Balloona_55 (CT), Bavidard_56 (CT), BigChungus_56 (CT), BillDoor_53 (CT), Biskit_55 (CT), Blondies_56 (CT), Bubble_51 (CT), Burnsey_53 (CT), Buttrmlkdreams_55 (CT), CanesSauce_52 (CT), CaramelLatte_52 (CT), CherryonLim_57 (CT), ChickenTender_56 (CT), ChocoMunchkin_52 (CT), Cleo_47 (CT), Cozz_51 (CT), ElJefes_58 (CT), Elinal_60 (CT), Elliott_53 (CT), Emalyn_52 (CT), Feastonyet_56 (CT), GoldHunter_53 (CT), HippoPololi_50 (CT), Horseradish_55 (CT), KayGee_58 (CT), Lauer_52 (CT), MAnor_58 (CT), MScarn_57 (CT), MaVan_49 (CT), Malvina_51 (CT), McDazzle_58 (CT), MunkgeeRoachy_51 (CT), Nibbles_48 (CT), Nina_53 (CT), Pons_58 (CT), PotPie_56 (CT), PsychoKiller_52 (CT), Quasar_53 (CT), RADical_54 (CT), RSchmailzl_54 (CT), SheckWes_60 (CT), SketchMex_53 (CT), Socotra_54 (CT), Sopespian_51 (CT), Starburst_53 (CT), SteamedHams_54 (CT), SummitAcademy_56 (CT), Survivors_49 (CT), SweatNTears_55 (CT), Tarnish_57 (CT), Tolls_54 (CT), Troje_55 (CT), Typhonmarchy_52 (CT), Vine_59 (CT), Wallaby_51 (CT), Wolfwood_49 (CT), Yarn_50 (CT), Yucky_59 (CT), Yummy_55 (CT), Zareef_49 (CT),

Start 144:

- Found in 3 of 836 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 731
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dre3_48 (CT), Fribs8_48 (CT), Gibbous_48 (CT),

Start 146:

- Found in 14 of 836 (1.7%) of genes in pham
- Manual Annotations of this start: 11 of 731
- Called 78.6% of time when present
- Phage (with cluster) where this start called: Button_57 (CT), GiKK_57 (CT), Hexbug_60 (CT), Jamzy_58 (CT), Margaret_58 (CT), Nodigi_60 (CT), Orla_60 (CT), RanchParmCat_57 (CT), RedBaron_58 (CT), Shrew_71 (singleton), Yakult_55 (CT),

Start 148:

- Found in 2 of 836 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 731
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JacoRen57_46 (AB), NoShow_58 (AB),

Start 151:

- Found in 5 of 836 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: CMP1_51 (singleton),

Start 159:

- Found in 76 of 836 (9.1%) of genes in pham
- Manual Annotations of this start: 48 of 731
- Called 85.5% of time when present
- Phage (with cluster) where this start called: Acai_73 (AU1), Altjira_78 (AU6), AreFloNak_77 (AU1), Argan_75 (AU6), Arzan_75 (FI), BarbieDoll_80 (AU6), Barbonzobean_80 (AU6), Biscute_76 (AU6), BlackHoleSun_78 (AU6), Bouchard_77 (AU2), Breylor17_68 (AU1), Brunswick_73 (AU1), CapnMurica_69 (AU1), CastorTray_75 (AU1), Caterpillar_71 (AU4), Chlochlo_78 (AU2), Darby_69 (AU1), DevitoJr_71 (AU1), Dinallo_67 (AU1), ElephantMan_72 (AU1), Elver_140 (FK), Gandionco_136 (FK), GantcherGoblin_74 (AU6), GermyBearimy_84 (FI), Gordon_69 (AU1), Hemma_70 (AU1), Issa_67 (AU1), Jazzy4900_73 (FI), JeNeSaisPas_138 (FK), KevinMinion_73 (AU6), Kinny_79 (AU6), Kureo_137 (FK), Leathea_79 (AU6), Lewando_79 (AU6), LilHuddy_77 (AU2), LucySwiss_73 (AU1), Makai_75 (AU5), Mardi_77 (AU6), Marianna39_137 (FK), MediumFry_71 (AU4), MiniBagel_73 (AU1), Muglass_77 (AU6), Navi1117_80 (AU6), Nightmare_73 (AU1), Niktson_72 (AU1), Nivinsha_74 (AU1), Paella_140 (FK), Phaby_79 (AU2), Phaila_76 (AU6), PoeMe_77 (AU6), Qui_140 (FK), Renaldo_84 (AU6), ScienceWizSam_73 (AU1), Stardrop_76 (AU6), Sunny4976_72 (FI), Synopsis_67 (AU1), Teacup_73 (AU1), Tenney120_77 (AU6), Tenno_72 (AU1), TrixiePhattel_78 (AU6), Truckee_73 (AU5), Trustiboi_70 (AU1), Uzumaki_75 (AU6), Zeina_80 (AU6), Zippen_79 (AU7),

Start 161:

- Found in 168 of 836 (20.1%) of genes in pham
- Manual Annotations of this start: 143 of 731
- Called 97.6% of time when present
- Phage (with cluster) where this start called: AddiRose_72 (JA), Aflac_87 (DJ), AlainaMarie_87 (DJ), Aloe25_87 (DJ), Arataki_85 (DJ), Arcadia_79 (AM), ArtetaBall_84 (DJ), Artorias_87 (DJ), Avazak_87 (DJ), BenitoAntonio_79 (AM), Benllo_77 (AM), BetterYeti_85 (DJ), Bing_82 (BI5), Blanky_82 (DJ), BluerMoon_85 (DJ), Boog_73 (AW), Bowling_82 (AM), BronxBay_74 (AW), Bugg_91 (DJ), Burley_85 (DJ), CWormy_84 (DJ), Camille_59 (EL), Captrips_86 (DJ), Cappybara_86 (DJ), Cheesy_80 (AM), CherryBlossom_81 (BI1), ChickyNuggy_89 (DJ), Chickenjars_87

(DJ), Circum_80 (AM), Citrus_85 (DJ), Conley_84 (DJ), Correa_77 (AM), CricKo_89 (BI4), Crocheter_86 (DJ), Daddyjeff_74 (JA), Damascus_61 (EL), Dancer_87 (DJ), Demure_85 (DJ), Dialga_86 (DJ), DizzyRudy_65 (EL), Djungelskog_73 (AW), DoctorPepper_73 (AW), DrGrey_77 (BI1), Duffington_87 (DJ), Dynamite_80 (AM), Eddiemania_87 (DJ), Eevee_75 (JA), Egad_74 (AW), Elsa_79 (AM), EndAve_88 (DJ), Esketit_77 (BI1), Espio_79 (BI1), Fazel_87 (DJ), FidgetOrca_83 (BI1), Figliar_85 (DJ), Football_91 (DJ), FortCran_87 (DJ), FrodoSwaggins_79 (BI1), FromIndy_87 (BI4), Gill_87 (DJ), GirlPower_74 (BI1), Glintora_88 (DJ), GoCrazy_77 (AM), Gravy_86 (DJ), Gusicorn_87 (DJ), Hajile_86 (BI1), Hankly_80 (AM), HazuAndZazu_78 (BI1), Heisenberger_78 (AM), HerbBucket_73 (AW), Hortihabitatio_84 (DJ), Hoshi_82 (BI1), Hydrus_85 (DJ), IceWarrior_81 (BI1), Indigenous_83 (BI1), JEGGS_78 (AM), Jaylociraptor_81 (BI1), Jeremy4pt0_73 (AW), Jodelie19_85 (DJ), JoyLin_76 (JA), JulesRay_86 (DJ), Kardashian_78 (BI6), Kardesai_80 (AM), KeaneyLin_76 (AM), Kenosha_85 (DJ), Kerry_86 (DJ), LibertyBell_74 (BI3), Linda_74 (AW), Luthien_87 (DJ), Madamato_80 (BI1), Madvan_85 (DJ), Magel_88 (DJ), MajinBuu_87 (DJ), Maya_81 (BI1), Meibysrarus_79 (BI1), Michelle_74 (AW), Miek_83 (BI4), Mooshroom_81 (AM), Mossy_85 (DJ), MrAaronian_74 (AW), Mudcat_75 (AM), Mysticmoon_84 (DJ), Nadmeg_85 (DJ), Namo_83 (BI1), NapoleonB_81 (AM), Nason_79 (AM), Natasha_77 (AW), Nithya_86 (DJ), NoPickles_88 (DJ), Odesza_86 (DJ), OhMyWard_81 (DJ), OlgasClover_88 (DJ), OlympicHelado_83 (BI1), Onestar_73 (AW), Perkunas_88 (DJ), PestoPenguin_87 (DJ), Petite_87 (DJ), Phepper_87 (DJ), Pherobrine_84 (DJ), Popy_79 (BI1), Powelldog_77 (AW), ProfFrink_74 (AW), Rainydai_86 (BI4), Raunak_75 (AW), Regigigas_89 (BI4), Rickmore_86 (DJ), Rima_82 (BI1), Roney_85 (DJ), Runhaar_84 (DJ), RustyBoy_78 (AW), Salk_74 (AW), Schwartz33_83 (DJ), Secretariat_79 (DJ), SendItCS_81 (BI4), Serenabean_73 (JA), ShaggyRogers_85 (DJ), Shiba_73 (AW), Sloopyjoe_74 (AW), Soshi_80 (BI1), Spectropatronm_80 (BI1), Sporto_73 (AW), Sprinkle_75 (AW), StarLord_74 (AW), Stardom_79 (AM), Stayer_74 (AW), SweetCrkHerbs_89 (DJ), TaidaOne_81 (BI1), Tairn4Wing_90 (DJ), Talon44_89 (DJ), Tanis_87 (DJ), TenaciousP_87 (DJ), Thiqqums_89 (BI4), TieDye_77 (BI1), Tonaltzin_86 (DJ), TonyStarch_80 (BI1), Tribby_82 (AM), Trufflozitus_88 (DJ), Untouchable_88 (DJ), Vardy_85 (DJ), Wigberry_84 (BI5), Xenomorph_75 (AM), YoshiYama_81 (AM), Yotsuba_76 (JA), Zeph_88 (DJ),

Start 162:

- Found in 27 of 836 (3.2%) of genes in pham
- Manual Annotations of this start: 15 of 731
- Called 63.0% of time when present
- Phage (with cluster) where this start called: Annihilus_54 (BI2), Bilo_53 (BI2), ClubPenguin_86 (BI7), Count_93 (EL), Ditters_52 (BI2), Doxi13_55 (BI2), GoblinVoyage_54 (BI2), HotFries_52 (BI2), Monse_53 (BI2), Moozy_53 (BI2), Natsu_52 (BI2), PherryCruz_53 (BI2), RavenPuff_54 (BI2), RosaAsantewaa_50 (BI2), Sangak_53 (BI2), Scap1_51 (BI2), SheRa_54 (BI2),

Start 164:

- Found in 66 of 836 (7.9%) of genes in pham
- No Manual Annotations of this start.
- Called 1.5% of time when present
- Phage (with cluster) where this start called: Westerlin_69 (AU1),

Start 177:

- Found in 5 of 836 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 731

- Called 40.0% of time when present
- Phage (with cluster) where this start called: BouleyBill_39 (EA4), Kauala_39 (EA4),

Start 180:

- Found in 99 of 836 (11.8%) of genes in pham
- Manual Annotations of this start: 9 of 731
- Called 10.1% of time when present
- Phage (with cluster) where this start called: Anandi_81 (AU4), Giantsbane_77 (AU2), Ingrid_79 (AU3), Inked_79 (AU7), Loretta_75 (AU3), Mema_60 (EL), Shepard_78 (AU2), Tatanka_66 (AU1), Tipton_79 (AU2), Tokki_83 (AU2),

Start 183:

- Found in 3 of 836 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 731
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kavo_38 (EA11), Penta_37 (EA11), WestPM_37 (EA11),

Start 184:

- Found in 2 of 836 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Schubert_39 (EA8),

Start 185:

- Found in 16 of 836 (1.9%) of genes in pham
- No Manual Annotations of this start.
- Called 6.2% of time when present
- Phage (with cluster) where this start called: CN1A_14 (singleton),

Start 186:

- Found in 183 of 836 (21.9%) of genes in pham
- Manual Annotations of this start: 151 of 731
- Called 86.3% of time when present
- Phage (with cluster) where this start called: Acosta_42 (EA1), Adelaide_46 (EP), Agente005_41 (EA1), Alakazam_40 (EA5), AlexAdler_41 (EA1), Alyxandracam_41 (EA1), Antoinette_41 (EA1), AranulaLuti_40 (EA1), Asta_40 (EA1), Aubergine_40 (EA1), AxiPup_41 (EA1), Baines_40 (EA1), Balsa_40 (EA1), Bandik_41 (EA1), BeautPeep30_41 (EA1), BeeBee8_41 (EA1), Benjalauren_41 (EA1), BigRedClifford_41 (EA1), Blage_41 (EA1), BonesMcCoy_41 (EA1), Bonino_40 (EA1), Bustleton_39 (EA4), Byron23_42 (EA1), Calix_40 (EA1), Chako_40 (EA1), Chamuel_40 (EA1), Cheeto1_42 (EA9), ChickenKing_40 (EA9), Christoph_40 (EA1), Clancy_40 (EA1), Clock_40 (EA5), Convict_41 (EA1), CoraRita_40 (EA1), Dave_41 (EA1), Delphidian_41 (EA1), Den3_41 (EA1), Dina_47 (EP), Dothraki_41 (EA1), Duocatuli_40 (EA1), Endor_41 (EA1), Erla_40 (EA1), Espinosa_40 (EA1), Etna_40 (EA1), Etta_40 (EA1), Exploradora_40 (EA1), FarmerDoug_40 (EA1), Figueroism_41 (EA1), GaeCeo_42 (EA9), GardenB_40 (EA1), Garey24_41 (EA1), Gargoyles_41 (EA1), Gelo_40 (EA1), Gershwin_40 (EA1), GoingMerry_41 (EA1), Golden_39 (EA4), GoneGirl_41 (EA1), Greys_41 (EA1), Gubbabump_40 (EA1), HairyMan_37 (EA10), Hamlet_40 (EA1), HanSolo_40 (EA1), HankSprout_41 (EA1), HavenFinLeoSun_42 (EA1), HungryHenry_40 (EA1), Ilzat_40 (EA1), Inventa_41 (EA1), Ioannes_41 (EA1), Janus167_40 (EA1), JasonD_43 (EA1), JasperRussell_40 (EA1), Jerbirus_42 (EA1), JeriBeth_40 (EA1), Kale_40 (EA1), KannH_40 (EA1), KellyGreen_42 (EA1),

KingJulien_40 (EA1), Klimt_41 (EA1), Knox_41 (EA1), Koji_39 (EA4), Kouch_41 (EA1), Kurt1_41 (EA1), Leafus_40 (EA1), Lederberg_45 (EP), Lovelyunicorn_41 (EA1), Lucky3_39 (EA4), Ludgate_41 (EA1), MaeLinda_41 (EA1), ManRay_40 (EA1), Martin_42 (EA1), Merida02_43 (EA1), MillyPhilly_41 (EA1), MonChoix_39 (EA1), MrWorldwide_41 (EA1), Nagem_41 (EA1), Nattles_40 (EA1), Nebulous_39 (EA5), Neferthena_41 (EA5), NickSell_41 (EA1), Oats_40 (EA1), OldNelly_42 (EA1), Oxtober96_42 (EA1), Papafritta_40 (EA1), ParleG_41 (EA1), Peep_41 (EA1), Peppino_40 (EA1), Phanita_41 (EA2), Pherbot_39 (EA4), Pherferi_41 (EA1), Phiderman_41 (EA1), Phireproof_41 (EA1), PhredFlintston_41 (EA1), Phriends_41 (EA1), Pocket_40 (EA1), PorkBelly_54 (FJ), PrincePhergus_39 (EA4), PuppyEggo_41 (EA1), Raccoon_40 (EA1), Rapheph_41 (EA1), Raptor_41 (EA1), Redfield_40 (EA1), Renzie_41 (EA1), Rihhil_41 (EA1), Robinson_41 (EA1), Rog141_40 (EA1), RosieMae_40 (EA1), SJay_41 (EA1), SamW_45 (EP), Schnapsidee_40 (EA1), Sedgewig_40 (EA1), ShaiHulud_41 (EA1), Shee_41 (EA1), Sinatra_40 (EA4), SoilGremlin_42 (EA1), SolidSnake_43 (EA1), SonOfLevi_41 (EA1), Soror1_40 (EA1), StAB_50 (EP), Stanktossa_41 (EA1), Stiles_49 (EP), StingRay_40 (EA1), StirfryIV_40 (EA1), Stormbreaker8_40 (EA1), Strathdee_41 (EA1), Superfresh_41 (EA1), Symere_40 (EA1), TatarkaPM_41 (EA1), Teagan_41 (EA1), TeddyBear_40 (EA1), Tenda_40 (EA1), Thompsons_41 (EA1), Thorongil_41 (EA1), TinSulphur_42 (EA1), Troy_45 (EP), Velene_41 (EA1), Vispistious_41 (EA1), WildNOut_41 (EA1), Winzigespinne_40 (EA1), Zada_42 (EA1),

Start 188:

- Found in 29 of 836 (3.5%) of genes in pham
- Manual Annotations of this start: 25 of 731
- Called 93.1% of time when present
- Phage (with cluster) where this start called: BaronJohn_40 (EA5), CaptainRex_40 (EA5), CarisSwetlik_43 (EA1), Chepli_42 (EA6), Fulton_40 (EA5), GreenIvy_40 (EA5), Hasitha_40 (EA5), HerculesXL_40 (EA11), Jemerald_42 (EA6), Jenos_44 (EA1), Juicer_42 (EA6), KatChan_42 (EA6), Librie_40 (EA5), LilTerminator_40 (EA5), Luna18_42 (EA6), McGalleon_43 (EA1), Mercedes_36 (EA), QuadZero_39 (EA5), Schimmels22_39 (EA11), Scissor2024_40 (EA11), Tinyman4_39 (EA11), TwoBits_39 (EA5), Vafari_40 (EA5), Wardwill_42 (EA5), WilliamStrong_40 (EA6), Zayuliv_40 (EA5), Zepp_40 (EA5),

Start 190:

- Found in 1 of 836 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Morrigan_42 (EA6),

Start 191:

- Found in 1 of 836 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LuckyBarnes_64 (singleton),

Start 192:

- Found in 116 of 836 (13.9%) of genes in pham
- Manual Annotations of this start: 23 of 731
- Called 23.3% of time when present
- Phage (with cluster) where this start called: Andromedas_40 (EA2), Carostasia_39 (EA10), Casey_37 (EA3), ChikPic_40 (EA2), Cidela_38 (EA10), ColaCorta_40 (EA2),

Eleri_40 (EA2), Fabyndrax_38 (EA10), Glamour_40 (EA2), Guetzie_40 (EA4), Jingles_40 (EA4), Juanyo_39 (EA10), MCubed_40 (EA2), Mandalorian_39 (EA10), MiniVolent_38 (EA10), Nucci_39 (EA10), PSirce_40 (EA2), Pajaza_37 (EA3), Pikmin_37 (EA3), Quartz_40 (EA10), Sansa_39 (EA2), Saratos_40 (EA2), Shamu_41 (EA2), SirVictor_40 (EA4), Xebius_40 (EA2), YuyuY_40 (EA10), Zenitsu_40 (EA2),

Start 195:

- Found in 97 of 836 (11.6%) of genes in pham
- No Manual Annotations of this start.
- Called 3.1% of time when present
- Phage (with cluster) where this start called: Carsonalex_56 (CT), CocoaPuff_56 (CT), GTE2_44 (CT),

Start 204:

- Found in 90 of 836 (10.8%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 2.2% of time when present
- Phage (with cluster) where this start called: Finny_41 (EA2), Orpington_41 (EA2),

Start 239:

- Found in 15 of 836 (1.8%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Pippin15_76 (JA),

Start 243:

- Found in 8 of 836 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Ixel_41 (EA11),

Start 244:

- Found in 159 of 836 (19.0%) of genes in pham
- No Manual Annotations of this start.
- Called 0.6% of time when present
- Phage (with cluster) where this start called: Spain_74 (AW),

Start 255:

- Found in 17 of 836 (2.0%) of genes in pham
- Manual Annotations of this start: 1 of 731
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Sweetclover_73 (JA),

Start 270:

- Found in 164 of 836 (19.6%) of genes in pham
- No Manual Annotations of this start.
- Called 1.8% of time when present
- Phage (with cluster) where this start called: Aleyra_41 (EA1), PhillyPhantom_40 (EA1), RenegadeRaider_42 (EA4),

Start 274:

- Found in 209 of 836 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 731

- Called 0.5% of time when present
- Phage (with cluster) where this start called: Mayweather_61 (CT),

Start 288:

- Found in 23 of 836 (2.8%) of genes in pham
- No Manual Annotations of this start.
- Called 4.3% of time when present
- Phage (with cluster) where this start called: GTE5_60 (CR1),

Summary by clusters:

There are 58 clusters represented in this pham: singleton, DJ, ED3, BI1, BM, BN, BH, DA, ED2, BI6, ED1, BR, FI, JD, UNK, FJ, FK, JA, BI5, EA9, EA5, EP, AU1, AU3, AU2, AU5, AU4, AU7, AU6, CT, EL, AB, EJ, CC, ED, AK, EF, AM, AQ, EA8, GC, GB, AW, EA1, BI7, EA3, EA2, BI2, EA4, EA7, EA6, GG, CR1, EA11, EA10, EA, BI4, BI3,

Info for manual annotations of cluster AB:

- Start number 123 was manually annotated 2 times for cluster AB.
- Start number 148 was manually annotated 2 times for cluster AB.

Info for manual annotations of cluster AK:

- Start number 123 was manually annotated 73 times for cluster AK.

Info for manual annotations of cluster AM:

- Start number 161 was manually annotated 21 times for cluster AM.

Info for manual annotations of cluster AQ:

- Start number 129 was manually annotated 13 times for cluster AQ.

Info for manual annotations of cluster AU1:

- Start number 159 was manually annotated 19 times for cluster AU1.
- Start number 180 was manually annotated 1 time for cluster AU1.

Info for manual annotations of cluster AU2:

- Start number 159 was manually annotated 4 times for cluster AU2.
- Start number 180 was manually annotated 4 times for cluster AU2.

Info for manual annotations of cluster AU3:

- Start number 180 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU4:

- Start number 159 was manually annotated 2 times for cluster AU4.
- Start number 180 was manually annotated 1 time for cluster AU4.

Info for manual annotations of cluster AU5:

- Start number 159 was manually annotated 2 times for cluster AU5.

Info for manual annotations of cluster AU6:

- Start number 159 was manually annotated 16 times for cluster AU6.

Info for manual annotations of cluster AU7:

- Start number 159 was manually annotated 1 time for cluster AU7.
- Start number 180 was manually annotated 1 time for cluster AU7.

Info for manual annotations of cluster AW:

- Start number 161 was manually annotated 19 times for cluster AW.

Info for manual annotations of cluster BH:

- Start number 132 was manually annotated 11 times for cluster BH.
- Start number 134 was manually annotated 1 time for cluster BH.

Info for manual annotations of cluster BI1:

- Start number 161 was manually annotated 24 times for cluster BI1.

Info for manual annotations of cluster BI2:

- Start number 162 was manually annotated 13 times for cluster BI2.

Info for manual annotations of cluster BI3:

- Start number 161 was manually annotated 1 time for cluster BI3.

Info for manual annotations of cluster BI4:

- Start number 161 was manually annotated 5 times for cluster BI4.

Info for manual annotations of cluster BI5:

- Start number 161 was manually annotated 2 times for cluster BI5.

Info for manual annotations of cluster BI6:

- Start number 161 was manually annotated 1 time for cluster BI6.

Info for manual annotations of cluster BI7:

- Start number 162 was manually annotated 1 time for cluster BI7.

Info for manual annotations of cluster BM:

- Start number 79 was manually annotated 9 times for cluster BM.

Info for manual annotations of cluster BN:

- Start number 20 was manually annotated 1 time for cluster BN.
- Start number 23 was manually annotated 8 times for cluster BN.

Info for manual annotations of cluster BR:

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

Info for manual annotations of cluster CC:

- Start number 19 was manually annotated 1 time for cluster CC.

Info for manual annotations of cluster CT:

- Start number 143 was manually annotated 53 times for cluster CT.
- Start number 144 was manually annotated 3 times for cluster CT.
- Start number 146 was manually annotated 10 times for cluster CT.
- Start number 274 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster DA:

- Start number 132 was manually annotated 2 times for cluster DA.
- Start number 134 was manually annotated 2 times for cluster DA.

Info for manual annotations of cluster DJ:

- Start number 161 was manually annotated 61 times for cluster DJ.

Info for manual annotations of cluster EA:

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

Info for manual annotations of cluster EA1:

- Start number 123 was manually annotated 1 time for cluster EA1.
- Start number 186 was manually annotated 128 times for cluster EA1.
- Start number 188 was manually annotated 3 times for cluster EA1.

Info for manual annotations of cluster EA10:

- Start number 186 was manually annotated 1 time for cluster EA10.
- Start number 192 was manually annotated 6 times for cluster EA10.

Info for manual annotations of cluster EA11:

- Start number 183 was manually annotated 2 times for cluster EA11.
- Start number 188 was manually annotated 3 times for cluster EA11.
- Start number 243 was manually annotated 1 time for cluster EA11.

Info for manual annotations of cluster EA2:

- Start number 186 was manually annotated 1 time for cluster EA2.
- Start number 192 was manually annotated 11 times for cluster EA2.
- Start number 204 was manually annotated 1 time for cluster EA2.

Info for manual annotations of cluster EA3:

- Start number 192 was manually annotated 3 times for cluster EA3.

Info for manual annotations of cluster EA4:

- Start number 177 was manually annotated 2 times for cluster EA4.
- Start number 186 was manually annotated 7 times for cluster EA4.
- Start number 192 was manually annotated 3 times for cluster EA4.

Info for manual annotations of cluster EA5:

- Start number 186 was manually annotated 4 times for cluster EA5.
- Start number 188 was manually annotated 12 times for cluster EA5.

Info for manual annotations of cluster EA6:

- Start number 188 was manually annotated 6 times for cluster EA6.
- Start number 190 was manually annotated 1 time for cluster EA6.

Info for manual annotations of cluster EA7:

- Start number 126 was manually annotated 1 time for cluster EA7.

Info for manual annotations of cluster EA8:

- Start number 184 was manually annotated 1 time for cluster EA8.

Info for manual annotations of cluster EA9:

- Start number 186 was manually annotated 3 times for cluster EA9.

Info for manual annotations of cluster ED:

- Start number 133 was manually annotated 1 time for cluster ED.

Info for manual annotations of cluster ED1:

- Start number 129 was manually annotated 13 times for cluster ED1.

Info for manual annotations of cluster ED2:

- Start number 129 was manually annotated 15 times for cluster ED2.

Info for manual annotations of cluster EF:

- Start number 12 was manually annotated 1 time for cluster EF.
- Start number 27 was manually annotated 36 times for cluster EF.
- Start number 29 was manually annotated 6 times for cluster EF.

Info for manual annotations of cluster EJ:

- Start number 121 was manually annotated 1 time for cluster EJ.
- Start number 124 was manually annotated 2 times for cluster EJ.
- Start number 126 was manually annotated 18 times for cluster EJ.

Info for manual annotations of cluster EL:

- Start number 161 was manually annotated 3 times for cluster EL.
- Start number 162 was manually annotated 1 time for cluster EL.

Info for manual annotations of cluster EP:

- Start number 186 was manually annotated 7 times for cluster EP.

Info for manual annotations of cluster FK:

- Start number 159 was manually annotated 4 times for cluster FK.

Info for manual annotations of cluster GB:

- Start number 101 was manually annotated 5 times for cluster GB.

Info for manual annotations of cluster GC:

- Start number 9 was manually annotated 4 times for cluster GC.

Info for manual annotations of cluster GG:

- Start number 141 was manually annotated 1 time for cluster GG.
- Start number 142 was manually annotated 1 time for cluster GG.

Info for manual annotations of cluster JA:

- Start number 161 was manually annotated 6 times for cluster JA.
- Start number 239 was manually annotated 1 time for cluster JA.
- Start number 255 was manually annotated 1 time for cluster JA.

Info for manual annotations of cluster JD:

- Start number 70 was manually annotated 2 times for cluster JD.

Gene Information:

Gene: 8UZL_50 Start: 38971, Stop: 37460, Start Num: 123

Candidate Starts for 8UZL_50:

(Start: 123 @38971 has 76 MA's), (145, 38935), (194, 38845), (195, 38842), (214, 38794), (257, 38725), (309, 38611), (380, 38482), (403, 38431), (406, 38425), (409, 38419), (425, 38395), (441, 38341), (508, 38200), (509, 38197), (526, 38140), (548, 38068), (549, 38065), (633, 37870), (652, 37825), (687, 37720), (707, 37660), (772, 37492), (788, 37471),

Gene: ASegato_82 Start: 49650, Stop: 48130, Start Num: 129

Candidate Starts for ASegato_82:

(111, 49683), (Start: 129 @49650 has 41 MA's), (153, 49599), (207, 49491), (245, 49425), (283, 49359), (325, 49242), (336, 49221), (364, 49164), (386, 49131), (387, 49128), (420, 49065), (437, 49014), (440, 49005), (444, 48996), (446, 48990), (457, 48966), (466, 48942), (486, 48903), (492, 48888), (510, 48837), (516, 48819), (546, 48726), (558, 48699), (574, 48654), (651, 48468), (697, 48360), (705, 48330), (717, 48285), (734, 48234), (771, 48171),

Gene: Acai_73 Start: 47896, Stop: 49131, Start Num: 159

Candidate Starts for Acai_73:

(155, 47890), (Start: 159 @47896 has 48 MA's), (164, 47905), (174, 47935), (Start: 180 @47944 has 9 MA's), (218, 48022), (244, 48070), (308, 48202), (341, 48274), (371, 48337), (385, 48367), (419, 48436), (452, 48529), (454, 48535), (476, 48571), (514, 48673), (676, 48853), (679, 48859), (707, 48934), (717, 48967), (720, 48979), (721, 48982), (749, 49051), (756, 49069),

Gene: Acosta_42 Start: 31547, Stop: 30141, Start Num: 186

Candidate Starts for Acosta_42:

(65, 31790), (Start: 132 @31649 has 13 MA's), (Start: 134 @31646 has 3 MA's), (136, 31643), (Start: 186 @31547 has 151 MA's), (270, 31400), (Start: 274 @31394 has 1 MA's), (319, 31277), (335, 31250), (360, 31190), (376, 31163), (378, 31160), (380, 31157), (427, 31064), (439, 31022), (511, 30860), (514, 30851), (523, 30830), (527, 30824), (572, 30731), (583, 30695), (590, 30671), (622, 30596), (669, 30482), (690, 30422), (698, 30398), (699, 30392), (704, 30380), (749, 30257), (759, 30230), (771, 30203),

Gene: AddiRose_72 Start: 45664, Stop: 46920, Start Num: 161

Candidate Starts for AddiRose_72:

(Start: 161 @45664 has 143 MA's), (Start: 192 @45724 has 23 MA's), (193, 45727), (196, 45739), (207, 45766), (228, 45802), (342, 46039), (371, 46099), (373, 46102), (385, 46129), (434, 46243), (438, 46255), (449, 46285), (452, 46291), (476, 46333), (491, 46366), (510, 46423), (518, 46447), (529, 46480), (532, 46489), (549, 46543), (576, 46567), (707, 46693), (708, 46696), (711, 46708), (725, 46759),

Gene: Adelaide_46 Start: 37262, Stop: 38638, Start Num: 186

Candidate Starts for Adelaide_46:

(Start: 186 @37262 has 151 MA's), (221, 37331), (231, 37349), (283, 37442), (303, 37502), (306, 37508), (307, 37511), (376, 37631), (387, 37649), (439, 37766), (498, 37904), (514, 37943), (525, 37976), (527, 37982), (532, 37997), (545, 38036), (578, 38096), (586, 38120), (605, 38156), (643, 38225), (645, 38231), (677, 38312), (708, 38408), (711, 38420), (715, 38432), (730, 38489), (734, 38495), (741, 38507), (754, 38537), (778, 38588),

Gene: Aesir_39 Start: 25591, Stop: 27498, Start Num: 27

Candidate Starts for Aesir_39:

(5, 25417), (Start: 27 @25591 has 36 MA's), (35, 25654), (41, 25675), (54, 25729), (112, 25864), (135, 25906), (156, 25951), (249, 26125), (254, 26134), (297, 26224), (311, 26266), (317, 26281), (410, 26467), (469, 26602), (475, 26614), (490, 26647), (523, 26740), (534, 26776), (569, 26866), (576, 26893), (690, 27202), (691, 27205), (707, 27265), (737, 27355), (753, 27385), (771, 27427), (799, 27478),

Gene: Aflac_87 Start: 55099, Stop: 56313, Start Num: 161

Candidate Starts for Aflac_87:

(Start: 161 @55099 has 143 MA's), (164, 55105), (Start: 192 @55159 has 23 MA's), (193, 55162), (196, 55174), (207, 55201), (221, 55225), (252, 55267), (279, 55309), (288, 55336), (291, 55342), (306, 55381), (341, 55459), (342, 55462), (371, 55522), (421, 55624), (431, 55654), (448, 55705), (452, 55714), (474, 55753), (487, 55780), (489, 55786), (492, 55792), (504, 55828), (510, 55846), (513, 55855), (514, 55858), (517, 55867), (531, 55909), (538, 55936), (547, 55960), (576, 55990), (695, 56077), (725, 56185), (749, 56236), (759, 56263), (773, 56296),

Gene: Agatha_53 Start: 38842, Stop: 37364, Start Num: 143

Candidate Starts for Agatha_53:

(Start: 143 @38842 has 53 MA's), (193, 38755), (195, 38749), (244, 38647), (307, 38524), (308, 38521), (403, 38338), (406, 38332), (409, 38326), (441, 38248), (495, 38134), (508, 38107), (514, 38083), (534, 38023), (548, 37978), (559, 37957), (578, 37918), (584, 37900), (631, 37783), (652, 37735), (653, 37732), (657, 37717), (691, 37621), (698, 37600), (707, 37570),

Gene: Agente005_41 Start: 31381, Stop: 29990, Start Num: 186

Candidate Starts for Agente005_41:

(Start: 186 @31381 has 151 MA's), (270, 31234), (Start: 274 @31228 has 1 MA's), (276, 31225), (319, 31111), (360, 31024), (376, 30997), (378, 30994), (427, 30898), (439, 30856), (514, 30685), (523, 30664), (534, 30637), (549, 30589), (583, 30529), (669, 30316), (675, 30298), (698, 30232), (699, 30226), (704, 30214), (734, 30118), (759, 30064), (760, 30061), (793, 30007),

Gene: AikoCarson_54 Start: 39107, Stop: 37629, Start Num: 143

Candidate Starts for AikoCarson_54:

(Start: 143 @39107 has 53 MA's), (193, 39020), (195, 39014), (244, 38912), (297, 38813), (305, 38795), (307, 38789), (310, 38780), (378, 38657), (403, 38603), (406, 38597), (409, 38591), (441, 38513), (495, 38399), (508, 38372), (514, 38348), (527, 38309), (540, 38267), (548, 38243), (559, 38222), (584, 38165), (631, 38048), (652, 38000), (653, 37997), (657, 37982), (691, 37886), (698, 37865), (707, 37835), (716, 37805), (772, 37667),

Gene: Ajin_42 Start: 26641, Stop: 28575, Start Num: 29

Candidate Starts for Ajin_42:

(3, 26401), (Start: 12 @26545 has 1 MA's), (26, 26635), (Start: 29 @26641 has 6 MA's), (54, 26788), (59, 26806), (63, 26815), (135, 26965), (198, 27091), (249, 27181), (254, 27190), (297, 27280), (311, 27322), (322, 27352), (393, 27484), (475, 27670), (483, 27688), (490, 27703), (511, 27760), (531, 27820), (556, 27892), (597, 28030), (624, 28096), (635, 28126), (666, 28204), (691, 28282), (707, 28342), (719, 28381), (737, 28432), (749, 28450), (801, 28558),

Gene: AlainaMarie_87 Start: 55154, Stop: 56368, Start Num: 161

Candidate Starts for AlainaMarie_87:

(Start: 161 @55154 has 143 MA's), (164, 55160), (Start: 192 @55214 has 23 MA's), (196, 55229), (207, 55256), (209, 55259), (221, 55280), (252, 55322), (279, 55364), (288, 55391), (291, 55397), (306, 55436), (341, 55514), (342, 55517), (371, 55577), (421, 55679), (439, 55736), (449, 55763), (452, 55769), (470, 55799), (474, 55808), (476, 55811), (487, 55835), (492, 55847), (500, 55874), (504, 55883), (510, 55901), (513, 55910), (514, 55913), (517, 55922), (522, 55937), (528, 55955), (532, 55967), (538, 55991), (547, 56015), (576, 56045), (604, 56060), (695, 56132), (725, 56240), (749, 56291), (759, 56318), (773, 56351),

Gene: Alakazam_40 Start: 30804, Stop: 29374, Start Num: 186

Candidate Starts for Alakazam_40:

(Start: 186 @30804 has 151 MA's), (199, 30771), (Start: 274 @30651 has 1 MA's), (276, 30648), (297, 30588), (315, 30537), (325, 30516), (332, 30504), (376, 30411), (378, 30408), (436, 30276), (493, 30153), (514, 30096), (523, 30075), (534, 30048), (535, 30036), (545, 30015), (566, 29958), (572, 29937), (583, 29901), (587, 29889), (600, 29847), (612, 29820), (619, 29805), (648, 29742), (654, 29730), (687, 29634), (691, 29625), (697, 29610), (698, 29604), (699, 29598), (739, 29481), (749, 29463), (753, 29451), (771, 29409),

Gene: Albanese_29 Start: 22144, Stop: 23535, Start Num: 123

Candidate Starts for Albanese_29:

(Start: 123 @22144 has 76 MA's), (173, 22231), (215, 22303), (217, 22306), (253, 22369), (254, 22372), (268, 22390), (271, 22396), (289, 22423), (317, 22480), (350, 22531), (379, 22570), (405, 22606), (414, 22624), (433, 22660), (441, 22681), (448, 22699), (464, 22732), (488, 22771), (503, 22813), (512, 22840), (521, 22864), (533, 22900), (534, 22906), (545, 22939), (549, 22954), (554, 22963), (576, 23008), (592, 23041), (593, 23044), (630, 23128), (641, 23149), (646, 23161), (655, 23179), (686, 23269), (696, 23290), (697, 23293), (705, 23317), (706, 23326), (734, 23413), (790, 23503), (800, 23527),

Gene: Aledel_26 Start: 21745, Stop: 23139, Start Num: 123

Candidate Starts for Aledel_26:

(Start: 123 @21745 has 76 MA's), (158, 21802), (Start: 204 @21889 has 1 MA's), (215, 21907), (217, 21910), (268, 21994), (289, 22027), (313, 22078), (317, 22084), (360, 22144), (379, 22174), (405, 22210), (414, 22228), (441, 22285), (448, 22303), (451, 22309), (464, 22336), (503, 22417), (512, 22444), (521, 22468), (526, 22483), (534, 22510), (545, 22543), (549, 22558), (609, 22690), (625, 22726), (641, 22753), (646, 22765), (655, 22783), (686, 22873), (690, 22879), (696, 22894), (697, 22897), (706, 22930), (723, 22990), (734, 23017), (768, 23074), (790, 23107), (800, 23131),

Gene: AlexAdler_41 Start: 31109, Stop: 29721, Start Num: 186

Candidate Starts for AlexAdler_41:

(74, 31331), (Start: 186 @31109 has 151 MA's), (270, 30965), (Start: 274 @30959 has 1 MA's), (276, 30956), (319, 30842), (335, 30815), (360, 30755), (376, 30728), (378, 30725), (427, 30629), (439, 30587), (514, 30416), (523, 30395), (530, 30380), (534, 30368), (549, 30320), (583, 30260), (619, 30164), (648, 30101), (669, 30047), (698, 29963), (699, 29957), (704, 29945), (734, 29849), (759, 29795), (760, 29792), (771, 29768),

Gene: Aleyra_41 Start: 31239, Stop: 29995, Start Num: 270

Candidate Starts for Aleyra_41:

(Start: 186 @31386 has 151 MA's), (270, 31239), (Start: 274 @31233 has 1 MA's), (276, 31230), (319, 31116), (360, 31029), (376, 31002), (378, 30999), (409, 30933), (427, 30903), (439, 30861), (514, 30690), (523, 30669), (534, 30642), (549, 30594), (583, 30534), (669, 30321), (675, 30303), (698, 30237), (699, 30231), (704, 30219), (734, 30123), (759, 30069), (760, 30066), (793, 30012),

Gene: Alleb_76 Start: 48902, Stop: 47379, Start Num: 129

Candidate Starts for Alleb_76:

(91, 48968), (106, 48941), (Start: 129 @48902 has 41 MA's), (202, 48752), (207, 48743), (263, 48647), (282, 48614), (291, 48587), (310, 48533), (329, 48488), (330, 48485), (386, 48380), (387, 48377), (440, 48254), (444, 48245), (448, 48233), (473, 48179), (510, 48086), (545, 47978), (558, 47948), (560, 47942), (561, 47939), (562, 47936), (574, 47903), (577, 47891), (626, 47765), (651, 47717), (690, 47627), (697, 47609), (709, 47561), (762, 47438),

Gene: Aloe25_87 Start: 54312, Stop: 55526, Start Num: 161

Candidate Starts for Aloe25_87:

(Start: 161 @54312 has 143 MA's), (164, 54318), (Start: 192 @54372 has 23 MA's), (193, 54375), (196, 54387), (218, 54435), (221, 54438), (252, 54480), (279, 54522), (291, 54555), (306, 54594),

(341, 54672), (342, 54675), (371, 54735), (447, 54915), (448, 54918), (449, 54921), (452, 54927), (474, 54966), (487, 54993), (492, 55005), (500, 55032), (504, 55041), (510, 55059), (513, 55068), (514, 55071), (517, 55080), (532, 55125), (538, 55149), (547, 55173), (684, 55272), (690, 55278), (695, 55290), (707, 55332), (725, 55398), (735, 55419), (749, 55449), (773, 55509),

Gene: Alove_33 Start: 23258, Stop: 24685, Start Num: 126

Candidate Starts for Alove_33:

(102, 23216), (Start: 126 @23258 has 19 MA's), (300, 23576), (389, 23723), (405, 23744), (519, 24011), (534, 24059), (539, 24080), (569, 24137), (578, 24170), (595, 24206), (630, 24284), (641, 24305), (675, 24386), (676, 24389), (706, 24476), (710, 24488), (721, 24527), (734, 24563), (738, 24569), (745, 24581), (782, 24644),

Gene: Altjira_78 Start: 47095, Stop: 48342, Start Num: 159

Candidate Starts for Altjira_78:

(Start: 159 @47095 has 48 MA's), (Start: 239 @47257 has 1 MA's), (244, 47269), (279, 47323), (308, 47401), (342, 47476), (385, 47566), (390, 47575), (431, 47668), (452, 47728), (491, 47803), (514, 47872), (749, 48247), (756, 48265),

Gene: Alyxandracam_41 Start: 31119, Stop: 29731, Start Num: 186

Candidate Starts for Alyxandracam_41:

(4, 31770), (50, 31416), (74, 31341), (Start: 186 @31119 has 151 MA's), (270, 30975), (Start: 274 @30969 has 1 MA's), (276, 30966), (319, 30852), (335, 30825), (360, 30765), (376, 30738), (378, 30735), (427, 30639), (439, 30597), (514, 30426), (530, 30390), (534, 30378), (545, 30345), (549, 30330), (583, 30270), (619, 30174), (648, 30111), (669, 30057), (698, 29973), (699, 29967), (704, 29955), (734, 29859), (759, 29805), (760, 29802), (771, 29778),

Gene: Amavida_72 Start: 47198, Stop: 45804, Start Num: 129

Candidate Starts for Amavida_72:

(Start: 129 @47198 has 41 MA's), (165, 47129), (202, 47054), (212, 47036), (232, 47006), (281, 46925), (291, 46895), (302, 46871), (426, 46631), (437, 46592), (489, 46478), (513, 46427), (531, 46406), (540, 46376), (546, 46361), (549, 46349), (594, 46268), (626, 46220), (641, 46193), (651, 46172), (680, 46088), (705, 46022), (790, 45833), (796, 45821),

Gene: Amigo_71 Start: 47416, Stop: 46022, Start Num: 129

Candidate Starts for Amigo_71:

(Start: 129 @47416 has 41 MA's), (165, 47347), (202, 47272), (212, 47254), (232, 47224), (281, 47143), (426, 46849), (437, 46810), (489, 46696), (531, 46624), (540, 46594), (546, 46579), (549, 46567), (578, 46516), (610, 46465), (621, 46447), (626, 46438), (651, 46390), (705, 46240), (790, 46051),

Gene: Amok_54 Start: 39035, Stop: 37557, Start Num: 143

Candidate Starts for Amok_54:

(Start: 143 @39035 has 53 MA's), (193, 38948), (195, 38942), (244, 38840), (Start: 274 @38798 has 1 MA's), (297, 38741), (305, 38723), (307, 38717), (378, 38585), (403, 38531), (406, 38525), (409, 38519), (441, 38441), (495, 38327), (508, 38300), (514, 38276), (527, 38237), (540, 38195), (548, 38171), (559, 38150), (581, 38102), (584, 38093), (631, 37976), (652, 37928), (657, 37910), (691, 37814), (698, 37793), (707, 37763), (716, 37733), (772, 37595),

Gene: Anakin_40 Start: 25911, Stop: 27818, Start Num: 27

Candidate Starts for Anakin_40:

(Start: 27 @25911 has 36 MA's), (35, 25974), (41, 25995), (54, 26049), (135, 26226), (156, 26271), (249, 26445), (254, 26454), (297, 26544), (317, 26601), (410, 26787), (469, 26922), (475, 26934), (490, 26967), (534, 27096), (576, 27213), (601, 27288), (690, 27522), (691, 27525), (707, 27585),

(737, 27675), (753, 27705), (771, 27747), (799, 27798),

Gene: Anandi_81 Start: 48694, Stop: 49887, Start Num: 180

Candidate Starts for Anandi_81:

(Start: 159 @48646 has 48 MA's), (Start: 180 @48694 has 9 MA's), (244, 48820), (341, 49024), (371, 49087), (373, 49090), (385, 49117), (452, 49279), (454, 49285), (476, 49321), (514, 49423), (549, 49531), (556, 49543), (602, 49567), (684, 49630), (707, 49690), (708, 49693), (717, 49723), (749, 49807), (756, 49825), (775, 49870),

Gene: Anansi_70 Start: 47020, Stop: 45626, Start Num: 129

Candidate Starts for Anansi_70:

(Start: 129 @47020 has 41 MA's), (165, 46951), (202, 46876), (212, 46858), (232, 46828), (281, 46747), (347, 46597), (426, 46453), (437, 46414), (489, 46300), (513, 46249), (531, 46228), (540, 46198), (546, 46183), (549, 46171), (594, 46090), (626, 46042), (641, 46015), (651, 45994), (680, 45910), (705, 45844), (790, 45655), (796, 45643),

Gene: AndPeggy_50 Start: 38315, Stop: 36837, Start Num: 143

Candidate Starts for AndPeggy_50:

(Start: 143 @38315 has 53 MA's), (195, 38222), (Start: 204 @38195 has 1 MA's), (244, 38120), (Start: 274 @38078 has 1 MA's), (307, 37997), (378, 37865), (403, 37811), (409, 37799), (441, 37721), (495, 37607), (508, 37580), (514, 37556), (527, 37517), (548, 37451), (559, 37430), (584, 37373), (631, 37256), (652, 37208), (657, 37190), (691, 37094), (698, 37073), (707, 37043),

Gene: Andromedas_40 Start: 31099, Stop: 29687, Start Num: 192

Candidate Starts for Andromedas_40:

(Start: 192 @31099 has 23 MA's), (201, 31069), (Start: 204 @31063 has 1 MA's), (224, 31030), (319, 30838), (335, 30811), (360, 30751), (376, 30724), (378, 30721), (399, 30679), (427, 30625), (439, 30583), (493, 30469), (514, 30412), (523, 30391), (530, 30376), (534, 30364), (535, 30352), (537, 30349), (545, 30331), (572, 30250), (583, 30214), (600, 30160), (617, 30118), (633, 30088), (644, 30064), (647, 30058), (666, 30016), (687, 29947), (697, 29923), (698, 29917), (699, 29911), (704, 29899), (734, 29803), (739, 29794), (749, 29776), (753, 29764), (772, 29719),

Gene: Anilorac_40 Start: 31339, Stop: 29834, Start Num: 123

Candidate Starts for Anilorac_40:

(111, 31363), (Start: 123 @31339 has 76 MA's), (136, 31318), (169, 31255), (Start: 186 @31225 has 151 MA's), (270, 31078), (Start: 274 @31072 has 1 MA's), (276, 31069), (319, 30955), (360, 30868), (376, 30841), (378, 30838), (427, 30742), (439, 30700), (514, 30529), (523, 30508), (534, 30481), (549, 30433), (583, 30373), (669, 30160), (675, 30142), (697, 30082), (698, 30076), (699, 30070), (704, 30058), (734, 29962), (759, 29908), (760, 29905), (793, 29851),

Gene: AnnaSerena_40 Start: 25946, Stop: 27853, Start Num: 27

Candidate Starts for AnnaSerena_40:

(Start: 27 @25946 has 36 MA's), (35, 26009), (41, 26030), (54, 26084), (135, 26261), (156, 26306), (249, 26480), (254, 26489), (297, 26579), (317, 26636), (410, 26822), (469, 26957), (475, 26969), (490, 27002), (534, 27131), (576, 27248), (601, 27323), (690, 27557), (691, 27560), (707, 27620), (737, 27710), (753, 27740), (771, 27782), (799, 27833),

Gene: Annapurna_40 Start: 25220, Stop: 27127, Start Num: 27

Candidate Starts for Annapurna_40:

(5, 25046), (Start: 27 @25220 has 36 MA's), (35, 25283), (41, 25304), (54, 25358), (112, 25493), (135, 25535), (156, 25580), (249, 25754), (254, 25763), (297, 25853), (311, 25895), (317, 25910), (410, 26096), (469, 26231), (475, 26243), (490, 26276), (534, 26405), (576, 26522), (676, 26795), (691, 26834), (707, 26894), (737, 26984), (753, 27014), (771, 27056), (799, 27107),

Gene: Annihilus_54 Start: 37384, Stop: 38556, Start Num: 162

Candidate Starts for Annihilus_54:

(Start: 162 @37384 has 15 MA's), (174, 37417), (Start: 180 @37426 has 9 MA's), (207, 37483), (286, 37576), (291, 37588), (342, 37705), (385, 37795), (412, 37852), (419, 37864), (449, 37951), (452, 37957), (464, 37978), (477, 38002), (485, 38017), (504, 38071), (509, 38080), (514, 38101), (515, 38104), (528, 38143), (691, 38302), (711, 38368), (717, 38386), (742, 38452), (744, 38458), (750, 38473),

Gene: Antoinette_41 Start: 31109, Stop: 29721, Start Num: 186

Candidate Starts for Antoinette_41:

(74, 31331), (Start: 186 @31109 has 151 MA's), (270, 30965), (Start: 274 @30959 has 1 MA's), (276, 30956), (319, 30842), (335, 30815), (360, 30755), (376, 30728), (378, 30725), (427, 30629), (439, 30587), (514, 30416), (523, 30395), (530, 30380), (534, 30368), (549, 30320), (583, 30260), (619, 30164), (648, 30101), (669, 30047), (698, 29963), (699, 29957), (704, 29945), (724, 29870), (734, 29849), (759, 29795), (760, 29792), (771, 29768),

Gene: AppleCider_29 Start: 22130, Stop: 23524, Start Num: 123

Candidate Starts for AppleCider_29:

(Start: 123 @22130 has 76 MA's), (158, 22187), (215, 22292), (268, 22379), (313, 22463), (316, 22466), (317, 22469), (379, 22559), (405, 22595), (409, 22604), (441, 22670), (448, 22688), (464, 22721), (472, 22733), (503, 22802), (512, 22829), (521, 22853), (533, 22889), (534, 22895), (545, 22928), (549, 22943), (554, 22952), (596, 23042), (625, 23111), (641, 23138), (649, 23156), (655, 23168), (686, 23258), (690, 23264), (694, 23273), (696, 23279), (706, 23315), (734, 23402), (765, 23453), (790, 23492), (800, 23516),

Gene: Araceli_42 Start: 30875, Stop: 32269, Start Num: 132

Candidate Starts for Araceli_42:

(Start: 132 @30875 has 13 MA's), (Start: 134 @30878 has 3 MA's), (172, 30953), (185, 30977), (205, 31007), (207, 31010), (215, 31022), (235, 31055), (277, 31112), (292, 31136), (313, 31181), (317, 31187), (360, 31247), (375, 31268), (409, 31322), (456, 31421), (465, 31448), (471, 31457), (519, 31583), (534, 31631), (539, 31652), (545, 31664), (549, 31679), (569, 31709), (578, 31742), (582, 31751), (598, 31793), (628, 31859), (630, 31862), (641, 31883), (649, 31901), (656, 31919), (676, 31973), (686, 32003), (706, 32060), (707, 32063), (721, 32111), (745, 32165), (787, 32234), (798, 32252),

Gene: AranulaLuti_40 Start: 30803, Stop: 29415, Start Num: 186

Candidate Starts for AranulaLuti_40:

(1, 31619), (4, 31454), (50, 31100), (74, 31025), (Start: 186 @30803 has 151 MA's), (270, 30659), (Start: 274 @30653 has 1 MA's), (276, 30650), (319, 30536), (335, 30509), (360, 30449), (376, 30422), (378, 30419), (427, 30323), (439, 30281), (514, 30110), (523, 30089), (530, 30074), (549, 30014), (583, 29954), (619, 29858), (648, 29795), (669, 29741), (698, 29657), (699, 29651), (704, 29639), (734, 29543), (759, 29489), (760, 29486), (771, 29462),

Gene: Arataki_85 Start: 54274, Stop: 55488, Start Num: 161

Candidate Starts for Arataki_85:

(Start: 161 @54274 has 143 MA's), (164, 54280), (Start: 192 @54334 has 23 MA's), (193, 54337), (196, 54349), (218, 54397), (221, 54400), (252, 54442), (279, 54484), (291, 54517), (306, 54556), (341, 54634), (342, 54637), (371, 54697), (421, 54799), (431, 54829), (448, 54880), (452, 54889), (470, 54919), (474, 54928), (476, 54931), (486, 54952), (487, 54955), (489, 54961), (492, 54967), (500, 54994), (504, 55003), (510, 55021), (513, 55030), (514, 55033), (517, 55042), (532, 55087), (538, 55111), (547, 55135), (576, 55165), (604, 55180), (684, 55234), (695, 55252), (725, 55360), (747, 55405), (749, 55411), (759, 55438), (773, 55471),

Gene: Arcadia_79 Start: 46777, Stop: 48087, Start Num: 161

Candidate Starts for Arcadia_79:

(Start: 161 @46777 has 143 MA's), (371, 47215), (385, 47245), (419, 47314), (434, 47359), (448, 47398), (452, 47407), (470, 47437), (491, 47482), (492, 47485), (504, 47521), (510, 47539), (512, 47545), (513, 47548), (514, 47551), (518, 47563), (535, 47623), (547, 47653), (735, 47896), (744, 47914), (773, 47986), (797, 48022),

Gene: Archimedes_37 Start: 33084, Stop: 31684, Start Num: 132

Candidate Starts for Archimedes_37:

(Start: 132 @33084 has 13 MA's), (151, 33042), (172, 33006), (181, 32988), (185, 32982), (205, 32952), (215, 32937), (217, 32934), (268, 32850), (407, 32628), (414, 32616), (465, 32502), (519, 32376), (523, 32364), (530, 32343), (531, 32340), (534, 32328), (545, 32295), (549, 32280), (567, 32256), (578, 32220), (582, 32211), (625, 32112), (655, 32055), (660, 32043), (663, 32037), (694, 31950), (699, 31929), (706, 31908), (738, 31815), (802, 31689),

Gene: AreFloNak_77 Start: 47947, Stop: 49179, Start Num: 159

Candidate Starts for AreFloNak_77:

(Start: 159 @47947 has 48 MA's), (164, 47956), (Start: 180 @47995 has 9 MA's), (244, 48121), (308, 48253), (341, 48325), (371, 48388), (385, 48418), (419, 48487), (452, 48580), (454, 48586), (476, 48622), (514, 48724), (691, 48931), (707, 48982), (711, 48997), (717, 49015), (720, 49027), (721, 49030), (749, 49099), (756, 49117),

Gene: Argan_75 Start: 45686, Stop: 46933, Start Num: 159

Candidate Starts for Argan_75:

(Start: 159 @45686 has 48 MA's), (Start: 239 @45848 has 1 MA's), (244, 45860), (279, 45914), (308, 45992), (342, 46067), (385, 46157), (390, 46166), (431, 46259), (452, 46319), (491, 46394), (514, 46463), (749, 46838), (756, 46856),

Gene: ArtetaBall_84 Start: 54231, Stop: 55445, Start Num: 161

Candidate Starts for ArtetaBall_84:

(Start: 161 @54231 has 143 MA's), (164, 54237), (Start: 192 @54291 has 23 MA's), (193, 54294), (196, 54306), (218, 54354), (221, 54357), (252, 54399), (279, 54441), (288, 54468), (291, 54474), (306, 54513), (341, 54591), (342, 54594), (371, 54654), (421, 54756), (431, 54786), (448, 54837), (449, 54840), (452, 54846), (470, 54876), (474, 54885), (476, 54888), (486, 54909), (487, 54912), (489, 54918), (492, 54924), (500, 54951), (504, 54960), (510, 54978), (513, 54987), (514, 54990), (517, 54999), (532, 55044), (538, 55068), (547, 55092), (576, 55122), (604, 55137), (684, 55191), (695, 55209), (707, 55251), (749, 55368), (759, 55395), (773, 55428),

Gene: Artiphact_40 Start: 25935, Stop: 27842, Start Num: 27

Candidate Starts for Artiphact_40:

(Start: 27 @25935 has 36 MA's), (35, 25998), (41, 26019), (54, 26073), (135, 26250), (156, 26295), (249, 26469), (254, 26478), (297, 26568), (317, 26625), (410, 26811), (469, 26946), (475, 26958), (490, 26991), (534, 27120), (576, 27237), (601, 27312), (690, 27546), (691, 27549), (707, 27609), (737, 27699), (753, 27729), (771, 27771), (799, 27822),

Gene: Artorias_87 Start: 53621, Stop: 54841, Start Num: 161

Candidate Starts for Artorias_87:

(Start: 161 @53621 has 143 MA's), (Start: 192 @53681 has 23 MA's), (193, 53684), (207, 53723), (221, 53747), (252, 53789), (279, 53831), (291, 53864), (306, 53903), (308, 53909), (341, 53981), (371, 54044), (421, 54146), (431, 54176), (436, 54194), (448, 54227), (449, 54230), (452, 54236), (482, 54293), (487, 54302), (491, 54311), (492, 54314), (504, 54350), (509, 54359), (510, 54368), (514, 54380), (531, 54431), (532, 54434), (547, 54485), (551, 54494), (695, 54602), (725, 54710),

(742, 54743), (749, 54761), (754, 54776),

Gene: Arzan_75 Start: 47463, Stop: 48692, Start Num: 159

Candidate Starts for Arzan_75:

(Start: 159 @47463 has 48 MA's), (Start: 180 @47511 has 9 MA's), (244, 47637), (308, 47769), (342, 47844), (385, 47934), (395, 47949), (398, 47955), (419, 48003), (440, 48066), (452, 48096), (707, 48498), (773, 48675), (775, 48678), (781, 48687),

Gene: Asta_40 Start: 30816, Stop: 29428, Start Num: 186

Candidate Starts for Asta_40:

(74, 31038), (Start: 186 @30816 has 151 MA's), (270, 30672), (Start: 274 @30666 has 1 MA's), (276, 30663), (319, 30549), (335, 30522), (360, 30462), (376, 30435), (378, 30432), (426, 30339), (427, 30336), (439, 30294), (514, 30123), (523, 30102), (530, 30087), (534, 30075), (549, 30027), (583, 29967), (619, 29871), (648, 29808), (669, 29754), (698, 29670), (699, 29664), (704, 29652), (724, 29577), (734, 29556), (759, 29502), (760, 29499), (771, 29475),

Gene: Aubergine_40 Start: 30816, Stop: 29428, Start Num: 186

Candidate Starts for Aubergine_40:

(74, 31038), (Start: 186 @30816 has 151 MA's), (270, 30672), (Start: 274 @30666 has 1 MA's), (276, 30663), (319, 30549), (335, 30522), (360, 30462), (376, 30435), (378, 30432), (427, 30336), (439, 30294), (514, 30123), (523, 30102), (530, 30087), (549, 30027), (583, 29967), (619, 29871), (648, 29808), (669, 29754), (698, 29670), (699, 29664), (704, 29652), (734, 29556), (759, 29502), (760, 29499), (771, 29475),

Gene: AustinPowers_26 Start: 21746, Stop: 23140, Start Num: 123

Candidate Starts for AustinPowers_26:

(Start: 123 @21746 has 76 MA's), (158, 21803), (Start: 204 @21890 has 1 MA's), (215, 21908), (217, 21911), (268, 21995), (289, 22028), (313, 22079), (317, 22085), (360, 22145), (379, 22175), (405, 22211), (414, 22229), (433, 22265), (441, 22286), (448, 22304), (451, 22310), (464, 22337), (503, 22418), (512, 22445), (521, 22469), (526, 22484), (534, 22511), (545, 22544), (549, 22559), (625, 22727), (641, 22754), (646, 22766), (655, 22784), (686, 22874), (690, 22880), (696, 22895), (697, 22898), (723, 22991), (734, 23018), (768, 23075), (790, 23108), (800, 23132),

Gene: Avazak_87 Start: 54050, Stop: 55270, Start Num: 161

Candidate Starts for Avazak_87:

(Start: 161 @54050 has 143 MA's), (Start: 192 @54110 has 23 MA's), (193, 54113), (207, 54152), (221, 54176), (252, 54218), (279, 54260), (288, 54287), (291, 54293), (306, 54332), (330, 54389), (341, 54410), (371, 54473), (421, 54575), (431, 54605), (436, 54623), (448, 54656), (449, 54659), (452, 54665), (487, 54731), (491, 54740), (492, 54743), (504, 54779), (509, 54788), (510, 54797), (514, 54809), (531, 54860), (551, 54923), (676, 54992), (695, 55031), (725, 55139), (742, 55172), (749, 55190), (759, 55217),

Gene: AxiPup_41 Start: 31088, Stop: 29700, Start Num: 186

Candidate Starts for AxiPup_41:

(4, 31739), (50, 31385), (74, 31310), (Start: 186 @31088 has 151 MA's), (270, 30944), (Start: 274 @30938 has 1 MA's), (276, 30935), (319, 30821), (335, 30794), (360, 30734), (376, 30707), (378, 30704), (427, 30608), (439, 30566), (514, 30395), (523, 30374), (534, 30347), (549, 30299), (583, 30239), (648, 30080), (669, 30026), (698, 29942), (699, 29936), (704, 29924), (734, 29828), (759, 29774), (760, 29771), (771, 29747),

Gene: Axym_52 Start: 38739, Stop: 37261, Start Num: 143

Candidate Starts for Axym_52:

(Start: 143 @38739 has 53 MA's), (193, 38652), (195, 38646), (234, 38565), (244, 38544), (307, 38421), (308, 38418), (403, 38235), (406, 38229), (409, 38223), (441, 38145), (495, 38031), (508, 38004), (514, 37980), (534, 37920), (548, 37875), (559, 37854), (578, 37815), (584, 37797), (631, 37680), (652, 37632), (653, 37629), (657, 37614), (691, 37518), (698, 37497), (707, 37467),

Gene: AyoTeo_35 Start: 23382, Stop: 24809, Start Num: 126

Candidate Starts for AyoTeo_35:

(102, 23340), (Start: 126 @23382 has 19 MA's), (300, 23700), (360, 23802), (389, 23847), (405, 23868), (519, 24135), (534, 24183), (539, 24204), (569, 24261), (578, 24294), (595, 24330), (630, 24408), (641, 24429), (675, 24510), (676, 24513), (706, 24600), (710, 24612), (721, 24651), (734, 24687), (745, 24705), (782, 24768),

Gene: Azira_49 Start: 37909, Stop: 36419, Start Num: 143

Candidate Starts for Azira_49:

(Start: 143 @37909 has 53 MA's), (195, 37819), (Start: 204 @37792 has 1 MA's), (228, 37750), (257, 37702), (Start: 274 @37675 has 1 MA's), (307, 37594), (308, 37591), (310, 37585), (316, 37564), (348, 37498), (403, 37408), (409, 37396), (436, 37333), (441, 37318), (447, 37303), (503, 37186), (508, 37177), (532, 37099), (540, 37072), (545, 37060), (548, 37048), (572, 37009), (578, 36988), (579, 36985), (584, 36970), (604, 36898), (633, 36829), (652, 36784), (668, 36739), (673, 36724), (681, 36694), (691, 36670), (707, 36619), (716, 36589), (741, 36523), (752, 36499), (765, 36466), (788, 36430),

Gene: Baines_40 Start: 30809, Stop: 29421, Start Num: 186

Candidate Starts for Baines_40:

(74, 31031), (Start: 186 @30809 has 151 MA's), (270, 30665), (Start: 274 @30659 has 1 MA's), (276, 30656), (319, 30542), (335, 30515), (360, 30455), (376, 30428), (378, 30425), (427, 30329), (439, 30287), (514, 30116), (523, 30095), (530, 30080), (534, 30068), (549, 30020), (583, 29960), (619, 29864), (648, 29801), (669, 29747), (698, 29663), (699, 29657), (704, 29645), (724, 29570), (734, 29549), (759, 29495), (760, 29492), (771, 29468),

Gene: Balloona_55 Start: 40742, Stop: 39264, Start Num: 143

Candidate Starts for Balloona_55:

(87, 40820), (120, 40769), (122, 40766), (Start: 143 @40742 has 53 MA's), (179, 40679), (193, 40658), (195, 40652), (Start: 204 @40625 has 1 MA's), (234, 40571), (257, 40535), (267, 40520), (307, 40424), (310, 40415), (316, 40394), (348, 40328), (378, 40292), (403, 40238), (406, 40232), (409, 40226), (441, 40148), (447, 40133), (495, 40034), (522, 39959), (530, 39935), (534, 39923), (540, 39902), (546, 39887), (548, 39878), (559, 39857), (578, 39818), (581, 39809), (586, 39794), (604, 39743), (635, 39671), (652, 39629), (653, 39626), (657, 39611), (691, 39515), (707, 39464), (716, 39434), (724, 39401), (752, 39344), (758, 39329),

Gene: Balsa_40 Start: 31258, Stop: 29867, Start Num: 186

Candidate Starts for Balsa_40:

(Start: 123 @31372 has 76 MA's), (169, 31288), (Start: 186 @31258 has 151 MA's), (270, 31111), (Start: 274 @31105 has 1 MA's), (276, 31102), (319, 30988), (335, 30961), (360, 30901), (376, 30874), (378, 30871), (427, 30775), (439, 30733), (514, 30562), (523, 30541), (534, 30514), (583, 30406), (619, 30310), (669, 30193), (675, 30175), (698, 30109), (699, 30103), (734, 29995), (759, 29941), (760, 29938), (771, 29914), (793, 29884),

Gene: Bandik_41 Start: 31114, Stop: 29726, Start Num: 186

Candidate Starts for Bandik_41:

(4, 31765), (50, 31411), (74, 31336), (Start: 186 @31114 has 151 MA's), (270, 30970), (Start: 274 @30964 has 1 MA's), (276, 30961), (319, 30847), (335, 30820), (360, 30760), (376, 30733), (378, 30730), (427, 30634), (439, 30592), (492, 30481), (514, 30421), (530, 30385), (534, 30373), (545,

30340), (549, 30325), (583, 30265), (619, 30169), (648, 30106), (669, 30052), (698, 29968), (699, 29962), (704, 29950), (734, 29854), (759, 29800), (760, 29797), (771, 29773),

Gene: BarbieDoll_80 Start: 47433, Stop: 48680, Start Num: 159

Candidate Starts for BarbieDoll_80:

(Start: 159 @47433 has 48 MA's), (196, 47511), (244, 47607), (279, 47661), (308, 47739), (385, 47904), (390, 47913), (431, 48006), (452, 48066), (514, 48210), (749, 48585), (756, 48603),

Gene: Barbonzobean_80 Start: 47938, Stop: 49185, Start Num: 159

Candidate Starts for Barbonzobean_80:

(Start: 159 @47938 has 48 MA's), (196, 48016), (244, 48112), (279, 48166), (308, 48244), (342, 48319), (385, 48409), (390, 48418), (452, 48571), (514, 48715), (749, 49090), (756, 49108),

Gene: BarnCat_85 Start: 49027, Stop: 47570, Start Num: 101

Candidate Starts for BarnCat_85:

(Start: 101 @49027 has 5 MA's), (117, 48997), (175, 48883), (213, 48811), (222, 48799), (248, 48751), (272, 48709), (287, 48673), (297, 48649), (331, 48577), (334, 48571), (340, 48559), (352, 48532), (364, 48511), (406, 48436), (416, 48418), (450, 48322), (455, 48313), (500, 48208), (512, 48178), (513, 48175), (515, 48169), (522, 48157), (523, 48154), (543, 48094), (546, 48085), (587, 47995), (626, 47941), (645, 47905), (683, 47824), (686, 47821), (690, 47818), (694, 47809), (715, 47731), (717, 47725), (751, 47647), (764, 47626), (778, 47599), (780, 47596),

Gene: BaronJohn_40 Start: 29682, Stop: 28255, Start Num: 188

Candidate Starts for BaronJohn_40:

(166, 29724), (Start: 188 @29682 has 25 MA's), (199, 29652), (201, 29646), (Start: 274 @29532 has 1 MA's), (276, 29529), (278, 29526), (376, 29292), (378, 29289), (493, 29034), (512, 28983), (514, 28977), (534, 28929), (545, 28896), (583, 28782), (586, 28773), (600, 28728), (602, 28722), (615, 28695), (619, 28686), (648, 28623), (675, 28551), (687, 28515), (691, 28506), (697, 28491), (698, 28485), (704, 28467), (716, 28425), (739, 28362), (771, 28290),

Gene: Bavilard_56 Start: 40156, Stop: 38678, Start Num: 143

Candidate Starts for Bavilard_56:

(Start: 143 @40156 has 53 MA's), (179, 40093), (193, 40072), (195, 40066), (Start: 204 @40039 has 1 MA's), (234, 39985), (257, 39949), (267, 39934), (307, 39838), (310, 39829), (316, 39808), (348, 39742), (378, 39706), (403, 39652), (406, 39646), (409, 39640), (441, 39562), (447, 39547), (495, 39448), (522, 39373), (530, 39349), (534, 39337), (540, 39316), (546, 39301), (548, 39292), (559, 39271), (578, 39232), (581, 39223), (604, 39157), (635, 39085), (652, 39043), (653, 39040), (657, 39025), (691, 38929), (707, 38878), (716, 38848), (724, 38815), (752, 38758), (758, 38743),

Gene: BeautPeep30_41 Start: 31120, Stop: 29732, Start Num: 186

Candidate Starts for BeautPeep30_41:

(74, 31342), (Start: 186 @31120 has 151 MA's), (270, 30976), (Start: 274 @30970 has 1 MA's), (276, 30967), (319, 30853), (335, 30826), (360, 30766), (376, 30739), (378, 30736), (427, 30640), (439, 30598), (511, 30436), (514, 30427), (523, 30406), (530, 30391), (534, 30379), (549, 30331), (583, 30271), (619, 30175), (648, 30112), (669, 30058), (698, 29974), (699, 29968), (704, 29956), (734, 29860), (759, 29806), (760, 29803), (771, 29779),

Gene: BeeBee8_41 Start: 31426, Stop: 30035, Start Num: 186

Candidate Starts for BeeBee8_41:

(119, 31528), (Start: 121 @31525 has 1 MA's), (Start: 123 @31522 has 76 MA's), (Start: 186 @31426 has 151 MA's), (270, 31279), (Start: 274 @31273 has 1 MA's), (276, 31270), (319, 31156), (335, 31129), (360, 31069), (376, 31042), (378, 31039), (427, 30943), (439, 30901), (514, 30730), (523, 30709), (534, 30682), (549, 30634), (583, 30574), (619, 30478), (669, 30361), (675, 30343), (698,

30277), (699, 30271), (734, 30163), (759, 30109), (760, 30106), (771, 30082), (793, 30052),

Gene: Beethoven_29 Start: 22100, Stop: 23500, Start Num: 123

Candidate Starts for Beethoven_29:

(Start: 123 @22100 has 76 MA's), (158, 22163), (215, 22268), (217, 22271), (268, 22355), (289, 22388), (313, 22439), (317, 22445), (375, 22526), (376, 22529), (379, 22535), (405, 22571), (414, 22589), (416, 22592), (433, 22625), (441, 22646), (448, 22664), (464, 22697), (503, 22778), (512, 22805), (523, 22835), (526, 22844), (534, 22871), (545, 22904), (549, 22919), (576, 22973), (586, 22994), (592, 23006), (596, 23018), (690, 23240), (694, 23249), (696, 23255), (706, 23291), (723, 23351), (734, 23378), (790, 23468),

Gene: BenitoAntonio_79 Start: 46369, Stop: 47679, Start Num: 161

Candidate Starts for BenitoAntonio_79:

(Start: 161 @46369 has 143 MA's), (371, 46807), (385, 46837), (419, 46906), (434, 46951), (448, 46990), (452, 46999), (470, 47029), (491, 47074), (492, 47077), (510, 47131), (512, 47137), (513, 47140), (514, 47143), (518, 47155), (535, 47215), (547, 47245), (735, 47488), (744, 47506), (773, 47578), (797, 47614),

Gene: Benjalauren_41 Start: 30819, Stop: 29431, Start Num: 186

Candidate Starts for Benjalauren_41:

(4, 31470), (50, 31116), (74, 31041), (Start: 186 @30819 has 151 MA's), (270, 30675), (Start: 274 @30669 has 1 MA's), (276, 30666), (319, 30552), (335, 30525), (360, 30465), (376, 30438), (378, 30435), (427, 30339), (439, 30297), (514, 30126), (523, 30105), (530, 30090), (549, 30030), (583, 29970), (619, 29874), (648, 29811), (669, 29757), (698, 29673), (699, 29667), (704, 29655), (734, 29559), (759, 29505), (760, 29502), (771, 29478),

Gene: Benllo_77 Start: 47047, Stop: 48357, Start Num: 161

Candidate Starts for Benllo_77:

(Start: 161 @47047 has 143 MA's), (371, 47485), (385, 47515), (419, 47584), (434, 47629), (448, 47668), (452, 47677), (470, 47707), (491, 47752), (492, 47755), (510, 47809), (512, 47815), (514, 47821), (535, 47893), (547, 47923), (684, 48019), (735, 48166), (744, 48184), (773, 48256), (797, 48292),

Gene: Bennie_25 Start: 20566, Stop: 21960, Start Num: 123

Candidate Starts for Bennie_25:

(Start: 123 @20566 has 76 MA's), (158, 20623), (215, 20728), (217, 20731), (268, 20815), (289, 20848), (313, 20899), (317, 20905), (379, 20995), (405, 21031), (414, 21049), (416, 21052), (433, 21085), (441, 21106), (503, 21238), (512, 21265), (523, 21295), (526, 21304), (534, 21331), (545, 21364), (549, 21379), (569, 21406), (576, 21433), (593, 21469), (609, 21511), (641, 21574), (649, 21592), (676, 21664), (682, 21688), (686, 21694), (689, 21697), (696, 21715), (697, 21718), (705, 21742), (706, 21751), (734, 21838), (765, 21889), (790, 21928),

Gene: Benry_32 Start: 21495, Stop: 22922, Start Num: 124

Candidate Starts for Benry_32:

(Start: 124 @21495 has 2 MA's), (313, 21849), (316, 21852), (335, 21873), (389, 21960), (416, 22002), (531, 22284), (534, 22296), (539, 22317), (549, 22344), (568, 22371), (569, 22374), (576, 22401), (578, 22407), (595, 22443), (641, 22542), (668, 22605), (675, 22623), (676, 22626), (697, 22680), (706, 22713), (710, 22725), (721, 22764), (734, 22800), (738, 22806), (745, 22818), (765, 22851), (782, 22881),

Gene: BetterYeti_85 Start: 54311, Stop: 55525, Start Num: 161

Candidate Starts for BetterYeti_85:

(Start: 161 @54311 has 143 MA's), (164, 54317), (Start: 192 @54371 has 23 MA's), (193, 54374), (196, 54386), (218, 54434), (221, 54437), (252, 54479), (279, 54521), (291, 54554), (306, 54593), (341, 54671), (342, 54674), (371, 54734), (447, 54914), (448, 54917), (449, 54920), (452, 54926), (474, 54965), (487, 54992), (492, 55004), (500, 55031), (504, 55040), (510, 55058), (513, 55067), (514, 55070), (517, 55079), (532, 55124), (538, 55148), (547, 55172), (684, 55271), (690, 55277), (695, 55289), (707, 55331), (725, 55397), (735, 55418), (749, 55448), (773, 55508),

Gene: BigChungus_56 Start: 40283, Stop: 38805, Start Num: 143

Candidate Starts for BigChungus_56:

(87, 40361), (120, 40310), (122, 40307), (Start: 143 @40283 has 53 MA's), (179, 40220), (193, 40199), (195, 40193), (Start: 204 @40166 has 1 MA's), (234, 40112), (257, 40076), (267, 40061), (307, 39965), (310, 39956), (316, 39935), (348, 39869), (378, 39833), (403, 39779), (406, 39773), (409, 39767), (441, 39689), (447, 39674), (495, 39575), (522, 39500), (530, 39476), (534, 39464), (540, 39443), (546, 39428), (548, 39419), (559, 39398), (578, 39359), (581, 39350), (586, 39335), (604, 39284), (635, 39212), (652, 39170), (657, 39152), (691, 39056), (707, 39005), (716, 38975), (724, 38942), (752, 38885), (758, 38870),

Gene: BigMack_25 Start: 20560, Stop: 21960, Start Num: 123

Candidate Starts for BigMack_25:

(Start: 123 @20560 has 76 MA's), (158, 20623), (215, 20728), (217, 20731), (268, 20815), (289, 20848), (313, 20899), (317, 20905), (375, 20986), (376, 20989), (379, 20995), (405, 21031), (414, 21049), (416, 21052), (433, 21085), (441, 21106), (448, 21124), (503, 21238), (512, 21265), (523, 21295), (526, 21304), (534, 21331), (545, 21364), (549, 21379), (569, 21406), (578, 21439), (609, 21511), (641, 21574), (649, 21592), (665, 21625), (686, 21694), (690, 21700), (696, 21715), (697, 21718), (706, 21751), (723, 21811), (734, 21838), (790, 21928),

Gene: BigRedClifford_41 Start: 31118, Stop: 29730, Start Num: 186

Candidate Starts for BigRedClifford_41:

(Start: 186 @31118 has 151 MA's), (270, 30974), (Start: 274 @30968 has 1 MA's), (276, 30965), (319, 30851), (335, 30824), (360, 30764), (376, 30737), (378, 30734), (427, 30638), (439, 30596), (514, 30425), (523, 30404), (534, 30377), (549, 30329), (583, 30269), (648, 30110), (669, 30056), (698, 29972), (699, 29966), (704, 29954), (734, 29858), (759, 29804), (760, 29801), (771, 29777),

Gene: BillDoor_53 Start: 37991, Stop: 36513, Start Num: 143

Candidate Starts for BillDoor_53:

(Start: 143 @37991 has 53 MA's), (195, 37898), (Start: 204 @37871 has 1 MA's), (244, 37796), (Start: 274 @37754 has 1 MA's), (307, 37673), (378, 37541), (403, 37487), (409, 37475), (441, 37397), (495, 37283), (503, 37265), (508, 37256), (514, 37232), (527, 37193), (548, 37127), (559, 37106), (578, 37067), (584, 37049), (586, 37043), (631, 36932), (652, 36884), (657, 36866), (691, 36770), (698, 36749), (707, 36719),

Gene: Bilo_53 Start: 37644, Stop: 38816, Start Num: 162

Candidate Starts for Bilo_53:

(Start: 162 @37644 has 15 MA's), (174, 37677), (Start: 180 @37686 has 9 MA's), (207, 37743), (286, 37836), (342, 37965), (385, 38055), (419, 38124), (449, 38211), (452, 38217), (464, 38238), (477, 38262), (485, 38277), (499, 38319), (514, 38361), (538, 38439), (691, 38562), (742, 38712), (744, 38718), (754, 38745), (756, 38748), (776, 38793),

Gene: Bing_82 Start: 49946, Stop: 51139, Start Num: 161

Candidate Starts for Bing_82:

(Start: 161 @49946 has 143 MA's), (259, 50090), (307, 50189), (385, 50366), (395, 50381), (421, 50438), (452, 50528), (477, 50573), (486, 50591), (514, 50672), (518, 50684), (527, 50711), (538, 50750), (549, 50780), (551, 50783), (691, 50873), (708, 50927), (723, 50981), (725, 50990), (742,

51023), (743, 51026), (744, 51029), (754, 51056), (760, 51071), (776, 51104), (791, 51122),

Gene: Biscute_76 Start: 47085, Stop: 48332, Start Num: 159

Candidate Starts for Biscute_76:

(Start: 159 @47085 has 48 MA's), (196, 47163), (244, 47259), (279, 47313), (308, 47391), (385, 47556), (390, 47565), (452, 47718), (514, 47862), (749, 48237), (756, 48255),

Gene: Biskit_55 Start: 38648, Stop: 37170, Start Num: 143

Candidate Starts for Biskit_55:

(Start: 143 @38648 has 53 MA's), (193, 38561), (195, 38555), (216, 38504), (244, 38453), (257, 38438), (297, 38354), (307, 38330), (310, 38321), (378, 38198), (403, 38144), (406, 38138), (409, 38132), (441, 38054), (495, 37940), (508, 37913), (514, 37889), (540, 37808), (548, 37784), (559, 37763), (578, 37724), (584, 37706), (586, 37700), (631, 37589), (635, 37583), (652, 37541), (657, 37523), (687, 37436), (691, 37427), (698, 37406), (707, 37376), (716, 37346), (724, 37313), (765, 37223),

Gene: BlackHoleSun_78 Start: 46463, Stop: 47710, Start Num: 159

Candidate Starts for BlackHoleSun_78:

(Start: 159 @46463 has 48 MA's), (Start: 239 @46625 has 1 MA's), (244, 46637), (279, 46691), (308, 46769), (385, 46934), (390, 46943), (431, 47036), (452, 47096), (491, 47171), (514, 47240), (731, 47579), (735, 47585), (749, 47615), (756, 47633),

Gene: Blage_41 Start: 31118, Stop: 29730, Start Num: 186

Candidate Starts for Blage_41:

(Start: 186 @31118 has 151 MA's), (270, 30974), (Start: 274 @30968 has 1 MA's), (276, 30965), (319, 30851), (335, 30824), (360, 30764), (376, 30737), (378, 30734), (427, 30638), (439, 30596), (514, 30425), (523, 30404), (534, 30377), (549, 30329), (583, 30269), (648, 30110), (669, 30056), (698, 29972), (699, 29966), (704, 29954), (734, 29858), (759, 29804), (760, 29801), (771, 29777),

Gene: Blanky_82 Start: 54958, Stop: 56175, Start Num: 161

Candidate Starts for Blanky_82:

(Start: 161 @54958 has 143 MA's), (Start: 192 @55018 has 23 MA's), (196, 55033), (207, 55060), (221, 55084), (252, 55126), (279, 55168), (288, 55195), (341, 55318), (342, 55321), (371, 55381), (402, 55447), (431, 55513), (436, 55531), (448, 55564), (449, 55567), (452, 55573), (474, 55612), (476, 55615), (482, 55630), (486, 55636), (487, 55639), (489, 55645), (492, 55651), (498, 55672), (504, 55687), (509, 55696), (514, 55717), (517, 55726), (532, 55771), (535, 55789), (538, 55795), (551, 55828), (695, 55936), (704, 55963), (707, 55978), (735, 56065), (742, 56077), (759, 56122),

Gene: Blondies_56 Start: 38965, Stop: 37487, Start Num: 143

Candidate Starts for Blondies_56:

(Start: 143 @38965 has 53 MA's), (193, 38878), (195, 38872), (216, 38821), (244, 38770), (257, 38755), (297, 38671), (307, 38647), (310, 38638), (378, 38515), (403, 38461), (406, 38455), (409, 38449), (425, 38425), (441, 38371), (495, 38257), (508, 38230), (514, 38206), (540, 38125), (548, 38101), (559, 38080), (578, 38041), (584, 38023), (586, 38017), (631, 37906), (635, 37900), (652, 37858), (657, 37840), (687, 37753), (691, 37744), (698, 37723), (707, 37693), (716, 37663), (724, 37630), (765, 37540),

Gene: BluerMoon_85 Start: 54940, Stop: 56154, Start Num: 161

Candidate Starts for BluerMoon_85:

(Start: 161 @54940 has 143 MA's), (164, 54946), (Start: 192 @55000 has 23 MA's), (193, 55003), (196, 55015), (221, 55066), (252, 55108), (279, 55150), (291, 55183), (341, 55300), (342, 55303), (371, 55363), (421, 55465), (448, 55546), (452, 55555), (470, 55585), (474, 55594), (476, 55597), (486, 55618), (487, 55621), (492, 55633), (500, 55660), (504, 55669), (510, 55687), (513, 55696),

(514, 55699), (517, 55708), (538, 55777), (547, 55801), (576, 55831), (695, 55918), (725, 56026), (749, 56077), (759, 56104), (773, 56137),

Gene: Bodacious_25 Start: 20580, Stop: 21974, Start Num: 123

Candidate Starts for Bodacious_25:

(Start: 123 @20580 has 76 MA's), (158, 20637), (215, 20742), (217, 20745), (268, 20829), (289, 20862), (313, 20913), (317, 20919), (375, 21000), (376, 21003), (379, 21009), (405, 21045), (414, 21063), (416, 21066), (433, 21099), (441, 21120), (503, 21252), (512, 21279), (526, 21318), (533, 21339), (534, 21345), (545, 21378), (549, 21393), (554, 21402), (576, 21447), (593, 21483), (609, 21525), (641, 21588), (649, 21606), (686, 21708), (689, 21711), (696, 21729), (697, 21732), (705, 21756), (706, 21765), (734, 21852), (790, 21942), (800, 21966),

Gene: Boersma_73 Start: 47416, Stop: 46022, Start Num: 129

Candidate Starts for Boersma_73:

(Start: 129 @47416 has 41 MA's), (165, 47347), (202, 47272), (212, 47254), (232, 47224), (281, 47143), (426, 46849), (437, 46810), (489, 46696), (531, 46624), (540, 46594), (546, 46579), (549, 46567), (578, 46516), (610, 46465), (621, 46447), (626, 46438), (651, 46390), (705, 46240), (790, 46051),

Gene: Bogota_43 Start: 31399, Stop: 32793, Start Num: 132

Candidate Starts for Bogota_43:

(Start: 132 @31399 has 13 MA's), (Start: 134 @31402 has 3 MA's), (172, 31477), (185, 31501), (205, 31531), (215, 31546), (277, 31636), (295, 31672), (360, 31771), (364, 31780), (411, 31849), (465, 31972), (519, 32107), (528, 32134), (534, 32155), (539, 32176), (569, 32233), (578, 32266), (582, 32275), (598, 32317), (628, 32383), (641, 32407), (649, 32425), (656, 32443), (676, 32497), (686, 32527), (706, 32584), (707, 32587), (721, 32635), (736, 32674), (745, 32689), (787, 32758), (798, 32776), (800, 32785),

Gene: BonesMcCoy_41 Start: 31118, Stop: 29730, Start Num: 186

Candidate Starts for BonesMcCoy_41:

(4, 31769), (50, 31415), (74, 31340), (Start: 186 @31118 has 151 MA's), (270, 30974), (Start: 274 @30968 has 1 MA's), (276, 30965), (319, 30851), (335, 30824), (360, 30764), (376, 30737), (378, 30734), (427, 30638), (439, 30596), (514, 30425), (523, 30404), (534, 30377), (549, 30329), (583, 30269), (648, 30110), (669, 30056), (698, 29972), (699, 29966), (704, 29954), (734, 29858), (759, 29804), (760, 29801), (771, 29777),

Gene: Bonino_40 Start: 30795, Stop: 29407, Start Num: 186

Candidate Starts for Bonino_40:

(74, 31017), (Start: 186 @30795 has 151 MA's), (270, 30651), (Start: 274 @30645 has 1 MA's), (276, 30642), (319, 30528), (335, 30501), (360, 30441), (376, 30414), (378, 30411), (427, 30315), (439, 30273), (514, 30102), (523, 30081), (530, 30066), (534, 30054), (549, 30006), (583, 29946), (619, 29850), (648, 29787), (669, 29733), (698, 29649), (699, 29643), (704, 29631), (724, 29556), (734, 29535), (759, 29481), (760, 29478), (771, 29454),

Gene: Boog_73 Start: 45873, Stop: 47102, Start Num: 161

Candidate Starts for Boog_73:

(Start: 161 @45873 has 143 MA's), (244, 46044), (308, 46176), (371, 46311), (385, 46341), (412, 46398), (452, 46503), (454, 46509), (474, 46542), (514, 46647), (677, 46827), (756, 47040), (775, 47085),

Gene: Bouchard_77 Start: 48490, Stop: 49722, Start Num: 159

Candidate Starts for Bouchard_77:

(Start: 159 @48490 has 48 MA's), (Start: 162 @48496 has 15 MA's), (166, 48502), (Start: 180 @48535 has 9 MA's), (244, 48661), (308, 48793), (371, 48928), (385, 48958), (452, 49120), (454, 49126), (476, 49162), (514, 49264), (707, 49525), (717, 49558), (720, 49570), (749, 49642),

Gene: BouleyBill_39 Start: 30564, Stop: 29158, Start Num: 177

Candidate Starts for BouleyBill_39:

(98, 30711), (125, 30666), (139, 30636), (169, 30582), (Start: 177 @30564 has 2 MA's), (Start: 186 @30552 has 151 MA's), (Start: 192 @30546 has 23 MA's), (201, 30516), (270, 30408), (Start: 274 @30402 has 1 MA's), (276, 30399), (283, 30384), (360, 30198), (364, 30189), (378, 30168), (399, 30126), (427, 30072), (514, 29859), (523, 29838), (530, 29823), (534, 29811), (537, 29796), (552, 29760), (556, 29751), (572, 29736), (583, 29700), (619, 29601), (648, 29538), (659, 29511), (683, 29436), (687, 29430), (691, 29421), (697, 29406), (698, 29400), (699, 29394), (704, 29382), (749, 29259), (753, 29247), (794, 29172),

Gene: Bowling_82 Start: 47507, Stop: 48817, Start Num: 161

Candidate Starts for Bowling_82:

(Start: 161 @47507 has 143 MA's), (371, 47945), (385, 47975), (419, 48044), (434, 48089), (448, 48128), (452, 48137), (470, 48167), (491, 48212), (492, 48215), (510, 48269), (512, 48275), (513, 48278), (514, 48281), (518, 48293), (535, 48353), (547, 48383), (735, 48626), (744, 48644), (773, 48716), (797, 48752),

Gene: Bramble_42 Start: 26601, Stop: 28535, Start Num: 29

Candidate Starts for Bramble_42:

(3, 26361), (Start: 12 @26505 has 1 MA's), (26, 26595), (Start: 29 @26601 has 6 MA's), (54, 26748), (59, 26766), (63, 26775), (135, 26925), (198, 27051), (249, 27141), (254, 27150), (297, 27240), (311, 27282), (322, 27312), (393, 27444), (475, 27630), (483, 27648), (490, 27663), (511, 27720), (531, 27780), (556, 27852), (597, 27990), (624, 28056), (635, 28086), (636, 28089), (666, 28164), (691, 28242), (707, 28302), (737, 28392), (749, 28410),

Gene: Breylor17_68 Start: 48311, Stop: 49561, Start Num: 159

Candidate Starts for Breylor17_68:

(Start: 159 @48311 has 48 MA's), (164, 48320), (Start: 180 @48359 has 9 MA's), (244, 48485), (Start: 255 @48503 has 1 MA's), (308, 48617), (341, 48689), (371, 48752), (385, 48782), (419, 48851), (452, 48944), (454, 48950), (476, 48986), (514, 49088), (676, 49265), (679, 49271), (707, 49346), (717, 49379), (720, 49391), (721, 49394), (749, 49463),

Gene: BronxBay_74 Start: 46145, Stop: 47383, Start Num: 161

Candidate Starts for BronxBay_74:

(Start: 161 @46145 has 143 MA's), (244, 46316), (308, 46448), (371, 46583), (385, 46613), (412, 46670), (452, 46775), (454, 46781), (474, 46814), (514, 46919), (678, 47108), (756, 47321), (775, 47366),

Gene: BrotherBLo_29 Start: 22106, Stop: 23506, Start Num: 123

Candidate Starts for BrotherBLo_29:

(Start: 123 @22106 has 76 MA's), (158, 22169), (215, 22274), (268, 22361), (289, 22394), (313, 22445), (317, 22451), (375, 22532), (376, 22535), (379, 22541), (405, 22577), (414, 22595), (416, 22598), (433, 22631), (441, 22652), (448, 22670), (503, 22784), (512, 22811), (523, 22841), (526, 22850), (534, 22877), (545, 22910), (549, 22925), (576, 22979), (586, 23000), (592, 23012), (596, 23024), (686, 23240), (689, 23243), (690, 23246), (694, 23255), (696, 23261), (706, 23297), (723, 23357), (734, 23384), (790, 23474),

Gene: Brunswick_73 Start: 47755, Stop: 48990, Start Num: 159

Candidate Starts for Brunswick_73:

(155, 47749), (Start: 159 @47755 has 48 MA's), (164, 47764), (174, 47794), (Start: 180 @47803 has 9 MA's), (218, 47881), (244, 47929), (308, 48061), (341, 48133), (371, 48196), (385, 48226), (419, 48295), (452, 48388), (454, 48394), (476, 48430), (514, 48532), (679, 48718), (707, 48793), (711, 48808), (717, 48826), (721, 48841), (749, 48910), (756, 48928),

Gene: Bubble_51 Start: 38427, Stop: 36949, Start Num: 143

Candidate Starts for Bubble_51:

(Start: 143 @38427 has 53 MA's), (193, 38340), (195, 38334), (244, 38232), (308, 38106), (403, 37923), (406, 37917), (409, 37911), (441, 37833), (495, 37719), (508, 37692), (514, 37668), (534, 37608), (548, 37563), (559, 37542), (578, 37503), (584, 37485), (631, 37368), (652, 37320), (653, 37317), (657, 37302), (691, 37206), (698, 37185), (707, 37155), (788, 36966),

Gene: Bugg_91 Start: 53666, Stop: 54886, Start Num: 161

Candidate Starts for Bugg_91:

(Start: 161 @53666 has 143 MA's), (Start: 192 @53726 has 23 MA's), (193, 53729), (207, 53768), (221, 53792), (252, 53834), (279, 53876), (291, 53909), (306, 53948), (308, 53954), (341, 54026), (371, 54089), (421, 54191), (431, 54221), (436, 54239), (448, 54272), (449, 54275), (452, 54281), (482, 54338), (487, 54347), (491, 54356), (492, 54359), (504, 54395), (509, 54404), (510, 54413), (514, 54425), (531, 54476), (532, 54479), (547, 54530), (551, 54539), (695, 54647), (725, 54755), (742, 54788), (749, 54806), (754, 54821),

Gene: Burley_85 Start: 53962, Stop: 55176, Start Num: 161

Candidate Starts for Burley_85:

(Start: 161 @53962 has 143 MA's), (164, 53968), (Start: 192 @54022 has 23 MA's), (193, 54025), (196, 54037), (218, 54085), (221, 54088), (252, 54130), (279, 54172), (291, 54205), (306, 54244), (308, 54250), (341, 54322), (342, 54325), (371, 54385), (421, 54487), (431, 54517), (439, 54544), (448, 54568), (452, 54577), (470, 54607), (474, 54616), (476, 54619), (487, 54643), (492, 54655), (500, 54682), (504, 54691), (510, 54709), (513, 54718), (514, 54721), (517, 54730), (528, 54763), (532, 54775), (538, 54799), (547, 54823), (604, 54868), (684, 54922), (690, 54928), (695, 54940), (725, 55048), (749, 55099), (759, 55126), (773, 55159),

Gene: Burnsey_53 Start: 38833, Stop: 37355, Start Num: 143

Candidate Starts for Burnsey_53:

(Start: 143 @38833 has 53 MA's), (193, 38746), (195, 38740), (234, 38659), (244, 38638), (307, 38515), (308, 38512), (403, 38329), (406, 38323), (409, 38317), (441, 38239), (495, 38125), (508, 38098), (514, 38074), (534, 38014), (548, 37969), (559, 37948), (578, 37909), (584, 37891), (631, 37774), (652, 37726), (653, 37723), (657, 37708), (691, 37612), (698, 37591), (707, 37561),

Gene: Bustleton_39 Start: 30567, Stop: 29185, Start Num: 186

Candidate Starts for Bustleton_39:

(169, 30594), (Start: 186 @30567 has 151 MA's), (Start: 192 @30564 has 23 MA's), (201, 30534), (270, 30426), (Start: 274 @30420 has 1 MA's), (276, 30417), (283, 30402), (360, 30216), (364, 30207), (378, 30186), (399, 30144), (427, 30090), (514, 29877), (523, 29856), (530, 29841), (534, 29829), (537, 29814), (552, 29778), (556, 29769), (572, 29754), (583, 29718), (619, 29619), (648, 29556), (659, 29529), (683, 29454), (687, 29448), (691, 29439), (697, 29424), (698, 29418), (699, 29412), (704, 29400), (749, 29277), (753, 29265),

Gene: Button_57 Start: 39117, Stop: 37642, Start Num: 146

Candidate Starts for Button_57:

(Start: 146 @39117 has 11 MA's), (168, 39075), (195, 39027), (Start: 204 @39000 has 1 MA's), (234, 38946), (244, 38925), (250, 38916), (297, 38826), (301, 38817), (308, 38799), (310, 38793), (378, 38670), (403, 38616), (406, 38610), (409, 38604), (431, 38559), (441, 38526), (530, 38313), (540, 38280), (556, 38241), (578, 38196), (584, 38178), (586, 38172), (601, 38127), (604, 38121), (613,

38100), (633, 38052), (635, 38049), (652, 38007), (653, 38004), (657, 37989), (668, 37962), (691, 37893), (707, 37842), (711, 37827), (749, 37731), (753, 37719), (757, 37710), (785, 37656),

Gene: Buttrmlkdreams_55 Start: 39095, Stop: 37617, Start Num: 143

Candidate Starts for Buttrmlkdreams_55:

(Start: 143 @39095 has 53 MA's), (193, 39008), (195, 39002), (216, 38951), (244, 38900), (257, 38885), (297, 38801), (307, 38777), (310, 38768), (378, 38645), (403, 38591), (406, 38585), (409, 38579), (427, 38549), (441, 38501), (495, 38387), (508, 38360), (514, 38336), (540, 38255), (548, 38231), (559, 38210), (578, 38171), (584, 38153), (586, 38147), (631, 38036), (635, 38030), (652, 37988), (657, 37970), (687, 37883), (691, 37874), (698, 37853), (707, 37823), (716, 37793), (724, 37760), (765, 37670),

Gene: Byron23_42 Start: 31117, Stop: 29729, Start Num: 186

Candidate Starts for Byron23_42:

(4, 31768), (50, 31414), (74, 31339), (Start: 186 @31117 has 151 MA's), (270, 30973), (Start: 274 @30967 has 1 MA's), (276, 30964), (319, 30850), (335, 30823), (360, 30763), (376, 30736), (378, 30733), (427, 30637), (439, 30595), (492, 30484), (514, 30424), (530, 30388), (534, 30376), (545, 30343), (549, 30328), (583, 30268), (619, 30172), (648, 30109), (669, 30055), (698, 29971), (699, 29965), (704, 29953), (734, 29857), (759, 29803), (760, 29800), (771, 29776),

Gene: CMP1_51 Start: 48836, Stop: 47235, Start Num: 151

Candidate Starts for CMP1_51:

(151, 48836), (206, 48719), (266, 48617), (286, 48572), (294, 48548), (300, 48533), (351, 48410), (384, 48326), (427, 48242), (430, 48230), (482, 48110), (512, 48029), (550, 47909), (557, 47897), (573, 47855), (581, 47828), (586, 47813), (589, 47801), (591, 47792), (604, 47747), (638, 47681), (670, 47591), (685, 47537), (710, 47456), (723, 47408), (753, 47336), (754, 47333), (763, 47309), (766, 47303), (794, 47261),

Gene: CN1A_14 Start: 6751, Stop: 8316, Start Num: 185

Candidate Starts for CN1A_14:

(185, 6751), (193, 6763), (203, 6793), (207, 6802), (221, 6826), (231, 6844), (242, 6862), (Start: 243 @6865 has 1 MA's), (250, 6877), (272, 6904), (341, 7060), (345, 7069), (354, 7093), (361, 7120), (375, 7147), (409, 7216), (412, 7222), (419, 7234), (434, 7279), (443, 7303), (445, 7309), (460, 7354), (479, 7399), (500, 7456), (530, 7540), (548, 7600), (561, 7627), (562, 7630), (563, 7633), (593, 7735), (595, 7741), (612, 7792), (691, 7984), (697, 8002), (699, 8014), (718, 8080), (729, 8122), (733, 8128), (747, 8155), (749, 8161), (781, 8233), (805, 8284),

Gene: CWormy_84 Start: 53914, Stop: 55128, Start Num: 161

Candidate Starts for CWormy_84:

(Start: 161 @53914 has 143 MA's), (164, 53920), (Start: 192 @53974 has 23 MA's), (193, 53977), (196, 53989), (221, 54040), (252, 54082), (279, 54124), (291, 54157), (306, 54196), (308, 54202), (341, 54274), (342, 54277), (371, 54337), (421, 54439), (431, 54469), (439, 54496), (448, 54520), (452, 54529), (470, 54559), (474, 54568), (476, 54571), (487, 54595), (489, 54601), (492, 54607), (500, 54634), (504, 54643), (510, 54661), (513, 54670), (514, 54673), (517, 54682), (532, 54727), (538, 54751), (547, 54775), (604, 54820), (690, 54880), (695, 54892), (725, 55000), (749, 55051), (759, 55078), (773, 55111),

Gene: Calix_40 Start: 30802, Stop: 29414, Start Num: 186

Candidate Starts for Calix_40:

(74, 31024), (Start: 186 @30802 has 151 MA's), (270, 30658), (Start: 274 @30652 has 1 MA's), (276, 30649), (319, 30535), (335, 30508), (360, 30448), (376, 30421), (378, 30418), (427, 30322), (439, 30280), (514, 30109), (523, 30088), (530, 30073), (534, 30061), (549, 30013), (583, 29953), (619, 29857), (648, 29794), (669, 29740), (698, 29656), (699, 29650), (704, 29638), (724, 29563), (734,

29542), (759, 29488), (760, 29485), (771, 29461),

Gene: Camille_59 Start: 41729, Stop: 42970, Start Num: 161

Candidate Starts for Camille_59:

(Start: 126 @41660 has 19 MA's), (130, 41669), (Start: 161 @41729 has 143 MA's), (Start: 180 @41774 has 9 MA's), (218, 41852), (226, 41864), (244, 41897), (258, 41918), (286, 41972), (291, 41984), (308, 42023), (313, 42041), (341, 42095), (381, 42182), (385, 42188), (390, 42197), (452, 42350), (491, 42425), (492, 42428), (529, 42539), (530, 42542), (532, 42548), (538, 42572), (742, 42851), (760, 42899),

Gene: CanesSauce_52 Start: 38485, Stop: 37007, Start Num: 143

Candidate Starts for CanesSauce_52:

(Start: 143 @38485 has 53 MA's), (195, 38392), (Start: 204 @38365 has 1 MA's), (244, 38290), (Start: 274 @38248 has 1 MA's), (307, 38167), (378, 38035), (403, 37981), (409, 37969), (441, 37891), (495, 37777), (508, 37750), (514, 37726), (527, 37687), (548, 37621), (559, 37600), (584, 37543), (631, 37426), (652, 37378), (657, 37360), (691, 37264), (698, 37243), (707, 37213),

Gene: Canowicakte_29 Start: 22165, Stop: 23559, Start Num: 123

Candidate Starts for Canowicakte_29:

(Start: 123 @22165 has 76 MA's), (158, 22222), (215, 22327), (268, 22414), (313, 22498), (316, 22501), (317, 22504), (379, 22594), (405, 22630), (409, 22639), (414, 22648), (441, 22705), (448, 22723), (464, 22756), (472, 22768), (503, 22837), (512, 22864), (521, 22888), (534, 22930), (545, 22963), (549, 22978), (554, 22987), (596, 23077), (625, 23146), (641, 23173), (649, 23191), (655, 23203), (686, 23293), (690, 23299), (694, 23308), (696, 23314), (706, 23350), (734, 23437), (765, 23488), (790, 23527), (800, 23551),

Gene: CapnMurica_69 Start: 48472, Stop: 49704, Start Num: 159

Candidate Starts for CapnMurica_69:

(155, 48466), (Start: 159 @48472 has 48 MA's), (164, 48481), (174, 48511), (Start: 180 @48520 has 9 MA's), (218, 48598), (244, 48646), (Start: 255 @48664 has 1 MA's), (308, 48778), (341, 48850), (371, 48913), (385, 48943), (419, 49012), (452, 49105), (454, 49111), (476, 49147), (514, 49249), (676, 49426), (707, 49507), (717, 49540), (720, 49552), (721, 49555), (749, 49624), (756, 49642),

Gene: CaptainRex_40 Start: 29071, Stop: 27644, Start Num: 188

Candidate Starts for CaptainRex_40:

(Start: 188 @29071 has 25 MA's), (199, 29041), (201, 29035), (Start: 274 @28921 has 1 MA's), (276, 28918), (376, 28681), (378, 28678), (493, 28423), (512, 28372), (514, 28366), (534, 28318), (545, 28285), (549, 28270), (575, 28198), (583, 28171), (586, 28162), (600, 28117), (602, 28111), (615, 28084), (648, 28012), (675, 27940), (687, 27904), (691, 27895), (697, 27880), (698, 27874), (704, 27856), (716, 27814), (739, 27751), (766, 27688), (771, 27679),

Gene: Captrips_86 Start: 53401, Stop: 54621, Start Num: 161

Candidate Starts for Captrips_86:

(Start: 161 @53401 has 143 MA's), (Start: 192 @53461 has 23 MA's), (193, 53464), (207, 53503), (221, 53527), (252, 53569), (279, 53611), (291, 53644), (306, 53683), (330, 53740), (341, 53761), (371, 53824), (421, 53926), (431, 53956), (436, 53974), (448, 54007), (452, 54016), (487, 54082), (491, 54091), (492, 54094), (504, 54130), (509, 54139), (510, 54148), (514, 54160), (531, 54211), (532, 54214), (547, 54265), (551, 54274), (676, 54343), (695, 54382), (725, 54490), (742, 54523), (749, 54541), (754, 54556),

Gene: Capybara_86 Start: 53624, Stop: 54844, Start Num: 161

Candidate Starts for Capybara_86:

(Start: 161 @53624 has 143 MA's), (Start: 192 @53684 has 23 MA's), (193, 53687), (207, 53726), (221, 53750), (252, 53792), (279, 53834), (291, 53867), (306, 53906), (308, 53912), (330, 53963), (341, 53984), (371, 54047), (421, 54149), (431, 54179), (436, 54197), (448, 54230), (452, 54239), (487, 54305), (491, 54314), (492, 54317), (504, 54353), (509, 54362), (510, 54371), (514, 54383), (531, 54434), (532, 54437), (547, 54488), (551, 54497), (676, 54566), (695, 54605), (725, 54713), (742, 54746), (749, 54764), (759, 54791),

Gene: CaramellLatte_52 Start: 38485, Stop: 37007, Start Num: 143

Candidate Starts for CaramellLatte_52:

(Start: 143 @38485 has 53 MA's), (195, 38392), (Start: 204 @38365 has 1 MA's), (244, 38290), (Start: 274 @38248 has 1 MA's), (307, 38167), (378, 38035), (403, 37981), (409, 37969), (441, 37891), (495, 37777), (508, 37750), (514, 37726), (527, 37687), (548, 37621), (559, 37600), (584, 37543), (631, 37426), (652, 37378), (657, 37360), (691, 37264), (698, 37243), (707, 37213),

Gene: CarisSwetlik_43 Start: 32061, Stop: 30658, Start Num: 188

Candidate Starts for CarisSwetlik_43:

(66, 32295), (85, 32244), (94, 32223), (Start: 123 @32172 has 76 MA's), (Start: 134 @32154 has 3 MA's), (Start: 188 @32061 has 25 MA's), (270, 31917), (Start: 274 @31911 has 1 MA's), (297, 31848), (319, 31794), (335, 31767), (360, 31707), (376, 31680), (378, 31677), (427, 31581), (439, 31539), (511, 31377), (514, 31368), (523, 31347), (534, 31320), (552, 31269), (583, 31212), (600, 31158), (619, 31116), (640, 31071), (690, 30939), (698, 30915), (699, 30909), (704, 30897), (734, 30801), (749, 30774), (759, 30747), (794, 30690),

Gene: Carostasia_39 Start: 30625, Stop: 29213, Start Num: 192

Candidate Starts for Carostasia_39:

(Start: 186 @30628 has 151 MA's), (Start: 192 @30625 has 23 MA's), (201, 30595), (Start: 204 @30589 has 1 MA's), (224, 30556), (Start: 274 @30481 has 1 MA's), (278, 30475), (319, 30364), (335, 30337), (357, 30286), (360, 30277), (376, 30250), (378, 30247), (399, 30205), (427, 30151), (493, 29995), (512, 29944), (514, 29938), (523, 29917), (527, 29911), (530, 29902), (534, 29890), (535, 29878), (565, 29800), (583, 29740), (585, 29734), (600, 29686), (617, 29644), (648, 29581), (654, 29569), (664, 29545), (666, 29542), (687, 29473), (691, 29464), (697, 29449), (698, 29443), (699, 29437), (704, 29425), (739, 29320), (749, 29302), (753, 29290), (772, 29245),

Gene: Carpal_29 Start: 22107, Stop: 23507, Start Num: 123

Candidate Starts for Carpal_29:

(Start: 123 @22107 has 76 MA's), (158, 22170), (215, 22275), (217, 22278), (268, 22362), (289, 22395), (313, 22446), (317, 22452), (375, 22533), (376, 22536), (379, 22542), (405, 22578), (414, 22596), (416, 22599), (433, 22632), (441, 22653), (448, 22671), (464, 22704), (503, 22785), (512, 22812), (523, 22842), (526, 22851), (534, 22878), (545, 22911), (549, 22926), (576, 22980), (586, 23001), (592, 23013), (596, 23025), (690, 23247), (694, 23256), (696, 23262), (706, 23298), (723, 23358), (734, 23385), (790, 23475),

Gene: Carsonalex_56 Start: 38706, Stop: 37321, Start Num: 195

Candidate Starts for Carsonalex_56:

(140, 38805), (Start: 146 @38796 has 11 MA's), (193, 38712), (195, 38706), (234, 38625), (244, 38604), (308, 38478), (403, 38295), (406, 38289), (409, 38283), (441, 38205), (495, 38091), (508, 38064), (514, 38040), (534, 37980), (548, 37935), (559, 37914), (578, 37875), (584, 37857), (586, 37851), (631, 37740), (652, 37692), (653, 37689), (657, 37674), (691, 37578), (698, 37557), (707, 37527),

Gene: Casablanco_85 Start: 49567, Stop: 48047, Start Num: 129

Candidate Starts for Casablanco_85:

(111, 49600), (Start: 129 @49567 has 41 MA's), (153, 49516), (207, 49408), (245, 49342), (283, 49276), (329, 49153), (336, 49138), (364, 49081), (386, 49048), (387, 49045), (420, 48982), (437, 48931), (440, 48922), (444, 48913), (466, 48859), (486, 48820), (492, 48805), (516, 48736), (526, 48706), (546, 48643), (574, 48571), (651, 48385), (697, 48277), (705, 48247), (717, 48202), (734, 48151), (771, 48088),

Gene: Casey_37 Start: 29766, Stop: 28396, Start Num: 192

Candidate Starts for Casey_37:

(Start: 192 @29766 has 23 MA's), (265, 29637), (278, 29616), (319, 29505), (321, 29502), (358, 29418), (360, 29412), (365, 29400), (378, 29382), (391, 29361), (427, 29286), (436, 29253), (511, 29082), (512, 29079), (514, 29073), (515, 29070), (530, 29037), (549, 28977), (583, 28917), (585, 28911), (586, 28908), (587, 28905), (617, 28821), (674, 28689), (687, 28650), (697, 28626), (698, 28620), (704, 28602), (734, 28506), (749, 28479), (753, 28467), (766, 28434), (772, 28422),

Gene: Cassita_89 Start: 50170, Stop: 48713, Start Num: 101

Candidate Starts for Cassita_89:

(Start: 101 @50170 has 5 MA's), (117, 50140), (175, 50026), (213, 49954), (222, 49942), (248, 49894), (272, 49852), (287, 49816), (297, 49792), (331, 49720), (334, 49714), (340, 49702), (352, 49675), (364, 49654), (406, 49579), (416, 49561), (450, 49465), (455, 49456), (500, 49351), (512, 49321), (513, 49318), (515, 49312), (522, 49300), (523, 49297), (543, 49237), (546, 49228), (587, 49138), (626, 49084), (645, 49048), (683, 48967), (686, 48964), (690, 48961), (694, 48952), (715, 48874), (717, 48868), (751, 48790), (764, 48769), (778, 48742), (780, 48739),

Gene: CastorTray_75 Start: 48503, Stop: 49753, Start Num: 159

Candidate Starts for CastorTray_75:

(Start: 159 @48503 has 48 MA's), (164, 48512), (Start: 180 @48551 has 9 MA's), (218, 48629), (244, 48677), (Start: 255 @48695 has 1 MA's), (308, 48809), (341, 48881), (371, 48944), (385, 48974), (419, 49043), (452, 49136), (454, 49142), (476, 49178), (514, 49280), (676, 49457), (679, 49463), (691, 49487), (707, 49538), (717, 49571), (720, 49583), (749, 49655),

Gene: Caterpillar_71 Start: 47189, Stop: 48424, Start Num: 159

Candidate Starts for Caterpillar_71:

(Start: 159 @47189 has 48 MA's), (Start: 180 @47237 has 9 MA's), (342, 47570), (371, 47630), (385, 47660), (438, 47786), (452, 47822), (454, 47828), (476, 47864), (514, 47966), (707, 48227), (720, 48272), (721, 48275), (749, 48344),

Gene: Chako_40 Start: 30803, Stop: 29415, Start Num: 186

Candidate Starts for Chako_40:

(4, 31454), (50, 31100), (74, 31025), (Start: 186 @30803 has 151 MA's), (270, 30659), (Start: 274 @30653 has 1 MA's), (276, 30650), (319, 30536), (335, 30509), (360, 30449), (376, 30422), (378, 30419), (427, 30323), (439, 30281), (514, 30110), (523, 30089), (530, 30074), (549, 30014), (583, 29954), (619, 29858), (648, 29795), (669, 29741), (698, 29657), (699, 29651), (704, 29639), (734, 29543), (759, 29489), (760, 29486), (771, 29462),

Gene: Chamuel_40 Start: 30828, Stop: 29407, Start Num: 186

Candidate Starts for Chamuel_40:

(74, 31050), (Start: 186 @30828 has 151 MA's), (270, 30684), (Start: 274 @30678 has 1 MA's), (276, 30675), (319, 30561), (335, 30534), (360, 30474), (376, 30447), (378, 30444), (427, 30348), (439, 30306), (511, 30144), (514, 30135), (523, 30114), (534, 30087), (545, 30054), (549, 30039), (577, 29964), (583, 29946), (619, 29850), (648, 29787), (669, 29733), (698, 29649), (699, 29643), (704, 29631), (724, 29556), (734, 29535), (759, 29481), (760, 29478), (771, 29454),

Gene: Cheesy_80 Start: 46569, Stop: 47879, Start Num: 161

Candidate Starts for Cheesy_80:

(Start: 161 @46569 has 143 MA's), (308, 46872), (371, 47007), (385, 47037), (419, 47106), (434, 47151), (448, 47190), (452, 47199), (470, 47229), (491, 47274), (492, 47277), (510, 47331), (512, 47337), (513, 47340), (514, 47343), (518, 47355), (535, 47415), (547, 47445), (735, 47688), (744, 47706), (773, 47778), (797, 47814),

Gene: Cheeto1_42 Start: 31179, Stop: 29788, Start Num: 186

Candidate Starts for Cheeto1_42:

(Start: 186 @31179 has 151 MA's), (270, 31035), (Start: 274 @31029 has 1 MA's), (297, 30966), (335, 30885), (360, 30825), (376, 30798), (378, 30795), (427, 30699), (439, 30657), (492, 30546), (514, 30486), (523, 30465), (534, 30438), (552, 30387), (575, 30357), (583, 30330), (587, 30318), (619, 30231), (648, 30168), (654, 30156), (675, 30096), (687, 30060), (690, 30054), (697, 30036), (698, 30030), (699, 30024), (716, 29970), (734, 29916), (749, 29889), (753, 29877),

Gene: Chepli_42 Start: 30524, Stop: 29118, Start Num: 188

Candidate Starts for Chepli_42:

(Start: 188 @30524 has 25 MA's), (199, 30494), (272, 30377), (Start: 274 @30374 has 1 MA's), (276, 30371), (286, 30344), (297, 30311), (306, 30290), (319, 30248), (335, 30221), (376, 30134), (378, 30131), (399, 30089), (425, 30038), (493, 29876), (514, 29819), (535, 29759), (540, 29750), (545, 29738), (572, 29699), (573, 29696), (580, 29672), (581, 29669), (583, 29663), (615, 29576), (619, 29567), (622, 29564), (687, 29396), (691, 29387), (697, 29372), (698, 29366), (699, 29360), (704, 29348), (749, 29225), (758, 29201), (771, 29171),

Gene: CherryBlossom_81 Start: 49244, Stop: 50428, Start Num: 161

Candidate Starts for CherryBlossom_81:

(Start: 161 @49244 has 143 MA's), (Start: 180 @49289 has 9 MA's), (196, 49319), (308, 49490), (341, 49562), (356, 49601), (385, 49664), (452, 49826), (474, 49865), (477, 49871), (489, 49898), (514, 49970), (532, 50024), (538, 50048), (547, 50072), (549, 50078), (603, 50102), (665, 50108), (707, 50222), (742, 50321), (744, 50327), (756, 50357), (759, 50366), (791, 50420),

Gene: CherryonLim_57 Start: 41741, Stop: 40263, Start Num: 143

Candidate Starts for CherryonLim_57:

(87, 41822), (122, 41768), (Start: 143 @41741 has 53 MA's), (179, 41678), (195, 41651), (Start: 204 @41624 has 1 MA's), (234, 41570), (244, 41549), (257, 41534), (267, 41519), (310, 41414), (378, 41291), (403, 41237), (406, 41231), (409, 41225), (441, 41147), (495, 41033), (527, 40943), (530, 40934), (534, 40922), (540, 40901), (546, 40886), (548, 40877), (559, 40856), (578, 40817), (581, 40808), (586, 40793), (613, 40721), (633, 40673), (635, 40670), (652, 40628), (657, 40610), (691, 40514), (707, 40463), (716, 40433), (724, 40400), (752, 40343), (758, 40328),

Gene: ChewChew_25 Start: 20575, Stop: 21969, Start Num: 123

Candidate Starts for ChewChew_25:

(Start: 123 @20575 has 76 MA's), (158, 20632), (215, 20737), (217, 20740), (268, 20824), (289, 20857), (313, 20908), (317, 20914), (375, 20995), (376, 20998), (379, 21004), (405, 21040), (414, 21058), (416, 21061), (433, 21094), (441, 21115), (503, 21247), (512, 21274), (526, 21313), (533, 21334), (534, 21340), (545, 21373), (549, 21388), (554, 21397), (576, 21442), (593, 21478), (609, 21520), (641, 21583), (649, 21601), (686, 21703), (689, 21706), (696, 21724), (697, 21727), (705, 21751), (706, 21760), (734, 21847), (790, 21937), (800, 21961),

Gene: ChickenKing_40 Start: 31093, Stop: 29702, Start Num: 186

Candidate Starts for ChickenKing_40:

(Start: 186 @31093 has 151 MA's), (270, 30949), (Start: 274 @30943 has 1 MA's), (297, 30880), (335, 30799), (360, 30739), (376, 30712), (378, 30709), (383, 30703), (427, 30613), (439, 30571), (514, 30400), (523, 30379), (530, 30364), (534, 30352), (552, 30301), (583, 30244), (587, 30232), (648,

30082), (654, 30070), (675, 30010), (687, 29974), (690, 29968), (697, 29950), (698, 29944), (699, 29938), (716, 29884), (724, 29851), (734, 29830), (753, 29791),

Gene: ChickenTender_56 Start: 38517, Stop: 37042, Start Num: 143

Candidate Starts for ChickenTender_56:

(Start: 143 @38517 has 53 MA's), (195, 38427), (234, 38346), (244, 38325), (307, 38202), (308, 38199), (403, 38016), (406, 38010), (409, 38004), (441, 37926), (495, 37812), (508, 37785), (514, 37761), (534, 37701), (548, 37656), (559, 37635), (584, 37578), (631, 37461), (652, 37413), (653, 37410), (691, 37299), (698, 37278), (702, 37266), (707, 37248),

Gene: ChickyNuggy_89 Start: 53792, Stop: 55012, Start Num: 161

Candidate Starts for ChickyNuggy_89:

(Start: 161 @53792 has 143 MA's), (Start: 192 @53852 has 23 MA's), (193, 53855), (207, 53894), (221, 53918), (252, 53960), (279, 54002), (288, 54029), (291, 54035), (306, 54074), (308, 54080), (341, 54152), (371, 54215), (421, 54317), (431, 54347), (436, 54365), (448, 54398), (452, 54407), (487, 54473), (491, 54482), (492, 54485), (504, 54521), (509, 54530), (510, 54539), (514, 54551), (531, 54602), (532, 54605), (547, 54656), (551, 54665), (676, 54734), (695, 54773), (725, 54881), (749, 54932), (754, 54947),

Gene: ChikPic_40 Start: 30953, Stop: 29541, Start Num: 192

Candidate Starts for ChikPic_40:

(Start: 186 @30956 has 151 MA's), (Start: 192 @30953 has 23 MA's), (201, 30923), (Start: 204 @30917 has 1 MA's), (224, 30884), (319, 30692), (335, 30665), (360, 30605), (376, 30578), (378, 30575), (399, 30533), (427, 30479), (439, 30437), (493, 30323), (514, 30266), (523, 30245), (530, 30230), (534, 30218), (535, 30206), (537, 30203), (545, 30185), (572, 30104), (583, 30068), (600, 30014), (617, 29972), (633, 29942), (644, 29918), (647, 29912), (666, 29870), (687, 29801), (697, 29777), (698, 29771), (699, 29765), (704, 29753), (734, 29657), (739, 29648), (749, 29630), (753, 29618), (772, 29573),

Gene: Chikenjars_87 Start: 55382, Stop: 56596, Start Num: 161

Candidate Starts for Chikenjars_87:

(Start: 161 @55382 has 143 MA's), (164, 55388), (Start: 192 @55442 has 23 MA's), (193, 55445), (196, 55457), (207, 55484), (209, 55487), (221, 55508), (252, 55550), (279, 55592), (291, 55625), (306, 55664), (341, 55742), (342, 55745), (371, 55805), (421, 55907), (439, 55964), (449, 55991), (452, 55997), (474, 56036), (487, 56063), (489, 56069), (492, 56075), (500, 56102), (504, 56111), (510, 56129), (513, 56138), (514, 56141), (517, 56150), (538, 56219), (547, 56243), (576, 56273), (725, 56468), (749, 56519), (759, 56546), (773, 56579),

Gene: Chivey_40 Start: 25169, Stop: 27076, Start Num: 27

Candidate Starts for Chivey_40:

(5, 24995), (Start: 27 @25169 has 36 MA's), (35, 25232), (41, 25253), (54, 25307), (112, 25442), (135, 25484), (156, 25529), (249, 25703), (254, 25712), (297, 25802), (311, 25844), (317, 25859), (410, 26045), (469, 26180), (475, 26192), (490, 26225), (534, 26354), (576, 26471), (676, 26744), (691, 26783), (707, 26843), (737, 26933), (753, 26963), (771, 27005), (799, 27056),

Gene: Chlochlo_78 Start: 48038, Stop: 49270, Start Num: 159

Candidate Starts for Chlochlo_78:

(Start: 159 @48038 has 48 MA's), (Start: 162 @48044 has 15 MA's), (166, 48050), (Start: 180 @48083 has 9 MA's), (244, 48209), (308, 48341), (371, 48476), (385, 48506), (452, 48668), (454, 48674), (476, 48710), (514, 48812), (679, 48998), (707, 49073), (717, 49106), (720, 49118), (749, 49190),

Gene: ChocoMunchkin_52 Start: 38485, Stop: 37007, Start Num: 143

Candidate Starts for ChocoMunchkin_52:

(Start: 143 @38485 has 53 MA's), (195, 38392), (Start: 204 @38365 has 1 MA's), (244, 38290), (Start: 274 @38248 has 1 MA's), (307, 38167), (378, 38035), (403, 37981), (409, 37969), (441, 37891), (495, 37777), (508, 37750), (514, 37726), (527, 37687), (548, 37621), (559, 37600), (584, 37543), (631, 37426), (652, 37378), (657, 37360), (691, 37264), (698, 37243), (707, 37213),

Gene: Cholula_29 Start: 22153, Stop: 23553, Start Num: 123

Candidate Starts for Cholula_29:

(Start: 123 @22153 has 76 MA's), (158, 22216), (215, 22321), (217, 22324), (268, 22408), (289, 22441), (313, 22492), (317, 22498), (375, 22579), (376, 22582), (379, 22588), (405, 22624), (414, 22642), (416, 22645), (441, 22699), (464, 22750), (503, 22831), (512, 22858), (523, 22888), (526, 22897), (534, 22924), (545, 22957), (549, 22972), (576, 23026), (586, 23047), (592, 23059), (596, 23071), (690, 23293), (694, 23302), (696, 23308), (706, 23344), (723, 23404), (734, 23431), (790, 23521),

Gene: Chridison_26 Start: 21746, Stop: 23140, Start Num: 123

Candidate Starts for Chridison_26:

(Start: 123 @21746 has 76 MA's), (158, 21803), (Start: 204 @21890 has 1 MA's), (215, 21908), (217, 21911), (268, 21995), (289, 22028), (313, 22079), (317, 22085), (360, 22145), (379, 22175), (405, 22211), (414, 22229), (441, 22286), (448, 22304), (451, 22310), (464, 22337), (503, 22418), (512, 22445), (521, 22469), (526, 22484), (534, 22511), (545, 22544), (549, 22559), (569, 22586), (625, 22727), (641, 22754), (646, 22766), (655, 22784), (671, 22826), (686, 22874), (690, 22880), (696, 22895), (697, 22898), (706, 22931), (723, 22991), (734, 23018), (768, 23075), (790, 23108), (800, 23132),

Gene: Christian_25 Start: 20576, Stop: 21970, Start Num: 123

Candidate Starts for Christian_25:

(Start: 123 @20576 has 76 MA's), (158, 20633), (215, 20738), (217, 20741), (268, 20825), (289, 20858), (317, 20915), (375, 20996), (376, 20999), (379, 21005), (405, 21041), (414, 21059), (416, 21062), (433, 21095), (441, 21116), (503, 21248), (512, 21275), (526, 21314), (533, 21335), (534, 21341), (545, 21374), (549, 21389), (554, 21398), (576, 21443), (593, 21479), (609, 21521), (641, 21584), (649, 21602), (686, 21704), (689, 21707), (696, 21725), (697, 21728), (705, 21752), (706, 21761), (734, 21848), (790, 21938), (800, 21962),

Gene: Christoph_40 Start: 30815, Stop: 29427, Start Num: 186

Candidate Starts for Christoph_40:

(74, 31037), (Start: 186 @30815 has 151 MA's), (270, 30671), (Start: 274 @30665 has 1 MA's), (276, 30662), (319, 30548), (335, 30521), (360, 30461), (376, 30434), (378, 30431), (427, 30335), (439, 30293), (514, 30122), (523, 30101), (530, 30086), (549, 30026), (583, 29966), (619, 29870), (648, 29807), (669, 29753), (698, 29669), (699, 29663), (704, 29651), (734, 29555), (759, 29501), (760, 29498), (771, 29474),

Gene: Cicada_35 Start: 23458, Stop: 24885, Start Num: 126

Candidate Starts for Cicada_35:

(Start: 126 @23458 has 19 MA's), (300, 23776), (316, 23815), (360, 23878), (389, 23923), (405, 23944), (451, 24043), (519, 24211), (534, 24259), (539, 24280), (549, 24307), (568, 24334), (576, 24364), (577, 24367), (578, 24370), (595, 24406), (630, 24484), (668, 24568), (675, 24586), (676, 24589), (706, 24676), (710, 24688), (721, 24727), (734, 24763), (738, 24769), (765, 24814), (782, 24844),

Gene: Cidela_38 Start: 31675, Stop: 30263, Start Num: 192

Candidate Starts for Cidela_38:

(169, 31705), (Start: 186 @31678 has 151 MA's), (Start: 192 @31675 has 23 MA's), (199, 31651), (Start: 204 @31639 has 1 MA's), (224, 31606), (276, 31528), (319, 31414), (335, 31387), (360, 31327),

(376, 31300), (378, 31297), (399, 31255), (427, 31201), (493, 31045), (512, 30994), (514, 30988), (523, 30967), (527, 30961), (530, 30952), (535, 30928), (562, 30865), (565, 30850), (583, 30790), (585, 30784), (600, 30736), (617, 30694), (648, 30631), (654, 30619), (687, 30523), (691, 30514), (697, 30499), (698, 30493), (739, 30370), (753, 30340), (771, 30298), (789, 30271),

Gene: Circum_80 Start: 47002, Stop: 48312, Start Num: 161

Candidate Starts for Circum_80:

(Start: 161 @47002 has 143 MA's), (371, 47440), (385, 47470), (419, 47539), (434, 47584), (448, 47623), (452, 47632), (470, 47662), (477, 47677), (491, 47707), (492, 47710), (504, 47746), (510, 47764), (512, 47770), (513, 47773), (514, 47776), (518, 47788), (531, 47827), (535, 47848), (547, 47878), (684, 47974), (735, 48121), (744, 48139), (773, 48211), (797, 48247),

Gene: Citrus_85 Start: 54975, Stop: 56189, Start Num: 161

Candidate Starts for Citrus_85:

(Start: 161 @54975 has 143 MA's), (164, 54981), (Start: 192 @55035 has 23 MA's), (196, 55050), (207, 55077), (209, 55080), (221, 55101), (252, 55143), (279, 55185), (291, 55218), (306, 55257), (341, 55335), (342, 55338), (371, 55398), (421, 55500), (431, 55530), (439, 55557), (448, 55581), (452, 55590), (470, 55620), (474, 55629), (476, 55632), (487, 55656), (492, 55668), (500, 55695), (504, 55704), (510, 55722), (513, 55731), (514, 55734), (517, 55743), (532, 55788), (538, 55812), (547, 55836), (576, 55866), (695, 55953), (725, 56061), (749, 56112), (759, 56139), (773, 56172),

Gene: Clancy_40 Start: 30848, Stop: 29460, Start Num: 186

Candidate Starts for Clancy_40:

(4, 31499), (50, 31145), (74, 31070), (Start: 186 @30848 has 151 MA's), (270, 30704), (Start: 274 @30698 has 1 MA's), (276, 30695), (319, 30581), (335, 30554), (360, 30494), (376, 30467), (378, 30464), (427, 30368), (439, 30326), (514, 30155), (523, 30134), (530, 30119), (549, 30059), (583, 29999), (619, 29903), (648, 29840), (669, 29786), (698, 29702), (699, 29696), (704, 29684), (734, 29588), (759, 29534), (760, 29531), (771, 29507),

Gene: Cleo_47 Start: 37658, Stop: 36168, Start Num: 143

Candidate Starts for Cleo_47:

(Start: 143 @37658 has 53 MA's), (168, 37616), (193, 37574), (195, 37568), (Start: 204 @37541 has 1 MA's), (234, 37487), (238, 37481), (257, 37451), (Start: 274 @37424 has 1 MA's), (307, 37343), (308, 37340), (310, 37334), (316, 37313), (348, 37247), (378, 37211), (394, 37187), (403, 37157), (406, 37151), (409, 37145), (441, 37067), (503, 36935), (508, 36926), (532, 36848), (545, 36809), (548, 36797), (549, 36794), (572, 36758), (577, 36740), (578, 36737), (579, 36734), (584, 36719), (591, 36692), (595, 36680), (604, 36647), (633, 36578), (652, 36533), (653, 36530), (668, 36488), (673, 36473), (689, 36425), (691, 36419), (707, 36368), (741, 36272), (752, 36248), (765, 36215), (785, 36182), (788, 36179),

Gene: Clock_40 Start: 31950, Stop: 30520, Start Num: 186

Candidate Starts for Clock_40:

(Start: 186 @31950 has 151 MA's), (199, 31917), (224, 31872), (Start: 274 @31797 has 1 MA's), (276, 31794), (325, 31662), (332, 31650), (376, 31557), (378, 31554), (512, 31248), (514, 31242), (523, 31221), (534, 31194), (535, 31182), (537, 31179), (545, 31161), (566, 31104), (583, 31047), (587, 31035), (600, 30993), (615, 30960), (619, 30951), (629, 30927), (648, 30888), (669, 30834), (687, 30780), (691, 30771), (697, 30756), (698, 30750), (739, 30627), (749, 30609), (758, 30585),

Gene: ClubPenguin_86 Start: 50065, Stop: 51252, Start Num: 162

Candidate Starts for ClubPenguin_86:

(Start: 162 @50065 has 15 MA's), (207, 50164), (371, 50455), (395, 50500), (419, 50554), (452, 50647), (492, 50725), (514, 50791), (517, 50800), (518, 50803), (532, 50845), (538, 50869), (547, 50893), (742, 51142), (754, 51175), (756, 51178), (783, 51232), (795, 51247),

Gene: CocoaPuff_56 Start: 40198, Stop: 38810, Start Num: 195

Candidate Starts for CocoaPuff_56:

(87, 40366), (120, 40315), (122, 40312), (Start: 143 @40288 has 53 MA's), (179, 40225), (193, 40204), (195, 40198), (Start: 204 @40171 has 1 MA's), (234, 40117), (257, 40081), (267, 40066), (307, 39970), (310, 39961), (316, 39940), (348, 39874), (378, 39838), (403, 39784), (406, 39778), (409, 39772), (441, 39694), (447, 39679), (495, 39580), (522, 39505), (530, 39481), (534, 39469), (540, 39448), (546, 39433), (548, 39424), (559, 39403), (578, 39364), (581, 39355), (586, 39340), (604, 39289), (635, 39217), (652, 39175), (653, 39172), (657, 39157), (691, 39061), (707, 39010), (716, 38980), (724, 38947), (752, 38890), (758, 38875),

Gene: ColaCorta_40 Start: 31099, Stop: 29687, Start Num: 192

Candidate Starts for ColaCorta_40:

(Start: 192 @31099 has 23 MA's), (201, 31069), (Start: 204 @31063 has 1 MA's), (224, 31030), (319, 30838), (335, 30811), (360, 30751), (376, 30724), (378, 30721), (399, 30679), (427, 30625), (439, 30583), (493, 30469), (514, 30412), (523, 30391), (530, 30376), (534, 30364), (535, 30352), (537, 30349), (545, 30331), (572, 30250), (583, 30214), (600, 30160), (617, 30118), (633, 30088), (644, 30064), (647, 30058), (666, 30016), (687, 29947), (697, 29923), (698, 29917), (699, 29911), (704, 29899), (734, 29803), (739, 29794), (749, 29776), (753, 29764), (772, 29719),

Gene: Commonplace_74 Start: 46896, Stop: 45316, Start Num: 70

Candidate Starts for Commonplace_74:

(Start: 70 @46896 has 2 MA's), (89, 46845), (97, 46830), (Start: 146 @46737 has 11 MA's), (154, 46722), (170, 46692), (176, 46677), (197, 46653), (208, 46626), (240, 46581), (263, 46542), (272, 46527), (291, 46485), (312, 46431), (344, 46368), (396, 46278), (411, 46242), (437, 46185), (445, 46164), (484, 46080), (503, 46029), (536, 45936), (544, 45921), (553, 45897), (560, 45882), (561, 45879), (572, 45855), (574, 45849), (578, 45834), (616, 45750), (626, 45729), (628, 45726), (644, 45696), (645, 45693), (671, 45624), (674, 45612), (688, 45570), (690, 45564), (702, 45525), (708, 45501), (734, 45420), (761, 45378), (762, 45375),

Gene: Conley_84 Start: 53935, Stop: 55155, Start Num: 161

Candidate Starts for Conley_84:

(Start: 161 @53935 has 143 MA's), (193, 53998), (279, 54145), (306, 54217), (313, 54241), (373, 54361), (390, 54397), (421, 54460), (431, 54490), (436, 54508), (448, 54541), (452, 54550), (456, 54559), (487, 54616), (491, 54625), (504, 54664), (509, 54673), (510, 54682), (514, 54694), (531, 54745), (532, 54748), (547, 54799), (551, 54808), (676, 54877), (695, 54916), (725, 55024), (749, 55075),

Gene: Convict_41 Start: 31118, Stop: 29730, Start Num: 186

Candidate Starts for Convict_41:

(4, 31769), (50, 31415), (74, 31340), (Start: 186 @31118 has 151 MA's), (270, 30974), (Start: 274 @30968 has 1 MA's), (276, 30965), (319, 30851), (335, 30824), (360, 30764), (376, 30737), (378, 30734), (427, 30638), (439, 30596), (514, 30425), (523, 30404), (534, 30377), (549, 30329), (583, 30269), (648, 30110), (669, 30056), (698, 29972), (699, 29966), (704, 29954), (734, 29858), (759, 29804), (760, 29801), (771, 29777),

Gene: CoolCookie_40 Start: 25941, Stop: 27848, Start Num: 27

Candidate Starts for CoolCookie_40:

(Start: 27 @25941 has 36 MA's), (35, 26004), (41, 26025), (54, 26079), (135, 26256), (156, 26301), (249, 26475), (254, 26484), (297, 26574), (317, 26631), (410, 26817), (469, 26952), (475, 26964), (490, 26997), (534, 27126), (576, 27243), (601, 27318), (690, 27552), (691, 27555), (707, 27615), (737, 27705), (753, 27735), (771, 27777), (799, 27828),

Gene: CoraRita_40 Start: 30818, Stop: 29430, Start Num: 186

Candidate Starts for CoraRita_40:

(4, 31469), (50, 31115), (74, 31040), (Start: 186 @30818 has 151 MA's), (270, 30674), (Start: 274 @30668 has 1 MA's), (276, 30665), (319, 30551), (335, 30524), (360, 30464), (376, 30437), (378, 30434), (427, 30338), (439, 30296), (514, 30125), (523, 30104), (530, 30089), (549, 30029), (583, 29969), (619, 29873), (648, 29810), (669, 29756), (698, 29672), (699, 29666), (704, 29654), (734, 29558), (759, 29504), (760, 29501), (771, 29477),

Gene: Correa_77 Start: 45960, Stop: 47270, Start Num: 161

Candidate Starts for Correa_77:

(Start: 161 @45960 has 143 MA's), (371, 46398), (385, 46428), (419, 46497), (434, 46542), (448, 46581), (452, 46590), (470, 46620), (491, 46665), (492, 46668), (504, 46704), (510, 46722), (512, 46728), (513, 46731), (514, 46734), (518, 46746), (535, 46806), (547, 46836), (735, 47079), (744, 47097), (773, 47169), (797, 47205),

Gene: Count_93 Start: 60037, Stop: 61344, Start Num: 162

Candidate Starts for Count_93:

(Start: 162 @60037 has 15 MA's), (167, 60049), (Start: 180 @60079 has 9 MA's), (214, 60151), (226, 60169), (232, 60178), (244, 60202), (252, 60214), (Start: 255 @60220 has 1 MA's), (284, 60268), (306, 60322), (385, 60493), (431, 60595), (434, 60607), (452, 60655), (476, 60697), (492, 60733), (535, 60871), (547, 60901), (690, 61003), (760, 61204), (806, 61306),

Gene: Cozz_51 Start: 38430, Stop: 36952, Start Num: 143

Candidate Starts for Cozz_51:

(Start: 143 @38430 has 53 MA's), (193, 38343), (195, 38337), (234, 38256), (244, 38235), (308, 38109), (403, 37926), (406, 37920), (409, 37914), (441, 37836), (495, 37722), (508, 37695), (514, 37671), (534, 37611), (548, 37566), (559, 37545), (578, 37506), (584, 37488), (631, 37371), (652, 37323), (653, 37320), (657, 37305), (691, 37209), (698, 37188), (707, 37158), (788, 36969),

Gene: Creature_75 Start: 51532, Stop: 53070, Start Num: 131

Candidate Starts for Creature_75:

(Start: 131 @51532 has 2 MA's), (149, 51571), (195, 51658), (210, 51700), (214, 51706), (216, 51709), (221, 51715), (236, 51742), (247, 51763), (263, 51784), (276, 51805), (281, 51814), (292, 51847), (294, 51856), (298, 51868), (305, 51883), (308, 51892), (309, 51895), (376, 52036), (378, 52042), (403, 52096), (409, 52108), (425, 52132), (431, 52153), (441, 52186), (458, 52225), (470, 52249), (474, 52258), (514, 52363), (529, 52408), (540, 52444), (545, 52456), (548, 52468), (549, 52471), (604, 52588), (631, 52654), (633, 52657), (635, 52660), (644, 52684), (652, 52702), (661, 52726), (689, 52810), (690, 52813), (702, 52849), (707, 52867), (716, 52897), (749, 52978), (754, 52993), (785, 53053),

Gene: Crestdrop_40 Start: 25203, Stop: 27110, Start Num: 27

Candidate Starts for Crestdrop_40:

(5, 25029), (Start: 27 @25203 has 36 MA's), (35, 25266), (41, 25287), (54, 25341), (112, 25476), (135, 25518), (156, 25563), (249, 25737), (254, 25746), (297, 25836), (311, 25878), (317, 25893), (410, 26079), (469, 26214), (475, 26226), (490, 26259), (534, 26388), (576, 26505), (676, 26778), (691, 26817), (707, 26877), (737, 26967), (753, 26997), (771, 27039), (799, 27090),

Gene: CricKo_89 Start: 51423, Stop: 52613, Start Num: 161

Candidate Starts for CricKo_89:

(Start: 161 @51423 has 143 MA's), (209, 51528), (279, 51597), (342, 51750), (349, 51768), (395, 51855), (419, 51909), (452, 52002), (468, 52029), (517, 52155), (535, 52218), (547, 52248), (555, 52266), (711, 52413), (733, 52482), (742, 52497), (748, 52512), (754, 52530), (756, 52533), (759, 52542),

Gene: CristinaYang_25 Start: 20580, Stop: 21974, Start Num: 123

Candidate Starts for CristinaYang_25:

(Start: 123 @20580 has 76 MA's), (158, 20637), (215, 20742), (217, 20745), (268, 20829), (289, 20862), (313, 20913), (317, 20919), (375, 21000), (376, 21003), (379, 21009), (405, 21045), (414, 21063), (416, 21066), (433, 21099), (441, 21120), (503, 21252), (512, 21279), (526, 21318), (533, 21339), (534, 21345), (545, 21378), (549, 21393), (554, 21402), (576, 21447), (593, 21483), (609, 21525), (641, 21588), (649, 21606), (686, 21708), (689, 21711), (696, 21729), (697, 21732), (705, 21756), (706, 21765), (734, 21852), (790, 21942), (800, 21966),

Gene: Crocheter_86 Start: 54405, Stop: 55619, Start Num: 161

Candidate Starts for Crocheter_86:

(Start: 161 @54405 has 143 MA's), (164, 54411), (Start: 192 @54465 has 23 MA's), (193, 54468), (196, 54480), (218, 54528), (221, 54531), (252, 54573), (279, 54615), (291, 54648), (306, 54687), (341, 54765), (342, 54768), (371, 54828), (447, 55008), (448, 55011), (449, 55014), (452, 55020), (474, 55059), (487, 55086), (492, 55098), (500, 55125), (504, 55134), (510, 55152), (513, 55161), (514, 55164), (517, 55173), (532, 55218), (538, 55242), (547, 55266), (684, 55365), (690, 55371), (695, 55383), (707, 55425), (725, 55491), (735, 55512), (749, 55542), (773, 55602),

Gene: Crosby_42 Start: 31144, Stop: 32538, Start Num: 132

Candidate Starts for Crosby_42:

(Start: 132 @31144 has 13 MA's), (Start: 134 @31147 has 3 MA's), (172, 31222), (185, 31246), (189, 31252), (205, 31276), (215, 31291), (217, 31294), (260, 31366), (277, 31381), (295, 31417), (360, 31516), (411, 31594), (465, 31717), (519, 31852), (528, 31879), (534, 31900), (569, 31978), (578, 32011), (582, 32020), (598, 32062), (628, 32128), (630, 32131), (641, 32152), (649, 32170), (656, 32188), (676, 32242), (686, 32272), (706, 32329), (707, 32332), (721, 32380), (736, 32419), (745, 32434), (787, 32503), (798, 32521), (800, 32530),

Gene: Cybele_40 Start: 25911, Stop: 27818, Start Num: 27

Candidate Starts for Cybele_40:

(Start: 27 @25911 has 36 MA's), (35, 25974), (41, 25995), (54, 26049), (135, 26226), (156, 26271), (249, 26445), (254, 26454), (297, 26544), (410, 26787), (469, 26922), (475, 26934), (490, 26967), (534, 27096), (576, 27213), (601, 27288), (690, 27522), (691, 27525), (707, 27585), (737, 27675), (753, 27705), (771, 27747), (799, 27798),

Gene: Daddyjeff_74 Start: 46083, Stop: 47339, Start Num: 161

Candidate Starts for Daddyjeff_74:

(Start: 161 @46083 has 143 MA's), (Start: 192 @46143 has 23 MA's), (193, 46146), (196, 46158), (207, 46185), (228, 46221), (342, 46458), (371, 46518), (373, 46521), (385, 46548), (434, 46662), (438, 46674), (449, 46704), (452, 46710), (491, 46785), (510, 46842), (518, 46866), (529, 46899), (532, 46908), (549, 46962), (707, 47112), (708, 47115), (711, 47127), (725, 47178),

Gene: Daiboju_26 Start: 21732, Stop: 23129, Start Num: 123

Candidate Starts for Daiboju_26:

(Start: 123 @21732 has 76 MA's), (158, 21792), (Start: 204 @21879 has 1 MA's), (215, 21897), (217, 21900), (268, 21984), (271, 21990), (289, 22017), (313, 22068), (317, 22074), (350, 22125), (360, 22134), (375, 22155), (379, 22164), (405, 22200), (416, 22221), (433, 22254), (441, 22275), (448, 22293), (451, 22299), (464, 22326), (472, 22338), (479, 22353), (503, 22407), (521, 22458), (523, 22464), (526, 22473), (528, 22479), (534, 22500), (545, 22533), (549, 22548), (554, 22557), (609, 22680), (628, 22719), (641, 22743), (646, 22755), (686, 22863), (690, 22869), (694, 22878), (696, 22884), (706, 22920), (734, 23007), (790, 23097), (800, 23121),

Gene: Damascus_61 Start: 43136, Stop: 44377, Start Num: 161

Candidate Starts for Damascus_61:

(Start: 161 @43136 has 143 MA's), (Start: 180 @43181 has 9 MA's), (218, 43259), (244, 43304), (252, 43316), (258, 43325), (303, 43418), (306, 43424), (342, 43505), (385, 43595), (452, 43757), (477, 43802), (486, 43820), (491, 43832), (492, 43835), (518, 43913), (525, 43934), (529, 43946), (530, 43949), (538, 43979), (551, 44012), (690, 44105), (742, 44258), (760, 44306),

Gene: Dancer_87 Start: 53358, Stop: 54578, Start Num: 161

Candidate Starts for Dancer_87:

(Start: 161 @53358 has 143 MA's), (Start: 192 @53418 has 23 MA's), (193, 53421), (207, 53460), (221, 53484), (252, 53526), (279, 53568), (291, 53601), (306, 53640), (308, 53646), (341, 53718), (371, 53781), (421, 53883), (431, 53913), (436, 53931), (448, 53964), (449, 53967), (452, 53973), (482, 54030), (487, 54039), (491, 54048), (492, 54051), (504, 54087), (509, 54096), (510, 54105), (514, 54117), (531, 54168), (532, 54171), (547, 54222), (551, 54231), (695, 54339), (725, 54447), (742, 54480), (749, 54498), (754, 54513),

Gene: DannyDe_40 Start: 25175, Stop: 27082, Start Num: 27

Candidate Starts for DannyDe_40:

(5, 25001), (Start: 27 @25175 has 36 MA's), (35, 25238), (54, 25313), (112, 25448), (135, 25490), (156, 25535), (249, 25709), (254, 25718), (297, 25808), (311, 25850), (317, 25865), (410, 26051), (469, 26186), (475, 26198), (490, 26231), (534, 26360), (576, 26477), (676, 26750), (691, 26789), (707, 26849), (737, 26939), (753, 26969), (771, 27011), (799, 27062),

Gene: Darby_69 Start: 47502, Stop: 48734, Start Num: 159

Candidate Starts for Darby_69:

(Start: 159 @47502 has 48 MA's), (164, 47511), (Start: 180 @47550 has 9 MA's), (244, 47676), (308, 47808), (341, 47880), (371, 47943), (385, 47973), (419, 48042), (452, 48135), (454, 48141), (476, 48177), (514, 48279), (691, 48486), (707, 48537), (709, 48543), (711, 48552), (721, 48585), (749, 48654),

Gene: Dauntless_39 Start: 25497, Stop: 27404, Start Num: 27

Candidate Starts for Dauntless_39:

(5, 25323), (Start: 27 @25497 has 36 MA's), (35, 25560), (41, 25581), (54, 25635), (112, 25770), (127, 25797), (135, 25812), (156, 25857), (249, 26031), (254, 26040), (297, 26130), (311, 26172), (317, 26187), (410, 26373), (469, 26508), (475, 26520), (490, 26553), (534, 26682), (568, 26769), (576, 26799), (676, 27072), (691, 27111), (707, 27171), (737, 27261), (753, 27291), (771, 27333), (799, 27384),

Gene: Dave_41 Start: 31109, Stop: 29721, Start Num: 186

Candidate Starts for Dave_41:

(74, 31331), (Start: 186 @31109 has 151 MA's), (270, 30965), (Start: 274 @30959 has 1 MA's), (276, 30956), (319, 30842), (335, 30815), (360, 30755), (376, 30728), (378, 30725), (427, 30629), (439, 30587), (514, 30416), (523, 30395), (530, 30380), (534, 30368), (549, 30320), (583, 30260), (619, 30164), (648, 30101), (669, 30047), (698, 29963), (699, 29957), (704, 29945), (724, 29870), (734, 29849), (759, 29795), (760, 29792), (771, 29768),

Gene: DejaVu_80 Start: 49301, Stop: 47778, Start Num: 129

Candidate Starts for DejaVu_80:

(33, 49562), (42, 49520), (Start: 129 @49301 has 41 MA's), (182, 49190), (202, 49151), (207, 49142), (263, 49046), (285, 49004), (291, 48986), (310, 48932), (329, 48887), (330, 48884), (387, 48782), (440, 48659), (455, 48623), (473, 48584), (499, 48518), (510, 48491), (516, 48473), (526, 48443), (545, 48383), (558, 48353), (562, 48341), (564, 48335), (690, 48026), (697, 48008), (707, 47966), (709, 47960), (714, 47942), (715, 47939), (773, 47813),

Gene: Delphidian_41 Start: 31117, Stop: 29729, Start Num: 186

Candidate Starts for Delphidian_41:

(74, 31339), (Start: 186 @31117 has 151 MA's), (270, 30973), (Start: 274 @30967 has 1 MA's), (276, 30964), (319, 30850), (335, 30823), (360, 30763), (376, 30736), (378, 30733), (383, 30727), (427, 30637), (439, 30595), (514, 30424), (530, 30388), (534, 30376), (545, 30343), (549, 30328), (583, 30268), (619, 30172), (648, 30109), (669, 30055), (698, 29971), (699, 29965), (704, 29953), (734, 29857), (759, 29803), (760, 29800), (771, 29776),

Gene: Demure_85 Start: 54408, Stop: 55622, Start Num: 161

Candidate Starts for Demure_85:

(Start: 161 @54408 has 143 MA's), (164, 54414), (Start: 192 @54468 has 23 MA's), (193, 54471), (196, 54483), (218, 54531), (221, 54534), (252, 54576), (279, 54618), (288, 54645), (291, 54651), (306, 54690), (341, 54768), (342, 54771), (371, 54831), (421, 54933), (431, 54963), (439, 54990), (448, 55014), (452, 55023), (474, 55062), (476, 55065), (486, 55086), (487, 55089), (489, 55095), (492, 55101), (500, 55128), (504, 55137), (510, 55155), (513, 55164), (514, 55167), (517, 55176), (528, 55209), (538, 55245), (547, 55269), (576, 55299), (604, 55314), (684, 55368), (690, 55374), (695, 55386), (707, 55428), (725, 55494), (749, 55545), (759, 55572), (773, 55605),

Gene: Den3_41 Start: 31123, Stop: 29735, Start Num: 186

Candidate Starts for Den3_41:

(4, 31774), (50, 31420), (74, 31345), (Start: 186 @31123 has 151 MA's), (270, 30979), (Start: 274 @30973 has 1 MA's), (276, 30970), (319, 30856), (335, 30829), (360, 30769), (376, 30742), (378, 30739), (427, 30643), (439, 30601), (514, 30430), (523, 30409), (534, 30382), (549, 30334), (583, 30274), (648, 30115), (669, 30061), (698, 29977), (699, 29971), (704, 29959), (734, 29863), (759, 29809), (760, 29806), (771, 29782),

Gene: Deschain_85 Start: 50231, Stop: 48711, Start Num: 129

Candidate Starts for Deschain_85:

(111, 50264), (Start: 129 @50231 has 41 MA's), (153, 50180), (207, 50072), (245, 50006), (283, 49940), (329, 49817), (336, 49802), (364, 49745), (386, 49712), (387, 49709), (420, 49646), (437, 49595), (440, 49586), (444, 49577), (466, 49523), (486, 49484), (492, 49469), (516, 49400), (526, 49370), (546, 49307), (574, 49235), (651, 49049), (697, 48941), (705, 48911), (717, 48866), (734, 48815), (771, 48752),

Gene: DevitoJr_71 Start: 47884, Stop: 49134, Start Num: 159

Candidate Starts for DevitoJr_71:

(Start: 159 @47884 has 48 MA's), (164, 47893), (Start: 180 @47932 has 9 MA's), (218, 48010), (244, 48058), (Start: 255 @48076 has 1 MA's), (308, 48190), (341, 48262), (371, 48325), (385, 48355), (419, 48424), (452, 48517), (454, 48523), (476, 48559), (514, 48661), (691, 48868), (707, 48919), (711, 48934), (717, 48952), (720, 48964), (721, 48967), (749, 49036),

Gene: Dewdrop_117 Start: 70672, Stop: 72663, Start Num: 9

Candidate Starts for Dewdrop_117:

(Start: 9 @70672 has 4 MA's), (11, 70705), (42, 70900), (44, 70906), (47, 70909), (51, 70939), (55, 70960), (60, 70972), (80, 71026), (92, 71053), (96, 71062), (139, 71116), (150, 71134), (151, 71137), (181, 71188), (203, 71230), (262, 71332), (340, 71494), (350, 71518), (367, 71542), (370, 71545), (397, 71587), (402, 71608), (414, 71632), (429, 71653), (435, 71674), (438, 71683), (481, 71779), (482, 71782), (488, 71794), (493, 71806), (502, 71833), (505, 71842), (508, 71845), (512, 71863), (531, 71917), (545, 71962), (560, 71998), (578, 72046), (608, 72124), (623, 72160), (628, 72175), (630, 72178), (663, 72250), (676, 72292), (693, 72337), (698, 72358), (701, 72370), (704, 72382), (719, 72436), (744, 72496), (755, 72523), (774, 72568), (807, 72646),

Gene: Dialga_86 Start: 54247, Stop: 55461, Start Num: 161

Candidate Starts for Dialga_86:

(Start: 161 @54247 has 143 MA's), (164, 54253), (Start: 192 @54307 has 23 MA's), (193, 54310), (196, 54322), (218, 54370), (221, 54373), (252, 54415), (279, 54457), (288, 54484), (291, 54490), (306, 54529), (341, 54607), (342, 54610), (371, 54670), (421, 54772), (431, 54802), (448, 54853), (452, 54862), (470, 54892), (474, 54901), (486, 54925), (487, 54928), (489, 54934), (492, 54940), (500, 54967), (504, 54976), (510, 54994), (513, 55003), (514, 55006), (517, 55015), (532, 55060), (538, 55084), (547, 55108), (576, 55138), (604, 55153), (684, 55207), (690, 55213), (695, 55225), (725, 55333), (749, 55384), (759, 55411), (773, 55444),

Gene: Dina_47 Start: 36338, Stop: 37714, Start Num: 186

Candidate Starts for Dina_47:

(Start: 186 @36338 has 151 MA's), (221, 36407), (231, 36425), (283, 36518), (303, 36578), (306, 36584), (307, 36587), (376, 36707), (387, 36725), (439, 36842), (498, 36980), (514, 37019), (525, 37052), (527, 37058), (532, 37073), (545, 37112), (578, 37172), (586, 37196), (605, 37232), (643, 37301), (645, 37307), (677, 37388), (708, 37484), (711, 37496), (715, 37508), (730, 37565), (734, 37571), (741, 37583), (754, 37613), (778, 37664),

Gene: Dinallo_67 Start: 48764, Stop: 49996, Start Num: 159

Candidate Starts for Dinallo_67:

(155, 48758), (Start: 159 @48764 has 48 MA's), (164, 48773), (174, 48803), (Start: 180 @48812 has 9 MA's), (218, 48890), (244, 48938), (Start: 255 @48956 has 1 MA's), (308, 49070), (341, 49142), (371, 49205), (385, 49235), (419, 49304), (452, 49397), (454, 49403), (476, 49439), (514, 49541), (691, 49748), (707, 49799), (711, 49814), (720, 49844), (721, 49847), (749, 49916), (756, 49934),

Gene: Ditters_52 Start: 37846, Stop: 39018, Start Num: 162

Candidate Starts for Ditters_52:

(Start: 162 @37846 has 15 MA's), (174, 37879), (Start: 180 @37888 has 9 MA's), (207, 37945), (286, 38038), (291, 38050), (342, 38167), (385, 38257), (412, 38314), (419, 38326), (449, 38413), (452, 38419), (464, 38440), (477, 38464), (492, 38497), (509, 38542), (514, 38563), (525, 38596), (528, 38605), (538, 38641), (684, 38755), (691, 38764), (742, 38914), (750, 38935), (754, 38947), (756, 38950),

Gene: DizzyRudy_65 Start: 43023, Stop: 44264, Start Num: 161

Candidate Starts for DizzyRudy_65:

(Start: 161 @43023 has 143 MA's), (Start: 180 @43068 has 9 MA's), (218, 43146), (226, 43158), (244, 43191), (252, 43203), (258, 43212), (303, 43305), (306, 43311), (355, 43422), (385, 43482), (395, 43497), (398, 43503), (452, 43644), (477, 43689), (486, 43707), (491, 43719), (492, 43722), (518, 43800), (525, 43821), (529, 43833), (530, 43836), (538, 43866), (742, 44145), (760, 44193),

Gene: Djungelskog_73 Start: 46147, Stop: 47385, Start Num: 161

Candidate Starts for Djungelskog_73:

(Start: 161 @46147 has 143 MA's), (244, 46318), (308, 46450), (371, 46585), (385, 46615), (412, 46672), (452, 46777), (454, 46783), (474, 46816), (514, 46921), (678, 47110), (756, 47323), (775, 47368),

Gene: DoctorPepper_73 Start: 45849, Stop: 47078, Start Num: 161

Candidate Starts for DoctorPepper_73:

(Start: 161 @45849 has 143 MA's), (244, 46020), (308, 46152), (371, 46287), (385, 46317), (412, 46374), (452, 46479), (454, 46485), (474, 46518), (514, 46623), (677, 46803), (756, 47016), (775, 47061),

Gene: Dothraki_41 Start: 31114, Stop: 29726, Start Num: 186

Candidate Starts for Dothraki_41:

(4, 31765), (50, 31411), (74, 31336), (Start: 186 @31114 has 151 MA's), (270, 30970), (Start: 274 @30964 has 1 MA's), (276, 30961), (319, 30847), (335, 30820), (360, 30760), (376, 30733), (378, 30730), (427, 30634), (439, 30592), (492, 30481), (514, 30421), (530, 30385), (534, 30373), (545, 30340), (549, 30325), (583, 30265), (619, 30169), (648, 30106), (669, 30052), (698, 29968), (699, 29962), (704, 29950), (734, 29854), (759, 29800), (760, 29797), (771, 29773),

Gene: Doxi13_55 Start: 37508, Stop: 38686, Start Num: 162

Candidate Starts for Doxi13_55:

(Start: 162 @37508 has 15 MA's), (174, 37541), (Start: 180 @37550 has 9 MA's), (207, 37607), (259, 37649), (286, 37700), (342, 37829), (385, 37919), (390, 37928), (412, 37976), (419, 37988), (452, 38081), (464, 38102), (477, 38126), (485, 38141), (504, 38195), (509, 38204), (514, 38225), (515, 38228), (517, 38234), (665, 38369), (691, 38432), (695, 38441), (711, 38498), (717, 38516), (742, 38582), (750, 38603), (776, 38663),

Gene: DrGrey_77 Start: 49757, Stop: 50941, Start Num: 161

Candidate Starts for DrGrey_77:

(Start: 161 @49757 has 143 MA's), (Start: 180 @49802 has 9 MA's), (193, 49820), (196, 49832), (308, 50003), (385, 50177), (449, 50333), (452, 50339), (474, 50378), (477, 50384), (489, 50411), (514, 50483), (532, 50537), (538, 50561), (547, 50585), (549, 50591), (603, 50615), (665, 50621), (707, 50735), (742, 50834), (744, 50840), (756, 50870), (759, 50879), (783, 50924),

Gene: DrRobert_25 Start: 20576, Stop: 21970, Start Num: 123

Candidate Starts for DrRobert_25:

(Start: 123 @20576 has 76 MA's), (158, 20633), (215, 20738), (217, 20741), (268, 20825), (289, 20858), (313, 20909), (317, 20915), (375, 20996), (376, 20999), (379, 21005), (405, 21041), (414, 21059), (416, 21062), (433, 21095), (441, 21116), (503, 21248), (512, 21275), (526, 21314), (533, 21335), (534, 21341), (545, 21374), (549, 21389), (554, 21398), (576, 21443), (593, 21479), (609, 21521), (641, 21584), (649, 21602), (686, 21704), (689, 21707), (696, 21725), (697, 21728), (705, 21752), (706, 21761), (734, 21848), (790, 21938), (800, 21962),

Gene: Dre3_48 Start: 37401, Stop: 35911, Start Num: 144

Candidate Starts for Dre3_48:

(Start: 144 @37401 has 3 MA's), (168, 37359), (193, 37317), (195, 37311), (Start: 204 @37284 has 1 MA's), (234, 37230), (238, 37224), (257, 37194), (Start: 274 @37167 has 1 MA's), (307, 37086), (308, 37083), (310, 37077), (316, 37056), (348, 36990), (378, 36954), (394, 36930), (403, 36900), (406, 36894), (409, 36888), (436, 36825), (441, 36810), (447, 36795), (508, 36669), (532, 36591), (545, 36552), (548, 36540), (549, 36537), (572, 36501), (577, 36483), (578, 36480), (579, 36477), (584, 36462), (591, 36435), (595, 36423), (633, 36321), (652, 36276), (653, 36273), (668, 36231), (673, 36216), (689, 36168), (691, 36162), (707, 36111), (741, 36015), (752, 35991), (765, 35958), (785, 35925), (788, 35922),

Gene: DreamTeam_25 Start: 20615, Stop: 22009, Start Num: 123

Candidate Starts for DreamTeam_25:

(Start: 123 @20615 has 76 MA's), (158, 20672), (215, 20777), (217, 20780), (268, 20864), (289, 20897), (316, 20951), (317, 20954), (379, 21044), (405, 21080), (416, 21101), (433, 21134), (441, 21155), (503, 21287), (512, 21314), (526, 21353), (534, 21380), (545, 21413), (549, 21428), (554, 21437), (576, 21482), (593, 21518), (628, 21599), (641, 21623), (649, 21641), (655, 21653), (676, 21713), (682, 21737), (686, 21743), (689, 21746), (696, 21764), (697, 21767), (705, 21791), (706, 21800), (734, 21887), (765, 21938), (790, 21977),

Gene: Dryad_74 Start: 51068, Stop: 49182, Start Num: 23

Candidate Starts for Dryad_74:

(13, 51137), (14, 51128), (15, 51125), (Start: 23 @51068 has 8 MA's), (35, 50990), (38, 50981), (53, 50921), (58, 50900), (68, 50876), (93, 50813), (135, 50738), (Start: 143 @50714 has 53 MA's), (249, 50516), (254, 50507), (303, 50399), (382, 50243), (431, 50138), (448, 50087), (475, 50027), (510, 49940), (511, 49937), (529, 49883), (545, 49832), (547, 49823), (553, 49811), (568, 49778), (588, 49712), (600, 49685), (601, 49682), (649, 49583), (657, 49556), (691, 49466), (707, 49406), (710, 49397), (714, 49382), (733, 49322), (745, 49307), (761, 49268),

Gene: Duffington_87 Start: 55182, Stop: 56396, Start Num: 161

Candidate Starts for Duffington_87:

(Start: 161 @55182 has 143 MA's), (164, 55188), (Start: 192 @55242 has 23 MA's), (193, 55245), (196, 55257), (207, 55284), (209, 55287), (221, 55308), (252, 55350), (279, 55392), (291, 55425), (306, 55464), (341, 55542), (342, 55545), (371, 55605), (421, 55707), (431, 55737), (448, 55788), (452, 55797), (474, 55836), (476, 55839), (487, 55863), (489, 55869), (492, 55875), (504, 55911), (510, 55929), (513, 55938), (514, 55941), (517, 55950), (531, 55992), (538, 56019), (547, 56043), (576, 56073), (695, 56160), (749, 56319), (759, 56346),

Gene: Duocatuli_40 Start: 30803, Stop: 29415, Start Num: 186

Candidate Starts for Duocatuli_40:

(50, 31100), (74, 31025), (Start: 186 @30803 has 151 MA's), (270, 30659), (Start: 274 @30653 has 1 MA's), (276, 30650), (319, 30536), (335, 30509), (360, 30449), (376, 30422), (378, 30419), (427, 30323), (439, 30281), (514, 30110), (523, 30089), (530, 30074), (549, 30014), (583, 29954), (619, 29858), (648, 29795), (669, 29741), (698, 29657), (699, 29651), (704, 29639), (724, 29564), (734, 29543), (759, 29489), (760, 29486), (771, 29462),

Gene: DustyDino_88 Start: 50790, Stop: 49270, Start Num: 129

Candidate Starts for DustyDino_88:

(111, 50823), (Start: 129 @50790 has 41 MA's), (153, 50739), (207, 50631), (245, 50565), (283, 50499), (329, 50376), (336, 50361), (364, 50304), (386, 50271), (387, 50268), (420, 50205), (437, 50154), (440, 50145), (444, 50136), (466, 50082), (486, 50043), (492, 50028), (516, 49959), (526, 49929), (546, 49866), (574, 49794), (651, 49608), (697, 49500), (705, 49470), (717, 49425), (734, 49374), (771, 49311),

Gene: Dynamite_80 Start: 46764, Stop: 48074, Start Num: 161

Candidate Starts for Dynamite_80:

(Start: 161 @46764 has 143 MA's), (207, 46866), (371, 47202), (385, 47232), (419, 47301), (434, 47346), (448, 47385), (452, 47394), (470, 47424), (491, 47469), (492, 47472), (510, 47526), (512, 47532), (513, 47535), (514, 47538), (529, 47583), (535, 47610), (547, 47640), (684, 47736), (744, 47901), (773, 47973), (797, 48009),

Gene: Eddiemania_87 Start: 55301, Stop: 56515, Start Num: 161

Candidate Starts for Eddiemania_87:

(Start: 161 @55301 has 143 MA's), (164, 55307), (Start: 192 @55361 has 23 MA's), (193, 55364), (196, 55376), (221, 55427), (252, 55469), (279, 55511), (288, 55538), (291, 55544), (306, 55583), (341, 55661), (342, 55664), (371, 55724), (421, 55826), (431, 55856), (448, 55907), (452, 55916), (470, 55946), (474, 55955), (476, 55958), (486, 55979), (487, 55982), (489, 55988), (492, 55994), (500, 56021), (504, 56030), (510, 56048), (513, 56057), (514, 56060), (517, 56069), (531, 56111), (532, 56114), (538, 56138), (547, 56162), (576, 56192), (604, 56207), (690, 56267), (695, 56279), (747, 56432), (749, 56438), (759, 56465), (773, 56498),

Gene: Eevee_75 Start: 49395, Stop: 50672, Start Num: 161

Candidate Starts for Eevee_75:

(Start: 161 @49395 has 143 MA's), (196, 49470), (223, 49524), (308, 49698), (319, 49734), (342, 49773), (371, 49833), (385, 49863), (452, 50025), (510, 50157), (517, 50178), (529, 50214), (532,

50223), (549, 50277), (604, 50313), (691, 50376), (707, 50427), (711, 50442), (725, 50493), (742, 50526),

Gene: Egad_74 Start: 46123, Stop: 47352, Start Num: 161

Candidate Starts for Egad_74:

(Start: 161 @46123 has 143 MA's), (244, 46294), (308, 46426), (371, 46561), (385, 46591), (412, 46648), (452, 46753), (454, 46759), (474, 46792), (514, 46897), (677, 47077), (756, 47290), (775, 47335),

Gene: EhyElimayoE_125 Start: 82183, Stop: 80540, Start Num: 79

Candidate Starts for EhyElimayoE_125:

(Start: 79 @82183 has 9 MA's), (88, 82159), (145, 82051), (199, 81946), (220, 81907), (248, 81856), (293, 81763), (314, 81703), (326, 81679), (328, 81676), (342, 81649), (395, 81556), (459, 81403), (470, 81379), (472, 81376), (487, 81343), (492, 81331), (516, 81259), (541, 81181), (560, 81136), (613, 80989), (634, 80950), (637, 80944), (651, 80914), (662, 80884), (667, 80872), (689, 80806), (716, 80716), (717, 80713), (762, 80617), (765, 80611), (769, 80602), (779, 80584),

Gene: ElJefes_58 Start: 40827, Stop: 39349, Start Num: 143

Candidate Starts for ElJefes_58:

(87, 40908), (122, 40854), (Start: 143 @40827 has 53 MA's), (179, 40764), (193, 40743), (195, 40737), (Start: 204 @40710 has 1 MA's), (234, 40656), (244, 40635), (257, 40620), (267, 40605), (301, 40524), (310, 40500), (348, 40413), (378, 40377), (403, 40323), (406, 40317), (409, 40311), (441, 40233), (447, 40218), (492, 40128), (495, 40119), (508, 40092), (527, 40029), (530, 40020), (534, 40008), (540, 39987), (546, 39972), (548, 39963), (559, 39942), (578, 39903), (581, 39894), (586, 39879), (600, 39837), (613, 39807), (633, 39759), (635, 39756), (652, 39714), (657, 39696), (691, 39600), (707, 39549), (716, 39519), (724, 39486), (752, 39429), (758, 39414),

Gene: ElephantMan_72 Start: 48385, Stop: 49617, Start Num: 159

Candidate Starts for ElephantMan_72:

(155, 48379), (Start: 159 @48385 has 48 MA's), (164, 48394), (174, 48424), (Start: 180 @48433 has 9 MA's), (218, 48511), (244, 48559), (308, 48691), (341, 48763), (371, 48826), (385, 48856), (419, 48925), (452, 49018), (454, 49024), (476, 49060), (514, 49162), (691, 49369), (707, 49420), (711, 49435), (717, 49453), (720, 49465), (721, 49468), (749, 49537), (756, 49555),

Gene: Eleri_40 Start: 30943, Stop: 29531, Start Num: 192

Candidate Starts for Eleri_40:

(Start: 192 @30943 has 23 MA's), (201, 30913), (Start: 204 @30907 has 1 MA's), (224, 30874), (319, 30682), (335, 30655), (360, 30595), (376, 30568), (378, 30565), (399, 30523), (427, 30469), (439, 30427), (514, 30256), (523, 30235), (530, 30220), (534, 30208), (535, 30196), (537, 30193), (545, 30175), (572, 30094), (583, 30058), (600, 30004), (617, 29962), (633, 29932), (644, 29908), (647, 29902), (666, 29860), (687, 29791), (697, 29767), (698, 29761), (699, 29755), (704, 29743), (734, 29647), (739, 29638), (749, 29620), (753, 29608), (772, 29563),

Gene: Elinal_60 Start: 40792, Stop: 39314, Start Num: 143

Candidate Starts for Elinal_60:

(Start: 143 @40792 has 53 MA's), (179, 40729), (193, 40708), (195, 40702), (Start: 204 @40675 has 1 MA's), (234, 40621), (257, 40585), (267, 40570), (307, 40474), (310, 40465), (316, 40444), (348, 40378), (378, 40342), (403, 40288), (406, 40282), (409, 40276), (441, 40198), (447, 40183), (495, 40084), (522, 40009), (530, 39985), (534, 39973), (540, 39952), (546, 39937), (548, 39928), (559, 39907), (578, 39868), (581, 39859), (586, 39844), (604, 39793), (635, 39721), (652, 39679), (653, 39676), (657, 39661), (691, 39565), (707, 39514), (716, 39484), (724, 39451), (752, 39394), (758, 39379),

Gene: Elliott_53 Start: 38726, Stop: 37248, Start Num: 143

Candidate Starts for Elliott_53:

(Start: 143 @38726 has 53 MA's), (193, 38639), (195, 38633), (234, 38552), (244, 38531), (307, 38408), (308, 38405), (403, 38222), (406, 38216), (409, 38210), (441, 38132), (495, 38018), (508, 37991), (514, 37967), (534, 37907), (548, 37862), (559, 37841), (578, 37802), (584, 37784), (631, 37667), (652, 37619), (653, 37616), (657, 37601), (691, 37505), (698, 37484), (707, 37454),

Gene: Elsa_79 Start: 46777, Stop: 48087, Start Num: 161

Candidate Starts for Elsa_79:

(Start: 161 @46777 has 143 MA's), (371, 47215), (385, 47245), (419, 47314), (434, 47359), (448, 47398), (452, 47407), (470, 47437), (491, 47482), (492, 47485), (504, 47521), (510, 47539), (512, 47545), (513, 47548), (514, 47551), (518, 47563), (535, 47623), (547, 47653), (735, 47896), (744, 47914), (773, 47986), (797, 48022),

Gene: Elver_140 Start: 72768, Stop: 74012, Start Num: 159

Candidate Starts for Elver_140:

(Start: 159 @72768 has 48 MA's), (174, 72807), (Start: 180 @72816 has 9 MA's), (244, 72942), (279, 72996), (371, 73209), (385, 73239), (419, 73308), (452, 73401), (509, 73524), (514, 73545), (535, 73617), (555, 73665), (578, 73683), (690, 73749), (711, 73818), (725, 73869), (749, 73920), (756, 73938),

Gene: Emalyn_52 Start: 37827, Stop: 36349, Start Num: 143

Candidate Starts for Emalyn_52:

(Start: 143 @37827 has 53 MA's), (193, 37740), (195, 37734), (244, 37632), (Start: 274 @37590 has 1 MA's), (297, 37533), (305, 37515), (307, 37509), (378, 37377), (403, 37323), (406, 37317), (409, 37311), (441, 37233), (495, 37119), (508, 37092), (514, 37068), (527, 37029), (540, 36987), (548, 36963), (559, 36942), (578, 36903), (584, 36885), (586, 36879), (613, 36813), (631, 36768), (652, 36720), (653, 36717), (657, 36702), (691, 36606), (698, 36585), (707, 36555), (716, 36525), (772, 36387),

Gene: EndAve_88 Start: 55092, Stop: 56306, Start Num: 161

Candidate Starts for EndAve_88:

(Start: 161 @55092 has 143 MA's), (164, 55098), (Start: 192 @55152 has 23 MA's), (196, 55167), (207, 55194), (209, 55197), (221, 55218), (252, 55260), (279, 55302), (288, 55329), (291, 55335), (306, 55374), (341, 55452), (342, 55455), (371, 55515), (421, 55617), (431, 55647), (439, 55674), (449, 55701), (452, 55707), (474, 55746), (476, 55749), (487, 55773), (489, 55779), (492, 55785), (500, 55812), (504, 55821), (510, 55839), (513, 55848), (514, 55851), (517, 55860), (528, 55893), (532, 55905), (538, 55929), (547, 55953), (576, 55983), (604, 55998), (725, 56178), (749, 56229), (759, 56256), (773, 56289),

Gene: Endor_41 Start: 31504, Stop: 30116, Start Num: 186

Candidate Starts for Endor_41:

(Start: 123 @31618 has 76 MA's), (136, 31597), (Start: 186 @31504 has 151 MA's), (270, 31360), (Start: 274 @31354 has 1 MA's), (276, 31351), (319, 31237), (335, 31210), (360, 31150), (376, 31123), (378, 31120), (427, 31024), (439, 30982), (514, 30811), (523, 30790), (549, 30715), (583, 30655), (619, 30559), (669, 30442), (675, 30424), (698, 30358), (699, 30352), (704, 30340), (734, 30244), (759, 30190), (760, 30187), (771, 30163), (793, 30133),

Gene: Erenyeager_84 Start: 49578, Stop: 48058, Start Num: 129

Candidate Starts for Erenyeager_84:

(111, 49611), (Start: 129 @49578 has 41 MA's), (153, 49527), (202, 49428), (207, 49419), (245, 49353), (283, 49287), (329, 49164), (336, 49149), (364, 49092), (386, 49059), (387, 49056), (420, 48993), (437, 48942), (440, 48933), (444, 48924), (457, 48894), (466, 48870), (486, 48831), (492,

48816), (510, 48765), (516, 48747), (526, 48717), (546, 48654), (574, 48582), (697, 48288), (705, 48258), (707, 48246), (717, 48213), (771, 48099),

Gene: Erla_40 Start: 30799, Stop: 29411, Start Num: 186

Candidate Starts for Erla_40:

(74, 31021), (Start: 186 @30799 has 151 MA's), (270, 30655), (Start: 274 @30649 has 1 MA's), (276, 30646), (319, 30532), (335, 30505), (360, 30445), (376, 30418), (378, 30415), (427, 30319), (439, 30277), (514, 30106), (523, 30085), (530, 30070), (534, 30058), (549, 30010), (583, 29950), (619, 29854), (648, 29791), (669, 29737), (698, 29653), (699, 29647), (704, 29635), (724, 29560), (734, 29539), (759, 29485), (760, 29482), (771, 29458),

Gene: Erudite_39 Start: 25497, Stop: 27404, Start Num: 27

Candidate Starts for Erudite_39:

(5, 25323), (Start: 27 @25497 has 36 MA's), (35, 25560), (41, 25581), (54, 25635), (112, 25770), (127, 25797), (135, 25812), (156, 25857), (249, 26031), (254, 26040), (297, 26130), (311, 26172), (317, 26187), (410, 26373), (469, 26508), (475, 26520), (490, 26553), (534, 26682), (568, 26769), (576, 26799), (676, 27072), (691, 27111), (707, 27171), (737, 27261), (753, 27291), (771, 27333), (799, 27384),

Gene: Esketit_77 Start: 48345, Stop: 49529, Start Num: 161

Candidate Starts for Esketit_77:

(Start: 161 @48345 has 143 MA's), (Start: 180 @48390 has 9 MA's), (196, 48420), (308, 48591), (341, 48663), (356, 48702), (385, 48765), (452, 48927), (474, 48966), (477, 48972), (489, 48999), (514, 49071), (532, 49125), (538, 49149), (547, 49173), (549, 49179), (603, 49203), (665, 49209), (707, 49323), (742, 49422), (744, 49428), (756, 49458), (759, 49467), (791, 49521),

Gene: Espinosa_40 Start: 30814, Stop: 29426, Start Num: 186

Candidate Starts for Espinosa_40:

(74, 31036), (Start: 186 @30814 has 151 MA's), (270, 30670), (Start: 274 @30664 has 1 MA's), (276, 30661), (319, 30547), (335, 30520), (360, 30460), (376, 30433), (378, 30430), (427, 30334), (439, 30292), (514, 30121), (523, 30100), (530, 30085), (549, 30025), (583, 29965), (619, 29869), (648, 29806), (669, 29752), (698, 29668), (699, 29662), (704, 29650), (734, 29554), (759, 29500), (760, 29497), (771, 29473),

Gene: Espio_79 Start: 50128, Stop: 51312, Start Num: 161

Candidate Starts for Espio_79:

(Start: 161 @50128 has 143 MA's), (Start: 180 @50173 has 9 MA's), (196, 50203), (308, 50374), (385, 50548), (449, 50704), (452, 50710), (474, 50749), (477, 50755), (489, 50782), (514, 50854), (532, 50908), (538, 50932), (547, 50956), (549, 50962), (603, 50986), (665, 50992), (707, 51106), (742, 51205), (744, 51211), (756, 51241), (759, 51250), (783, 51295),

Gene: EstebanJulior_26 Start: 21743, Stop: 23140, Start Num: 123

Candidate Starts for EstebanJulior_26:

(Start: 123 @21743 has 76 MA's), (158, 21803), (215, 21908), (217, 21911), (268, 21995), (289, 22028), (313, 22079), (317, 22085), (375, 22166), (379, 22175), (405, 22211), (414, 22229), (416, 22232), (433, 22265), (441, 22286), (503, 22418), (523, 22475), (526, 22484), (533, 22505), (534, 22511), (545, 22544), (549, 22559), (578, 22619), (593, 22649), (628, 22730), (649, 22772), (665, 22805), (682, 22868), (689, 22877), (694, 22889), (696, 22895), (699, 22910), (705, 22922), (706, 22931), (734, 23018), (768, 23075), (790, 23108),

Gene: Etna_40 Start: 31284, Stop: 29893, Start Num: 186

Candidate Starts for Etna_40:

(Start: 123 @31398 has 76 MA's), (169, 31314), (Start: 186 @31284 has 151 MA's), (270, 31137), (Start: 274 @31131 has 1 MA's), (276, 31128), (319, 31014), (335, 30987), (360, 30927), (376, 30900), (378, 30897), (427, 30801), (439, 30759), (514, 30588), (523, 30567), (583, 30432), (619, 30336), (669, 30219), (675, 30201), (698, 30135), (699, 30129), (704, 30117), (734, 30021), (759, 29967), (760, 29964), (771, 29940), (793, 29910),

Gene: Etta_40 Start: 30803, Stop: 29415, Start Num: 186

Candidate Starts for Etta_40:

(74, 31025), (Start: 186 @30803 has 151 MA's), (270, 30659), (Start: 274 @30653 has 1 MA's), (276, 30650), (319, 30536), (335, 30509), (360, 30449), (376, 30422), (378, 30419), (427, 30323), (439, 30281), (514, 30110), (523, 30089), (530, 30074), (534, 30062), (549, 30014), (583, 29954), (619, 29858), (648, 29795), (669, 29741), (698, 29657), (699, 29651), (704, 29639), (724, 29564), (734, 29543), (759, 29489), (760, 29486), (771, 29462),

Gene: Eunoia_26 Start: 21745, Stop: 23139, Start Num: 123

Candidate Starts for Eunoia_26:

(Start: 123 @21745 has 76 MA's), (158, 21802), (Start: 204 @21889 has 1 MA's), (215, 21907), (217, 21910), (268, 21994), (289, 22027), (313, 22078), (317, 22084), (360, 22144), (379, 22174), (405, 22210), (414, 22228), (441, 22285), (448, 22303), (451, 22309), (464, 22336), (503, 22417), (512, 22444), (521, 22468), (526, 22483), (534, 22510), (545, 22543), (549, 22558), (609, 22690), (625, 22726), (641, 22753), (646, 22765), (655, 22783), (686, 22873), (690, 22879), (696, 22894), (697, 22897), (706, 22930), (723, 22990), (734, 23017), (768, 23074), (790, 23107), (800, 23131),

Gene: Exploradora_40 Start: 30803, Stop: 29415, Start Num: 186

Candidate Starts for Exploradora_40:

(74, 31025), (Start: 186 @30803 has 151 MA's), (270, 30659), (Start: 274 @30653 has 1 MA's), (276, 30650), (319, 30536), (335, 30509), (360, 30449), (376, 30422), (378, 30419), (427, 30323), (439, 30281), (514, 30110), (523, 30089), (530, 30074), (549, 30014), (583, 29954), (619, 29858), (648, 29795), (669, 29741), (698, 29657), (699, 29651), (704, 29639), (734, 29543), (759, 29489), (760, 29486), (771, 29462),

Gene: FF47_48 Start: 38882, Stop: 37371, Start Num: 123

Candidate Starts for FF47_48:

(Start: 123 @38882 has 76 MA's), (145, 38846), (194, 38756), (195, 38753), (214, 38705), (257, 38636), (309, 38522), (380, 38393), (403, 38342), (406, 38336), (409, 38330), (425, 38306), (441, 38252), (508, 38111), (509, 38108), (526, 38051), (548, 37979), (549, 37976), (633, 37781), (652, 37736), (687, 37631), (707, 37571), (772, 37403), (788, 37382),

Gene: Fabyndrax_38 Start: 31687, Stop: 30275, Start Num: 192

Candidate Starts for Fabyndrax_38:

(169, 31717), (Start: 186 @31690 has 151 MA's), (Start: 192 @31687 has 23 MA's), (199, 31663), (Start: 204 @31651 has 1 MA's), (224, 31618), (276, 31540), (319, 31426), (335, 31399), (360, 31339), (376, 31312), (378, 31309), (399, 31267), (427, 31213), (493, 31057), (512, 31006), (514, 31000), (523, 30979), (527, 30973), (530, 30964), (535, 30940), (562, 30877), (565, 30862), (583, 30802), (585, 30796), (600, 30748), (617, 30706), (648, 30643), (654, 30631), (687, 30535), (691, 30526), (697, 30511), (698, 30505), (739, 30382), (753, 30352), (771, 30310), (789, 30283),

Gene: FarmerDoug_40 Start: 31139, Stop: 29748, Start Num: 186

Candidate Starts for FarmerDoug_40:

(48, 31427), (52, 31406), (Start: 186 @31139 has 151 MA's), (270, 30992), (Start: 274 @30986 has 1 MA's), (276, 30983), (297, 30923), (319, 30869), (335, 30842), (360, 30782), (376, 30755), (378, 30752), (427, 30656), (439, 30614), (514, 30443), (523, 30422), (534, 30395), (549, 30347), (577, 30305), (583, 30287), (619, 30191), (669, 30074), (675, 30056), (690, 30014), (698, 29990), (699,

29984), (704, 29972), (734, 29876), (759, 29822), (760, 29819), (771, 29795), (793, 29765),

Gene: Fazel_87 Start: 53972, Stop: 55189, Start Num: 161

Candidate Starts for Fazel_87:

(Start: 161 @53972 has 143 MA's), (Start: 192 @54032 has 23 MA's), (193, 54035), (196, 54047), (209, 54077), (221, 54098), (252, 54140), (279, 54182), (308, 54260), (333, 54317), (341, 54332), (342, 54335), (371, 54395), (402, 54461), (448, 54578), (449, 54581), (452, 54587), (482, 54644), (486, 54650), (487, 54653), (489, 54659), (492, 54665), (498, 54686), (504, 54701), (509, 54710), (510, 54719), (514, 54731), (532, 54785), (551, 54842), (690, 54938), (695, 54950), (707, 54992), (725, 55058), (735, 55079), (742, 55091), (759, 55136), (777, 55175),

Gene: Feastonyeet_56 Start: 40283, Stop: 38805, Start Num: 143

Candidate Starts for Feastonyeet_56:

(87, 40361), (120, 40310), (122, 40307), (Start: 143 @40283 has 53 MA's), (179, 40220), (193, 40199), (195, 40193), (Start: 204 @40166 has 1 MA's), (234, 40112), (257, 40076), (267, 40061), (307, 39965), (310, 39956), (316, 39935), (348, 39869), (378, 39833), (403, 39779), (406, 39773), (409, 39767), (441, 39689), (447, 39674), (495, 39575), (522, 39500), (530, 39476), (534, 39464), (540, 39443), (546, 39428), (548, 39419), (559, 39398), (578, 39359), (581, 39350), (586, 39335), (604, 39284), (635, 39212), (652, 39170), (657, 39152), (691, 39056), (707, 39005), (716, 38975), (724, 38942), (752, 38885), (758, 38870),

Gene: FidgetOrca_83 Start: 49795, Stop: 50979, Start Num: 161

Candidate Starts for FidgetOrca_83:

(Start: 161 @49795 has 143 MA's), (Start: 180 @49840 has 9 MA's), (196, 49870), (308, 50041), (341, 50113), (356, 50152), (385, 50215), (452, 50377), (474, 50416), (477, 50422), (489, 50449), (514, 50521), (532, 50575), (538, 50599), (547, 50623), (549, 50629), (603, 50653), (665, 50659), (707, 50773), (742, 50872), (744, 50878), (756, 50908), (759, 50917), (791, 50971),

Gene: Figliar_85 Start: 54986, Stop: 56200, Start Num: 161

Candidate Starts for Figliar_85:

(Start: 161 @54986 has 143 MA's), (164, 54992), (Start: 192 @55046 has 23 MA's), (193, 55049), (196, 55061), (207, 55088), (209, 55091), (221, 55112), (252, 55154), (279, 55196), (291, 55229), (306, 55268), (341, 55346), (342, 55349), (371, 55409), (421, 55511), (431, 55541), (448, 55592), (452, 55601), (474, 55640), (476, 55643), (487, 55667), (489, 55673), (492, 55679), (504, 55715), (510, 55733), (513, 55742), (514, 55745), (517, 55754), (531, 55796), (535, 55817), (538, 55823), (547, 55847), (576, 55877), (695, 55964), (725, 56072), (743, 56108), (749, 56123), (759, 56150), (773, 56183),

Gene: Figueroism_41 Start: 31108, Stop: 29720, Start Num: 186

Candidate Starts for Figueroism_41:

(74, 31330), (Start: 186 @31108 has 151 MA's), (270, 30964), (Start: 274 @30958 has 1 MA's), (276, 30955), (319, 30841), (335, 30814), (360, 30754), (376, 30727), (378, 30724), (427, 30628), (439, 30586), (514, 30415), (523, 30394), (530, 30379), (534, 30367), (549, 30319), (583, 30259), (619, 30163), (648, 30100), (669, 30046), (698, 29962), (699, 29956), (704, 29944), (734, 29848), (759, 29794), (760, 29791), (771, 29767),

Gene: Finny_41 Start: 30901, Stop: 29525, Start Num: 204

Candidate Starts for Finny_41:

(Start: 186 @30940 has 151 MA's), (Start: 192 @30937 has 23 MA's), (201, 30907), (Start: 204 @30901 has 1 MA's), (224, 30868), (319, 30676), (335, 30649), (360, 30589), (376, 30562), (378, 30559), (399, 30517), (427, 30463), (439, 30421), (493, 30307), (514, 30250), (523, 30229), (534, 30202), (535, 30190), (537, 30187), (545, 30169), (572, 30088), (583, 30052), (600, 29998), (617, 29956), (633, 29926), (644, 29902), (647, 29896), (666, 29854), (687, 29785), (697, 29761), (698,

29755), (699, 29749), (704, 29737), (749, 29614), (753, 29602), (772, 29557),

Gene: FireCastle_33 Start: 23203, Stop: 24633, Start Num: 121

Candidate Starts for FireCastle_33:

(82, 23134), (Start: 121 @23203 has 1 MA's), (Start: 123 @23206 has 76 MA's), (300, 23524), (316, 23563), (335, 23584), (389, 23671), (405, 23692), (534, 24007), (539, 24028), (549, 24055), (568, 24082), (569, 24085), (576, 24112), (578, 24118), (595, 24154), (614, 24202), (630, 24232), (668, 24316), (676, 24337), (697, 24391), (703, 24409), (706, 24424), (710, 24436), (721, 24475), (734, 24511), (738, 24517), (745, 24529), (782, 24592), (802, 24628),

Gene: Fluke_29 Start: 22148, Stop: 23548, Start Num: 123

Candidate Starts for Fluke_29:

(Start: 123 @22148 has 76 MA's), (158, 22211), (215, 22316), (217, 22319), (268, 22403), (289, 22436), (313, 22487), (317, 22493), (375, 22574), (376, 22577), (379, 22583), (405, 22619), (414, 22637), (416, 22640), (433, 22673), (441, 22694), (448, 22712), (464, 22745), (503, 22826), (512, 22853), (523, 22883), (526, 22892), (534, 22919), (545, 22952), (549, 22967), (576, 23021), (586, 23042), (592, 23054), (596, 23066), (690, 23288), (694, 23297), (696, 23303), (706, 23339), (723, 23399), (734, 23426), (790, 23516),

Gene: Football_91 Start: 53701, Stop: 54921, Start Num: 161

Candidate Starts for Football_91:

(Start: 161 @53701 has 143 MA's), (174, 53737), (Start: 180 @53746 has 9 MA's), (194, 53767), (209, 53806), (221, 53827), (291, 53944), (300, 53968), (306, 53983), (390, 54163), (421, 54226), (431, 54256), (436, 54274), (448, 54307), (452, 54316), (487, 54382), (491, 54391), (492, 54394), (504, 54430), (509, 54439), (510, 54448), (514, 54460), (531, 54511), (532, 54514), (547, 54565), (551, 54574), (676, 54643), (695, 54682), (725, 54790), (742, 54823), (749, 54841), (759, 54868),

Gene: Fork_80 Start: 49528, Stop: 48008, Start Num: 129

Candidate Starts for Fork_80:

(111, 49561), (Start: 129 @49528 has 41 MA's), (153, 49477), (207, 49369), (245, 49303), (283, 49237), (329, 49114), (336, 49099), (364, 49042), (386, 49009), (387, 49006), (420, 48943), (437, 48892), (440, 48883), (444, 48874), (446, 48868), (457, 48844), (466, 48820), (486, 48781), (492, 48766), (510, 48715), (516, 48697), (526, 48667), (558, 48577), (574, 48532), (651, 48346), (697, 48238), (705, 48208), (717, 48163), (734, 48112), (762, 48067), (771, 48049),

Gene: FortCran_87 Start: 53621, Stop: 54841, Start Num: 161

Candidate Starts for FortCran_87:

(Start: 161 @53621 has 143 MA's), (Start: 192 @53681 has 23 MA's), (193, 53684), (207, 53723), (221, 53747), (252, 53789), (279, 53831), (291, 53864), (306, 53903), (308, 53909), (341, 53981), (371, 54044), (421, 54146), (431, 54176), (436, 54194), (448, 54227), (449, 54230), (452, 54236), (482, 54293), (487, 54302), (491, 54311), (492, 54314), (504, 54350), (509, 54359), (510, 54368), (514, 54380), (531, 54431), (532, 54434), (547, 54485), (551, 54494), (695, 54602), (725, 54710), (742, 54743), (749, 54761), (754, 54776),

Gene: FountainFog_39 Start: 25221, Stop: 27128, Start Num: 27

Candidate Starts for FountainFog_39:

(Start: 27 @25221 has 36 MA's), (35, 25284), (41, 25305), (54, 25359), (127, 25521), (135, 25536), (156, 25581), (249, 25755), (254, 25764), (297, 25854), (298, 25857), (311, 25896), (317, 25911), (410, 26097), (457, 26205), (469, 26232), (475, 26244), (534, 26406), (576, 26523), (690, 26832), (691, 26835), (707, 26895), (737, 26985), (753, 27015), (771, 27057), (799, 27108),

Gene: Frankenweenie_134 Start: 87252, Stop: 85606, Start Num: 79

Candidate Starts for Frankenweenie_134:

(40, 87378), (Start: 79 @87252 has 9 MA's), (145, 87120), (248, 86925), (295, 86823), (326, 86748), (328, 86745), (422, 86571), (436, 86529), (459, 86472), (480, 86427), (540, 86253), (548, 86229), (562, 86199), (568, 86187), (572, 86172), (587, 86124), (637, 86010), (651, 85980), (657, 85959), (662, 85950), (667, 85938), (683, 85878), (716, 85782), (717, 85779), (765, 85677), (779, 85650),

Gene: FreddieHg_40 Start: 25185, Stop: 27092, Start Num: 27

Candidate Starts for FreddieHg_40:

(5, 25011), (Start: 27 @25185 has 36 MA's), (35, 25248), (41, 25269), (54, 25323), (112, 25458), (135, 25500), (156, 25545), (249, 25719), (254, 25728), (297, 25818), (311, 25860), (317, 25875), (410, 26061), (469, 26196), (475, 26208), (490, 26241), (534, 26370), (576, 26487), (676, 26760), (691, 26799), (707, 26859), (737, 26949), (753, 26979), (771, 27021), (799, 27072),

Gene: Fribs8_48 Start: 37679, Stop: 36189, Start Num: 144

Candidate Starts for Fribs8_48:

(Start: 144 @37679 has 3 MA's), (193, 37595), (195, 37589), (Start: 204 @37562 has 1 MA's), (234, 37508), (238, 37502), (257, 37472), (Start: 274 @37445 has 1 MA's), (307, 37364), (308, 37361), (310, 37355), (316, 37334), (348, 37268), (378, 37232), (394, 37208), (403, 37178), (405, 37175), (406, 37172), (409, 37166), (436, 37103), (441, 37088), (447, 37073), (508, 36947), (522, 36899), (540, 36842), (545, 36830), (548, 36818), (549, 36815), (572, 36779), (578, 36758), (579, 36755), (584, 36740), (591, 36713), (600, 36677), (604, 36668), (633, 36599), (652, 36554), (668, 36509), (673, 36494), (681, 36464), (691, 36440), (707, 36389), (716, 36359), (741, 36293), (752, 36269), (765, 36236), (788, 36200),

Gene: Frizzle_34 Start: 32091, Stop: 30688, Start Num: 134

Candidate Starts for Frizzle_34:

(37, 32331), (39, 32328), (72, 32217), (Start: 134 @32091 has 3 MA's), (172, 32016), (185, 31992), (187, 31989), (205, 31959), (207, 31956), (275, 31845), (316, 31770), (317, 31767), (335, 31749), (350, 31716), (358, 31713), (375, 31686), (389, 31662), (407, 31635), (465, 31509), (467, 31506), (519, 31383), (520, 31380), (530, 31350), (531, 31347), (567, 31263), (582, 31218), (649, 31071), (663, 31041), (665, 31038), (738, 30819), (758, 30777),

Gene: FrodoSwaggins_79 Start: 50151, Stop: 51335, Start Num: 161

Candidate Starts for FrodoSwaggins_79:

(Start: 161 @50151 has 143 MA's), (Start: 180 @50196 has 9 MA's), (193, 50214), (196, 50226), (308, 50397), (385, 50571), (449, 50727), (452, 50733), (474, 50772), (477, 50778), (489, 50805), (514, 50877), (532, 50931), (538, 50955), (547, 50979), (549, 50985), (603, 51009), (665, 51015), (707, 51129), (742, 51228), (744, 51234), (756, 51264), (759, 51273), (783, 51318),

Gene: FromIndy_87 Start: 50623, Stop: 51813, Start Num: 161

Candidate Starts for FromIndy_87:

(Start: 161 @50623 has 143 MA's), (209, 50728), (279, 50797), (342, 50950), (349, 50968), (395, 51055), (419, 51109), (452, 51202), (468, 51229), (517, 51355), (535, 51418), (547, 51448), (555, 51466), (711, 51613), (733, 51682), (742, 51697), (748, 51712), (754, 51730), (756, 51733), (759, 51742),

Gene: Fulton_40 Start: 29072, Stop: 27645, Start Num: 188

Candidate Starts for Fulton_40:

(Start: 188 @29072 has 25 MA's), (199, 29042), (201, 29036), (Start: 274 @28922 has 1 MA's), (276, 28919), (376, 28682), (378, 28679), (493, 28424), (512, 28373), (514, 28367), (534, 28319), (545, 28286), (549, 28271), (575, 28199), (583, 28172), (586, 28163), (600, 28118), (602, 28112), (615, 28085), (648, 28013), (675, 27941), (687, 27905), (691, 27896), (697, 27881), (698, 27875), (704, 27857), (716, 27815), (739, 27752), (766, 27689), (771, 27680),

Gene: GTE2_44 Start: 38337, Stop: 36952, Start Num: 195

Candidate Starts for GTE2_44:

(Start: 143 @38430 has 53 MA's), (195, 38337), (Start: 204 @38310 has 1 MA's), (244, 38235), (257, 38220), (Start: 274 @38193 has 1 MA's), (307, 38112), (378, 37980), (403, 37926), (406, 37920), (409, 37914), (441, 37836), (495, 37722), (508, 37695), (527, 37632), (548, 37566), (559, 37545), (578, 37506), (584, 37488), (586, 37482), (631, 37371), (652, 37323), (657, 37305), (691, 37209), (698, 37188), (707, 37158),

Gene: GTE5_60 Start: 49067, Stop: 47640, Start Num: 288

Candidate Starts for GTE5_60:

(2, 49982), (7, 49865), (8, 49847), (30, 49697), (84, 49472), (229, 49184), (257, 49130), (280, 49094), (288, 49067), (315, 48989), (319, 48977), (327, 48959), (348, 48914), (351, 48908), (363, 48869), (388, 48815), (404, 48776), (413, 48758), (463, 48611), (479, 48578), (492, 48548), (494, 48542), (503, 48515), (542, 48392), (566, 48323), (571, 48305), (599, 48200), (601, 48191), (610, 48173), (627, 48131), (642, 48092), (654, 48062), (672, 48005), (692, 47945), (700, 47915), (708, 47882), (720, 47840), (792, 47684),

Gene: GaeCeo_42 Start: 31326, Stop: 29935, Start Num: 186

Candidate Starts for GaeCeo_42:

(Start: 186 @31326 has 151 MA's), (270, 31182), (Start: 274 @31176 has 1 MA's), (297, 31113), (335, 31032), (360, 30972), (376, 30945), (378, 30942), (383, 30936), (427, 30846), (439, 30804), (514, 30633), (523, 30612), (530, 30597), (534, 30585), (552, 30534), (583, 30477), (587, 30465), (648, 30315), (654, 30303), (675, 30243), (687, 30207), (690, 30201), (697, 30183), (698, 30177), (699, 30171), (716, 30117), (724, 30084), (734, 30063), (753, 30024),

Gene: Gandionco_136 Start: 71890, Stop: 73134, Start Num: 159

Candidate Starts for Gandionco_136:

(Start: 159 @71890 has 48 MA's), (174, 71929), (Start: 180 @71938 has 9 MA's), (244, 72064), (279, 72118), (371, 72331), (385, 72361), (398, 72382), (419, 72430), (431, 72463), (449, 72517), (452, 72523), (509, 72646), (514, 72667), (517, 72676), (535, 72739), (684, 72865), (690, 72871), (711, 72940), (725, 72991), (749, 73042), (756, 73060),

Gene: GantcherGoblin_74 Start: 45847, Stop: 47094, Start Num: 159

Candidate Starts for GantcherGoblin_74:

(Start: 159 @45847 has 48 MA's), (Start: 239 @46009 has 1 MA's), (244, 46021), (279, 46075), (308, 46153), (342, 46228), (385, 46318), (390, 46327), (431, 46420), (452, 46480), (491, 46555), (514, 46624), (749, 46999), (756, 47017),

Gene: GardenB_40 Start: 31225, Stop: 29840, Start Num: 186

Candidate Starts for GardenB_40:

(169, 31255), (Start: 186 @31225 has 151 MA's), (257, 31102), (270, 31081), (Start: 274 @31075 has 1 MA's), (276, 31072), (319, 30958), (360, 30871), (376, 30844), (378, 30841), (427, 30745), (439, 30703), (514, 30532), (530, 30496), (583, 30376), (590, 30352), (648, 30217), (669, 30163), (690, 30103), (698, 30079), (699, 30073), (704, 30061), (734, 29965), (759, 29911),

Gene: Garey24_41 Start: 30782, Stop: 29394, Start Num: 186

Candidate Starts for Garey24_41:

(74, 31004), (Start: 186 @30782 has 151 MA's), (270, 30638), (Start: 274 @30632 has 1 MA's), (276, 30629), (319, 30515), (335, 30488), (360, 30428), (376, 30401), (378, 30398), (427, 30302), (439, 30260), (514, 30089), (523, 30068), (530, 30053), (534, 30041), (549, 29993), (583, 29933), (648, 29774), (669, 29720), (698, 29636), (699, 29630), (704, 29618), (724, 29543), (734, 29522), (759, 29468), (760, 29465), (771, 29441),

Gene: Gargoyle_41 Start: 31123, Stop: 29735, Start Num: 186

Candidate Starts for Gargoyle_41:

(4, 31774), (50, 31420), (74, 31345), (Start: 186 @31123 has 151 MA's), (270, 30979), (Start: 274 @30973 has 1 MA's), (276, 30970), (319, 30856), (335, 30829), (360, 30769), (376, 30742), (378, 30739), (427, 30643), (439, 30601), (514, 30430), (523, 30409), (530, 30394), (549, 30334), (583, 30274), (619, 30178), (648, 30115), (669, 30061), (698, 29977), (699, 29971), (704, 29959), (734, 29863), (759, 29809), (760, 29806), (771, 29782),

Gene: Gelo_40 Start: 30809, Stop: 29421, Start Num: 186

Candidate Starts for Gelo_40:

(74, 31031), (Start: 186 @30809 has 151 MA's), (270, 30665), (Start: 274 @30659 has 1 MA's), (276, 30656), (319, 30542), (335, 30515), (360, 30455), (376, 30428), (378, 30425), (427, 30329), (439, 30287), (514, 30116), (523, 30095), (530, 30080), (534, 30068), (549, 30020), (583, 29960), (619, 29864), (648, 29801), (669, 29747), (698, 29663), (699, 29657), (704, 29645), (724, 29570), (734, 29549), (759, 29495), (760, 29492), (771, 29468),

Gene: GermyBearimy_84 Start: 49100, Stop: 50329, Start Num: 159

Candidate Starts for GermyBearimy_84:

(Start: 159 @49100 has 48 MA's), (Start: 180 @49148 has 9 MA's), (244, 49274), (308, 49406), (342, 49481), (385, 49571), (395, 49586), (398, 49592), (419, 49640), (421, 49643), (440, 49703), (452, 49733), (509, 49856), (691, 50084), (707, 50135), (775, 50315), (781, 50324),

Gene: Gershwin_40 Start: 30816, Stop: 29428, Start Num: 186

Candidate Starts for Gershwin_40:

(74, 31038), (Start: 186 @30816 has 151 MA's), (270, 30672), (Start: 274 @30666 has 1 MA's), (276, 30663), (319, 30549), (335, 30522), (360, 30462), (376, 30435), (378, 30432), (426, 30339), (427, 30336), (439, 30294), (514, 30123), (523, 30102), (530, 30087), (534, 30075), (549, 30027), (583, 29967), (619, 29871), (648, 29808), (669, 29754), (698, 29670), (699, 29664), (704, 29652), (724, 29577), (734, 29556), (759, 29502), (760, 29499), (771, 29475),

Gene: Ghobes_35 Start: 32092, Stop: 30689, Start Num: 134

Candidate Starts for Ghobes_35:

(37, 32332), (39, 32329), (72, 32218), (Start: 134 @32092 has 3 MA's), (172, 32017), (185, 31993), (187, 31990), (205, 31960), (207, 31957), (275, 31846), (316, 31771), (317, 31768), (350, 31717), (358, 31714), (375, 31687), (389, 31663), (407, 31636), (465, 31510), (467, 31507), (519, 31384), (520, 31381), (530, 31351), (531, 31348), (567, 31264), (582, 31219), (625, 31117), (649, 31072), (663, 31042), (665, 31039), (697, 30946), (699, 30934), (738, 30820), (758, 30778),

Gene: GiKK_57 Start: 39360, Stop: 37885, Start Num: 146

Candidate Starts for GiKK_57:

(Start: 146 @39360 has 11 MA's), (168, 39318), (195, 39270), (Start: 204 @39243 has 1 MA's), (234, 39189), (244, 39168), (250, 39159), (257, 39153), (297, 39069), (301, 39060), (308, 39042), (310, 39036), (378, 38913), (403, 38859), (406, 38853), (409, 38847), (431, 38802), (441, 38769), (530, 38556), (540, 38523), (556, 38484), (578, 38439), (584, 38421), (586, 38415), (601, 38370), (604, 38364), (613, 38343), (633, 38295), (635, 38292), (652, 38250), (653, 38247), (657, 38232), (691, 38136), (707, 38085), (708, 38082), (724, 38022), (741, 37989), (749, 37974), (752, 37965), (771, 37920), (785, 37899),

Gene: Giantsbane_77 Start: 47101, Stop: 48288, Start Num: 180

Candidate Starts for Giantsbane_77:

(Start: 159 @47056 has 48 MA's), (Start: 162 @47062 has 15 MA's), (166, 47068), (Start: 180 @47101 has 9 MA's), (244, 47227), (308, 47359), (371, 47494), (385, 47524), (439, 47653), (452, 47686), (454, 47692), (476, 47728), (514, 47830), (707, 48091), (717, 48124), (720, 48136), (721, 48139), (749,

48208),

Gene: Gibbous_48 Start: 37401, Stop: 35911, Start Num: 144

Candidate Starts for Gibbous_48:

(Start: 144 @37401 has 3 MA's), (168, 37359), (193, 37317), (195, 37311), (Start: 204 @37284 has 1 MA's), (234, 37230), (238, 37224), (257, 37194), (Start: 274 @37167 has 1 MA's), (307, 37086), (308, 37083), (310, 37077), (316, 37056), (348, 36990), (378, 36954), (394, 36930), (403, 36900), (406, 36894), (409, 36888), (436, 36825), (441, 36810), (447, 36795), (508, 36669), (532, 36591), (545, 36552), (548, 36540), (549, 36537), (572, 36501), (577, 36483), (578, 36480), (579, 36477), (584, 36462), (591, 36435), (595, 36423), (633, 36321), (652, 36276), (653, 36273), (668, 36231), (673, 36216), (689, 36168), (691, 36162), (707, 36111), (741, 36015), (752, 35991), (765, 35958), (785, 35925), (788, 35922),

Gene: Gibson_70 Start: 50318, Stop: 48432, Start Num: 23

Candidate Starts for Gibson_70:

(Start: 23 @50318 has 8 MA's), (Start: 29 @50303 has 6 MA's), (35, 50240), (38, 50231), (68, 50126), (82, 50087), (93, 50063), (135, 49988), (Start: 143 @49964 has 53 MA's), (227, 49805), (249, 49766), (254, 49757), (303, 49649), (357, 49541), (431, 49388), (448, 49337), (475, 49277), (510, 49190), (511, 49187), (545, 49082), (547, 49073), (553, 49061), (588, 48962), (644, 48845), (649, 48833), (657, 48806), (691, 48716), (697, 48701), (710, 48647), (725, 48590), (779, 48482), (794, 48464),

Gene: Gilda_40 Start: 25935, Stop: 27842, Start Num: 27

Candidate Starts for Gilda_40:

(Start: 27 @25935 has 36 MA's), (35, 25998), (41, 26019), (54, 26073), (135, 26250), (156, 26295), (249, 26469), (254, 26478), (297, 26568), (317, 26625), (410, 26811), (469, 26946), (475, 26958), (490, 26991), (534, 27120), (576, 27237), (601, 27312), (690, 27546), (691, 27549), (707, 27609), (737, 27699), (753, 27729), (771, 27771), (799, 27822),

Gene: Gill_87 Start: 53651, Stop: 54871, Start Num: 161

Candidate Starts for Gill_87:

(Start: 161 @53651 has 143 MA's), (Start: 192 @53711 has 23 MA's), (193, 53714), (207, 53753), (221, 53777), (252, 53819), (279, 53861), (291, 53894), (306, 53933), (308, 53939), (330, 53990), (341, 54011), (371, 54074), (421, 54176), (431, 54206), (436, 54224), (448, 54257), (452, 54266), (487, 54332), (491, 54341), (492, 54344), (504, 54380), (509, 54389), (510, 54398), (514, 54410), (531, 54461), (532, 54464), (547, 54515), (551, 54524), (676, 54593), (695, 54632), (725, 54740), (742, 54773), (749, 54791), (759, 54818),

Gene: GirlPower_74 Start: 49223, Stop: 50407, Start Num: 161

Candidate Starts for GirlPower_74:

(Start: 161 @49223 has 143 MA's), (Start: 180 @49268 has 9 MA's), (193, 49286), (196, 49298), (308, 49469), (385, 49643), (395, 49658), (452, 49805), (474, 49844), (477, 49850), (514, 49949), (528, 49991), (532, 50003), (538, 50027), (547, 50051), (549, 50057), (603, 50081), (665, 50087), (725, 50267), (742, 50300), (744, 50306), (754, 50333), (756, 50336), (759, 50345), (760, 50348),

Gene: Gisselle_25 Start: 20615, Stop: 22009, Start Num: 123

Candidate Starts for Gisselle_25:

(Start: 123 @20615 has 76 MA's), (158, 20672), (215, 20777), (217, 20780), (268, 20864), (289, 20897), (316, 20951), (317, 20954), (379, 21044), (405, 21080), (416, 21101), (433, 21134), (441, 21155), (503, 21287), (512, 21314), (526, 21353), (534, 21380), (545, 21413), (549, 21428), (554, 21437), (576, 21482), (593, 21518), (628, 21599), (641, 21623), (649, 21641), (655, 21653), (676, 21713), (682, 21737), (686, 21743), (689, 21746), (696, 21764), (697, 21767), (705, 21791), (706, 21800), (734, 21887), (765, 21938), (790, 21977),

Gene: Glamour_40 Start: 31091, Stop: 29679, Start Num: 192

Candidate Starts for Glamour_40:

(Start: 192 @31091 has 23 MA's), (201, 31061), (Start: 204 @31055 has 1 MA's), (224, 31022), (319, 30830), (335, 30803), (360, 30743), (376, 30716), (378, 30713), (399, 30671), (427, 30617), (439, 30575), (493, 30461), (514, 30404), (523, 30383), (530, 30368), (534, 30356), (535, 30344), (537, 30341), (545, 30323), (572, 30242), (583, 30206), (600, 30152), (617, 30110), (633, 30080), (644, 30056), (647, 30050), (666, 30008), (687, 29939), (697, 29915), (698, 29909), (699, 29903), (704, 29891), (734, 29795), (739, 29786), (749, 29768), (753, 29756), (772, 29711),

Gene: Glenn_29 Start: 22157, Stop: 23557, Start Num: 123

Candidate Starts for Glenn_29:

(Start: 123 @22157 has 76 MA's), (158, 22220), (215, 22325), (217, 22328), (268, 22412), (289, 22445), (313, 22496), (317, 22502), (375, 22583), (376, 22586), (379, 22592), (405, 22628), (414, 22646), (416, 22649), (433, 22682), (441, 22703), (448, 22721), (464, 22754), (503, 22835), (512, 22862), (523, 22892), (526, 22901), (534, 22928), (545, 22961), (549, 22976), (576, 23030), (586, 23051), (592, 23063), (596, 23075), (690, 23297), (694, 23306), (696, 23312), (706, 23348), (723, 23408), (734, 23435), (790, 23525),

Gene: Glintora_88 Start: 55373, Stop: 56587, Start Num: 161

Candidate Starts for Glintora_88:

(Start: 161 @55373 has 143 MA's), (164, 55379), (Start: 192 @55433 has 23 MA's), (196, 55448), (207, 55475), (209, 55478), (221, 55499), (252, 55541), (279, 55583), (291, 55616), (306, 55655), (341, 55733), (342, 55736), (371, 55796), (421, 55898), (439, 55955), (449, 55982), (452, 55988), (456, 55997), (487, 56054), (489, 56060), (492, 56066), (500, 56093), (504, 56102), (510, 56120), (513, 56129), (514, 56132), (517, 56141), (538, 56210), (547, 56234), (576, 56264), (684, 56333), (695, 56351), (749, 56510), (759, 56537), (773, 56570),

Gene: GoCrazy_77 Start: 46024, Stop: 47334, Start Num: 161

Candidate Starts for GoCrazy_77:

(Start: 161 @46024 has 143 MA's), (371, 46462), (385, 46492), (419, 46561), (434, 46606), (448, 46645), (452, 46654), (470, 46684), (491, 46729), (492, 46732), (510, 46786), (512, 46792), (514, 46798), (535, 46870), (547, 46900), (684, 46996), (735, 47143), (744, 47161), (773, 47233), (797, 47269),

Gene: GoblinVoyage_54 Start: 37351, Stop: 38529, Start Num: 162

Candidate Starts for GoblinVoyage_54:

(Start: 162 @37351 has 15 MA's), (174, 37384), (Start: 180 @37393 has 9 MA's), (207, 37450), (259, 37492), (286, 37543), (342, 37672), (385, 37762), (390, 37771), (412, 37819), (419, 37831), (452, 37924), (464, 37945), (477, 37969), (485, 37984), (504, 38038), (509, 38047), (514, 38068), (515, 38071), (517, 38077), (528, 38110), (665, 38212), (691, 38275), (695, 38284), (711, 38341), (717, 38359), (742, 38425), (750, 38446), (776, 38506),

Gene: GoingMerry_41 Start: 31128, Stop: 29740, Start Num: 186

Candidate Starts for GoingMerry_41:

(50, 31425), (74, 31350), (Start: 186 @31128 has 151 MA's), (270, 30984), (Start: 274 @30978 has 1 MA's), (276, 30975), (319, 30861), (335, 30834), (360, 30774), (376, 30747), (378, 30744), (427, 30648), (439, 30606), (514, 30435), (523, 30414), (534, 30387), (549, 30339), (583, 30279), (648, 30120), (669, 30066), (698, 29982), (699, 29976), (704, 29964), (734, 29868), (759, 29814), (760, 29811), (771, 29787),

Gene: GoldHunter_53 Start: 38843, Stop: 37365, Start Num: 143

Candidate Starts for GoldHunter_53:

(Start: 143 @38843 has 53 MA's), (193, 38756), (195, 38750), (234, 38669), (244, 38648), (307, 38525), (308, 38522), (403, 38339), (406, 38333), (409, 38327), (441, 38249), (495, 38135), (508, 38108), (514, 38084), (534, 38024), (548, 37979), (559, 37958), (578, 37919), (584, 37901), (631, 37784), (652, 37736), (653, 37733), (657, 37718), (691, 37622), (698, 37601), (707, 37571),

Gene: Golden_39 Start: 30647, Stop: 29256, Start Num: 186

Candidate Starts for Golden_39:

(Start: 186 @30647 has 151 MA's), (Start: 192 @30644 has 23 MA's), (201, 30614), (270, 30506), (276, 30497), (295, 30443), (332, 30362), (360, 30296), (378, 30266), (400, 30221), (427, 30170), (511, 29966), (514, 29957), (530, 29918), (534, 29906), (535, 29894), (537, 29891), (552, 29855), (556, 29846), (572, 29831), (583, 29795), (587, 29783), (590, 29771), (619, 29696), (648, 29636), (687, 29528), (691, 29519), (697, 29504), (698, 29498), (699, 29492), (794, 29270),

Gene: GoneGirl_41 Start: 31218, Stop: 29833, Start Num: 186

Candidate Starts for GoneGirl_41:

(169, 31248), (Start: 186 @31218 has 151 MA's), (257, 31095), (270, 31074), (Start: 274 @31068 has 1 MA's), (276, 31065), (319, 30951), (360, 30864), (376, 30837), (378, 30834), (427, 30738), (439, 30696), (514, 30525), (530, 30489), (583, 30369), (590, 30345), (648, 30210), (669, 30156), (690, 30096), (698, 30072), (699, 30066), (704, 30054), (734, 29958), (759, 29904),

Gene: Goodman_34 Start: 23371, Stop: 24798, Start Num: 126

Candidate Starts for Goodman_34:

(Start: 126 @23371 has 19 MA's), (249, 23587), (300, 23689), (316, 23728), (360, 23791), (389, 23836), (405, 23857), (451, 23956), (519, 24124), (534, 24172), (539, 24193), (549, 24220), (568, 24247), (576, 24277), (578, 24283), (595, 24319), (630, 24397), (668, 24481), (675, 24499), (676, 24502), (706, 24589), (710, 24601), (721, 24640), (734, 24676), (738, 24682), (768, 24733), (782, 24757),

Gene: Gordon_69 Start: 48372, Stop: 49604, Start Num: 159

Candidate Starts for Gordon_69:

(Start: 159 @48372 has 48 MA's), (164, 48381), (174, 48411), (Start: 180 @48420 has 9 MA's), (218, 48498), (244, 48546), (Start: 255 @48564 has 1 MA's), (308, 48678), (341, 48750), (371, 48813), (385, 48843), (419, 48912), (452, 49005), (454, 49011), (476, 49047), (514, 49149), (676, 49326), (691, 49356), (707, 49407), (711, 49422), (717, 49440), (720, 49452), (721, 49455), (749, 49524), (756, 49542),

Gene: Gorgeous_70 Start: 47020, Stop: 45626, Start Num: 129

Candidate Starts for Gorgeous_70:

(Start: 129 @47020 has 41 MA's), (165, 46951), (202, 46876), (212, 46858), (232, 46828), (281, 46747), (347, 46597), (426, 46453), (437, 46414), (489, 46300), (513, 46249), (531, 46228), (540, 46198), (546, 46183), (549, 46171), (594, 46090), (626, 46042), (641, 46015), (651, 45994), (680, 45910), (705, 45844), (790, 45655), (796, 45643),

Gene: Gravy_86 Start: 53314, Stop: 54534, Start Num: 161

Candidate Starts for Gravy_86:

(Start: 161 @53314 has 143 MA's), (Start: 192 @53374 has 23 MA's), (193, 53377), (207, 53416), (221, 53440), (252, 53482), (279, 53524), (291, 53557), (306, 53596), (308, 53602), (330, 53653), (341, 53674), (371, 53737), (421, 53839), (431, 53869), (436, 53887), (448, 53920), (452, 53929), (487, 53995), (491, 54004), (492, 54007), (504, 54043), (509, 54052), (510, 54061), (514, 54073), (531, 54124), (532, 54127), (547, 54178), (551, 54187), (676, 54256), (695, 54295), (725, 54403), (742, 54436), (749, 54454), (759, 54481),

Gene: Graynor_30 Start: 22151, Stop: 23545, Start Num: 123

Candidate Starts for Graynor_30:

(Start: 123 @22151 has 76 MA's), (158, 22208), (215, 22313), (268, 22400), (316, 22487), (317, 22490), (379, 22580), (405, 22616), (409, 22625), (414, 22634), (441, 22691), (448, 22709), (464, 22742), (503, 22823), (512, 22850), (534, 22916), (545, 22949), (549, 22964), (554, 22973), (596, 23063), (625, 23132), (641, 23159), (649, 23177), (655, 23189), (686, 23279), (690, 23285), (694, 23294), (696, 23300), (706, 23336), (734, 23423), (765, 23474), (768, 23480), (790, 23513), (800, 23537),

Gene: GreenHearts_29 Start: 22236, Stop: 23627, Start Num: 123

Candidate Starts for GreenHearts_29:

(Start: 123 @22236 has 76 MA's), (173, 22323), (215, 22395), (217, 22398), (254, 22464), (268, 22482), (271, 22488), (289, 22515), (317, 22572), (350, 22623), (379, 22662), (405, 22698), (414, 22716), (433, 22752), (441, 22773), (448, 22791), (464, 22824), (488, 22863), (503, 22905), (512, 22932), (521, 22956), (533, 22992), (534, 22998), (545, 23031), (549, 23046), (554, 23055), (576, 23100), (592, 23133), (593, 23136), (630, 23220), (641, 23241), (646, 23253), (649, 23259), (655, 23271), (686, 23361), (689, 23364), (690, 23367), (696, 23382), (697, 23385), (705, 23409), (706, 23418), (734, 23505), (765, 23556), (790, 23595), (800, 23619),

Gene: Greenlvy_40 Start: 29681, Stop: 28254, Start Num: 188

Candidate Starts for Greenlvy_40:

(56, 29951), (67, 29927), (76, 29900), (95, 29852), (116, 29813), (Start: 188 @29681 has 25 MA's), (199, 29651), (201, 29645), (Start: 274 @29531 has 1 MA's), (276, 29528), (278, 29525), (376, 29291), (378, 29288), (493, 29033), (512, 28982), (514, 28976), (534, 28928), (545, 28895), (583, 28781), (586, 28772), (600, 28727), (602, 28721), (615, 28694), (648, 28622), (675, 28550), (687, 28514), (691, 28505), (697, 28490), (698, 28484), (704, 28466), (716, 28424), (739, 28361), (771, 28289),

Gene: Greenbelt_68 Start: 46451, Stop: 44553, Start Num: 20

Candidate Starts for Greenbelt_68:

(15, 46496), (Start: 20 @46451 has 1 MA's), (21, 46445), (25, 46433), (38, 46355), (54, 46289), (59, 46271), (68, 46250), (85, 46205), (93, 46187), (110, 46157), (135, 46112), (Start: 143 @46088 has 53 MA's), (205, 45962), (253, 45887), (254, 45884), (276, 45851), (290, 45818), (303, 45779), (358, 45668), (377, 45629), (415, 45554), (475, 45407), (490, 45374), (511, 45317), (545, 45212), (553, 45191), (606, 45050), (649, 44960), (661, 44927), (697, 44828), (707, 44783), (710, 44774), (763, 44639), (799, 44573), (801, 44570),

Gene: Greenhouse_29 Start: 22160, Stop: 23551, Start Num: 123

Candidate Starts for Greenhouse_29:

(75, 22058), (90, 22100), (105, 22127), (Start: 123 @22160 has 76 MA's), (173, 22247), (215, 22319), (217, 22322), (254, 22388), (268, 22406), (271, 22412), (289, 22439), (317, 22496), (350, 22547), (359, 22553), (360, 22556), (379, 22586), (405, 22622), (414, 22640), (433, 22676), (441, 22697), (448, 22715), (488, 22787), (503, 22829), (512, 22856), (521, 22880), (533, 22916), (534, 22922), (545, 22955), (549, 22970), (554, 22979), (592, 23057), (593, 23060), (630, 23144), (641, 23165), (646, 23177), (649, 23183), (655, 23195), (686, 23285), (696, 23306), (697, 23309), (705, 23333), (706, 23342), (734, 23429), (765, 23480), (790, 23519), (800, 23543),

Gene: Greys_41 Start: 31116, Stop: 29728, Start Num: 186

Candidate Starts for Greys_41:

(4, 31767), (50, 31413), (74, 31338), (Start: 186 @31116 has 151 MA's), (270, 30972), (Start: 274 @30966 has 1 MA's), (276, 30963), (319, 30849), (335, 30822), (360, 30762), (376, 30735), (378, 30732), (427, 30636), (439, 30594), (514, 30423), (523, 30402), (534, 30375), (549, 30327), (583, 30267), (648, 30108), (669, 30054), (698, 29970), (699, 29964), (704, 29952), (734, 29856), (759, 29802), (760, 29799), (771, 29775),

Gene: Gubbabump_40 Start: 30796, Stop: 29408, Start Num: 186

Candidate Starts for Gubbabump_40:

(4, 31447), (50, 31093), (74, 31018), (Start: 186 @30796 has 151 MA's), (270, 30652), (Start: 274 @30646 has 1 MA's), (276, 30643), (319, 30529), (335, 30502), (360, 30442), (376, 30415), (378, 30412), (427, 30316), (439, 30274), (514, 30103), (523, 30082), (530, 30067), (549, 30007), (583, 29947), (619, 29851), (648, 29788), (669, 29734), (698, 29650), (699, 29644), (704, 29632), (734, 29536), (759, 29482), (760, 29479), (771, 29455),

Gene: Guetzie_40 Start: 30629, Stop: 29241, Start Num: 192

Candidate Starts for Guetzie_40:

(Start: 186 @30632 has 151 MA's), (Start: 192 @30629 has 23 MA's), (201, 30599), (270, 30491), (276, 30482), (295, 30428), (332, 30347), (360, 30281), (378, 30251), (400, 30206), (427, 30155), (511, 29951), (514, 29942), (530, 29903), (534, 29891), (535, 29879), (537, 29876), (552, 29840), (556, 29831), (572, 29816), (583, 29780), (587, 29768), (590, 29756), (619, 29681), (648, 29621), (687, 29513), (691, 29504), (697, 29489), (698, 29483), (699, 29477), (794, 29255),

Gene: Gusicorn_87 Start: 54312, Stop: 55526, Start Num: 161

Candidate Starts for Gusicorn_87:

(Start: 161 @54312 has 143 MA's), (164, 54318), (Start: 192 @54372 has 23 MA's), (193, 54375), (196, 54387), (218, 54435), (221, 54438), (252, 54480), (279, 54522), (291, 54555), (306, 54594), (341, 54672), (342, 54675), (371, 54735), (447, 54915), (448, 54918), (449, 54921), (452, 54927), (474, 54966), (487, 54993), (492, 55005), (500, 55032), (504, 55041), (510, 55059), (513, 55068), (514, 55071), (517, 55080), (532, 55125), (538, 55149), (547, 55173), (684, 55272), (690, 55278), (695, 55290), (707, 55332), (725, 55398), (735, 55419), (749, 55449), (773, 55509),

Gene: Hager_41 Start: 25422, Stop: 27329, Start Num: 27

Candidate Starts for Hager_41:

(5, 25248), (Start: 27 @25422 has 36 MA's), (35, 25485), (41, 25506), (54, 25560), (127, 25722), (135, 25737), (156, 25782), (249, 25956), (254, 25965), (297, 26055), (298, 26058), (311, 26097), (317, 26112), (324, 26130), (410, 26298), (449, 26391), (457, 26406), (469, 26433), (475, 26445), (490, 26478), (534, 26607), (576, 26724), (676, 26997), (691, 27036), (707, 27096), (737, 27186), (753, 27216), (771, 27258), (799, 27309),

Gene: HairyMan_37 Start: 30138, Stop: 28738, Start Num: 186

Candidate Starts for HairyMan_37:

(163, 30183), (Start: 184 @30141 has 1 MA's), (Start: 186 @30138 has 151 MA's), (Start: 192 @30132 has 23 MA's), (270, 29994), (Start: 274 @29988 has 1 MA's), (276, 29985), (296, 29928), (335, 29844), (378, 29754), (427, 29658), (436, 29625), (439, 29616), (485, 29523), (514, 29445), (523, 29424), (534, 29397), (583, 29286), (617, 29193), (622, 29187), (666, 29088), (683, 29025), (687, 29019), (697, 28995), (698, 28989), (699, 28983), (704, 28971), (734, 28875), (759, 28821),

Gene: Hajile_86 Start: 50230, Stop: 51687, Start Num: 161

Candidate Starts for Hajile_86:

(Start: 161 @50230 has 143 MA's), (259, 50374), (307, 50473), (385, 50650), (421, 50722), (452, 50812), (477, 50857), (486, 50875), (514, 50956), (527, 50995), (528, 50998), (538, 51034), (549, 51064), (576, 51115), (620, 51250), (638, 51286), (663, 51355), (684, 51412), (708, 51475), (723, 51529), (725, 51538), (742, 51571), (743, 51574), (744, 51577), (754, 51604), (759, 51616), (760, 51619), (776, 51652), (791, 51670),

Gene: Hamlet_40 Start: 31266, Stop: 29875, Start Num: 186

Candidate Starts for Hamlet_40:

(119, 31368), (Start: 121 @31365 has 1 MA's), (Start: 123 @31362 has 76 MA's), (Start: 186 @31266 has 151 MA's), (270, 31119), (Start: 274 @31113 has 1 MA's), (276, 31110), (319, 30996), (335,

30969), (360, 30909), (376, 30882), (378, 30879), (427, 30783), (439, 30741), (514, 30570), (523, 30549), (534, 30522), (583, 30414), (619, 30318), (669, 30201), (675, 30183), (698, 30117), (699, 30111), (704, 30099), (734, 30003), (759, 29949), (760, 29946), (771, 29922), (793, 29892),

Gene: HanSolo_40 Start: 30803, Stop: 29415, Start Num: 186

Candidate Starts for HanSolo_40:

(4, 31454), (50, 31100), (74, 31025), (Start: 186 @30803 has 151 MA's), (270, 30659), (Start: 274 @30653 has 1 MA's), (276, 30650), (319, 30536), (335, 30509), (360, 30449), (376, 30422), (378, 30419), (427, 30323), (439, 30281), (514, 30110), (530, 30074), (549, 30014), (583, 29954), (619, 29858), (648, 29795), (669, 29741), (698, 29657), (699, 29651), (704, 29639), (734, 29543), (759, 29489), (760, 29486), (771, 29462),

Gene: HankSprout_41 Start: 30683, Stop: 29295, Start Num: 186

Candidate Starts for HankSprout_41:

(74, 30905), (Start: 186 @30683 has 151 MA's), (270, 30539), (Start: 274 @30533 has 1 MA's), (276, 30530), (319, 30416), (335, 30389), (360, 30329), (376, 30302), (378, 30299), (427, 30203), (439, 30161), (492, 30050), (514, 29990), (523, 29969), (530, 29954), (549, 29894), (583, 29834), (619, 29738), (648, 29675), (669, 29621), (698, 29537), (699, 29531), (704, 29519), (734, 29423), (759, 29369), (760, 29366), (771, 29342),

Gene: Hankly_80 Start: 46402, Stop: 47712, Start Num: 161

Candidate Starts for Hankly_80:

(Start: 161 @46402 has 143 MA's), (207, 46504), (371, 46840), (385, 46870), (419, 46939), (434, 46984), (448, 47023), (452, 47032), (470, 47062), (491, 47107), (492, 47110), (510, 47164), (512, 47170), (513, 47173), (514, 47176), (529, 47221), (535, 47248), (547, 47278), (684, 47374), (744, 47539), (773, 47611), (797, 47647),

Gene: Hasitha_40 Start: 29084, Stop: 27657, Start Num: 188

Candidate Starts for Hasitha_40:

(Start: 188 @29084 has 25 MA's), (199, 29054), (201, 29048), (Start: 274 @28934 has 1 MA's), (276, 28931), (376, 28694), (378, 28691), (493, 28436), (512, 28385), (514, 28379), (534, 28331), (545, 28298), (549, 28283), (575, 28211), (583, 28184), (586, 28175), (600, 28130), (602, 28124), (615, 28097), (648, 28025), (675, 27953), (687, 27917), (691, 27908), (697, 27893), (698, 27887), (704, 27869), (716, 27827), (739, 27764), (766, 27701), (771, 27692),

Gene: Haunter_40 Start: 25327, Stop: 27234, Start Num: 27

Candidate Starts for Haunter_40:

(Start: 27 @25327 has 36 MA's), (35, 25390), (41, 25411), (54, 25465), (69, 25507), (135, 25642), (156, 25687), (249, 25861), (254, 25870), (297, 25960), (317, 26017), (410, 26203), (469, 26338), (475, 26350), (490, 26383), (509, 26428), (534, 26512), (576, 26629), (676, 26902), (690, 26938), (691, 26941), (707, 27001), (737, 27091), (753, 27121), (771, 27163), (799, 27214),

Gene: HavenFinLeoSun_42 Start: 31494, Stop: 30088, Start Num: 186

Candidate Starts for HavenFinLeoSun_42:

(Start: 186 @31494 has 151 MA's), (270, 31347), (Start: 274 @31341 has 1 MA's), (319, 31224), (335, 31197), (360, 31137), (376, 31110), (378, 31107), (380, 31104), (427, 31011), (439, 30969), (511, 30807), (514, 30798), (523, 30777), (527, 30771), (572, 30678), (583, 30642), (590, 30618), (622, 30543), (669, 30429), (690, 30369), (698, 30345), (699, 30339), (704, 30327), (749, 30204), (759, 30177), (771, 30150),

Gene: HazuAndZazu_78 Start: 49504, Stop: 50688, Start Num: 161

Candidate Starts for HazuAndZazu_78:

(Start: 161 @49504 has 143 MA's), (Start: 180 @49549 has 9 MA's), (196, 49579), (308, 49750), (385, 49924), (452, 50086), (474, 50125), (477, 50131), (489, 50158), (514, 50230), (532, 50284), (538, 50308), (547, 50332), (549, 50338), (603, 50362), (665, 50368), (707, 50482), (742, 50581), (744, 50587), (756, 50617), (759, 50626), (783, 50671),

Gene: Heisenberger_78 Start: 46034, Stop: 47344, Start Num: 161

Candidate Starts for Heisenberger_78:

(Start: 161 @46034 has 143 MA's), (308, 46337), (371, 46472), (385, 46502), (419, 46571), (434, 46616), (448, 46655), (452, 46664), (470, 46694), (491, 46739), (492, 46742), (510, 46796), (512, 46802), (513, 46805), (514, 46808), (518, 46820), (535, 46880), (547, 46910), (735, 47153), (744, 47171), (773, 47243), (797, 47279),

Gene: Hemma_70 Start: 45746, Stop: 46978, Start Num: 159

Candidate Starts for Hemma_70:

(Start: 159 @45746 has 48 MA's), (174, 45782), (Start: 180 @45791 has 9 MA's), (244, 45917), (258, 45938), (341, 46121), (342, 46124), (371, 46184), (385, 46214), (452, 46376), (454, 46382), (476, 46418), (509, 46499), (514, 46520), (677, 46703), (684, 46721), (707, 46781), (709, 46787), (725, 46847), (749, 46898),

Gene: Hendrix_115 Start: 71918, Stop: 73936, Start Num: 9

Candidate Starts for Hendrix_115:

(6, 71888), (Start: 9 @71918 has 4 MA's), (37, 72131), (44, 72152), (51, 72185), (60, 72218), (80, 72272), (105, 72323), (Start: 121 @72353 has 1 MA's), (147, 72404), (201, 72506), (209, 72521), (305, 72707), (318, 72749), (320, 72752), (340, 72773), (350, 72797), (367, 72821), (372, 72827), (397, 72866), (407, 72899), (429, 72932), (438, 72962), (481, 73058), (488, 73073), (493, 73085), (502, 73112), (508, 73124), (512, 73142), (531, 73196), (545, 73241), (548, 73253), (549, 73256), (578, 73325), (608, 73403), (630, 73457), (663, 73529), (676, 73571), (682, 73598), (693, 73616), (698, 73637), (704, 73661), (744, 73775), (774, 73847), (803, 73895), (804, 73898),

Gene: Henococcus_42 Start: 30892, Stop: 32286, Start Num: 132

Candidate Starts for Henococcus_42:

(Start: 132 @30892 has 13 MA's), (Start: 134 @30895 has 3 MA's), (172, 30970), (185, 30994), (205, 31024), (207, 31027), (215, 31039), (277, 31129), (292, 31153), (313, 31198), (317, 31204), (360, 31264), (375, 31285), (409, 31339), (456, 31438), (465, 31465), (471, 31474), (519, 31600), (534, 31648), (539, 31669), (545, 31681), (549, 31696), (569, 31726), (578, 31759), (582, 31768), (598, 31810), (628, 31876), (630, 31879), (641, 31900), (649, 31918), (656, 31936), (676, 31990), (686, 32020), (706, 32077), (707, 32080), (721, 32128), (745, 32182), (787, 32251), (798, 32269),

Gene: Herb_26 Start: 21732, Stop: 23129, Start Num: 123

Candidate Starts for Herb_26:

(Start: 123 @21732 has 76 MA's), (158, 21792), (Start: 204 @21879 has 1 MA's), (215, 21897), (217, 21900), (268, 21984), (271, 21990), (289, 22017), (313, 22068), (317, 22074), (350, 22125), (360, 22134), (375, 22155), (379, 22164), (405, 22200), (416, 22221), (433, 22254), (441, 22275), (448, 22293), (451, 22299), (464, 22326), (472, 22338), (479, 22353), (503, 22407), (521, 22458), (523, 22464), (526, 22473), (528, 22479), (534, 22500), (545, 22533), (549, 22548), (554, 22557), (609, 22680), (628, 22719), (641, 22743), (646, 22755), (686, 22863), (690, 22869), (694, 22878), (696, 22884), (706, 22920), (734, 23007), (790, 23097), (800, 23121),

Gene: HerbBucket_73 Start: 45855, Stop: 47084, Start Num: 161

Candidate Starts for HerbBucket_73:

(Start: 161 @45855 has 143 MA's), (244, 46026), (308, 46158), (371, 46293), (385, 46323), (412, 46380), (448, 46476), (452, 46485), (454, 46491), (474, 46524), (514, 46629), (677, 46809), (756, 47022), (775, 47067),

Gene: HerculesXL_40 Start: 29477, Stop: 28092, Start Num: 188

Candidate Starts for HerculesXL_40:

(Start: 188 @29477 has 25 MA's), (297, 29264), (319, 29201), (332, 29180), (376, 29087), (378, 29084), (391, 29063), (399, 29042), (439, 28946), (514, 28775), (524, 28751), (530, 28739), (534, 28727), (535, 28715), (537, 28712), (545, 28694), (549, 28679), (583, 28619), (587, 28607), (590, 28595), (619, 28523), (633, 28493), (648, 28460), (687, 28352), (691, 28343), (697, 28328), (698, 28322), (699, 28316), (704, 28304), (734, 28208), (739, 28199), (753, 28169), (771, 28127),

Gene: Hexbug_60 Start: 41082, Stop: 39607, Start Num: 146

Candidate Starts for Hexbug_60:

(Start: 146 @41082 has 11 MA's), (168, 41040), (195, 40992), (Start: 204 @40965 has 1 MA's), (244, 40890), (250, 40881), (257, 40875), (297, 40791), (305, 40773), (308, 40764), (310, 40758), (378, 40635), (403, 40581), (406, 40575), (409, 40569), (436, 40506), (441, 40491), (447, 40476), (530, 40278), (540, 40245), (556, 40206), (578, 40161), (599, 40098), (604, 40086), (613, 40065), (618, 40050), (633, 40017), (635, 40014), (653, 39969), (673, 39912), (691, 39858), (707, 39807), (749, 39696), (757, 39675),

Gene: Heylee_73 Start: 47198, Stop: 45804, Start Num: 129

Candidate Starts for Heylee_73:

(Start: 129 @47198 has 41 MA's), (165, 47129), (202, 47054), (212, 47036), (232, 47006), (281, 46925), (291, 46895), (302, 46871), (426, 46631), (437, 46592), (489, 46478), (513, 46427), (531, 46406), (540, 46376), (546, 46361), (549, 46349), (594, 46268), (626, 46220), (641, 46193), (651, 46172), (680, 46088), (705, 46022), (790, 45833), (796, 45821),

Gene: Hiddenleaf_40 Start: 25169, Stop: 27076, Start Num: 27

Candidate Starts for Hiddenleaf_40:

(5, 24995), (Start: 27 @25169 has 36 MA's), (35, 25232), (41, 25253), (54, 25307), (112, 25442), (135, 25484), (156, 25529), (249, 25703), (254, 25712), (297, 25802), (311, 25844), (317, 25859), (410, 26045), (469, 26180), (475, 26192), (490, 26225), (534, 26354), (576, 26471), (676, 26744), (691, 26783), (707, 26843), (737, 26933), (753, 26963), (771, 27005), (799, 27056),

Gene: HippoPololi_50 Start: 37814, Stop: 36324, Start Num: 143

Candidate Starts for HippoPololi_50:

(Start: 143 @37814 has 53 MA's), (168, 37772), (193, 37730), (195, 37724), (Start: 204 @37697 has 1 MA's), (234, 37643), (257, 37607), (Start: 274 @37580 has 1 MA's), (307, 37499), (308, 37496), (310, 37490), (316, 37469), (348, 37403), (378, 37367), (394, 37343), (403, 37313), (406, 37307), (409, 37301), (441, 37223), (508, 37082), (532, 37004), (545, 36965), (549, 36950), (572, 36914), (578, 36893), (579, 36890), (584, 36875), (591, 36848), (604, 36803), (633, 36734), (652, 36689), (653, 36686), (668, 36644), (673, 36629), (687, 36584), (689, 36581), (691, 36575), (707, 36524), (716, 36494), (752, 36404), (765, 36371), (788, 36335),

Gene: HollowPurple_85 Start: 50087, Stop: 48567, Start Num: 129

Candidate Starts for HollowPurple_85:

(111, 50120), (Start: 129 @50087 has 41 MA's), (153, 50036), (207, 49928), (245, 49862), (283, 49796), (325, 49679), (336, 49658), (364, 49601), (386, 49568), (387, 49565), (420, 49502), (437, 49451), (440, 49442), (444, 49433), (446, 49427), (457, 49403), (466, 49379), (486, 49340), (492, 49325), (510, 49274), (516, 49256), (546, 49163), (558, 49136), (574, 49091), (651, 48905), (697, 48797), (705, 48767), (717, 48722), (734, 48671), (771, 48608),

Gene: Horseradish_55 Start: 38581, Stop: 37103, Start Num: 143

Candidate Starts for Horseradish_55:

(Start: 143 @38581 has 53 MA's), (193, 38494), (195, 38488), (216, 38437), (244, 38386), (257, 38371), (297, 38287), (307, 38263), (310, 38254), (378, 38131), (403, 38077), (406, 38071), (409, 38065), (427, 38035), (441, 37987), (495, 37873), (508, 37846), (514, 37822), (540, 37741), (548, 37717), (559, 37696), (578, 37657), (584, 37639), (586, 37633), (631, 37522), (635, 37516), (652, 37474), (657, 37456), (687, 37369), (691, 37360), (698, 37339), (707, 37309), (716, 37279), (724, 37246), (753, 37186), (765, 37156),

Gene: Hortihabitatio_84 Start: 53744, Stop: 54961, Start Num: 161

Candidate Starts for Hortihabitatio_84:

(Start: 161 @53744 has 143 MA's), (Start: 192 @53804 has 23 MA's), (196, 53819), (218, 53867), (221, 53870), (252, 53912), (308, 54032), (341, 54104), (342, 54107), (371, 54167), (402, 54233), (431, 54299), (436, 54317), (448, 54350), (449, 54353), (452, 54359), (482, 54416), (486, 54422), (487, 54425), (498, 54458), (504, 54473), (509, 54482), (510, 54491), (514, 54503), (532, 54557), (538, 54581), (551, 54614), (690, 54710), (695, 54722), (704, 54749), (735, 54851), (742, 54863), (759, 54908), (777, 54947),

Gene: Hortus1_77 Start: 49476, Stop: 47953, Start Num: 129

Candidate Starts for Hortus1_77:

(91, 49542), (106, 49515), (Start: 129 @49476 has 41 MA's), (202, 49326), (207, 49317), (263, 49221), (282, 49188), (291, 49161), (310, 49107), (329, 49062), (330, 49059), (386, 48954), (387, 48951), (440, 48828), (444, 48819), (448, 48807), (473, 48753), (510, 48660), (545, 48552), (558, 48522), (560, 48516), (561, 48513), (562, 48510), (574, 48477), (577, 48465), (626, 48339), (651, 48291), (690, 48201), (697, 48183), (709, 48135), (762, 48012),

Gene: Hoshi_82 Start: 49408, Stop: 50592, Start Num: 161

Candidate Starts for Hoshi_82:

(Start: 161 @49408 has 143 MA's), (Start: 180 @49453 has 9 MA's), (196, 49483), (308, 49654), (341, 49726), (356, 49765), (385, 49828), (452, 49990), (474, 50029), (477, 50035), (489, 50062), (514, 50134), (532, 50188), (538, 50212), (547, 50236), (549, 50242), (603, 50266), (665, 50272), (707, 50386), (742, 50485), (744, 50491), (756, 50521), (759, 50530), (791, 50584),

Gene: HotFries_52 Start: 37541, Stop: 38713, Start Num: 162

Candidate Starts for HotFries_52:

(Start: 162 @37541 has 15 MA's), (174, 37574), (Start: 180 @37583 has 9 MA's), (207, 37640), (286, 37733), (342, 37862), (385, 37952), (412, 38009), (419, 38021), (449, 38108), (452, 38114), (464, 38135), (477, 38159), (485, 38174), (504, 38228), (509, 38237), (514, 38258), (515, 38261), (528, 38300), (691, 38459), (711, 38525), (717, 38543), (742, 38609), (750, 38630),

Gene: Htur_33 Start: 23465, Stop: 24892, Start Num: 126

Candidate Starts for Htur_33:

(99, 23426), (Start: 114 @23447 has 1 MA's), (Start: 126 @23465 has 19 MA's), (316, 23822), (360, 23885), (389, 23930), (405, 23951), (519, 24218), (534, 24266), (539, 24287), (549, 24314), (568, 24341), (569, 24344), (576, 24371), (578, 24377), (595, 24413), (630, 24491), (641, 24512), (649, 24530), (655, 24542), (686, 24626), (706, 24683), (710, 24695), (721, 24734), (734, 24770), (738, 24776),

Gene: Hubbs_78 Start: 49505, Stop: 47982, Start Num: 129

Candidate Starts for Hubbs_78:

(33, 49766), (42, 49724), (Start: 129 @49505 has 41 MA's), (182, 49394), (202, 49355), (207, 49346), (263, 49250), (285, 49208), (291, 49190), (310, 49136), (329, 49091), (330, 49088), (387, 48986), (440, 48863), (455, 48827), (473, 48788), (499, 48722), (510, 48695), (516, 48677), (526, 48647), (545, 48587), (558, 48557), (562, 48545), (564, 48539), (690, 48230), (697, 48212), (707, 48170), (709, 48164), (714, 48146), (715, 48143), (773, 48017),

Gene: HungryHenry_40 Start: 30808, Stop: 29420, Start Num: 186

Candidate Starts for HungryHenry_40:

(4, 31459), (50, 31105), (74, 31030), (Start: 186 @30808 has 151 MA's), (270, 30664), (Start: 274 @30658 has 1 MA's), (276, 30655), (319, 30541), (335, 30514), (360, 30454), (376, 30427), (378, 30424), (427, 30328), (439, 30286), (514, 30115), (523, 30094), (530, 30079), (549, 30019), (583, 29959), (619, 29863), (648, 29800), (669, 29746), (698, 29662), (699, 29656), (704, 29644), (734, 29548), (759, 29494), (760, 29491), (771, 29467),

Gene: HunterDalle_26 Start: 21745, Stop: 23139, Start Num: 123

Candidate Starts for HunterDalle_26:

(Start: 123 @21745 has 76 MA's), (158, 21802), (Start: 204 @21889 has 1 MA's), (215, 21907), (217, 21910), (268, 21994), (289, 22027), (313, 22078), (317, 22084), (360, 22144), (379, 22174), (405, 22210), (414, 22228), (433, 22264), (441, 22285), (448, 22303), (451, 22309), (464, 22336), (503, 22417), (512, 22444), (521, 22468), (526, 22483), (534, 22510), (545, 22543), (549, 22558), (625, 22726), (641, 22753), (646, 22765), (655, 22783), (686, 22873), (690, 22879), (696, 22894), (697, 22897), (706, 22930), (723, 22990), (734, 23017), (768, 23074), (790, 23107), (800, 23131),

Gene: Huntingdon_29 Start: 22127, Stop: 23518, Start Num: 123

Candidate Starts for Huntingdon_29:

(Start: 123 @22127 has 76 MA's), (173, 22214), (215, 22286), (217, 22289), (254, 22355), (268, 22373), (271, 22379), (289, 22406), (317, 22463), (375, 22544), (379, 22553), (405, 22589), (414, 22607), (433, 22643), (441, 22664), (448, 22682), (464, 22715), (488, 22754), (503, 22796), (512, 22823), (521, 22847), (533, 22883), (534, 22889), (545, 22922), (549, 22937), (554, 22946), (576, 22991), (592, 23024), (593, 23027), (628, 23108), (646, 23144), (649, 23150), (655, 23162), (686, 23252), (696, 23273), (697, 23276), (705, 23300), (706, 23309), (734, 23396), (765, 23447), (790, 23486), (800, 23510),

Gene: Huwbert_59 Start: 36808, Stop: 38358, Start Num: 142

Candidate Starts for Huwbert_59:

(Start: 141 @36805 has 1 MA's), (Start: 142 @36808 has 1 MA's), (178, 36874), (195, 36904), (205, 36934), (228, 36973), (242, 37000), (250, 37015), (284, 37069), (294, 37099), (328, 37183), (362, 37267), (366, 37276), (369, 37279), (427, 37399), (431, 37414), (461, 37501), (493, 37567), (503, 37591), (545, 37714), (548, 37726), (589, 37813), (626, 37912), (631, 37930), (681, 38068), (765, 38296), (769, 38305), (771, 38308),

Gene: Hydrus_85 Start: 54691, Stop: 55905, Start Num: 161

Candidate Starts for Hydrus_85:

(Start: 161 @54691 has 143 MA's), (164, 54697), (Start: 192 @54751 has 23 MA's), (193, 54754), (196, 54766), (218, 54814), (221, 54817), (252, 54859), (279, 54901), (288, 54928), (291, 54934), (306, 54973), (341, 55051), (342, 55054), (371, 55114), (421, 55216), (431, 55246), (439, 55273), (448, 55297), (449, 55300), (452, 55306), (470, 55336), (474, 55345), (476, 55348), (486, 55369), (487, 55372), (489, 55378), (492, 55384), (500, 55411), (504, 55420), (510, 55438), (513, 55447), (514, 55450), (517, 55459), (532, 55504), (538, 55528), (547, 55552), (604, 55597), (684, 55651), (690, 55657), (695, 55669), (725, 55777), (749, 55828), (759, 55855), (773, 55888),

Gene: IceWarrior_81 Start: 49214, Stop: 50398, Start Num: 161

Candidate Starts for IceWarrior_81:

(Start: 161 @49214 has 143 MA's), (Start: 180 @49259 has 9 MA's), (196, 49289), (308, 49460), (385, 49634), (452, 49796), (474, 49835), (477, 49841), (489, 49868), (514, 49940), (532, 49994), (538, 50018), (547, 50042), (549, 50048), (603, 50072), (665, 50078), (707, 50192), (742, 50291), (744, 50297), (756, 50327), (759, 50336), (783, 50381),

Gene: Ichor_70 Start: 47416, Stop: 46022, Start Num: 129

Candidate Starts for Ichor_70:

(Start: 129 @47416 has 41 MA's), (165, 47347), (202, 47272), (212, 47254), (232, 47224), (281, 47143), (426, 46849), (437, 46810), (489, 46696), (531, 46624), (540, 46594), (546, 46579), (549, 46567), (578, 46516), (610, 46465), (621, 46447), (626, 46438), (651, 46390), (705, 46240), (790, 46051),

Gene: Ilzat_40 Start: 30819, Stop: 29431, Start Num: 186

Candidate Starts for Ilzat_40:

(4, 31470), (50, 31116), (74, 31041), (Start: 186 @30819 has 151 MA's), (270, 30675), (Start: 274 @30669 has 1 MA's), (276, 30666), (319, 30552), (335, 30525), (360, 30465), (376, 30438), (378, 30435), (427, 30339), (439, 30297), (514, 30126), (523, 30105), (530, 30090), (549, 30030), (583, 29970), (619, 29874), (648, 29811), (669, 29757), (698, 29673), (699, 29667), (704, 29655), (734, 29559), (759, 29505), (760, 29502), (771, 29478),

Gene: IndiRoo_33 Start: 21703, Stop: 23130, Start Num: 126

Candidate Starts for IndiRoo_33:

(113, 21682), (Start: 126 @21703 has 19 MA's), (313, 22057), (316, 22060), (335, 22081), (389, 22168), (416, 22210), (531, 22492), (534, 22504), (539, 22525), (549, 22552), (568, 22579), (569, 22582), (576, 22609), (578, 22615), (595, 22651), (641, 22750), (668, 22813), (676, 22834), (697, 22888), (706, 22921), (710, 22933), (721, 22972), (734, 23008), (738, 23014), (745, 23026), (765, 23059), (782, 23089),

Gene: Indigenous_83 Start: 49799, Stop: 50983, Start Num: 161

Candidate Starts for Indigenous_83:

(Start: 161 @49799 has 143 MA's), (Start: 180 @49844 has 9 MA's), (196, 49874), (308, 50045), (341, 50117), (356, 50156), (385, 50219), (452, 50381), (474, 50420), (477, 50426), (489, 50453), (514, 50525), (532, 50579), (538, 50603), (547, 50627), (549, 50633), (603, 50657), (665, 50663), (707, 50777), (742, 50876), (744, 50882), (756, 50912), (759, 50921), (791, 50975),

Gene: Ingrid_79 Start: 48327, Stop: 49514, Start Num: 180

Candidate Starts for Ingrid_79:

(174, 48318), (Start: 180 @48327 has 9 MA's), (244, 48453), (342, 48660), (371, 48720), (385, 48750), (452, 48912), (476, 48954), (510, 49044), (514, 49056), (676, 49236), (707, 49317), (720, 49362), (749, 49434), (756, 49452),

Gene: Inked_79 Start: 49076, Stop: 50290, Start Num: 180

Candidate Starts for Inked_79:

(155, 49025), (Start: 159 @49031 has 48 MA's), (174, 49067), (Start: 180 @49076 has 9 MA's), (244, 49202), (286, 49277), (341, 49406), (342, 49409), (371, 49469), (385, 49499), (439, 49628), (452, 49661), (476, 49703), (514, 49805), (676, 49985), (707, 50066), (720, 50111), (749, 50183),

Gene: Intolerant_41 Start: 31037, Stop: 32431, Start Num: 132

Candidate Starts for Intolerant_41:

(Start: 132 @31037 has 13 MA's), (Start: 134 @31040 has 3 MA's), (172, 31115), (185, 31139), (205, 31169), (215, 31184), (277, 31274), (295, 31310), (360, 31409), (364, 31418), (411, 31487), (465, 31610), (519, 31745), (528, 31772), (534, 31793), (539, 31814), (569, 31871), (578, 31904), (582, 31913), (598, 31955), (628, 32021), (641, 32045), (649, 32063), (656, 32081), (676, 32135), (686, 32165), (706, 32222), (707, 32225), (721, 32273), (736, 32312), (745, 32327), (787, 32396), (798, 32414), (800, 32423),

Gene: Inventa_41 Start: 31114, Stop: 29726, Start Num: 186

Candidate Starts for Inventa_41:

(4, 31765), (50, 31411), (74, 31336), (Start: 186 @31114 has 151 MA's), (270, 30970), (Start: 274 @30964 has 1 MA's), (276, 30961), (319, 30847), (335, 30820), (360, 30760), (376, 30733), (378, 30730), (427, 30634), (439, 30592), (511, 30430), (514, 30421), (523, 30400), (530, 30385), (534, 30373), (549, 30325), (583, 30265), (619, 30169), (648, 30106), (669, 30052), (698, 29968), (699, 29962), (704, 29950), (734, 29854), (759, 29800), (760, 29797), (771, 29773),

Gene: loannes_41 Start: 31118, Stop: 29730, Start Num: 186

Candidate Starts for loannes_41:

(74, 31340), (Start: 186 @31118 has 151 MA's), (270, 30974), (Start: 274 @30968 has 1 MA's), (319, 30851), (335, 30824), (360, 30764), (376, 30737), (378, 30734), (426, 30641), (427, 30638), (439, 30596), (514, 30425), (523, 30404), (530, 30389), (534, 30377), (549, 30329), (583, 30269), (619, 30173), (648, 30110), (669, 30056), (698, 29972), (699, 29966), (704, 29954), (724, 29879), (734, 29858), (759, 29804), (760, 29801), (771, 29777),

Gene: Issa_67 Start: 47543, Stop: 48793, Start Num: 159

Candidate Starts for Issa_67:

(155, 47537), (Start: 159 @47543 has 48 MA's), (164, 47552), (174, 47582), (Start: 180 @47591 has 9 MA's), (218, 47669), (244, 47717), (Start: 255 @47735 has 1 MA's), (308, 47849), (341, 47921), (371, 47984), (385, 48014), (419, 48083), (452, 48176), (454, 48182), (476, 48218), (514, 48320), (676, 48497), (707, 48578), (717, 48611), (720, 48623), (721, 48626), (749, 48695), (756, 48713),

Gene: Issa7_83 Start: 49544, Stop: 48024, Start Num: 129

Candidate Starts for Issa7_83:

(111, 49577), (Start: 129 @49544 has 41 MA's), (153, 49493), (207, 49385), (245, 49319), (283, 49253), (329, 49130), (336, 49115), (364, 49058), (386, 49025), (387, 49022), (420, 48959), (437, 48908), (440, 48899), (444, 48890), (446, 48884), (457, 48860), (466, 48836), (486, 48797), (492, 48782), (510, 48731), (516, 48713), (526, 48683), (560, 48587), (574, 48548), (651, 48362), (697, 48254), (705, 48224), (717, 48179), (771, 48065),

Gene: Ixel_41 Start: 29711, Stop: 28434, Start Num: 243

Candidate Starts for Ixel_41:

(Start: 188 @29819 has 25 MA's), (Start: 243 @29711 has 1 MA's), (270, 29675), (276, 29666), (319, 29543), (332, 29522), (376, 29429), (378, 29426), (399, 29384), (425, 29336), (427, 29330), (439, 29288), (496, 29165), (514, 29117), (523, 29096), (534, 29069), (535, 29057), (537, 29054), (545, 29036), (583, 28961), (587, 28949), (619, 28865), (640, 28820), (675, 28730), (687, 28694), (691, 28685), (697, 28670), (698, 28664), (699, 28658), (704, 28646), (734, 28550), (753, 28511),

Gene: JDawG_39 Start: 25586, Stop: 27493, Start Num: 27

Candidate Starts for JDawG_39:

(5, 25412), (Start: 27 @25586 has 36 MA's), (35, 25649), (41, 25670), (54, 25724), (112, 25859), (135, 25901), (156, 25946), (249, 26120), (254, 26129), (297, 26219), (311, 26261), (317, 26276), (410, 26462), (469, 26597), (475, 26609), (490, 26642), (523, 26735), (534, 26771), (569, 26861), (576, 26888), (690, 27197), (691, 27200), (707, 27260), (737, 27350), (753, 27380), (771, 27422), (799, 27473),

Gene: JEGGS_78 Start: 46113, Stop: 47423, Start Num: 161

Candidate Starts for JEGGS_78:

(Start: 161 @46113 has 143 MA's), (308, 46416), (371, 46551), (385, 46581), (419, 46650), (434, 46695), (448, 46734), (452, 46743), (470, 46773), (491, 46818), (492, 46821), (510, 46875), (512, 46881), (513, 46884), (514, 46887), (518, 46899), (535, 46959), (547, 46989), (735, 47232), (744, 47250), (773, 47322), (797, 47358),

Gene: JackieB_42 Start: 30731, Stop: 32125, Start Num: 132

Candidate Starts for JackieB_42:

(Start: 132 @30731 has 13 MA's), (Start: 134 @30734 has 3 MA's), (172, 30809), (185, 30833), (205, 30863), (207, 30866), (215, 30878), (277, 30968), (292, 30992), (313, 31037), (317, 31043), (360, 31103), (375, 31124), (409, 31178), (456, 31277), (465, 31304), (471, 31313), (519, 31439), (534, 31487), (539, 31508), (545, 31520), (549, 31535), (569, 31565), (578, 31598), (582, 31607), (598, 31649), (630, 31718), (641, 31739), (649, 31757), (656, 31775), (676, 31829), (686, 31859), (706, 31916), (707, 31919), (721, 31967), (745, 32021), (787, 32090), (798, 32108),

Gene: Jacko_79 Start: 48477, Stop: 46960, Start Num: 129

Candidate Starts for Jacko_79:

(118, 48495), (Start: 129 @48477 has 41 MA's), (153, 48426), (202, 48327), (207, 48318), (232, 48279), (263, 48222), (322, 48072), (330, 48060), (386, 47958), (387, 47955), (428, 47874), (437, 47841), (440, 47832), (466, 47769), (473, 47757), (499, 47691), (526, 47616), (545, 47556), (574, 47481), (593, 47430), (626, 47343), (674, 47250), (690, 47205), (697, 47187), (705, 47157), (709, 47139), (715, 47118), (746, 47043), (762, 47016), (773, 46992),

Gene: JacoRen57_46 Start: 39673, Stop: 38201, Start Num: 148

Candidate Starts for JacoRen57_46:

(140, 39685), (Start: 148 @39673 has 2 MA's), (194, 39586), (195, 39583), (238, 39496), (244, 39481), (250, 39472), (307, 39358), (403, 39172), (409, 39160), (441, 39082), (526, 38881), (545, 38821), (548, 38809), (549, 38806), (652, 38566), (657, 38548), (676, 38494), (691, 38452), (698, 38431), (707, 38401), (711, 38386), (749, 38290), (753, 38278), (781, 38218),

Gene: Jaek_70 Start: 47416, Stop: 46022, Start Num: 129

Candidate Starts for Jaek_70:

(Start: 129 @47416 has 41 MA's), (165, 47347), (202, 47272), (212, 47254), (232, 47224), (281, 47143), (426, 46849), (437, 46810), (489, 46696), (531, 46624), (540, 46594), (546, 46579), (549, 46567), (578, 46516), (610, 46465), (621, 46447), (626, 46438), (651, 46390), (705, 46240), (790, 46051),

Gene: Jamzy_58 Start: 39427, Stop: 37952, Start Num: 146

Candidate Starts for Jamzy_58:

(Start: 146 @39427 has 11 MA's), (195, 39337), (Start: 204 @39310 has 1 MA's), (234, 39256), (244, 39235), (250, 39226), (257, 39220), (297, 39136), (301, 39127), (308, 39109), (310, 39103), (378, 38980), (403, 38926), (406, 38920), (409, 38914), (431, 38869), (441, 38836), (530, 38623), (540, 38590), (556, 38551), (578, 38506), (584, 38488), (586, 38482), (601, 38437), (604, 38431), (613, 38410), (633, 38362), (635, 38359), (652, 38317), (653, 38314), (657, 38299), (691, 38203), (707, 38152), (724, 38089), (757, 38020), (785, 37966),

Gene: Janus167_40 Start: 30803, Stop: 29415, Start Num: 186

Candidate Starts for Janus167_40:

(74, 31025), (Start: 186 @30803 has 151 MA's), (270, 30659), (Start: 274 @30653 has 1 MA's), (276, 30650), (319, 30536), (335, 30509), (360, 30449), (376, 30422), (378, 30419), (427, 30323), (439, 30281), (514, 30110), (523, 30089), (530, 30074), (534, 30062), (549, 30014), (583, 29954), (619, 29858), (648, 29795), (669, 29741), (698, 29657), (699, 29651), (704, 29639), (734, 29543), (759, 29489), (760, 29486), (771, 29462),

Gene: JasonD_43 Start: 31699, Stop: 30293, Start Num: 186

Candidate Starts for JasonD_43:

(85, 31888), (Start: 134 @31798 has 3 MA's), (136, 31795), (Start: 186 @31699 has 151 MA's), (270, 31552), (Start: 274 @31546 has 1 MA's), (297, 31483), (319, 31429), (335, 31402), (360, 31342), (376, 31315), (378, 31312), (427, 31216), (439, 31174), (511, 31012), (514, 31003), (523, 30982), (527, 30976), (530, 30967), (552, 30904), (572, 30883), (583, 30847), (590, 30823), (622, 30748), (640,

30706), (698, 30550), (699, 30544), (704, 30532), (734, 30436), (749, 30409), (759, 30382),

Gene: JasperRussell_40 Start: 30803, Stop: 29415, Start Num: 186

Candidate Starts for JasperRussell_40:

(50, 31100), (74, 31025), (Start: 186 @30803 has 151 MA's), (270, 30659), (Start: 274 @30653 has 1 MA's), (276, 30650), (319, 30536), (335, 30509), (360, 30449), (376, 30422), (378, 30419), (427, 30323), (439, 30281), (514, 30110), (523, 30089), (530, 30074), (549, 30014), (583, 29954), (619, 29858), (648, 29795), (669, 29741), (698, 29657), (699, 29651), (704, 29639), (734, 29543), (759, 29489), (760, 29486), (771, 29462),

Gene: Jaylociraptor_81 Start: 49380, Stop: 50564, Start Num: 161

Candidate Starts for Jaylociraptor_81:

(Start: 161 @49380 has 143 MA's), (Start: 180 @49425 has 9 MA's), (196, 49455), (308, 49626), (341, 49698), (356, 49737), (385, 49800), (452, 49962), (474, 50001), (477, 50007), (489, 50034), (514, 50106), (532, 50160), (538, 50184), (547, 50208), (549, 50214), (603, 50238), (665, 50244), (707, 50358), (742, 50457), (744, 50463), (756, 50493), (759, 50502), (791, 50556),

Gene: Jazzy4900_73 Start: 48298, Stop: 49527, Start Num: 159

Candidate Starts for Jazzy4900_73:

(Start: 159 @48298 has 48 MA's), (Start: 180 @48346 has 9 MA's), (244, 48472), (308, 48604), (342, 48679), (371, 48739), (385, 48769), (395, 48784), (398, 48790), (419, 48838), (440, 48901), (452, 48931), (707, 49333), (711, 49348), (773, 49510), (775, 49513),

Gene: JeNeSaisPas_138 Start: 72486, Stop: 73730, Start Num: 159

Candidate Starts for JeNeSaisPas_138:

(Start: 159 @72486 has 48 MA's), (174, 72525), (Start: 180 @72534 has 9 MA's), (244, 72660), (279, 72714), (371, 72927), (385, 72957), (419, 73026), (452, 73119), (509, 73242), (514, 73263), (535, 73335), (555, 73383), (578, 73401), (690, 73467), (711, 73536), (725, 73587), (749, 73638), (756, 73656),

Gene: Jemerald_42 Start: 31717, Stop: 30299, Start Num: 188

Candidate Starts for Jemerald_42:

(Start: 188 @31717 has 25 MA's), (Start: 192 @31711 has 23 MA's), (270, 31573), (295, 31510), (319, 31450), (332, 31429), (374, 31342), (376, 31336), (378, 31333), (391, 31312), (409, 31267), (425, 31243), (427, 31237), (439, 31195), (503, 31057), (514, 31024), (524, 31000), (549, 30928), (562, 30901), (575, 30853), (583, 30826), (615, 30739), (619, 30730), (664, 30631), (687, 30559), (691, 30550), (697, 30535), (698, 30529), (734, 30415), (753, 30376), (756, 30370), (771, 30334), (772, 30331),

Gene: Jenos_44 Start: 32344, Stop: 30941, Start Num: 188

Candidate Starts for Jenos_44:

(62, 32587), (66, 32578), (85, 32527), (94, 32506), (Start: 134 @32437 has 3 MA's), (Start: 188 @32344 has 25 MA's), (270, 32200), (Start: 274 @32194 has 1 MA's), (297, 32131), (319, 32077), (335, 32050), (360, 31990), (376, 31963), (378, 31960), (427, 31864), (439, 31822), (511, 31660), (514, 31651), (523, 31630), (534, 31603), (552, 31552), (583, 31495), (600, 31441), (619, 31399), (640, 31354), (690, 31222), (698, 31198), (699, 31192), (704, 31180), (734, 31084), (749, 31057), (759, 31030), (794, 30973),

Gene: Jera_34 Start: 22504, Stop: 23931, Start Num: 126

Candidate Starts for Jera_34:

(102, 22462), (Start: 126 @22504 has 19 MA's), (300, 22822), (389, 22969), (405, 22990), (409, 22999), (519, 23257), (534, 23305), (539, 23326), (569, 23383), (578, 23416), (595, 23452), (630, 23530), (641, 23551), (675, 23632), (676, 23635), (706, 23722), (710, 23734), (721, 23773), (734,

23809), (738, 23815), (745, 23827), (782, 23890),

Gene: Jerbirus_42 Start: 30803, Stop: 29415, Start Num: 186

Candidate Starts for Jerbirus_42:

(4, 31454), (50, 31100), (74, 31025), (Start: 186 @30803 has 151 MA's), (270, 30659), (Start: 274 @30653 has 1 MA's), (276, 30650), (319, 30536), (335, 30509), (360, 30449), (376, 30422), (378, 30419), (427, 30323), (439, 30281), (514, 30110), (523, 30089), (530, 30074), (549, 30014), (583, 29954), (619, 29858), (648, 29795), (669, 29741), (698, 29657), (699, 29651), (704, 29639), (734, 29543), (759, 29489), (760, 29486), (771, 29462),

Gene: Jeremy4pt0_73 Start: 45841, Stop: 47070, Start Num: 161

Candidate Starts for Jeremy4pt0_73:

(Start: 161 @45841 has 143 MA's), (244, 46012), (308, 46144), (371, 46279), (385, 46309), (412, 46366), (452, 46471), (454, 46477), (474, 46510), (514, 46615), (677, 46795), (756, 47008), (775, 47053),

Gene: JeriBeth_40 Start: 30666, Stop: 29278, Start Num: 186

Candidate Starts for JeriBeth_40:

(74, 30888), (Start: 186 @30666 has 151 MA's), (270, 30522), (Start: 274 @30516 has 1 MA's), (276, 30513), (319, 30399), (335, 30372), (360, 30312), (376, 30285), (378, 30282), (427, 30186), (439, 30144), (514, 29973), (523, 29952), (530, 29937), (549, 29877), (583, 29817), (619, 29721), (648, 29658), (669, 29604), (698, 29520), (699, 29514), (704, 29502), (734, 29406), (759, 29352), (760, 29349), (771, 29325),

Gene: JingleBells_40 Start: 25290, Stop: 27197, Start Num: 27

Candidate Starts for JingleBells_40:

(5, 25116), (Start: 27 @25290 has 36 MA's), (35, 25353), (41, 25374), (54, 25428), (78, 25491), (112, 25563), (135, 25605), (156, 25650), (249, 25824), (254, 25833), (297, 25923), (311, 25965), (317, 25980), (410, 26166), (469, 26301), (475, 26313), (490, 26346), (534, 26475), (576, 26592), (690, 26901), (691, 26904), (707, 26964), (737, 27054), (753, 27084), (771, 27126), (799, 27177),

Gene: Jingles_40 Start: 30552, Stop: 29173, Start Num: 192

Candidate Starts for Jingles_40:

(98, 30717), (125, 30672), (139, 30642), (Start: 177 @30570 has 2 MA's), (Start: 186 @30558 has 151 MA's), (Start: 192 @30552 has 23 MA's), (201, 30522), (270, 30414), (Start: 274 @30408 has 1 MA's), (276, 30405), (283, 30390), (357, 30213), (360, 30204), (364, 30195), (378, 30174), (399, 30132), (427, 30078), (514, 29865), (523, 29844), (530, 29829), (534, 29817), (537, 29802), (552, 29766), (556, 29757), (572, 29742), (583, 29706), (619, 29607), (648, 29544), (659, 29517), (683, 29442), (687, 29436), (691, 29427), (697, 29412), (698, 29406), (699, 29400), (704, 29388), (749, 29265), (753, 29253),

Gene: Joann_29 Start: 22094, Stop: 23485, Start Num: 123

Candidate Starts for Joann_29:

(Start: 123 @22094 has 76 MA's), (173, 22181), (215, 22253), (217, 22256), (254, 22322), (268, 22340), (289, 22373), (317, 22430), (350, 22481), (359, 22487), (360, 22490), (379, 22520), (405, 22556), (414, 22574), (433, 22610), (441, 22631), (448, 22649), (464, 22682), (488, 22721), (503, 22763), (512, 22790), (521, 22814), (533, 22850), (534, 22856), (545, 22889), (549, 22904), (554, 22913), (576, 22958), (586, 22979), (592, 22991), (628, 23075), (641, 23099), (646, 23111), (649, 23117), (655, 23129), (686, 23219), (690, 23225), (696, 23240), (697, 23243), (705, 23267), (706, 23276), (734, 23363), (790, 23453), (800, 23477),

Gene: Jodelie19_85 Start: 56153, Stop: 57367, Start Num: 161

Candidate Starts for Jodelie19_85:

(Start: 161 @56153 has 143 MA's), (164, 56159), (Start: 192 @56213 has 23 MA's), (193, 56216), (196, 56228), (207, 56255), (209, 56258), (221, 56279), (252, 56321), (279, 56363), (291, 56396), (306, 56435), (341, 56513), (342, 56516), (371, 56576), (421, 56678), (431, 56708), (439, 56735), (448, 56759), (452, 56768), (470, 56798), (474, 56807), (476, 56810), (487, 56834), (492, 56846), (500, 56873), (504, 56882), (510, 56900), (513, 56909), (514, 56912), (517, 56921), (531, 56963), (538, 56990), (547, 57014), (576, 57044), (695, 57131), (725, 57239), (749, 57290), (759, 57317), (773, 57350),

Gene: Johann_34 Start: 23371, Stop: 24798, Start Num: 126

Candidate Starts for Johann_34:

(Start: 126 @23371 has 19 MA's), (249, 23587), (300, 23689), (316, 23728), (360, 23791), (389, 23836), (405, 23857), (451, 23956), (519, 24124), (534, 24172), (539, 24193), (549, 24220), (568, 24247), (576, 24277), (578, 24283), (595, 24319), (630, 24397), (668, 24481), (675, 24499), (676, 24502), (706, 24589), (710, 24601), (721, 24640), (734, 24676), (738, 24682), (768, 24733), (782, 24757),

Gene: JoyLin_76 Start: 49753, Stop: 51030, Start Num: 161

Candidate Starts for JoyLin_76:

(Start: 161 @49753 has 143 MA's), (196, 49828), (223, 49882), (308, 50056), (319, 50092), (342, 50131), (371, 50191), (385, 50221), (452, 50383), (510, 50515), (517, 50536), (529, 50572), (532, 50581), (549, 50635), (604, 50671), (691, 50734), (707, 50785), (711, 50800), (725, 50851), (742, 50884),

Gene: Juanyo_39 Start: 30553, Stop: 29183, Start Num: 192

Candidate Starts for Juanyo_39:

(Start: 186 @30556 has 151 MA's), (Start: 192 @30553 has 23 MA's), (Start: 243 @30451 has 1 MA's), (319, 30292), (335, 30265), (360, 30205), (376, 30178), (378, 30175), (418, 30094), (427, 30079), (493, 29923), (514, 29866), (523, 29845), (527, 29839), (530, 29830), (535, 29806), (545, 29785), (549, 29770), (572, 29746), (583, 29710), (600, 29656), (648, 29551), (654, 29539), (666, 29512), (675, 29479), (687, 29443), (691, 29434), (697, 29419), (698, 29413), (699, 29407), (704, 29395), (734, 29299), (739, 29290), (749, 29272), (753, 29260), (771, 29218), (789, 29191),

Gene: Juicer_42 Start: 31717, Stop: 30299, Start Num: 188

Candidate Starts for Juicer_42:

(Start: 188 @31717 has 25 MA's), (Start: 192 @31711 has 23 MA's), (270, 31573), (295, 31510), (319, 31450), (332, 31429), (374, 31342), (376, 31336), (378, 31333), (391, 31312), (409, 31267), (425, 31243), (427, 31237), (439, 31195), (503, 31057), (514, 31024), (524, 31000), (549, 30928), (562, 30901), (575, 30853), (583, 30826), (615, 30739), (619, 30730), (664, 30631), (687, 30559), (691, 30550), (697, 30535), (698, 30529), (734, 30415), (753, 30376), (756, 30370), (771, 30334), (772, 30331),

Gene: JulesRay_86 Start: 53717, Stop: 54937, Start Num: 161

Candidate Starts for JulesRay_86:

(Start: 161 @53717 has 143 MA's), (Start: 192 @53777 has 23 MA's), (193, 53780), (207, 53819), (221, 53843), (252, 53885), (279, 53927), (288, 53954), (291, 53960), (306, 53999), (308, 54005), (341, 54077), (371, 54140), (421, 54242), (431, 54272), (436, 54290), (448, 54323), (452, 54332), (487, 54398), (491, 54407), (492, 54410), (504, 54446), (509, 54455), (510, 54464), (514, 54476), (531, 54527), (532, 54530), (547, 54581), (551, 54590), (676, 54659), (695, 54698), (725, 54806), (742, 54839), (749, 54857),

Gene: Jumboset_29 Start: 22100, Stop: 23500, Start Num: 123

Candidate Starts for Jumboset_29:

(Start: 123 @22100 has 76 MA's), (158, 22163), (215, 22268), (217, 22271), (268, 22355), (289, 22388), (313, 22439), (317, 22445), (375, 22526), (376, 22529), (379, 22535), (405, 22571), (414, 22589), (416, 22592), (441, 22646), (464, 22697), (503, 22778), (512, 22805), (523, 22835), (526, 22844), (534, 22871), (545, 22904), (549, 22919), (576, 22973), (586, 22994), (592, 23006), (596, 23018), (690, 23240), (694, 23249), (696, 23255), (706, 23291), (723, 23351), (734, 23378), (790, 23468),

Gene: JustBecause_122 Start: 81387, Stop: 79741, Start Num: 79

Candidate Starts for JustBecause_122:

(64, 81426), (Start: 79 @81387 has 9 MA's), (127, 81297), (137, 81279), (145, 81255), (157, 81237), (248, 81060), (295, 80958), (326, 80883), (328, 80880), (360, 80817), (487, 80547), (492, 80535), (516, 80463), (572, 80307), (594, 80247), (597, 80232), (637, 80145), (651, 80115), (667, 80073), (683, 80013), (716, 79917), (717, 79914), (779, 79785),

Gene: Kale_40 Start: 30818, Stop: 29430, Start Num: 186

Candidate Starts for Kale_40:

(74, 31040), (Start: 186 @30818 has 151 MA's), (270, 30674), (Start: 274 @30668 has 1 MA's), (276, 30665), (319, 30551), (335, 30524), (360, 30464), (376, 30437), (378, 30434), (427, 30338), (439, 30296), (514, 30125), (523, 30104), (530, 30089), (549, 30029), (583, 29969), (619, 29873), (648, 29810), (669, 29756), (698, 29672), (699, 29666), (704, 29654), (724, 29579), (734, 29558), (759, 29504), (760, 29501), (771, 29477),

Gene: Kalizoi_29 Start: 22099, Stop: 23499, Start Num: 123

Candidate Starts for Kalizoi_29:

(Start: 123 @22099 has 76 MA's), (158, 22162), (215, 22267), (217, 22270), (268, 22354), (289, 22387), (313, 22438), (317, 22444), (375, 22525), (376, 22528), (379, 22534), (405, 22570), (414, 22588), (416, 22591), (441, 22645), (464, 22696), (503, 22777), (512, 22804), (523, 22834), (526, 22843), (534, 22870), (545, 22903), (549, 22918), (576, 22972), (586, 22993), (592, 23005), (596, 23017), (690, 23239), (694, 23248), (696, 23254), (706, 23290), (723, 23350), (734, 23377), (790, 23467), (800, 23491), (802, 23494),

Gene: KannH_40 Start: 30803, Stop: 29415, Start Num: 186

Candidate Starts for KannH_40:

(4, 31454), (50, 31100), (74, 31025), (Start: 186 @30803 has 151 MA's), (270, 30659), (Start: 274 @30653 has 1 MA's), (276, 30650), (319, 30536), (335, 30509), (360, 30449), (376, 30422), (378, 30419), (427, 30323), (439, 30281), (514, 30110), (523, 30089), (530, 30074), (549, 30014), (583, 29954), (619, 29858), (648, 29795), (669, 29741), (698, 29657), (699, 29651), (704, 29639), (734, 29543), (759, 29489), (760, 29486), (771, 29462),

Gene: Karate_39 Start: 25940, Stop: 27847, Start Num: 27

Candidate Starts for Karate_39:

(5, 25766), (Start: 27 @25940 has 36 MA's), (35, 26003), (41, 26024), (54, 26078), (127, 26240), (135, 26255), (156, 26300), (249, 26474), (254, 26483), (297, 26573), (298, 26576), (317, 26630), (410, 26816), (469, 26951), (475, 26963), (534, 27125), (576, 27242), (691, 27554), (707, 27614), (737, 27704), (753, 27734), (771, 27776), (799, 27827),

Gene: Kardashian_78 Start: 49852, Stop: 51051, Start Num: 161

Candidate Starts for Kardashian_78:

(Start: 161 @49852 has 143 MA's), (174, 49888), (259, 49996), (355, 50209), (371, 50248), (395, 50293), (436, 50398), (440, 50410), (448, 50431), (452, 50440), (474, 50479), (486, 50503), (514, 50584), (518, 50596), (528, 50626), (532, 50638), (535, 50656), (538, 50662), (547, 50686), (549, 50692), (756, 50971), (759, 50980), (771, 51007),

Gene: Kardesai_80 Start: 46338, Stop: 47648, Start Num: 161

Candidate Starts for Kardesai_80:

(Start: 161 @46338 has 143 MA's), (371, 46776), (373, 46779), (385, 46806), (434, 46920), (452, 46968), (470, 46998), (491, 47043), (492, 47046), (510, 47100), (512, 47106), (513, 47109), (514, 47112), (518, 47124), (535, 47184), (538, 47190), (684, 47310), (744, 47475), (773, 47547), (797, 47583),

Gene: KatChan_42 Start: 30536, Stop: 29130, Start Num: 188

Candidate Starts for KatChan_42:

(Start: 188 @30536 has 25 MA's), (199, 30506), (272, 30389), (Start: 274 @30386 has 1 MA's), (276, 30383), (297, 30323), (306, 30302), (319, 30260), (335, 30233), (376, 30146), (378, 30143), (399, 30101), (425, 30050), (493, 29888), (514, 29831), (535, 29771), (540, 29762), (545, 29750), (572, 29711), (580, 29684), (581, 29681), (583, 29675), (615, 29588), (622, 29576), (687, 29408), (691, 29399), (697, 29384), (698, 29378), (699, 29372), (704, 29360), (749, 29237), (758, 29213), (771, 29183),

Gene: Kate_41 Start: 25943, Stop: 27850, Start Num: 27

Candidate Starts for Kate_41:

(Start: 27 @25943 has 36 MA's), (35, 26006), (41, 26027), (54, 26081), (135, 26258), (156, 26303), (249, 26477), (254, 26486), (297, 26576), (317, 26633), (410, 26819), (469, 26954), (475, 26966), (490, 26999), (534, 27128), (576, 27245), (601, 27320), (690, 27554), (691, 27557), (707, 27617), (737, 27707), (753, 27737), (771, 27779), (799, 27830),

Gene: Kauala_39 Start: 30568, Stop: 29171, Start Num: 177

Candidate Starts for Kauala_39:

(71, 30784), (98, 30715), (107, 30700), (139, 30640), (Start: 177 @30568 has 2 MA's), (Start: 186 @30556 has 151 MA's), (Start: 192 @30550 has 23 MA's), (201, 30520), (270, 30412), (Start: 274 @30406 has 1 MA's), (276, 30403), (283, 30388), (360, 30202), (378, 30172), (399, 30130), (427, 30076), (436, 30043), (514, 29863), (523, 29842), (530, 29827), (534, 29815), (535, 29803), (537, 29800), (552, 29764), (572, 29740), (577, 29722), (583, 29704), (648, 29542), (669, 29488), (683, 29440), (687, 29434), (691, 29425), (697, 29410), (698, 29404), (699, 29398), (704, 29386), (749, 29263), (753, 29251),

Gene: Kavo_38 Start: 29315, Stop: 27930, Start Num: 183

Candidate Starts for Kavo_38:

(Start: 183 @29315 has 2 MA's), (270, 29171), (297, 29102), (319, 29039), (325, 29030), (332, 29018), (376, 28925), (378, 28922), (391, 28901), (399, 28880), (439, 28784), (514, 28613), (524, 28589), (530, 28577), (534, 28565), (535, 28553), (537, 28550), (545, 28532), (549, 28517), (583, 28457), (587, 28445), (590, 28433), (619, 28361), (633, 28331), (648, 28298), (687, 28190), (691, 28181), (697, 28166), (698, 28160), (699, 28154), (704, 28142), (734, 28046), (739, 28037), (753, 28007), (771, 27965),

Gene: KayGee_58 Start: 40792, Stop: 39314, Start Num: 143

Candidate Starts for KayGee_58:

(Start: 143 @40792 has 53 MA's), (179, 40729), (193, 40708), (195, 40702), (Start: 204 @40675 has 1 MA's), (234, 40621), (257, 40585), (267, 40570), (307, 40474), (310, 40465), (316, 40444), (348, 40378), (378, 40342), (403, 40288), (406, 40282), (409, 40276), (441, 40198), (447, 40183), (495, 40084), (522, 40009), (530, 39985), (534, 39973), (540, 39952), (546, 39937), (548, 39928), (559, 39907), (578, 39868), (581, 39859), (586, 39844), (604, 39793), (635, 39721), (652, 39679), (653, 39676), (657, 39661), (691, 39565), (707, 39514), (716, 39484), (724, 39451), (752, 39394), (758, 39379),

Gene: KeaneyLin_76 Start: 46024, Stop: 47334, Start Num: 161

Candidate Starts for KeaneyLin_76:

(Start: 161 @46024 has 143 MA's), (371, 46462), (385, 46492), (419, 46561), (434, 46606), (448, 46645), (452, 46654), (470, 46684), (491, 46729), (492, 46732), (510, 46786), (512, 46792), (514, 46798), (535, 46870), (547, 46900), (684, 46996), (735, 47143), (744, 47161), (773, 47233), (797, 47269),

Gene: Kela_123 Start: 81267, Stop: 79621, Start Num: 79

Candidate Starts for Kela_123:

(64, 81306), (Start: 79 @81267 has 9 MA's), (127, 81177), (137, 81159), (145, 81135), (157, 81117), (248, 80940), (295, 80838), (326, 80763), (328, 80760), (360, 80697), (487, 80427), (492, 80415), (516, 80343), (572, 80187), (594, 80127), (597, 80112), (637, 80025), (651, 79995), (667, 79953), (683, 79893), (716, 79797), (717, 79794), (779, 79665),

Gene: KellyGreen_42 Start: 30800, Stop: 29412, Start Num: 186

Candidate Starts for KellyGreen_42:

(74, 31022), (Start: 186 @30800 has 151 MA's), (270, 30656), (Start: 274 @30650 has 1 MA's), (276, 30647), (319, 30533), (335, 30506), (360, 30446), (376, 30419), (378, 30416), (427, 30320), (439, 30278), (514, 30107), (523, 30086), (530, 30071), (534, 30059), (549, 30011), (583, 29951), (619, 29855), (648, 29792), (669, 29738), (698, 29654), (699, 29648), (704, 29636), (724, 29561), (734, 29540), (759, 29486), (760, 29483), (771, 29459),

Gene: Kenosha_85 Start: 54773, Stop: 55987, Start Num: 161

Candidate Starts for Kenosha_85:

(Start: 161 @54773 has 143 MA's), (164, 54779), (Start: 192 @54833 has 23 MA's), (193, 54836), (196, 54848), (218, 54896), (221, 54899), (252, 54941), (279, 54983), (291, 55016), (306, 55055), (341, 55133), (342, 55136), (371, 55196), (421, 55298), (431, 55328), (448, 55379), (452, 55388), (470, 55418), (474, 55427), (476, 55430), (486, 55451), (487, 55454), (491, 55463), (492, 55466), (500, 55493), (504, 55502), (510, 55520), (513, 55529), (514, 55532), (517, 55541), (531, 55583), (532, 55586), (538, 55610), (547, 55634), (576, 55664), (695, 55751), (725, 55859), (747, 55904), (749, 55910), (759, 55937), (773, 55970),

Gene: Kerry_86 Start: 53377, Stop: 54597, Start Num: 161

Candidate Starts for Kerry_86:

(Start: 161 @53377 has 143 MA's), (Start: 192 @53437 has 23 MA's), (193, 53440), (207, 53479), (221, 53503), (252, 53545), (279, 53587), (291, 53620), (306, 53659), (308, 53665), (330, 53716), (341, 53737), (371, 53800), (421, 53902), (431, 53932), (436, 53950), (448, 53983), (452, 53992), (487, 54058), (491, 54067), (492, 54070), (504, 54106), (509, 54115), (510, 54124), (514, 54136), (531, 54187), (532, 54190), (547, 54241), (551, 54250), (676, 54319), (695, 54358), (725, 54466), (742, 54499), (749, 54517), (759, 54544),

Gene: KevinMinion_73 Start: 46637, Stop: 47884, Start Num: 159

Candidate Starts for KevinMinion_73:

(Start: 159 @46637 has 48 MA's), (Start: 239 @46799 has 1 MA's), (244, 46811), (279, 46865), (308, 46943), (342, 47018), (385, 47108), (390, 47117), (431, 47210), (452, 47270), (491, 47345), (514, 47414), (749, 47789), (756, 47807),

Gene: KimJongPhill_74 Start: 51796, Stop: 53328, Start Num: 131

Candidate Starts for KimJongPhill_74:

(16, 51421), (46, 51580), (49, 51595), (87, 51715), (Start: 131 @51796 has 2 MA's), (193, 51910), (195, 51916), (210, 51958), (214, 51964), (216, 51967), (221, 51973), (236, 52000), (247, 52021), (276, 52063), (292, 52105), (298, 52126), (305, 52141), (307, 52147), (308, 52150), (309, 52153), (376, 52294), (378, 52300), (403, 52354), (409, 52366), (425, 52390), (431, 52411), (441, 52444), (470, 52507), (474, 52516), (493, 52558), (532, 52675), (540, 52702), (545, 52714), (548, 52726),

(549, 52729), (631, 52912), (644, 52942), (650, 52954), (652, 52960), (661, 52984), (689, 53068), (707, 53125), (712, 53143), (749, 53236), (754, 53251), (765, 53278),

Gene: KingBob_26 Start: 21732, Stop: 23129, Start Num: 123

Candidate Starts for KingBob_26:

(Start: 123 @21732 has 76 MA's), (158, 21792), (Start: 204 @21879 has 1 MA's), (215, 21897), (217, 21900), (268, 21984), (271, 21990), (289, 22017), (313, 22068), (317, 22074), (350, 22125), (360, 22134), (375, 22155), (379, 22164), (405, 22200), (416, 22221), (433, 22254), (441, 22275), (448, 22293), (451, 22299), (464, 22326), (472, 22338), (479, 22353), (503, 22407), (521, 22458), (523, 22464), (526, 22473), (528, 22479), (534, 22500), (545, 22533), (549, 22548), (554, 22557), (609, 22680), (628, 22719), (641, 22743), (646, 22755), (686, 22863), (690, 22869), (694, 22878), (696, 22884), (706, 22920), (734, 23007), (790, 23097), (800, 23121),

Gene: KingJulien_40 Start: 31269, Stop: 29878, Start Num: 186

Candidate Starts for KingJulien_40:

(48, 31557), (52, 31536), (Start: 186 @31269 has 151 MA's), (270, 31122), (Start: 274 @31116 has 1 MA's), (276, 31113), (297, 31053), (319, 30999), (335, 30972), (360, 30912), (376, 30885), (378, 30882), (427, 30786), (439, 30744), (514, 30573), (523, 30552), (583, 30417), (619, 30321), (669, 30204), (675, 30186), (698, 30120), (699, 30114), (704, 30102), (734, 30006), (759, 29952), (760, 29949), (771, 29925), (793, 29895),

Gene: Kinny_79 Start: 47912, Stop: 49159, Start Num: 159

Candidate Starts for Kinny_79:

(Start: 159 @47912 has 48 MA's), (196, 47990), (244, 48086), (279, 48140), (308, 48218), (385, 48383), (390, 48392), (452, 48545), (514, 48689), (749, 49064), (756, 49082),

Gene: Kittykat_25 Start: 20600, Stop: 21994, Start Num: 123

Candidate Starts for Kittykat_25:

(Start: 123 @20600 has 76 MA's), (158, 20657), (215, 20762), (217, 20765), (268, 20849), (289, 20882), (316, 20936), (317, 20939), (379, 21029), (405, 21065), (416, 21086), (433, 21119), (441, 21140), (503, 21272), (512, 21299), (526, 21338), (534, 21365), (545, 21398), (549, 21413), (554, 21422), (576, 21467), (593, 21503), (628, 21584), (641, 21608), (649, 21626), (655, 21638), (676, 21698), (682, 21722), (686, 21728), (689, 21731), (696, 21749), (697, 21752), (705, 21776), (706, 21785), (734, 21872), (765, 21923), (790, 21962),

Gene: Klimt_41 Start: 30834, Stop: 29413, Start Num: 186

Candidate Starts for Klimt_41:

(74, 31056), (Start: 186 @30834 has 151 MA's), (270, 30690), (Start: 274 @30684 has 1 MA's), (276, 30681), (319, 30567), (335, 30540), (360, 30480), (376, 30453), (378, 30450), (427, 30354), (439, 30312), (511, 30150), (514, 30141), (523, 30120), (534, 30093), (545, 30060), (549, 30045), (577, 29970), (583, 29952), (619, 29856), (648, 29793), (669, 29739), (698, 29655), (699, 29649), (704, 29637), (724, 29562), (734, 29541), (759, 29487), (760, 29484), (771, 29460),

Gene: Knox_41 Start: 31118, Stop: 29730, Start Num: 186

Candidate Starts for Knox_41:

(4, 31769), (50, 31415), (74, 31340), (Start: 186 @31118 has 151 MA's), (270, 30974), (Start: 274 @30968 has 1 MA's), (276, 30965), (319, 30851), (335, 30824), (360, 30764), (376, 30737), (378, 30734), (427, 30638), (439, 30596), (514, 30425), (523, 30404), (534, 30377), (549, 30329), (583, 30269), (648, 30110), (669, 30056), (698, 29972), (699, 29966), (704, 29954), (734, 29858), (759, 29804), (760, 29801), (771, 29777),

Gene: Koji_39 Start: 30726, Stop: 29332, Start Num: 186

Candidate Starts for Koji_39:

(98, 30885), (125, 30840), (139, 30810), (169, 30756), (Start: 177 @30738 has 2 MA's), (Start: 186 @30726 has 151 MA's), (Start: 192 @30720 has 23 MA's), (201, 30690), (270, 30582), (Start: 274 @30576 has 1 MA's), (276, 30573), (283, 30558), (360, 30372), (364, 30363), (378, 30342), (399, 30300), (427, 30246), (514, 30033), (523, 30012), (530, 29997), (534, 29985), (537, 29970), (552, 29934), (572, 29910), (583, 29874), (585, 29868), (619, 29775), (648, 29712), (659, 29685), (683, 29610), (687, 29604), (691, 29595), (697, 29580), (698, 29574), (699, 29568), (704, 29556), (749, 29433), (753, 29421), (794, 29346),

Gene: Korra_30 Start: 22105, Stop: 23505, Start Num: 123

Candidate Starts for Korra_30:

(Start: 123 @22105 has 76 MA's), (158, 22168), (215, 22273), (217, 22276), (268, 22360), (289, 22393), (313, 22444), (317, 22450), (375, 22531), (376, 22534), (379, 22540), (405, 22576), (414, 22594), (416, 22597), (433, 22630), (441, 22651), (464, 22702), (503, 22783), (512, 22810), (523, 22840), (526, 22849), (534, 22876), (545, 22909), (549, 22924), (576, 22978), (586, 22999), (592, 23011), (596, 23023), (649, 23137), (690, 23245), (694, 23254), (696, 23260), (706, 23296), (723, 23356), (734, 23383), (790, 23473),

Gene: Kors_42 Start: 26688, Stop: 28622, Start Num: 29

Candidate Starts for Kors_42:

(3, 26448), (Start: 12 @26592 has 1 MA's), (26, 26682), (Start: 29 @26688 has 6 MA's), (54, 26835), (59, 26853), (63, 26862), (135, 27012), (198, 27138), (249, 27228), (254, 27237), (293, 27312), (297, 27327), (311, 27369), (322, 27399), (393, 27531), (475, 27717), (483, 27735), (490, 27750), (511, 27807), (531, 27867), (556, 27939), (597, 28077), (624, 28143), (635, 28173), (666, 28251), (691, 28329), (707, 28389), (737, 28479), (749, 28497), (801, 28605),

Gene: Kouch_41 Start: 30803, Stop: 29415, Start Num: 186

Candidate Starts for Kouch_41:

(74, 31025), (Start: 186 @30803 has 151 MA's), (270, 30659), (Start: 274 @30653 has 1 MA's), (276, 30650), (319, 30536), (335, 30509), (360, 30449), (376, 30422), (378, 30419), (427, 30323), (439, 30281), (514, 30110), (523, 30089), (530, 30074), (549, 30014), (583, 29954), (619, 29858), (648, 29795), (669, 29741), (698, 29657), (699, 29651), (704, 29639), (734, 29543), (759, 29489), (760, 29486), (771, 29462),

Gene: Kradal_124 Start: 82180, Stop: 80537, Start Num: 79

Candidate Starts for Kradal_124:

(Start: 79 @82180 has 9 MA's), (88, 82156), (145, 82048), (199, 81943), (220, 81904), (248, 81853), (293, 81760), (314, 81700), (326, 81676), (328, 81673), (342, 81646), (395, 81553), (459, 81400), (470, 81376), (472, 81373), (487, 81340), (492, 81328), (516, 81256), (541, 81178), (560, 81133), (613, 80986), (637, 80941), (651, 80911), (662, 80881), (667, 80869), (689, 80803), (716, 80713), (717, 80710), (762, 80614), (765, 80608), (779, 80581),

Gene: Krampus_40 Start: 25943, Stop: 27850, Start Num: 27

Candidate Starts for Krampus_40:

(5, 25769), (Start: 27 @25943 has 36 MA's), (35, 26006), (41, 26027), (54, 26081), (127, 26243), (135, 26258), (156, 26303), (249, 26477), (254, 26486), (297, 26576), (311, 26618), (317, 26633), (410, 26819), (469, 26954), (475, 26966), (490, 26999), (534, 27128), (576, 27245), (601, 27320), (690, 27554), (691, 27557), (707, 27617), (737, 27707), (753, 27737), (771, 27779), (799, 27830),

Gene: Kureo_137 Start: 72086, Stop: 73330, Start Num: 159

Candidate Starts for Kureo_137:

(Start: 159 @72086 has 48 MA's), (174, 72125), (Start: 180 @72134 has 9 MA's), (244, 72260), (279, 72314), (371, 72527), (385, 72557), (419, 72626), (452, 72719), (509, 72842), (514, 72863), (517, 72872), (535, 72935), (538, 72941), (684, 73061), (690, 73067), (711, 73136), (725, 73187), (749,

73238), (756, 73256),

Gene: Kurt1_41 Start: 31114, Stop: 29726, Start Num: 186

Candidate Starts for Kurt1_41:

(4, 31765), (50, 31411), (74, 31336), (Start: 186 @31114 has 151 MA's), (270, 30970), (Start: 274 @30964 has 1 MA's), (276, 30961), (319, 30847), (335, 30820), (360, 30760), (376, 30733), (378, 30730), (427, 30634), (439, 30592), (511, 30430), (514, 30421), (523, 30400), (530, 30385), (534, 30373), (549, 30325), (583, 30265), (619, 30169), (648, 30106), (669, 30052), (698, 29968), (699, 29962), (704, 29950), (734, 29854), (759, 29800), (760, 29797), (771, 29773),

Gene: Labella_35 Start: 23381, Stop: 24808, Start Num: 126

Candidate Starts for Labella_35:

(102, 23339), (Start: 126 @23381 has 19 MA's), (300, 23699), (360, 23801), (389, 23846), (405, 23867), (519, 24134), (534, 24182), (539, 24203), (569, 24260), (578, 24293), (595, 24329), (630, 24407), (641, 24428), (675, 24509), (676, 24512), (706, 24599), (710, 24611), (721, 24650), (734, 24686), (745, 24704), (782, 24767),

Gene: Lakshmi_29 Start: 22120, Stop: 23511, Start Num: 123

Candidate Starts for Lakshmi_29:

(Start: 123 @22120 has 76 MA's), (173, 22207), (215, 22279), (217, 22282), (253, 22345), (254, 22348), (268, 22366), (271, 22372), (289, 22399), (317, 22456), (350, 22507), (359, 22513), (360, 22516), (379, 22546), (405, 22582), (414, 22600), (433, 22636), (441, 22657), (448, 22675), (464, 22708), (488, 22747), (503, 22789), (512, 22816), (521, 22840), (533, 22876), (534, 22882), (545, 22915), (549, 22930), (554, 22939), (576, 22984), (592, 23017), (593, 23020), (630, 23104), (641, 23125), (646, 23137), (655, 23155), (686, 23245), (696, 23266), (697, 23269), (705, 23293), (706, 23302), (734, 23389), (765, 23440), (790, 23479), (800, 23503),

Gene: Lauer_52 Start: 41675, Stop: 40197, Start Num: 143

Candidate Starts for Lauer_52:

(Start: 143 @41675 has 53 MA's), (179, 41612), (195, 41585), (Start: 204 @41558 has 1 MA's), (234, 41504), (244, 41483), (267, 41453), (310, 41348), (316, 41327), (348, 41261), (378, 41225), (403, 41171), (406, 41165), (409, 41159), (441, 41081), (447, 41066), (495, 40967), (522, 40892), (530, 40868), (534, 40856), (540, 40835), (546, 40820), (548, 40811), (559, 40790), (578, 40751), (581, 40742), (604, 40676), (635, 40604), (652, 40562), (653, 40559), (657, 40544), (691, 40448), (707, 40397), (716, 40367), (724, 40334), (752, 40277), (758, 40262),

Gene: LazerLemon_42 Start: 31529, Stop: 32923, Start Num: 132

Candidate Starts for LazerLemon_42:

(81, 31445), (Start: 132 @31529 has 13 MA's), (147, 31562), (172, 31607), (185, 31631), (205, 31661), (207, 31664), (215, 31676), (277, 31766), (292, 31790), (360, 31901), (409, 31976), (433, 32021), (453, 32072), (456, 32075), (462, 32096), (519, 32237), (528, 32264), (534, 32285), (539, 32306), (569, 32363), (576, 32390), (578, 32396), (582, 32405), (598, 32447), (628, 32513), (630, 32516), (641, 32537), (649, 32555), (656, 32573), (676, 32627), (706, 32714), (707, 32717), (721, 32765), (736, 32804), (745, 32819), (787, 32888), (798, 32906), (800, 32915),

Gene: Leaf_117 Start: 70672, Stop: 72663, Start Num: 9

Candidate Starts for Leaf_117:

(Start: 9 @70672 has 4 MA's), (11, 70705), (42, 70900), (44, 70906), (47, 70909), (51, 70939), (55, 70960), (60, 70972), (80, 71026), (92, 71053), (96, 71062), (139, 71116), (150, 71134), (151, 71137), (181, 71188), (203, 71230), (262, 71332), (340, 71494), (350, 71518), (367, 71542), (370, 71545), (397, 71587), (402, 71608), (414, 71632), (429, 71653), (435, 71674), (438, 71683), (481, 71779), (482, 71782), (488, 71794), (493, 71806), (502, 71833), (505, 71842), (508, 71845), (512, 71863), (531, 71917), (545, 71962), (560, 71998), (578, 72046), (608, 72124), (623, 72160), (628, 72175),

(630, 72178), (663, 72250), (676, 72292), (693, 72337), (698, 72358), (701, 72370), (704, 72382), (719, 72436), (744, 72496), (755, 72523), (774, 72568), (807, 72646),

Gene: Leafus_40 Start: 31402, Stop: 30011, Start Num: 186

Candidate Starts for Leafus_40:

(Start: 123 @31516 has 76 MA's), (169, 31432), (Start: 186 @31402 has 151 MA's), (270, 31255), (Start: 274 @31249 has 1 MA's), (276, 31246), (319, 31132), (335, 31105), (360, 31045), (376, 31018), (378, 31015), (427, 30919), (439, 30877), (514, 30706), (523, 30685), (534, 30658), (583, 30550), (619, 30454), (669, 30337), (675, 30319), (698, 30253), (699, 30247), (704, 30235), (734, 30139), (759, 30085), (760, 30082), (771, 30058), (793, 30028),

Gene: Leathea_79 Start: 45971, Stop: 47212, Start Num: 159

Candidate Starts for Leathea_79:

(Start: 159 @45971 has 48 MA's), (244, 46145), (279, 46199), (308, 46277), (385, 46442), (390, 46451), (452, 46604), (514, 46748), (749, 47123), (756, 47141), (792, 47201),

Gene: Lederberg_45 Start: 37131, Stop: 38507, Start Num: 186

Candidate Starts for Lederberg_45:

(Start: 186 @37131 has 151 MA's), (221, 37200), (231, 37218), (283, 37311), (303, 37371), (306, 37377), (307, 37380), (376, 37500), (387, 37518), (439, 37635), (498, 37773), (514, 37812), (525, 37845), (527, 37851), (532, 37866), (545, 37905), (578, 37965), (586, 37989), (605, 38025), (643, 38094), (645, 38100), (677, 38181), (708, 38277), (711, 38289), (715, 38301), (730, 38358), (734, 38364), (741, 38376), (754, 38406), (778, 38457),

Gene: LeeroyJenkins_95 Start: 51345, Stop: 49888, Start Num: 101

Candidate Starts for LeeroyJenkins_95:

(Start: 101 @51345 has 5 MA's), (104, 51342), (117, 51315), (175, 51201), (222, 51117), (248, 51069), (272, 51027), (287, 50991), (297, 50967), (331, 50895), (334, 50889), (340, 50877), (352, 50850), (364, 50829), (406, 50754), (416, 50736), (450, 50640), (455, 50631), (500, 50526), (512, 50496), (513, 50493), (515, 50487), (522, 50475), (523, 50472), (543, 50412), (546, 50403), (587, 50313), (626, 50259), (645, 50223), (683, 50142), (686, 50139), (690, 50136), (694, 50127), (715, 50049), (717, 50043), (751, 49965), (764, 49944), (778, 49917), (780, 49914),

Gene: Lewando_79 Start: 47409, Stop: 48656, Start Num: 159

Candidate Starts for Lewando_79:

(Start: 159 @47409 has 48 MA's), (196, 47487), (244, 47583), (279, 47637), (308, 47715), (342, 47790), (385, 47880), (390, 47889), (452, 48042), (491, 48117), (514, 48186), (749, 48561), (756, 48579), (792, 48645),

Gene: LibertyBell_74 Start: 46467, Stop: 47684, Start Num: 161

Candidate Starts for LibertyBell_74:

(Start: 161 @46467 has 143 MA's), (167, 46482), (Start: 180 @46512 has 9 MA's), (211, 46581), (252, 46599), (261, 46614), (306, 46710), (308, 46716), (317, 46746), (341, 46788), (355, 46821), (356, 46827), (385, 46881), (431, 46983), (452, 47043), (454, 47049), (477, 47088), (514, 47187), (531, 47238), (537, 47262), (555, 47307), (603, 47319), (665, 47325), (742, 47538), (784, 47631), (797, 47652),

Gene: Librie_40 Start: 29071, Stop: 27644, Start Num: 188

Candidate Starts for Librie_40:

(Start: 188 @29071 has 25 MA's), (199, 29041), (201, 29035), (Start: 274 @28921 has 1 MA's), (276, 28918), (376, 28681), (378, 28678), (493, 28423), (512, 28372), (514, 28366), (534, 28318), (545, 28285), (549, 28270), (575, 28198), (583, 28171), (586, 28162), (600, 28117), (602, 28111), (615, 28084), (648, 28012), (675, 27940), (687, 27904), (691, 27895), (697, 27880), (698, 27874), (704,

27856), (716, 27814), (739, 27751), (766, 27688), (771, 27679),

Gene: Lifes_86 Start: 48144, Stop: 46666, Start Num: 101

Candidate Starts for Lifes_86:

(Start: 101 @48144 has 5 MA's), (108, 48135), (Start: 123 @48114 has 76 MA's), (200, 47964), (246, 47880), (257, 47859), (340, 47685), (343, 47679), (373, 47625), (416, 47547), (449, 47454), (488, 47379), (503, 47337), (523, 47289), (533, 47259), (546, 47220), (554, 47199), (560, 47187), (615, 47082), (624, 47067), (632, 47055), (646, 47025), (676, 46953), (690, 46917), (705, 46869), (708, 46854), (713, 46836), (717, 46824), (726, 46791), (764, 46725), (770, 46713), (780, 46695), (790, 46683),

Gene: LilHuddy_77 Start: 48206, Stop: 49438, Start Num: 159

Candidate Starts for LilHuddy_77:

(Start: 159 @48206 has 48 MA's), (Start: 162 @48212 has 15 MA's), (Start: 180 @48251 has 9 MA's), (244, 48377), (308, 48509), (341, 48581), (371, 48644), (385, 48674), (421, 48746), (452, 48836), (454, 48842), (476, 48878), (514, 48980), (707, 49241), (720, 49286), (749, 49358),

Gene: LilStuart_25 Start: 20568, Stop: 21962, Start Num: 123

Candidate Starts for LilStuart_25:

(Start: 123 @20568 has 76 MA's), (158, 20625), (215, 20730), (217, 20733), (268, 20817), (289, 20850), (313, 20901), (317, 20907), (375, 20988), (376, 20991), (379, 20997), (405, 21033), (414, 21051), (416, 21054), (433, 21087), (441, 21108), (503, 21240), (512, 21267), (526, 21306), (533, 21327), (534, 21333), (545, 21366), (549, 21381), (554, 21390), (576, 21435), (593, 21471), (609, 21513), (641, 21576), (649, 21594), (686, 21696), (689, 21699), (696, 21717), (697, 21720), (705, 21744), (706, 21753), (734, 21840), (790, 21930), (800, 21954), (802, 21957),

Gene: LilTerminator_40 Start: 29093, Stop: 27666, Start Num: 188

Candidate Starts for LilTerminator_40:

(Start: 188 @29093 has 25 MA's), (199, 29063), (201, 29057), (Start: 274 @28943 has 1 MA's), (276, 28940), (278, 28937), (332, 28796), (376, 28703), (378, 28700), (493, 28445), (512, 28394), (514, 28388), (534, 28340), (535, 28328), (545, 28307), (583, 28193), (586, 28184), (600, 28139), (602, 28133), (615, 28106), (648, 28034), (675, 27962), (687, 27926), (691, 27917), (697, 27902), (698, 27896), (704, 27878), (716, 27836), (739, 27773), (771, 27701),

Gene: Linayshia_33 Start: 23433, Stop: 24860, Start Num: 126

Candidate Starts for Linayshia_33:

(99, 23391), (Start: 126 @23433 has 19 MA's), (316, 23790), (360, 23853), (389, 23898), (405, 23919), (519, 24186), (534, 24234), (539, 24255), (549, 24282), (568, 24309), (569, 24312), (576, 24339), (578, 24345), (595, 24381), (630, 24459), (641, 24480), (649, 24498), (655, 24510), (686, 24594), (706, 24651), (710, 24663), (721, 24702), (734, 24738), (738, 24744),

Gene: Linda_74 Start: 46139, Stop: 47368, Start Num: 161

Candidate Starts for Linda_74:

(Start: 161 @46139 has 143 MA's), (244, 46310), (308, 46442), (371, 46577), (385, 46607), (412, 46664), (452, 46769), (454, 46775), (474, 46808), (514, 46913), (677, 47093), (756, 47306), (775, 47351),

Gene: Litotes_29 Start: 22115, Stop: 23509, Start Num: 123

Candidate Starts for Litotes_29:

(Start: 123 @22115 has 76 MA's), (158, 22172), (215, 22277), (268, 22364), (316, 22451), (317, 22454), (379, 22544), (405, 22580), (409, 22589), (414, 22598), (441, 22655), (448, 22673), (464, 22706), (472, 22718), (503, 22787), (512, 22814), (521, 22838), (534, 22880), (545, 22913), (549, 22928), (554, 22937), (596, 23027), (625, 23096), (641, 23123), (649, 23141), (655, 23153), (686,

23243), (690, 23249), (694, 23258), (696, 23264), (706, 23300), (734, 23387), (765, 23438), (768, 23444), (790, 23477), (800, 23501),

Gene: Lizz_70 Start: 50158, Stop: 48272, Start Num: 23

Candidate Starts for Lizz_70:

(14, 50218), (Start: 23 @50158 has 8 MA's), (Start: 29 @50143 has 6 MA's), (35, 50080), (38, 50071), (41, 50059), (68, 49966), (93, 49903), (103, 49885), (135, 49828), (Start: 143 @49804 has 53 MA's), (227, 49645), (249, 49606), (254, 49597), (303, 49489), (357, 49381), (408, 49276), (448, 49177), (475, 49117), (510, 49030), (511, 49027), (545, 48922), (547, 48913), (553, 48901), (588, 48802), (644, 48685), (649, 48673), (657, 48646), (691, 48556), (697, 48541), (710, 48487), (725, 48430), (794, 48304),

Gene: LongHai_51 Start: 39283, Stop: 37772, Start Num: 123

Candidate Starts for LongHai_51:

(Start: 123 @39283 has 76 MA's), (145, 39247), (194, 39157), (195, 39154), (214, 39106), (257, 39037), (307, 38929), (380, 38794), (403, 38743), (406, 38737), (409, 38731), (425, 38707), (441, 38653), (508, 38512), (509, 38509), (526, 38452), (529, 38443), (548, 38380), (549, 38377), (633, 38182), (652, 38137), (687, 38032), (707, 37972), (711, 37957), (772, 37804), (788, 37783),

Gene: LordBart_42 Start: 26597, Stop: 28531, Start Num: 29

Candidate Starts for LordBart_42:

(3, 26357), (Start: 12 @26501 has 1 MA's), (26, 26591), (Start: 29 @26597 has 6 MA's), (54, 26744), (59, 26762), (135, 26921), (249, 27137), (254, 27146), (297, 27236), (311, 27278), (322, 27308), (393, 27440), (475, 27626), (483, 27644), (490, 27659), (511, 27716), (531, 27776), (556, 27848), (597, 27986), (624, 28052), (635, 28082), (636, 28085), (666, 28160), (691, 28238), (707, 28298), (737, 28388), (749, 28406),

Gene: Loretta_75 Start: 48327, Stop: 49514, Start Num: 180

Candidate Starts for Loretta_75:

(174, 48318), (Start: 180 @48327 has 9 MA's), (244, 48453), (342, 48660), (371, 48720), (385, 48750), (452, 48912), (476, 48954), (510, 49044), (514, 49056), (676, 49236), (707, 49317), (720, 49362), (749, 49434), (756, 49452),

Gene: Lovelyunicorn_41 Start: 31119, Stop: 29731, Start Num: 186

Candidate Starts for Lovelyunicorn_41:

(4, 31770), (50, 31416), (74, 31341), (Start: 186 @31119 has 151 MA's), (270, 30975), (Start: 274 @30969 has 1 MA's), (276, 30966), (319, 30852), (335, 30825), (360, 30765), (376, 30738), (378, 30735), (427, 30639), (439, 30597), (514, 30426), (523, 30405), (534, 30378), (549, 30330), (583, 30270), (648, 30111), (669, 30057), (698, 29973), (699, 29967), (704, 29955), (734, 29859), (759, 29805), (760, 29802), (771, 29778),

Gene: Lucky3_39 Start: 30647, Stop: 29256, Start Num: 186

Candidate Starts for Lucky3_39:

(Start: 186 @30647 has 151 MA's), (Start: 192 @30644 has 23 MA's), (201, 30614), (270, 30506), (276, 30497), (295, 30443), (332, 30362), (360, 30296), (378, 30266), (400, 30221), (427, 30170), (511, 29966), (514, 29957), (530, 29918), (534, 29906), (535, 29894), (537, 29891), (552, 29855), (556, 29846), (572, 29831), (583, 29795), (587, 29783), (590, 29771), (619, 29696), (648, 29636), (687, 29528), (691, 29519), (697, 29504), (698, 29498), (699, 29492), (794, 29270),

Gene: LuckyBarnes_64 Start: 49560, Stop: 48223, Start Num: 191

Candidate Starts for LuckyBarnes_64:

(Start: 121 @49698 has 1 MA's), (152, 49635), (Start: 191 @49560 has 1 MA's), (228, 49485), (231, 49479), (256, 49449), (284, 49401), (290, 49383), (306, 49344), (332, 49290), (383, 49221), (417,

49149), (444, 49083), (479, 49002), (514, 48915), (520, 48897), (522, 48891), (525, 48882), (549, 48807), (586, 48735), (627, 48648), (633, 48633), (643, 48609), (644, 48606), (645, 48603), (720, 48384), (730, 48345), (732, 48342), (753, 48300), (767, 48264),

Gene: Lucy_25 Start: 20556, Stop: 21950, Start Num: 123

Candidate Starts for Lucy_25:

(Start: 123 @20556 has 76 MA's), (158, 20613), (215, 20718), (217, 20721), (268, 20805), (289, 20838), (317, 20895), (375, 20976), (376, 20979), (379, 20985), (405, 21021), (414, 21039), (416, 21042), (433, 21075), (441, 21096), (464, 21147), (503, 21228), (512, 21255), (526, 21294), (533, 21315), (534, 21321), (545, 21354), (549, 21369), (569, 21396), (576, 21423), (593, 21459), (641, 21564), (649, 21582), (686, 21684), (689, 21687), (696, 21705), (697, 21708), (705, 21732), (706, 21741), (734, 21828), (765, 21879), (766, 21882), (790, 21918), (800, 21942),

Gene: LucySwiss_73 Start: 47512, Stop: 48744, Start Num: 159

Candidate Starts for LucySwiss_73:

(155, 47506), (Start: 159 @47512 has 48 MA's), (164, 47521), (174, 47551), (Start: 180 @47560 has 9 MA's), (218, 47638), (244, 47686), (308, 47818), (341, 47890), (371, 47953), (385, 47983), (419, 48052), (452, 48145), (454, 48151), (476, 48187), (514, 48289), (691, 48496), (707, 48547), (709, 48553), (711, 48562), (717, 48580), (720, 48592), (721, 48595), (749, 48664), (756, 48682),

Gene: Ludgate_41 Start: 31117, Stop: 29729, Start Num: 186

Candidate Starts for Ludgate_41:

(74, 31339), (Start: 186 @31117 has 151 MA's), (270, 30973), (Start: 274 @30967 has 1 MA's), (276, 30964), (319, 30850), (335, 30823), (360, 30763), (376, 30736), (378, 30733), (427, 30637), (439, 30595), (514, 30424), (523, 30403), (530, 30388), (534, 30376), (549, 30328), (583, 30268), (619, 30172), (648, 30109), (669, 30055), (698, 29971), (699, 29965), (704, 29953), (724, 29878), (734, 29857), (759, 29803), (760, 29800), (771, 29776),

Gene: Luna18_42 Start: 30536, Stop: 29130, Start Num: 188

Candidate Starts for Luna18_42:

(Start: 188 @30536 has 25 MA's), (199, 30506), (272, 30389), (Start: 274 @30386 has 1 MA's), (276, 30383), (297, 30323), (306, 30302), (319, 30260), (335, 30233), (376, 30146), (378, 30143), (399, 30101), (425, 30050), (493, 29888), (514, 29831), (535, 29771), (540, 29762), (545, 29750), (572, 29711), (580, 29684), (581, 29681), (583, 29675), (615, 29588), (622, 29576), (687, 29408), (691, 29399), (697, 29384), (698, 29378), (699, 29372), (704, 29360), (749, 29237), (758, 29213), (771, 29183),

Gene: Lupine_78 Start: 49414, Stop: 47891, Start Num: 129

Candidate Starts for Lupine_78:

(33, 49675), (42, 49633), (Start: 129 @49414 has 41 MA's), (182, 49303), (202, 49264), (207, 49255), (263, 49159), (285, 49117), (291, 49099), (310, 49045), (329, 49000), (387, 48895), (440, 48772), (455, 48736), (473, 48697), (499, 48631), (510, 48604), (516, 48586), (526, 48556), (545, 48496), (558, 48466), (562, 48454), (564, 48448), (690, 48139), (697, 48121), (707, 48079), (709, 48073), (714, 48055), (715, 48052),

Gene: Luthien_87 Start: 55097, Stop: 56311, Start Num: 161

Candidate Starts for Luthien_87:

(Start: 161 @55097 has 143 MA's), (164, 55103), (Start: 192 @55157 has 23 MA's), (196, 55172), (207, 55199), (209, 55202), (221, 55223), (252, 55265), (279, 55307), (291, 55340), (306, 55379), (341, 55457), (342, 55460), (371, 55520), (421, 55622), (431, 55652), (439, 55679), (448, 55703), (452, 55712), (470, 55742), (474, 55751), (476, 55754), (487, 55778), (489, 55784), (492, 55790), (500, 55817), (504, 55826), (510, 55844), (513, 55853), (514, 55856), (517, 55865), (532, 55910), (538, 55934), (547, 55958), (576, 55988), (604, 56003), (695, 56075), (725, 56183), (749, 56234),

(759, 56261), (773, 56294),

Gene: Lyell_84 Start: 49739, Stop: 48219, Start Num: 129

Candidate Starts for Lyell_84:

(111, 49772), (Start: 129 @49739 has 41 MA's), (Start: 143 @49706 has 53 MA's), (153, 49688), (207, 49580), (245, 49514), (283, 49448), (329, 49325), (336, 49310), (364, 49253), (386, 49220), (387, 49217), (420, 49154), (437, 49103), (440, 49094), (444, 49085), (457, 49055), (466, 49031), (486, 48992), (492, 48977), (510, 48926), (516, 48908), (558, 48788), (574, 48743), (697, 48449), (705, 48419), (717, 48374), (734, 48323), (771, 48260),

Gene: MAnor_58 Start: 41147, Stop: 39669, Start Num: 143

Candidate Starts for MAnor_58:

(122, 41174), (Start: 143 @41147 has 53 MA's), (179, 41084), (195, 41057), (Start: 204 @41030 has 1 MA's), (234, 40976), (244, 40955), (247, 40952), (257, 40940), (267, 40925), (Start: 274 @40913 has 1 MA's), (310, 40820), (378, 40697), (403, 40643), (406, 40637), (409, 40631), (441, 40553), (447, 40538), (495, 40439), (527, 40349), (530, 40340), (534, 40328), (540, 40307), (546, 40292), (548, 40283), (559, 40262), (578, 40223), (581, 40214), (586, 40199), (600, 40157), (633, 40079), (635, 40076), (652, 40034), (657, 40016), (691, 39920), (707, 39869), (716, 39839), (724, 39806), (752, 39749), (758, 39734),

Gene: MCubed_40 Start: 30968, Stop: 29556, Start Num: 192

Candidate Starts for MCubed_40:

(Start: 186 @30971 has 151 MA's), (Start: 192 @30968 has 23 MA's), (201, 30938), (Start: 204 @30932 has 1 MA's), (224, 30899), (319, 30707), (335, 30680), (360, 30620), (376, 30593), (378, 30590), (399, 30548), (427, 30494), (439, 30452), (493, 30338), (514, 30281), (523, 30260), (530, 30245), (534, 30233), (535, 30221), (537, 30218), (545, 30200), (572, 30119), (583, 30083), (600, 30029), (617, 29987), (633, 29957), (640, 29942), (644, 29933), (647, 29927), (666, 29885), (687, 29816), (697, 29792), (698, 29786), (699, 29780), (704, 29768), (734, 29672), (739, 29663), (749, 29645), (753, 29633), (756, 29627), (772, 29588),

Gene: MScarn_57 Start: 38763, Stop: 37285, Start Num: 143

Candidate Starts for MScarn_57:

(Start: 143 @38763 has 53 MA's), (193, 38676), (195, 38670), (216, 38619), (244, 38568), (257, 38553), (297, 38469), (307, 38445), (310, 38436), (378, 38313), (403, 38259), (406, 38253), (409, 38247), (441, 38169), (495, 38055), (508, 38028), (514, 38004), (540, 37923), (548, 37899), (559, 37878), (578, 37839), (584, 37821), (586, 37815), (631, 37704), (635, 37698), (652, 37656), (657, 37638), (687, 37551), (691, 37542), (698, 37521), (707, 37491), (716, 37461), (724, 37428), (753, 37368), (765, 37338),

Gene: MaVan_49 Start: 37938, Stop: 36448, Start Num: 143

Candidate Starts for MaVan_49:

(Start: 143 @37938 has 53 MA's), (195, 37848), (Start: 204 @37821 has 1 MA's), (228, 37779), (257, 37731), (Start: 274 @37704 has 1 MA's), (307, 37623), (308, 37620), (310, 37614), (316, 37593), (348, 37527), (403, 37437), (409, 37425), (436, 37362), (441, 37347), (447, 37332), (503, 37215), (508, 37206), (532, 37128), (540, 37101), (545, 37089), (548, 37077), (572, 37038), (578, 37017), (579, 37014), (584, 36999), (604, 36927), (633, 36858), (652, 36813), (668, 36768), (673, 36753), (681, 36723), (691, 36699), (707, 36648), (716, 36618), (741, 36552), (752, 36528), (765, 36495), (788, 36459),

Gene: Maco6_48 Start: 38222, Stop: 36711, Start Num: 123

Candidate Starts for Maco6_48:

(Start: 123 @38222 has 76 MA's), (145, 38186), (194, 38096), (195, 38093), (214, 38045), (257, 37976), (309, 37862), (380, 37733), (403, 37682), (406, 37676), (409, 37670), (425, 37646), (441,

37592), (508, 37451), (509, 37448), (526, 37391), (548, 37319), (549, 37316), (626, 37142), (633, 37121), (652, 37076), (687, 36971), (707, 36911), (772, 36743), (788, 36722),

Gene: Madamoto_80 Start: 49054, Stop: 50238, Start Num: 161

Candidate Starts for Madamoto_80:

(Start: 161 @49054 has 143 MA's), (Start: 180 @49099 has 9 MA's), (196, 49129), (306, 49294), (308, 49300), (385, 49474), (452, 49636), (474, 49675), (477, 49681), (514, 49780), (528, 49822), (532, 49834), (538, 49858), (547, 49882), (549, 49888), (603, 49912), (665, 49918), (707, 50032), (735, 50119), (742, 50131), (744, 50137), (756, 50167), (759, 50176),

Gene: Madvan_85 Start: 54003, Stop: 55217, Start Num: 161

Candidate Starts for Madvan_85:

(Start: 161 @54003 has 143 MA's), (164, 54009), (Start: 192 @54063 has 23 MA's), (193, 54066), (196, 54078), (218, 54126), (221, 54129), (252, 54171), (279, 54213), (291, 54246), (306, 54285), (341, 54363), (342, 54366), (371, 54426), (421, 54528), (431, 54558), (434, 54570), (448, 54609), (452, 54618), (470, 54648), (474, 54657), (476, 54660), (487, 54684), (492, 54696), (500, 54723), (504, 54732), (510, 54750), (513, 54759), (514, 54762), (517, 54771), (532, 54816), (538, 54840), (547, 54864), (604, 54909), (684, 54963), (690, 54969), (695, 54981), (725, 55089), (749, 55140), (759, 55167), (773, 55200),

Gene: MaeLinda_41 Start: 31118, Stop: 29730, Start Num: 186

Candidate Starts for MaeLinda_41:

(50, 31415), (74, 31340), (Start: 186 @31118 has 151 MA's), (270, 30974), (Start: 274 @30968 has 1 MA's), (276, 30965), (319, 30851), (335, 30824), (360, 30764), (376, 30737), (378, 30734), (383, 30728), (427, 30638), (439, 30596), (514, 30425), (530, 30389), (534, 30377), (545, 30344), (549, 30329), (583, 30269), (648, 30110), (669, 30056), (698, 29972), (699, 29966), (704, 29954), (734, 29858), (759, 29804), (760, 29801), (771, 29777),

Gene: Magel_88 Start: 53566, Stop: 54786, Start Num: 161

Candidate Starts for Magel_88:

(Start: 161 @53566 has 143 MA's), (Start: 192 @53626 has 23 MA's), (193, 53629), (207, 53668), (221, 53692), (252, 53734), (279, 53776), (291, 53809), (306, 53848), (308, 53854), (330, 53905), (341, 53926), (371, 53989), (421, 54091), (431, 54121), (436, 54139), (448, 54172), (452, 54181), (487, 54247), (491, 54256), (492, 54259), (504, 54295), (509, 54304), (510, 54313), (514, 54325), (531, 54376), (532, 54379), (547, 54430), (551, 54439), (676, 54508), (695, 54547), (725, 54655), (742, 54688), (749, 54706), (759, 54733),

Gene: Magritte_46 Start: 45422, Stop: 47152, Start Num: 114

Candidate Starts for Magritte_46:

(Start: 114 @45422 has 1 MA's), (125, 45440), (216, 45632), (269, 45725), (287, 45767), (298, 45797), (310, 45827), (313, 45839), (337, 45893), (338, 45896), (378, 45992), (391, 46013), (407, 46055), (428, 46097), (448, 46160), (472, 46226), (486, 46256), (508, 46313), (569, 46502), (578, 46535), (604, 46631), (607, 46637), (616, 46658), (662, 46763), (666, 46769), (704, 46904), (712, 46937), (727, 46994), (758, 47063),

Gene: MajinBuu_87 Start: 55364, Stop: 56578, Start Num: 161

Candidate Starts for MajinBuu_87:

(Start: 161 @55364 has 143 MA's), (164, 55370), (Start: 192 @55424 has 23 MA's), (193, 55427), (196, 55439), (207, 55466), (209, 55469), (221, 55490), (252, 55532), (279, 55574), (291, 55607), (341, 55724), (342, 55727), (371, 55787), (421, 55889), (431, 55919), (448, 55970), (452, 55979), (474, 56018), (476, 56021), (487, 56045), (489, 56051), (492, 56057), (504, 56093), (510, 56111), (513, 56120), (514, 56123), (517, 56132), (531, 56174), (538, 56201), (547, 56225), (576, 56255), (695, 56342), (749, 56501), (759, 56528),

Gene: Makai_75 Start: 48472, Stop: 49704, Start Num: 159

Candidate Starts for Makai_75:

(Start: 159 @48472 has 48 MA's), (Start: 162 @48478 has 15 MA's), (166, 48484), (Start: 180 @48517 has 9 MA's), (241, 48634), (244, 48643), (308, 48775), (341, 48847), (371, 48910), (385, 48940), (434, 49054), (452, 49102), (454, 49108), (476, 49144), (514, 49246), (707, 49507), (717, 49540), (720, 49552), (721, 49555), (749, 49624),

Gene: Makoto_25 Start: 20576, Stop: 21970, Start Num: 123

Candidate Starts for Makoto_25:

(Start: 123 @20576 has 76 MA's), (158, 20633), (215, 20738), (268, 20825), (289, 20858), (317, 20915), (350, 20966), (375, 20996), (376, 20999), (379, 21005), (405, 21041), (414, 21059), (416, 21062), (433, 21095), (441, 21116), (503, 21248), (512, 21275), (526, 21314), (533, 21335), (534, 21341), (545, 21374), (549, 21389), (554, 21398), (576, 21443), (593, 21479), (609, 21521), (641, 21584), (649, 21602), (686, 21704), (689, 21707), (696, 21725), (697, 21728), (705, 21752), (706, 21761), (734, 21848), (790, 21938), (800, 21962),

Gene: Malvina_51 Start: 37812, Stop: 36322, Start Num: 143

Candidate Starts for Malvina_51:

(Start: 143 @37812 has 53 MA's), (168, 37770), (193, 37728), (195, 37722), (Start: 204 @37695 has 1 MA's), (234, 37641), (257, 37605), (Start: 274 @37578 has 1 MA's), (307, 37497), (308, 37494), (310, 37488), (316, 37467), (323, 37452), (348, 37401), (378, 37365), (383, 37359), (394, 37341), (403, 37311), (406, 37305), (409, 37299), (441, 37221), (508, 37080), (532, 37002), (545, 36963), (549, 36948), (572, 36912), (578, 36891), (579, 36888), (584, 36873), (591, 36846), (604, 36801), (633, 36732), (652, 36687), (653, 36684), (668, 36642), (673, 36627), (687, 36582), (689, 36579), (691, 36573), (707, 36522), (716, 36492), (752, 36402), (765, 36369), (788, 36333),

Gene: MamaPearl_26 Start: 21743, Stop: 23140, Start Num: 123

Candidate Starts for MamaPearl_26:

(Start: 123 @21743 has 76 MA's), (158, 21803), (215, 21908), (217, 21911), (268, 21995), (289, 22028), (313, 22079), (317, 22085), (375, 22166), (379, 22175), (405, 22211), (414, 22229), (416, 22232), (433, 22265), (441, 22286), (503, 22418), (523, 22475), (526, 22484), (533, 22505), (534, 22511), (545, 22544), (549, 22559), (578, 22619), (593, 22649), (628, 22730), (649, 22772), (665, 22805), (682, 22868), (689, 22877), (694, 22889), (696, 22895), (699, 22910), (705, 22922), (706, 22931), (734, 23018), (768, 23075), (790, 23108),

Gene: ManRay_40 Start: 30816, Stop: 29428, Start Num: 186

Candidate Starts for ManRay_40:

(74, 31038), (Start: 186 @30816 has 151 MA's), (270, 30672), (Start: 274 @30666 has 1 MA's), (276, 30663), (319, 30549), (335, 30522), (360, 30462), (376, 30435), (378, 30432), (427, 30336), (439, 30294), (514, 30123), (523, 30102), (530, 30087), (549, 30027), (583, 29967), (619, 29871), (648, 29808), (669, 29754), (698, 29670), (699, 29664), (704, 29652), (734, 29556), (759, 29502), (760, 29499), (771, 29475),

Gene: Mandalorian_39 Start: 30635, Stop: 29223, Start Num: 192

Candidate Starts for Mandalorian_39:

(Start: 186 @30638 has 151 MA's), (Start: 192 @30635 has 23 MA's), (201, 30605), (Start: 204 @30599 has 1 MA's), (Start: 274 @30491 has 1 MA's), (278, 30485), (319, 30374), (335, 30347), (357, 30296), (360, 30287), (376, 30260), (378, 30257), (399, 30215), (427, 30161), (493, 30005), (512, 29954), (514, 29948), (523, 29927), (527, 29921), (530, 29912), (534, 29900), (535, 29888), (565, 29810), (583, 29750), (585, 29744), (600, 29696), (617, 29654), (648, 29591), (654, 29579), (664, 29555), (666, 29552), (687, 29483), (691, 29474), (697, 29459), (698, 29453), (699, 29447), (704, 29435), (739, 29330), (749, 29312), (753, 29300), (772, 29255),

Gene: Mardi_77 Start: 46514, Stop: 47761, Start Num: 159

Candidate Starts for Mardi_77:

(Start: 159 @46514 has 48 MA's), (Start: 239 @46676 has 1 MA's), (244, 46688), (279, 46742), (308, 46820), (342, 46895), (385, 46985), (390, 46994), (452, 47147), (491, 47222), (514, 47291), (731, 47630), (749, 47666), (756, 47684),

Gene: Margaret_58 Start: 39745, Stop: 38270, Start Num: 146

Candidate Starts for Margaret_58:

(Start: 146 @39745 has 11 MA's), (168, 39703), (195, 39655), (Start: 204 @39628 has 1 MA's), (221, 39598), (234, 39574), (244, 39553), (250, 39544), (257, 39538), (Start: 274 @39511 has 1 MA's), (297, 39454), (301, 39445), (308, 39427), (310, 39421), (378, 39298), (403, 39244), (406, 39238), (409, 39232), (436, 39169), (441, 39154), (447, 39139), (527, 38950), (530, 38941), (534, 38929), (540, 38908), (556, 38869), (560, 38860), (578, 38824), (584, 38806), (586, 38800), (601, 38755), (604, 38749), (633, 38680), (653, 38632), (657, 38617), (668, 38590), (673, 38575), (691, 38521), (707, 38470), (724, 38407), (749, 38359), (753, 38347), (757, 38338),

Gene: Maria1952_26 Start: 21732, Stop: 23129, Start Num: 123

Candidate Starts for Maria1952_26:

(Start: 123 @21732 has 76 MA's), (158, 21792), (Start: 204 @21879 has 1 MA's), (215, 21897), (217, 21900), (268, 21984), (271, 21990), (289, 22017), (313, 22068), (317, 22074), (350, 22125), (360, 22134), (375, 22155), (379, 22164), (405, 22200), (416, 22221), (433, 22254), (441, 22275), (448, 22293), (451, 22299), (464, 22326), (472, 22338), (479, 22353), (503, 22407), (521, 22458), (523, 22464), (526, 22473), (528, 22479), (534, 22500), (545, 22533), (549, 22548), (554, 22557), (609, 22680), (628, 22719), (641, 22743), (646, 22755), (686, 22863), (690, 22869), (694, 22878), (696, 22884), (706, 22920), (734, 23007), (790, 23097), (800, 23121),

Gene: Marianna39_137 Start: 72495, Stop: 73739, Start Num: 159

Candidate Starts for Marianna39_137:

(Start: 159 @72495 has 48 MA's), (174, 72534), (Start: 180 @72543 has 9 MA's), (244, 72669), (279, 72723), (371, 72936), (385, 72966), (398, 72987), (419, 73035), (431, 73068), (449, 73122), (452, 73128), (509, 73251), (514, 73272), (517, 73281), (535, 73344), (684, 73470), (690, 73476), (711, 73545), (725, 73596), (749, 73647), (756, 73665),

Gene: Marky_44 Start: 31624, Stop: 33015, Start Num: 134

Candidate Starts for Marky_44:

(116, 31615), (Start: 134 @31624 has 3 MA's), (138, 31630), (172, 31699), (185, 31723), (215, 31768), (279, 31861), (313, 31927), (389, 32038), (409, 32068), (411, 32071), (465, 32194), (519, 32329), (528, 32356), (534, 32377), (539, 32398), (545, 32410), (598, 32539), (630, 32608), (641, 32629), (649, 32647), (656, 32665), (676, 32719), (686, 32749), (706, 32806), (707, 32809), (721, 32857), (758, 32926), (787, 32980), (798, 32998),

Gene: Martin_42 Start: 31123, Stop: 29735, Start Num: 186

Candidate Starts for Martin_42:

(4, 31774), (50, 31420), (74, 31345), (Start: 186 @31123 has 151 MA's), (270, 30979), (Start: 274 @30973 has 1 MA's), (276, 30970), (319, 30856), (335, 30829), (360, 30769), (376, 30742), (378, 30739), (427, 30643), (439, 30601), (511, 30439), (514, 30430), (523, 30409), (530, 30394), (534, 30382), (549, 30334), (583, 30274), (619, 30178), (648, 30115), (669, 30061), (698, 29977), (699, 29971), (704, 29959), (734, 29863), (759, 29809), (760, 29806), (771, 29782),

Gene: Maya_81 Start: 49394, Stop: 50578, Start Num: 161

Candidate Starts for Maya_81:

(Start: 161 @49394 has 143 MA's), (Start: 180 @49439 has 9 MA's), (196, 49469), (308, 49640), (341, 49712), (356, 49751), (385, 49814), (452, 49976), (474, 50015), (477, 50021), (489, 50048), (514, 50120), (532, 50174), (538, 50198), (547, 50222), (549, 50228), (603, 50252), (665, 50258), (707, 50372), (742, 50471), (744, 50477), (756, 50507), (759, 50516), (791, 50570),

Gene: Mayweather_61 Start: 41658, Stop: 40414, Start Num: 274

Candidate Starts for Mayweather_61:

(Start: 143 @41892 has 53 MA's), (179, 41829), (195, 41802), (Start: 204 @41775 has 1 MA's), (234, 41721), (244, 41700), (247, 41697), (257, 41685), (267, 41670), (Start: 274 @41658 has 1 MA's), (310, 41565), (378, 41442), (403, 41388), (406, 41382), (409, 41376), (441, 41298), (447, 41283), (495, 41184), (527, 41094), (530, 41085), (534, 41073), (540, 41052), (546, 41037), (548, 41028), (559, 41007), (578, 40968), (581, 40959), (586, 40944), (600, 40902), (633, 40824), (635, 40821), (652, 40779), (657, 40761), (691, 40665), (707, 40614), (716, 40584), (724, 40551), (752, 40494), (758, 40479),

Gene: McDazzle_58 Start: 40821, Stop: 39343, Start Num: 143

Candidate Starts for McDazzle_58:

(87, 40902), (122, 40848), (Start: 143 @40821 has 53 MA's), (179, 40758), (193, 40737), (195, 40731), (Start: 204 @40704 has 1 MA's), (234, 40650), (244, 40629), (257, 40614), (267, 40599), (301, 40518), (310, 40494), (348, 40407), (378, 40371), (403, 40317), (406, 40311), (409, 40305), (441, 40227), (447, 40212), (492, 40122), (495, 40113), (508, 40086), (527, 40023), (530, 40014), (534, 40002), (540, 39981), (546, 39966), (548, 39957), (559, 39936), (578, 39897), (581, 39888), (586, 39873), (600, 39831), (613, 39801), (633, 39753), (635, 39750), (652, 39708), (657, 39690), (691, 39594), (707, 39543), (716, 39513), (724, 39480), (752, 39423), (758, 39408),

Gene: McGalleon_43 Start: 32555, Stop: 31152, Start Num: 188

Candidate Starts for McGalleon_43:

(66, 32789), (85, 32738), (Start: 134 @32648 has 3 MA's), (Start: 188 @32555 has 25 MA's), (270, 32411), (Start: 274 @32405 has 1 MA's), (297, 32342), (319, 32288), (335, 32261), (360, 32201), (376, 32174), (378, 32171), (426, 32078), (427, 32075), (439, 32033), (511, 31871), (514, 31862), (523, 31841), (534, 31814), (552, 31763), (583, 31706), (600, 31652), (619, 31610), (640, 31565), (690, 31433), (698, 31409), (699, 31403), (704, 31391), (734, 31295), (749, 31268), (759, 31241), (771, 31214), (794, 31184),

Gene: MediumFry_71 Start: 47706, Stop: 48941, Start Num: 159

Candidate Starts for MediumFry_71:

(Start: 159 @47706 has 48 MA's), (Start: 180 @47754 has 9 MA's), (342, 48087), (371, 48147), (373, 48150), (385, 48177), (438, 48303), (452, 48339), (454, 48345), (476, 48381), (514, 48483), (707, 48744), (720, 48789), (721, 48792), (749, 48861),

Gene: MeganNoll_29 Start: 22157, Stop: 23557, Start Num: 123

Candidate Starts for MeganNoll_29:

(Start: 123 @22157 has 76 MA's), (158, 22220), (215, 22325), (217, 22328), (268, 22412), (289, 22445), (313, 22496), (317, 22502), (375, 22583), (376, 22586), (379, 22592), (405, 22628), (414, 22646), (416, 22649), (441, 22703), (464, 22754), (503, 22835), (512, 22862), (523, 22892), (526, 22901), (534, 22928), (545, 22961), (549, 22976), (576, 23030), (586, 23051), (592, 23063), (596, 23075), (690, 23297), (694, 23306), (696, 23312), (706, 23348), (723, 23408), (734, 23435), (790, 23525),

Gene: Meibysrarus_79 Start: 48778, Stop: 49962, Start Num: 161

Candidate Starts for Meibysrarus_79:

(Start: 161 @48778 has 143 MA's), (Start: 180 @48823 has 9 MA's), (196, 48853), (308, 49024), (341, 49096), (356, 49135), (385, 49198), (452, 49360), (474, 49399), (477, 49405), (489, 49432), (514,

49504), (532, 49558), (538, 49582), (547, 49606), (549, 49612), (603, 49636), (665, 49642), (707, 49756), (742, 49855), (744, 49861), (756, 49891), (759, 49900), (791, 49954),

Gene: Mema_60 Start: 45608, Stop: 46804, Start Num: 180

Candidate Starts for Mema_60:

(Start: 161 @45563 has 143 MA's), (Start: 180 @45608 has 9 MA's), (196, 45638), (214, 45680), (233, 45710), (237, 45716), (244, 45731), (252, 45743), (258, 45752), (291, 45818), (303, 45845), (306, 45851), (371, 45992), (373, 45995), (385, 46022), (419, 46091), (431, 46124), (448, 46175), (452, 46184), (509, 46307), (513, 46325), (529, 46373), (538, 46406), (576, 46460), (742, 46685), (760, 46733),

Gene: Mercedes_36 Start: 28234, Stop: 26813, Start Num: 188

Candidate Starts for Mercedes_36:

(Start: 188 @28234 has 25 MA's), (201, 28198), (254, 28114), (295, 28027), (297, 28021), (325, 27949), (332, 27937), (376, 27844), (378, 27841), (402, 27790), (493, 27586), (514, 27529), (534, 27481), (545, 27448), (552, 27430), (583, 27334), (586, 27325), (600, 27280), (602, 27274), (619, 27238), (640, 27193), (648, 27175), (687, 27067), (691, 27058), (697, 27043), (698, 27037), (758, 26872),

Gene: Merida02_43 Start: 31117, Stop: 29729, Start Num: 186

Candidate Starts for Merida02_43:

(74, 31339), (Start: 186 @31117 has 151 MA's), (270, 30973), (Start: 274 @30967 has 1 MA's), (276, 30964), (319, 30850), (335, 30823), (360, 30763), (376, 30736), (378, 30733), (383, 30727), (427, 30637), (439, 30595), (514, 30424), (530, 30388), (534, 30376), (545, 30343), (549, 30328), (583, 30268), (619, 30172), (648, 30109), (669, 30055), (698, 29971), (699, 29965), (704, 29953), (734, 29857), (759, 29803), (760, 29800), (771, 29776),

Gene: Michelle_74 Start: 46144, Stop: 47382, Start Num: 161

Candidate Starts for Michelle_74:

(Start: 161 @46144 has 143 MA's), (244, 46315), (308, 46447), (371, 46582), (385, 46612), (412, 46669), (452, 46774), (454, 46780), (474, 46813), (514, 46918), (678, 47107), (756, 47320), (775, 47365),

Gene: Microdon_41 Start: 30843, Stop: 32237, Start Num: 132

Candidate Starts for Microdon_41:

(Start: 132 @30843 has 13 MA's), (Start: 134 @30846 has 3 MA's), (172, 30921), (185, 30945), (189, 30951), (205, 30975), (215, 30990), (217, 30993), (260, 31065), (277, 31080), (295, 31116), (360, 31215), (465, 31416), (519, 31551), (528, 31578), (534, 31599), (569, 31677), (578, 31710), (582, 31719), (598, 31761), (628, 31827), (630, 31830), (641, 31851), (649, 31869), (656, 31887), (676, 31941), (686, 31971), (706, 32028), (707, 32031), (721, 32079), (736, 32118), (745, 32133), (787, 32202), (798, 32220), (800, 32229),

Gene: Miek_83 Start: 49805, Stop: 50995, Start Num: 161

Candidate Starts for Miek_83:

(Start: 161 @49805 has 143 MA's), (209, 49910), (279, 49979), (342, 50132), (349, 50150), (395, 50237), (419, 50291), (452, 50384), (468, 50411), (517, 50537), (535, 50600), (547, 50630), (555, 50648), (711, 50795), (733, 50864), (742, 50879), (748, 50894), (754, 50912), (756, 50915), (759, 50924),

Gene: Milani_33 Start: 22173, Stop: 23600, Start Num: 124

Candidate Starts for Milani_33:

(Start: 124 @22173 has 2 MA's), (313, 22527), (316, 22530), (335, 22551), (389, 22638), (534, 22974), (539, 22995), (549, 23022), (568, 23049), (569, 23052), (578, 23085), (595, 23121), (628, 23196),

(641, 23220), (668, 23283), (676, 23304), (697, 23358), (706, 23391), (710, 23403), (721, 23442), (734, 23478), (738, 23484), (745, 23496), (758, 23511), (782, 23559), (790, 23568), (800, 23592),

Gene: MillyPhilly_41 Start: 31111, Stop: 29723, Start Num: 186

Candidate Starts for MillyPhilly_41:

(4, 31762), (50, 31408), (74, 31333), (Start: 186 @31111 has 151 MA's), (270, 30967), (Start: 274 @30961 has 1 MA's), (276, 30958), (319, 30844), (335, 30817), (360, 30757), (376, 30730), (378, 30727), (427, 30631), (439, 30589), (511, 30427), (514, 30418), (523, 30397), (530, 30382), (534, 30370), (549, 30322), (583, 30262), (619, 30166), (648, 30103), (669, 30049), (698, 29965), (699, 29959), (704, 29947), (734, 29851), (759, 29797), (760, 29794), (771, 29770),

Gene: MiniBagel_73 Start: 48476, Stop: 49726, Start Num: 159

Candidate Starts for MiniBagel_73:

(155, 48470), (Start: 159 @48476 has 48 MA's), (164, 48485), (174, 48515), (Start: 180 @48524 has 9 MA's), (218, 48602), (244, 48650), (Start: 255 @48668 has 1 MA's), (308, 48782), (341, 48854), (371, 48917), (385, 48947), (419, 49016), (452, 49109), (454, 49115), (476, 49151), (514, 49253), (676, 49430), (707, 49511), (717, 49544), (720, 49556), (721, 49559), (749, 49628), (756, 49646),

Gene: MiniVolent_38 Start: 30515, Stop: 29145, Start Num: 192

Candidate Starts for MiniVolent_38:

(Start: 186 @30518 has 151 MA's), (Start: 192 @30515 has 23 MA's), (Start: 243 @30413 has 1 MA's), (319, 30254), (335, 30227), (360, 30167), (376, 30140), (378, 30137), (418, 30056), (427, 30041), (514, 29828), (523, 29807), (527, 29801), (530, 29792), (535, 29768), (545, 29747), (549, 29732), (572, 29708), (583, 29672), (600, 29618), (648, 29513), (654, 29501), (666, 29474), (675, 29441), (687, 29405), (691, 29396), (697, 29381), (698, 29375), (699, 29369), (704, 29357), (734, 29261), (739, 29252), (749, 29234), (753, 29222), (771, 29180), (789, 29153),

Gene: Misaeng_29 Start: 22230, Stop: 23621, Start Num: 123

Candidate Starts for Misaeng_29:

(Start: 123 @22230 has 76 MA's), (173, 22317), (215, 22389), (217, 22392), (254, 22458), (268, 22476), (289, 22509), (317, 22566), (375, 22647), (379, 22656), (405, 22692), (414, 22710), (433, 22746), (441, 22767), (448, 22785), (464, 22818), (503, 22899), (512, 22926), (521, 22950), (533, 22986), (534, 22992), (545, 23025), (549, 23040), (554, 23049), (576, 23094), (592, 23127), (593, 23130), (630, 23214), (646, 23247), (649, 23253), (655, 23265), (686, 23355), (690, 23361), (696, 23376), (697, 23379), (699, 23391), (705, 23403), (706, 23412), (734, 23499), (790, 23589),

Gene: Mistmere_78 Start: 48079, Stop: 46562, Start Num: 129

Candidate Starts for Mistmere_78:

(57, 48235), (122, 48091), (Start: 129 @48079 has 41 MA's), (182, 47968), (202, 47929), (207, 47920), (280, 47797), (285, 47782), (310, 47710), (339, 47644), (351, 47617), (386, 47560), (387, 47557), (420, 47494), (440, 47434), (486, 47332), (510, 47266), (562, 47116), (574, 47083), (577, 47071), (626, 46945), (649, 46900), (686, 46813), (690, 46807), (697, 46789), (717, 46714), (740, 46657),

Gene: Moki_25 Start: 20566, Stop: 21960, Start Num: 123

Candidate Starts for Moki_25:

(Start: 123 @20566 has 76 MA's), (158, 20623), (215, 20728), (268, 20815), (289, 20848), (316, 20902), (317, 20905), (379, 20995), (405, 21031), (414, 21049), (416, 21052), (441, 21106), (503, 21238), (512, 21265), (523, 21295), (526, 21304), (534, 21331), (545, 21364), (549, 21379), (569, 21406), (576, 21433), (593, 21469), (609, 21511), (641, 21574), (649, 21592), (676, 21664), (682, 21688), (686, 21694), (689, 21697), (696, 21715), (697, 21718), (705, 21742), (706, 21751), (734, 21838), (765, 21889), (790, 21928),

Gene: Molivia_74 Start: 46115, Stop: 44718, Start Num: 129

Candidate Starts for Molivia_74:

(Start: 129 @46115 has 41 MA's), (154, 46064), (181, 46013), (182, 46010), (194, 45992), (201, 45974), (212, 45953), (285, 45830), (347, 45692), (424, 45551), (437, 45509), (445, 45488), (489, 45395), (515, 45338), (531, 45323), (540, 45293), (553, 45260), (594, 45185), (626, 45137), (641, 45110), (645, 45101), (651, 45089), (690, 44987), (702, 44948), (705, 44939), (758, 44807), (779, 44762), (796, 44738),

Gene: MonChoix_39 Start: 31157, Stop: 29766, Start Num: 186

Candidate Starts for MonChoix_39:

(Start: 186 @31157 has 151 MA's), (270, 31010), (Start: 274 @31004 has 1 MA's), (276, 31001), (319, 30887), (335, 30860), (360, 30800), (376, 30773), (378, 30770), (427, 30674), (439, 30632), (514, 30461), (527, 30434), (549, 30365), (583, 30305), (669, 30092), (675, 30074), (687, 30038), (698, 30008), (699, 30002), (704, 29990), (734, 29894), (759, 29840), (760, 29837),

Gene: Monse_53 Start: 37349, Stop: 38521, Start Num: 162

Candidate Starts for Monse_53:

(Start: 162 @37349 has 15 MA's), (174, 37382), (Start: 180 @37391 has 9 MA's), (207, 37448), (286, 37541), (342, 37670), (368, 37727), (385, 37760), (390, 37769), (419, 37829), (449, 37916), (452, 37922), (464, 37943), (477, 37967), (499, 38024), (509, 38045), (514, 38066), (525, 38099), (528, 38108), (691, 38267), (742, 38417), (744, 38423), (754, 38450), (756, 38453),

Gene: Mooshroom_81 Start: 46338, Stop: 47648, Start Num: 161

Candidate Starts for Mooshroom_81:

(Start: 161 @46338 has 143 MA's), (371, 46776), (373, 46779), (385, 46806), (434, 46920), (452, 46968), (470, 46998), (491, 47043), (492, 47046), (510, 47100), (512, 47106), (513, 47109), (514, 47112), (518, 47124), (535, 47184), (538, 47190), (684, 47310), (744, 47475), (773, 47547), (797, 47583),

Gene: Moozy_53 Start: 37368, Stop: 38540, Start Num: 162

Candidate Starts for Moozy_53:

(Start: 162 @37368 has 15 MA's), (174, 37401), (Start: 180 @37410 has 9 MA's), (207, 37467), (286, 37560), (291, 37572), (342, 37689), (385, 37779), (412, 37836), (419, 37848), (449, 37935), (452, 37941), (464, 37962), (477, 37986), (485, 38001), (504, 38055), (509, 38064), (514, 38085), (515, 38088), (528, 38127), (691, 38286), (711, 38352), (717, 38370), (742, 38436), (744, 38442), (750, 38457),

Gene: Morrigan_42 Start: 30540, Stop: 29155, Start Num: 190

Candidate Starts for Morrigan_42:

(Start: 188 @30543 has 25 MA's), (Start: 190 @30540 has 1 MA's), (199, 30513), (Start: 204 @30501 has 1 MA's), (205, 30498), (Start: 243 @30435 has 1 MA's), (297, 30330), (315, 30279), (319, 30267), (376, 30153), (378, 30150), (399, 30108), (425, 30057), (514, 29838), (534, 29790), (535, 29778), (537, 29775), (540, 29769), (545, 29757), (572, 29718), (583, 29682), (587, 29670), (600, 29628), (615, 29595), (619, 29586), (622, 29583), (648, 29523), (687, 29415), (691, 29406), (697, 29391), (698, 29385), (699, 29379), (704, 29367), (739, 29262), (749, 29244), (758, 29220), (771, 29190),

Gene: MortySmith_38 Start: 24974, Stop: 26881, Start Num: 27

Candidate Starts for MortySmith_38:

(5, 24800), (Start: 27 @24974 has 36 MA's), (35, 25037), (41, 25058), (54, 25112), (112, 25247), (135, 25289), (156, 25334), (249, 25508), (254, 25517), (297, 25607), (311, 25649), (317, 25664), (410, 25850), (469, 25985), (475, 25997), (490, 26030), (534, 26159), (576, 26276), (690, 26585), (691, 26588), (707, 26648), (737, 26738), (753, 26768), (771, 26810), (799, 26861),

Gene: Mossy_85 Start: 55062, Stop: 56279, Start Num: 161

Candidate Starts for Mossy_85:

(Start: 161 @55062 has 143 MA's), (164, 55068), (Start: 192 @55122 has 23 MA's), (196, 55137), (207, 55164), (221, 55188), (252, 55230), (279, 55272), (341, 55422), (342, 55425), (371, 55485), (402, 55551), (431, 55617), (436, 55635), (448, 55668), (449, 55671), (452, 55677), (474, 55716), (476, 55719), (482, 55734), (486, 55740), (487, 55743), (489, 55749), (492, 55755), (498, 55776), (504, 55791), (509, 55800), (514, 55821), (517, 55830), (532, 55875), (535, 55893), (538, 55899), (551, 55932), (695, 56040), (704, 56067), (707, 56082), (725, 56148), (735, 56169), (742, 56181), (759, 56226),

Gene: MrAaronian_74 Start: 46144, Stop: 47382, Start Num: 161

Candidate Starts for MrAaronian_74:

(Start: 161 @46144 has 143 MA's), (244, 46315), (308, 46447), (371, 46582), (385, 46612), (412, 46669), (452, 46774), (454, 46780), (474, 46813), (514, 46918), (678, 47107), (756, 47320), (775, 47365),

Gene: MrBoss_30 Start: 22115, Stop: 23509, Start Num: 123

Candidate Starts for MrBoss_30:

(Start: 123 @22115 has 76 MA's), (158, 22172), (215, 22277), (268, 22364), (313, 22448), (316, 22451), (317, 22454), (379, 22544), (405, 22580), (409, 22589), (414, 22598), (441, 22655), (448, 22673), (464, 22706), (503, 22787), (512, 22814), (521, 22838), (534, 22880), (545, 22913), (549, 22928), (596, 23027), (641, 23123), (649, 23141), (655, 23153), (686, 23243), (690, 23249), (694, 23258), (696, 23264), (706, 23300), (734, 23387), (765, 23438), (768, 23444), (790, 23477), (800, 23501),

Gene: MrWorldwide_41 Start: 31121, Stop: 29733, Start Num: 186

Candidate Starts for MrWorldwide_41:

(4, 31772), (50, 31418), (74, 31343), (Start: 186 @31121 has 151 MA's), (270, 30977), (Start: 274 @30971 has 1 MA's), (276, 30968), (319, 30854), (335, 30827), (360, 30767), (376, 30740), (378, 30737), (427, 30641), (439, 30599), (511, 30437), (514, 30428), (523, 30407), (530, 30392), (534, 30380), (549, 30332), (583, 30272), (619, 30176), (648, 30113), (669, 30059), (698, 29975), (699, 29969), (704, 29957), (734, 29861), (759, 29807), (760, 29804), (771, 29780),

Gene: Mudcat_75 Start: 47471, Stop: 48781, Start Num: 161

Candidate Starts for Mudcat_75:

(Start: 161 @47471 has 143 MA's), (308, 47774), (371, 47909), (385, 47939), (419, 48008), (434, 48053), (448, 48092), (452, 48101), (470, 48131), (491, 48176), (492, 48179), (510, 48233), (512, 48239), (513, 48242), (514, 48245), (518, 48257), (535, 48317), (547, 48347), (735, 48590), (744, 48608), (773, 48680), (797, 48716),

Gene: Muddy_50 Start: 39454, Stop: 37943, Start Num: 123

Candidate Starts for Muddy_50:

(Start: 123 @39454 has 76 MA's), (145, 39418), (194, 39328), (195, 39325), (214, 39277), (257, 39208), (309, 39094), (380, 38965), (403, 38914), (406, 38908), (409, 38902), (425, 38878), (441, 38824), (508, 38683), (509, 38680), (526, 38623), (548, 38551), (549, 38548), (626, 38374), (633, 38353), (652, 38308), (687, 38203), (707, 38143), (772, 37975), (788, 37954),

Gene: Muglass_77 Start: 46989, Stop: 48236, Start Num: 159

Candidate Starts for Muglass_77:

(Start: 159 @46989 has 48 MA's), (196, 47067), (244, 47163), (279, 47217), (308, 47295), (385, 47460), (390, 47469), (452, 47622), (514, 47766), (749, 48141), (756, 48159),

Gene: MunkgeeRoachy_51 Start: 38189, Stop: 36711, Start Num: 143

Candidate Starts for MunkgeeRoachy_51:

(Start: 143 @38189 has 53 MA's), (195, 38096), (234, 38015), (244, 37994), (307, 37871), (308, 37868), (403, 37685), (406, 37679), (409, 37673), (427, 37643), (441, 37595), (495, 37481), (508, 37454), (514, 37430), (534, 37370), (548, 37325), (559, 37304), (578, 37265), (584, 37247), (586, 37241), (652, 37082), (653, 37079), (657, 37064), (691, 36968), (698, 36947), (707, 36917),

Gene: Musetta_83 Start: 50079, Stop: 48559, Start Num: 129

Candidate Starts for Musetta_83:

(111, 50112), (Start: 129 @50079 has 41 MA's), (153, 50028), (207, 49920), (245, 49854), (283, 49788), (329, 49665), (336, 49650), (364, 49593), (386, 49560), (387, 49557), (420, 49494), (437, 49443), (440, 49434), (444, 49425), (466, 49371), (486, 49332), (492, 49317), (510, 49266), (516, 49248), (526, 49218), (558, 49128), (574, 49083), (697, 48789), (705, 48759), (717, 48714), (771, 48600),

Gene: Mysticmoon_84 Start: 54156, Stop: 55373, Start Num: 161

Candidate Starts for Mysticmoon_84:

(Start: 161 @54156 has 143 MA's), (Start: 192 @54216 has 23 MA's), (196, 54231), (207, 54258), (221, 54282), (252, 54324), (288, 54393), (308, 54444), (330, 54495), (341, 54516), (349, 54537), (371, 54579), (434, 54723), (448, 54762), (452, 54771), (476, 54813), (482, 54828), (486, 54834), (487, 54837), (489, 54843), (492, 54849), (498, 54870), (509, 54894), (510, 54903), (514, 54915), (517, 54924), (531, 54966), (532, 54969), (535, 54987), (538, 54993), (551, 55026), (690, 55122), (695, 55134), (704, 55161), (707, 55176), (735, 55263), (742, 55275), (759, 55320),

Gene: Nadmeg_85 Start: 54988, Stop: 56202, Start Num: 161

Candidate Starts for Nadmeg_85:

(Start: 161 @54988 has 143 MA's), (164, 54994), (Start: 192 @55048 has 23 MA's), (193, 55051), (196, 55063), (218, 55111), (221, 55114), (252, 55156), (279, 55198), (288, 55225), (291, 55231), (306, 55270), (341, 55348), (342, 55351), (371, 55411), (421, 55513), (431, 55543), (439, 55570), (448, 55594), (449, 55597), (452, 55603), (470, 55633), (474, 55642), (476, 55645), (487, 55669), (489, 55675), (492, 55681), (500, 55708), (504, 55717), (510, 55735), (513, 55744), (514, 55747), (517, 55756), (532, 55801), (538, 55825), (547, 55849), (604, 55894), (684, 55948), (690, 55954), (695, 55966), (725, 56074), (749, 56125), (759, 56152), (773, 56185),

Gene: Nagem_41 Start: 31114, Stop: 29726, Start Num: 186

Candidate Starts for Nagem_41:

(4, 31765), (50, 31411), (74, 31336), (Start: 186 @31114 has 151 MA's), (270, 30970), (Start: 274 @30964 has 1 MA's), (276, 30961), (319, 30847), (335, 30820), (360, 30760), (376, 30733), (378, 30730), (427, 30634), (439, 30592), (511, 30430), (514, 30421), (523, 30400), (530, 30385), (534, 30373), (549, 30325), (583, 30265), (619, 30169), (648, 30106), (669, 30052), (698, 29968), (699, 29962), (704, 29950), (724, 29875), (734, 29854), (759, 29800), (760, 29797), (771, 29773),

Gene: Namo_83 Start: 49849, Stop: 51033, Start Num: 161

Candidate Starts for Namo_83:

(Start: 161 @49849 has 143 MA's), (Start: 180 @49894 has 9 MA's), (196, 49924), (308, 50095), (341, 50167), (356, 50206), (385, 50269), (452, 50431), (474, 50470), (477, 50476), (489, 50503), (514, 50575), (532, 50629), (538, 50653), (547, 50677), (549, 50683), (603, 50707), (665, 50713), (707, 50827), (742, 50926), (744, 50932), (756, 50962), (759, 50971), (791, 51025),

Gene: Nancia_25 Start: 20580, Stop: 21974, Start Num: 123

Candidate Starts for Nancia_25:

(Start: 123 @20580 has 76 MA's), (158, 20637), (215, 20742), (217, 20745), (268, 20829), (289, 20862), (313, 20913), (317, 20919), (375, 21000), (376, 21003), (379, 21009), (405, 21045), (414, 21063), (416, 21066), (433, 21099), (441, 21120), (503, 21252), (512, 21279), (526, 21318), (533, 21339), (534, 21345), (545, 21378), (549, 21393), (554, 21402), (576, 21447), (593, 21483), (609,

21525), (641, 21588), (649, 21606), (686, 21708), (689, 21711), (696, 21729), (697, 21732), (705, 21756), (706, 21765), (734, 21852), (790, 21942), (800, 21966),

Gene: NapoleonB_81 Start: 46764, Stop: 48074, Start Num: 161

Candidate Starts for NapoleonB_81:

(Start: 161 @46764 has 143 MA's), (207, 46866), (371, 47202), (385, 47232), (419, 47301), (434, 47346), (448, 47385), (452, 47394), (470, 47424), (491, 47469), (492, 47472), (510, 47526), (512, 47532), (513, 47535), (514, 47538), (529, 47583), (535, 47610), (547, 47640), (684, 47736), (744, 47901), (773, 47973), (797, 48009),

Gene: NarutoRun_40 Start: 25911, Stop: 27818, Start Num: 27

Candidate Starts for NarutoRun_40:

(Start: 27 @25911 has 36 MA's), (35, 25974), (41, 25995), (54, 26049), (135, 26226), (156, 26271), (249, 26445), (254, 26454), (297, 26544), (317, 26601), (410, 26787), (469, 26922), (475, 26934), (490, 26967), (534, 27096), (576, 27213), (601, 27288), (690, 27522), (691, 27525), (707, 27585), (737, 27675), (753, 27705), (771, 27747), (799, 27798),

Gene: Nason_79 Start: 46777, Stop: 48087, Start Num: 161

Candidate Starts for Nason_79:

(Start: 161 @46777 has 143 MA's), (371, 47215), (385, 47245), (419, 47314), (434, 47359), (448, 47398), (452, 47407), (470, 47437), (491, 47482), (492, 47485), (504, 47521), (510, 47539), (512, 47545), (513, 47548), (514, 47551), (518, 47563), (535, 47623), (547, 47653), (735, 47896), (744, 47914), (773, 47986), (797, 48022),

Gene: Natasha_77 Start: 46377, Stop: 47627, Start Num: 161

Candidate Starts for Natasha_77:

(Start: 161 @46377 has 143 MA's), (244, 46548), (308, 46680), (319, 46716), (342, 46755), (371, 46815), (385, 46845), (452, 47007), (474, 47046), (514, 47151), (691, 47358), (749, 47526), (756, 47544),

Gene: Natsu_52 Start: 36902, Stop: 38083, Start Num: 162

Candidate Starts for Natsu_52:

(Start: 162 @36902 has 15 MA's), (196, 36974), (211, 37013), (Start: 255 @37037 has 1 MA's), (300, 37130), (308, 37151), (371, 37286), (385, 37316), (419, 37385), (439, 37445), (452, 37478), (514, 37622), (532, 37676), (538, 37700), (555, 37742), (603, 37754), (665, 37760), (707, 37874), (744, 37979), (753, 38003), (759, 38018),

Gene: Nattles_40 Start: 30803, Stop: 29415, Start Num: 186

Candidate Starts for Nattles_40:

(74, 31025), (Start: 186 @30803 has 151 MA's), (270, 30659), (Start: 274 @30653 has 1 MA's), (276, 30650), (319, 30536), (335, 30509), (360, 30449), (376, 30422), (378, 30419), (426, 30326), (427, 30323), (439, 30281), (514, 30110), (523, 30089), (530, 30074), (534, 30062), (549, 30014), (583, 29954), (619, 29858), (648, 29795), (669, 29741), (698, 29657), (699, 29651), (704, 29639), (724, 29564), (734, 29543), (759, 29489), (760, 29486), (771, 29462),

Gene: Navi1117_80 Start: 47393, Stop: 48640, Start Num: 159

Candidate Starts for Navi1117_80:

(Start: 159 @47393 has 48 MA's), (Start: 239 @47555 has 1 MA's), (244, 47567), (279, 47621), (308, 47699), (342, 47774), (385, 47864), (390, 47873), (431, 47966), (452, 48026), (491, 48101), (514, 48170), (749, 48545), (756, 48563),

Gene: Nebulous_39 Start: 32131, Stop: 30701, Start Num: 186

Candidate Starts for Nebulous_39:

(Start: 186 @32131 has 151 MA's), (199, 32098), (224, 32053), (Start: 274 @31978 has 1 MA's), (276, 31975), (325, 31843), (332, 31831), (376, 31738), (378, 31735), (380, 31732), (436, 31603), (512, 31429), (514, 31423), (523, 31402), (534, 31375), (535, 31363), (537, 31360), (545, 31342), (566, 31285), (583, 31228), (587, 31216), (600, 31174), (619, 31132), (629, 31108), (648, 31069), (669, 31015), (687, 30961), (691, 30952), (697, 30937), (698, 30931), (739, 30808), (749, 30790), (758, 30766),

Gene: Necrophoxinus_86 Start: 50425, Stop: 48905, Start Num: 129

Candidate Starts for Necrophoxinus_86:

(111, 50458), (Start: 129 @50425 has 41 MA's), (Start: 143 @50392 has 53 MA's), (153, 50374), (202, 50275), (207, 50266), (245, 50200), (283, 50134), (336, 49996), (364, 49939), (386, 49906), (387, 49903), (420, 49840), (437, 49789), (440, 49780), (444, 49771), (457, 49741), (466, 49717), (486, 49678), (492, 49663), (510, 49612), (516, 49594), (526, 49564), (546, 49501), (574, 49429), (697, 49135), (705, 49105), (717, 49060), (734, 49009), (762, 48964), (771, 48946),

Gene: Neferthena_41 Start: 31335, Stop: 29905, Start Num: 186

Candidate Starts for Neferthena_41:

(Start: 186 @31335 has 151 MA's), (199, 31302), (224, 31257), (270, 31188), (Start: 274 @31182 has 1 MA's), (276, 31179), (325, 31047), (376, 30942), (378, 30939), (512, 30633), (514, 30627), (523, 30606), (534, 30579), (545, 30546), (566, 30489), (578, 30447), (583, 30432), (587, 30420), (600, 30378), (619, 30336), (629, 30312), (640, 30291), (648, 30273), (669, 30219), (687, 30165), (691, 30156), (697, 30141), (698, 30135), (734, 30021), (756, 29976), (758, 29970), (766, 29949), (771, 29940),

Gene: Neptune_40 Start: 25911, Stop: 27818, Start Num: 27

Candidate Starts for Neptune_40:

(Start: 27 @25911 has 36 MA's), (35, 25974), (41, 25995), (54, 26049), (135, 26226), (156, 26271), (249, 26445), (254, 26454), (297, 26544), (410, 26787), (469, 26922), (475, 26934), (490, 26967), (534, 27096), (576, 27213), (601, 27288), (690, 27522), (691, 27525), (707, 27585), (737, 27675), (753, 27705), (771, 27747), (799, 27798),

Gene: Nibbles_48 Start: 37634, Stop: 36144, Start Num: 143

Candidate Starts for Nibbles_48:

(Start: 143 @37634 has 53 MA's), (195, 37544), (Start: 204 @37517 has 1 MA's), (228, 37475), (250, 37433), (257, 37427), (Start: 274 @37400 has 1 MA's), (307, 37319), (308, 37316), (310, 37310), (316, 37289), (348, 37223), (403, 37133), (409, 37121), (441, 37043), (447, 37028), (503, 36911), (508, 36902), (532, 36824), (540, 36797), (545, 36785), (548, 36773), (572, 36734), (578, 36713), (579, 36710), (584, 36695), (604, 36623), (652, 36509), (668, 36464), (673, 36449), (681, 36419), (691, 36395), (707, 36344), (708, 36341), (716, 36314), (741, 36248), (752, 36224), (765, 36191), (788, 36155),

Gene: NickSell_41 Start: 31124, Stop: 29736, Start Num: 186

Candidate Starts for NickSell_41:

(4, 31775), (50, 31421), (74, 31346), (Start: 186 @31124 has 151 MA's), (270, 30980), (Start: 274 @30974 has 1 MA's), (276, 30971), (319, 30857), (335, 30830), (360, 30770), (376, 30743), (378, 30740), (427, 30644), (439, 30602), (511, 30440), (514, 30431), (523, 30410), (530, 30395), (534, 30383), (549, 30335), (583, 30275), (619, 30179), (648, 30116), (669, 30062), (698, 29978), (699, 29972), (704, 29960), (734, 29864), (759, 29810), (760, 29807), (771, 29783),

Gene: Nightmare_73 Start: 48810, Stop: 50060, Start Num: 159

Candidate Starts for Nightmare_73:

(Start: 159 @48810 has 48 MA's), (164, 48819), (Start: 180 @48858 has 9 MA's), (218, 48936), (244, 48984), (Start: 255 @49002 has 1 MA's), (308, 49116), (341, 49188), (371, 49251), (385, 49281), (419,

49350), (452, 49443), (454, 49449), (476, 49485), (514, 49587), (676, 49764), (679, 49770), (707, 49845), (720, 49890), (721, 49893), (749, 49962),

Gene: Niktson_72 Start: 48385, Stop: 49617, Start Num: 159

Candidate Starts for Niktson_72:

(155, 48379), (Start: 159 @48385 has 48 MA's), (164, 48394), (174, 48424), (Start: 180 @48433 has 9 MA's), (218, 48511), (244, 48559), (308, 48691), (341, 48763), (371, 48826), (385, 48856), (419, 48925), (452, 49018), (454, 49024), (476, 49060), (514, 49162), (691, 49369), (707, 49420), (711, 49435), (717, 49453), (720, 49465), (721, 49468), (749, 49537), (756, 49555),

Gene: Nina_53 Start: 39329, Stop: 37851, Start Num: 143

Candidate Starts for Nina_53:

(Start: 143 @39329 has 53 MA's), (193, 39242), (195, 39236), (234, 39155), (307, 39011), (308, 39008), (403, 38825), (406, 38819), (409, 38813), (441, 38735), (495, 38621), (508, 38594), (514, 38570), (534, 38510), (548, 38465), (559, 38444), (578, 38405), (584, 38387), (631, 38270), (652, 38222), (653, 38219), (657, 38204), (691, 38108), (698, 38087), (707, 38057),

Gene: Nirvana_129 Start: 85649, Stop: 84003, Start Num: 79

Candidate Starts for Nirvana_129:

(Start: 79 @85649 has 9 MA's), (137, 85541), (145, 85517), (154, 85502), (157, 85499), (248, 85322), (295, 85220), (326, 85145), (328, 85142), (422, 84968), (436, 84926), (459, 84869), (489, 84803), (522, 84707), (540, 84650), (562, 84596), (568, 84584), (572, 84569), (587, 84521), (637, 84407), (651, 84377), (662, 84347), (667, 84335), (716, 84179), (717, 84176), (779, 84047),

Gene: Nithya_86 Start: 54931, Stop: 56145, Start Num: 161

Candidate Starts for Nithya_86:

(Start: 161 @54931 has 143 MA's), (164, 54937), (Start: 192 @54991 has 23 MA's), (193, 54994), (196, 55006), (207, 55033), (209, 55036), (221, 55057), (252, 55099), (279, 55141), (291, 55174), (306, 55213), (341, 55291), (342, 55294), (371, 55354), (421, 55456), (448, 55537), (452, 55546), (474, 55585), (487, 55612), (492, 55624), (500, 55651), (504, 55660), (510, 55678), (513, 55687), (514, 55690), (517, 55699), (532, 55744), (538, 55768), (547, 55792), (576, 55822), (604, 55837), (695, 55909), (725, 56017), (749, 56068), (759, 56095), (773, 56128),

Gene: Nivinsha_74 Start: 47947, Stop: 49179, Start Num: 159

Candidate Starts for Nivinsha_74:

(Start: 159 @47947 has 48 MA's), (164, 47956), (Start: 180 @47995 has 9 MA's), (244, 48121), (308, 48253), (341, 48325), (371, 48388), (385, 48418), (419, 48487), (452, 48580), (454, 48586), (476, 48622), (514, 48724), (691, 48931), (707, 48982), (711, 48997), (720, 49027), (721, 49030), (749, 49099), (756, 49117),

Gene: NoPickles_88 Start: 53473, Stop: 54693, Start Num: 161

Candidate Starts for NoPickles_88:

(Start: 161 @53473 has 143 MA's), (Start: 192 @53533 has 23 MA's), (193, 53536), (207, 53575), (221, 53599), (252, 53641), (279, 53683), (291, 53716), (306, 53755), (308, 53761), (330, 53812), (341, 53833), (371, 53896), (421, 53998), (431, 54028), (436, 54046), (448, 54079), (452, 54088), (487, 54154), (491, 54163), (492, 54166), (504, 54202), (509, 54211), (510, 54220), (514, 54232), (531, 54283), (532, 54286), (547, 54337), (551, 54346), (676, 54415), (695, 54454), (725, 54562), (742, 54595), (749, 54613), (759, 54640),

Gene: NoShow_58 Start: 42406, Stop: 40934, Start Num: 148

Candidate Starts for NoShow_58:

(Start: 148 @42406 has 2 MA's), (195, 42316), (Start: 204 @42289 has 1 MA's), (238, 42229), (297, 42115), (309, 42085), (403, 41905), (406, 41899), (409, 41893), (441, 41815), (526, 41614), (548,

41542), (549, 41539), (556, 41527), (578, 41482), (600, 41422), (613, 41392), (657, 41281), (676, 41227), (691, 41185), (707, 41134), (741, 41038), (753, 41011), (772, 40966),

Gene: Nodigi_60 Start: 41112, Stop: 39637, Start Num: 146

Candidate Starts for Nodigi_60:

(83, 41229), (86, 41223), (Start: 146 @41112 has 11 MA's), (168, 41070), (195, 41022), (Start: 204 @40995 has 1 MA's), (244, 40920), (250, 40911), (257, 40905), (297, 40821), (305, 40803), (308, 40794), (310, 40788), (378, 40665), (403, 40611), (406, 40605), (409, 40599), (436, 40536), (441, 40521), (447, 40506), (530, 40308), (540, 40275), (556, 40236), (578, 40191), (599, 40128), (601, 40122), (604, 40116), (613, 40095), (618, 40080), (633, 40047), (635, 40044), (653, 39999), (673, 39942), (691, 39888), (707, 39837), (724, 39774), (749, 39726), (757, 39705),

Gene: Nonagon_72 Start: 46348, Stop: 44768, Start Num: 70

Candidate Starts for Nonagon_72:

(45, 46438), (Start: 70 @46348 has 2 MA's), (89, 46297), (97, 46282), (Start: 146 @46189 has 11 MA's), (154, 46174), (170, 46144), (176, 46129), (197, 46105), (208, 46078), (240, 46033), (263, 45994), (272, 45979), (291, 45937), (312, 45883), (344, 45820), (396, 45730), (401, 45715), (411, 45694), (437, 45637), (445, 45616), (484, 45532), (503, 45481), (536, 45388), (544, 45373), (553, 45349), (560, 45334), (561, 45331), (572, 45307), (574, 45301), (578, 45286), (616, 45202), (626, 45181), (628, 45178), (644, 45148), (645, 45145), (671, 45076), (674, 45064), (688, 45022), (690, 45016), (702, 44977), (708, 44953), (734, 44872), (761, 44830), (762, 44827),

Gene: Nubia_29 Start: 22080, Stop: 23471, Start Num: 123

Candidate Starts for Nubia_29:

(Start: 123 @22080 has 76 MA's), (173, 22167), (215, 22239), (217, 22242), (254, 22308), (268, 22326), (271, 22332), (289, 22359), (317, 22416), (350, 22467), (379, 22506), (405, 22542), (414, 22560), (433, 22596), (441, 22617), (448, 22635), (464, 22668), (488, 22707), (503, 22749), (512, 22776), (521, 22800), (533, 22836), (534, 22842), (545, 22875), (549, 22890), (554, 22899), (576, 22944), (592, 22977), (593, 22980), (641, 23085), (646, 23097), (655, 23115), (686, 23205), (696, 23226), (697, 23229), (705, 23253), (706, 23262), (734, 23349), (765, 23400), (790, 23439), (800, 23463),

Gene: Nucci_39 Start: 30618, Stop: 29206, Start Num: 192

Candidate Starts for Nucci_39:

(Start: 186 @30621 has 151 MA's), (Start: 192 @30618 has 23 MA's), (201, 30588), (Start: 204 @30582 has 1 MA's), (224, 30549), (Start: 274 @30474 has 1 MA's), (278, 30468), (319, 30357), (335, 30330), (357, 30279), (360, 30270), (376, 30243), (378, 30240), (399, 30198), (427, 30144), (493, 29988), (512, 29937), (514, 29931), (523, 29910), (527, 29904), (530, 29895), (534, 29883), (535, 29871), (565, 29793), (583, 29733), (585, 29727), (600, 29679), (617, 29637), (648, 29574), (654, 29562), (664, 29538), (666, 29535), (687, 29466), (691, 29457), (697, 29442), (698, 29436), (699, 29430), (704, 29418), (739, 29313), (749, 29295), (753, 29283), (772, 29238),

Gene: OMalley_26 Start: 21745, Stop: 23139, Start Num: 123

Candidate Starts for OMalley_26:

(Start: 123 @21745 has 76 MA's), (158, 21802), (Start: 204 @21889 has 1 MA's), (215, 21907), (217, 21910), (268, 21994), (289, 22027), (313, 22078), (317, 22084), (360, 22144), (379, 22174), (405, 22210), (414, 22228), (441, 22285), (448, 22303), (451, 22309), (464, 22336), (503, 22417), (512, 22444), (521, 22468), (526, 22483), (534, 22510), (545, 22543), (549, 22558), (609, 22690), (625, 22726), (641, 22753), (646, 22765), (655, 22783), (686, 22873), (690, 22879), (696, 22894), (697, 22897), (706, 22930), (723, 22990), (734, 23017), (768, 23074), (790, 23107), (800, 23131),

Gene: Oats_40 Start: 30816, Stop: 29428, Start Num: 186

Candidate Starts for Oats_40:

(74, 31038), (Start: 186 @30816 has 151 MA's), (270, 30672), (Start: 274 @30666 has 1 MA's), (276, 30663), (319, 30549), (335, 30522), (360, 30462), (376, 30435), (378, 30432), (426, 30339), (427, 30336), (439, 30294), (514, 30123), (523, 30102), (530, 30087), (534, 30075), (549, 30027), (583, 29967), (619, 29871), (648, 29808), (669, 29754), (698, 29670), (699, 29664), (704, 29652), (724, 29577), (734, 29556), (759, 29502), (760, 29499), (771, 29475),

Gene: Odesza_86 Start: 53513, Stop: 54733, Start Num: 161

Candidate Starts for Odesza_86:

(Start: 161 @53513 has 143 MA's), (Start: 192 @53573 has 23 MA's), (193, 53576), (207, 53615), (221, 53639), (252, 53681), (279, 53723), (291, 53756), (306, 53795), (308, 53801), (330, 53852), (341, 53873), (371, 53936), (421, 54038), (431, 54068), (436, 54086), (448, 54119), (452, 54128), (487, 54194), (491, 54203), (492, 54206), (504, 54242), (509, 54251), (510, 54260), (514, 54272), (531, 54323), (532, 54326), (547, 54377), (551, 54386), (676, 54455), (695, 54494), (725, 54602), (742, 54635), (749, 54653), (759, 54680),

Gene: OhDear_40 Start: 25909, Stop: 27816, Start Num: 27

Candidate Starts for OhDear_40:

(Start: 27 @25909 has 36 MA's), (35, 25972), (41, 25993), (54, 26047), (135, 26224), (156, 26269), (249, 26443), (254, 26452), (297, 26542), (317, 26599), (410, 26785), (469, 26920), (475, 26932), (490, 26965), (534, 27094), (576, 27211), (601, 27286), (690, 27520), (691, 27523), (707, 27583), (737, 27673), (753, 27703), (771, 27745), (799, 27796),

Gene: OhMyWard_81 Start: 54856, Stop: 56073, Start Num: 161

Candidate Starts for OhMyWard_81:

(Start: 161 @54856 has 143 MA's), (Start: 192 @54916 has 23 MA's), (196, 54931), (207, 54958), (221, 54982), (252, 55024), (279, 55066), (288, 55093), (341, 55216), (342, 55219), (371, 55279), (402, 55345), (431, 55411), (448, 55462), (449, 55465), (452, 55471), (474, 55510), (482, 55528), (486, 55534), (487, 55537), (492, 55549), (498, 55570), (504, 55585), (509, 55594), (510, 55603), (514, 55615), (517, 55624), (532, 55669), (535, 55687), (538, 55693), (551, 55726), (695, 55834), (704, 55861), (707, 55876), (735, 55963), (742, 55975), (759, 56020),

Gene: OldNelly_42 Start: 31120, Stop: 29732, Start Num: 186

Candidate Starts for OldNelly_42:

(74, 31342), (Start: 186 @31120 has 151 MA's), (270, 30976), (Start: 274 @30970 has 1 MA's), (276, 30967), (319, 30853), (335, 30826), (360, 30766), (376, 30739), (378, 30736), (383, 30730), (427, 30640), (439, 30598), (514, 30427), (530, 30391), (534, 30379), (545, 30346), (549, 30331), (583, 30271), (619, 30175), (648, 30112), (669, 30058), (698, 29974), (699, 29968), (704, 29956), (734, 29860), (759, 29806), (760, 29803), (771, 29779),

Gene: OlgasClover_88 Start: 55765, Stop: 56979, Start Num: 161

Candidate Starts for OlgasClover_88:

(Start: 161 @55765 has 143 MA's), (164, 55771), (Start: 192 @55825 has 23 MA's), (193, 55828), (196, 55840), (207, 55867), (209, 55870), (221, 55891), (252, 55933), (279, 55975), (291, 56008), (306, 56047), (341, 56125), (342, 56128), (371, 56188), (421, 56290), (431, 56320), (439, 56347), (448, 56371), (452, 56380), (474, 56419), (476, 56422), (487, 56446), (492, 56458), (500, 56485), (504, 56494), (510, 56512), (513, 56521), (514, 56524), (517, 56533), (531, 56575), (538, 56602), (547, 56626), (576, 56656), (695, 56743), (725, 56851), (749, 56902), (759, 56929), (773, 56962),

Gene: OlinDD_77 Start: 49475, Stop: 47952, Start Num: 129

Candidate Starts for OlinDD_77:

(91, 49541), (106, 49514), (Start: 129 @49475 has 41 MA's), (202, 49325), (207, 49316), (263, 49220), (282, 49187), (291, 49160), (310, 49106), (329, 49061), (330, 49058), (386, 48953), (387, 48950), (440, 48827), (444, 48818), (448, 48806), (473, 48752), (510, 48659), (545, 48551), (558, 48521),

(560, 48515), (561, 48512), (562, 48509), (574, 48476), (577, 48464), (626, 48338), (651, 48290), (690, 48200), (697, 48182), (709, 48134), (762, 48011),

Gene: Olympi_35 Start: 23358, Stop: 24785, Start Num: 126

Candidate Starts for Olympi_35:

(Start: 126 @23358 has 19 MA's), (249, 23574), (300, 23676), (316, 23715), (360, 23778), (389, 23823), (405, 23844), (451, 23943), (519, 24111), (534, 24159), (539, 24180), (549, 24207), (568, 24234), (576, 24264), (578, 24270), (595, 24306), (630, 24384), (675, 24486), (676, 24489), (706, 24576), (710, 24588), (721, 24627), (734, 24663), (745, 24681), (782, 24744),

Gene: OlympicHelado_83 Start: 49870, Stop: 51054, Start Num: 161

Candidate Starts for OlympicHelado_83:

(Start: 161 @49870 has 143 MA's), (Start: 180 @49915 has 9 MA's), (196, 49945), (308, 50116), (341, 50188), (356, 50227), (385, 50290), (452, 50452), (474, 50491), (477, 50497), (489, 50524), (514, 50596), (532, 50650), (538, 50674), (547, 50698), (549, 50704), (603, 50728), (665, 50734), (707, 50848), (742, 50947), (744, 50953), (756, 50983), (759, 50992), (791, 51046),

Gene: Onestar_73 Start: 46327, Stop: 47556, Start Num: 161

Candidate Starts for Onestar_73:

(Start: 161 @46327 has 143 MA's), (244, 46498), (308, 46630), (341, 46702), (371, 46765), (385, 46795), (439, 46924), (448, 46948), (452, 46957), (474, 46996), (514, 47101), (735, 47446), (756, 47494),

Gene: Orla_60 Start: 41041, Stop: 39566, Start Num: 146

Candidate Starts for Orla_60:

(Start: 146 @41041 has 11 MA's), (168, 40999), (195, 40951), (Start: 204 @40924 has 1 MA's), (244, 40849), (250, 40840), (257, 40834), (297, 40750), (305, 40732), (308, 40723), (310, 40717), (378, 40594), (403, 40540), (406, 40534), (409, 40528), (436, 40465), (441, 40450), (447, 40435), (530, 40237), (540, 40204), (556, 40165), (578, 40120), (599, 40057), (601, 40051), (604, 40045), (633, 39976), (635, 39973), (653, 39928), (673, 39871), (691, 39817), (707, 39766), (749, 39655), (757, 39634),

Gene: Orpington_41 Start: 31071, Stop: 29695, Start Num: 204

Candidate Starts for Orpington_41:

(Start: 186 @31110 has 151 MA's), (Start: 192 @31107 has 23 MA's), (201, 31077), (Start: 204 @31071 has 1 MA's), (224, 31038), (319, 30846), (335, 30819), (360, 30759), (376, 30732), (378, 30729), (399, 30687), (409, 30663), (427, 30633), (439, 30591), (493, 30477), (514, 30420), (523, 30399), (530, 30384), (534, 30372), (535, 30360), (537, 30357), (545, 30339), (572, 30258), (583, 30222), (600, 30168), (617, 30126), (633, 30096), (644, 30072), (647, 30066), (666, 30024), (687, 29955), (697, 29931), (698, 29925), (699, 29919), (704, 29907), (734, 29811), (739, 29802), (749, 29784), (753, 29772), (772, 29727),

Gene: OverHedge_40 Start: 25901, Stop: 27808, Start Num: 27

Candidate Starts for OverHedge_40:

(Start: 27 @25901 has 36 MA's), (35, 25964), (41, 25985), (54, 26039), (135, 26216), (156, 26261), (249, 26435), (254, 26444), (297, 26534), (317, 26591), (410, 26777), (469, 26912), (475, 26924), (490, 26957), (534, 27086), (576, 27203), (601, 27278), (690, 27512), (691, 27515), (707, 27575), (737, 27665), (753, 27695), (771, 27737), (799, 27788),

Gene: Oxtober96_42 Start: 31119, Stop: 29731, Start Num: 186

Candidate Starts for Oxtober96_42:

(4, 31770), (50, 31416), (74, 31341), (Start: 186 @31119 has 151 MA's), (270, 30975), (Start: 274 @30969 has 1 MA's), (276, 30966), (319, 30852), (335, 30825), (360, 30765), (376, 30738), (378,

30735), (427, 30639), (439, 30597), (514, 30426), (523, 30405), (534, 30378), (549, 30330), (583, 30270), (648, 30111), (669, 30057), (698, 29973), (699, 29967), (704, 29955), (734, 29859), (759, 29805), (760, 29802), (771, 29778),

Gene: Oxynfrius_29 Start: 22093, Stop: 23484, Start Num: 123

Candidate Starts for Oxynfrius_29:

(Start: 123 @22093 has 76 MA's), (173, 22180), (215, 22252), (217, 22255), (254, 22321), (268, 22339), (271, 22345), (289, 22372), (317, 22429), (350, 22480), (379, 22519), (405, 22555), (414, 22573), (433, 22609), (441, 22630), (448, 22648), (464, 22681), (488, 22720), (503, 22762), (512, 22789), (521, 22813), (533, 22849), (534, 22855), (545, 22888), (549, 22903), (554, 22912), (576, 22957), (592, 22990), (593, 22993), (641, 23098), (646, 23110), (655, 23128), (686, 23218), (696, 23239), (697, 23242), (705, 23266), (706, 23275), (734, 23362), (765, 23413), (790, 23452), (800, 23476),

Gene: PHTowN_70 Start: 50156, Stop: 48270, Start Num: 23

Candidate Starts for PHTowN_70:

(14, 50216), (Start: 23 @50156 has 8 MA's), (Start: 29 @50141 has 6 MA's), (35, 50078), (38, 50069), (41, 50057), (68, 49964), (93, 49901), (103, 49883), (135, 49826), (Start: 143 @49802 has 53 MA's), (227, 49643), (249, 49604), (254, 49595), (303, 49487), (357, 49379), (408, 49274), (448, 49175), (475, 49115), (510, 49028), (511, 49025), (545, 48920), (547, 48911), (553, 48899), (588, 48800), (606, 48761), (644, 48683), (649, 48671), (657, 48644), (691, 48554), (697, 48539), (710, 48485), (725, 48428), (794, 48302),

Gene: PSirce_40 Start: 31102, Stop: 29690, Start Num: 192

Candidate Starts for PSirce_40:

(Start: 186 @31105 has 151 MA's), (Start: 192 @31102 has 23 MA's), (201, 31072), (Start: 204 @31066 has 1 MA's), (224, 31033), (319, 30841), (335, 30814), (360, 30754), (376, 30727), (378, 30724), (399, 30682), (409, 30658), (427, 30628), (439, 30586), (514, 30415), (523, 30394), (530, 30379), (534, 30367), (535, 30355), (537, 30352), (545, 30334), (572, 30253), (583, 30217), (600, 30163), (617, 30121), (633, 30091), (644, 30067), (647, 30061), (664, 30022), (666, 30019), (687, 29950), (697, 29926), (698, 29920), (699, 29914), (704, 29902), (734, 29806), (739, 29797), (749, 29779), (753, 29767), (772, 29722),

Gene: Paella_140 Start: 73635, Stop: 74879, Start Num: 159

Candidate Starts for Paella_140:

(Start: 159 @73635 has 48 MA's), (174, 73674), (Start: 180 @73683 has 9 MA's), (244, 73809), (279, 73863), (371, 74076), (385, 74106), (419, 74175), (452, 74268), (509, 74391), (514, 74412), (535, 74484), (555, 74532), (578, 74550), (690, 74616), (711, 74685), (725, 74736), (749, 74787), (756, 74805),

Gene: Pajaza_37 Start: 29766, Stop: 28396, Start Num: 192

Candidate Starts for Pajaza_37:

(Start: 192 @29766 has 23 MA's), (265, 29637), (278, 29616), (319, 29505), (321, 29502), (358, 29418), (360, 29412), (365, 29400), (378, 29382), (391, 29361), (427, 29286), (436, 29253), (511, 29082), (512, 29079), (514, 29073), (515, 29070), (530, 29037), (549, 28977), (583, 28917), (585, 28911), (586, 28908), (587, 28905), (617, 28821), (674, 28689), (687, 28650), (697, 28626), (698, 28620), (704, 28602), (734, 28506), (749, 28479), (753, 28467), (766, 28434), (772, 28422),

Gene: Papafritta_40 Start: 30824, Stop: 29436, Start Num: 186

Candidate Starts for Papafritta_40:

(50, 31121), (74, 31046), (Start: 186 @30824 has 151 MA's), (270, 30680), (Start: 274 @30674 has 1 MA's), (276, 30671), (319, 30557), (335, 30530), (360, 30470), (376, 30443), (378, 30440), (427, 30344), (439, 30302), (514, 30131), (523, 30110), (530, 30095), (549, 30035), (575, 30002), (583,

29975), (619, 29879), (648, 29816), (669, 29762), (698, 29678), (699, 29672), (704, 29660), (734, 29564), (759, 29510), (760, 29507), (771, 29483),

Gene: ParleG_41 Start: 31121, Stop: 29733, Start Num: 186

Candidate Starts for ParleG_41:

(4, 31772), (50, 31418), (74, 31343), (Start: 186 @31121 has 151 MA's), (270, 30977), (Start: 274 @30971 has 1 MA's), (276, 30968), (319, 30854), (335, 30827), (360, 30767), (376, 30740), (378, 30737), (427, 30641), (439, 30599), (511, 30437), (514, 30428), (523, 30407), (530, 30392), (534, 30380), (549, 30332), (583, 30272), (619, 30176), (648, 30113), (669, 30059), (698, 29975), (699, 29969), (704, 29957), (734, 29861), (759, 29807), (760, 29804), (771, 29780),

Gene: PartyCup_29 Start: 22162, Stop: 23556, Start Num: 123

Candidate Starts for PartyCup_29:

(Start: 123 @22162 has 76 MA's), (158, 22219), (215, 22324), (268, 22411), (313, 22495), (316, 22498), (317, 22501), (379, 22591), (405, 22627), (409, 22636), (414, 22645), (441, 22702), (448, 22720), (464, 22753), (472, 22765), (503, 22834), (512, 22861), (521, 22885), (533, 22921), (534, 22927), (545, 22960), (549, 22975), (554, 22984), (596, 23074), (625, 23143), (641, 23170), (649, 23188), (655, 23200), (686, 23290), (690, 23296), (694, 23305), (696, 23311), (706, 23347), (734, 23434), (768, 23491), (790, 23524), (800, 23548),

Gene: Parvaparticeps_24 Start: 17958, Stop: 16552, Start Num: 123

Candidate Starts for Parvaparticeps_24:

(Start: 123 @17958 has 76 MA's), (205, 17817), (215, 17802), (Start: 274 @17718 has 1 MA's), (299, 17655), (313, 17622), (360, 17556), (374, 17535), (379, 17526), (389, 17511), (409, 17481), (429, 17451), (451, 17397), (519, 17235), (545, 17154), (568, 17109), (576, 17079), (577, 17076), (595, 17037), (641, 16938), (649, 16920), (655, 16908), (663, 16890), (705, 16770), (706, 16761), (721, 16710), (723, 16701), (726, 16692), (734, 16674), (745, 16656), (782, 16593), (790, 16584), (800, 16560),

Gene: Pavlo_78 Start: 49360, Stop: 47837, Start Num: 129

Candidate Starts for Pavlo_78:

(33, 49621), (Start: 129 @49360 has 41 MA's), (182, 49249), (202, 49210), (207, 49201), (263, 49105), (285, 49063), (291, 49045), (310, 48991), (329, 48946), (330, 48943), (387, 48841), (440, 48718), (455, 48682), (473, 48643), (499, 48577), (510, 48550), (516, 48532), (526, 48502), (545, 48442), (558, 48412), (562, 48400), (564, 48394), (690, 48085), (697, 48067), (707, 48025), (709, 48019), (714, 48001), (715, 47998), (773, 47872),

Gene: Peep_41 Start: 31106, Stop: 29718, Start Num: 186

Candidate Starts for Peep_41:

(74, 31328), (155, 31166), (Start: 186 @31106 has 151 MA's), (270, 30962), (Start: 274 @30956 has 1 MA's), (276, 30953), (319, 30839), (335, 30812), (360, 30752), (376, 30725), (378, 30722), (427, 30626), (439, 30584), (514, 30413), (523, 30392), (530, 30377), (534, 30365), (549, 30317), (583, 30257), (619, 30161), (648, 30098), (669, 30044), (698, 29960), (699, 29954), (704, 29942), (734, 29846), (759, 29792), (760, 29789), (771, 29765),

Gene: Penta_37 Start: 29174, Stop: 27789, Start Num: 183

Candidate Starts for Penta_37:

(Start: 183 @29174 has 2 MA's), (297, 28961), (319, 28898), (332, 28877), (376, 28784), (378, 28781), (391, 28760), (399, 28739), (439, 28643), (493, 28529), (503, 28505), (514, 28472), (524, 28448), (530, 28436), (534, 28424), (535, 28412), (537, 28409), (545, 28391), (573, 28349), (583, 28316), (587, 28304), (590, 28292), (619, 28220), (633, 28190), (687, 28049), (691, 28040), (697, 28025), (698, 28019), (699, 28013), (734, 27905), (739, 27896), (753, 27866), (771, 27824),

Gene: Peppino_40 Start: 31250, Stop: 29859, Start Num: 186

Candidate Starts for Peppino_40:

(Start: 123 @31364 has 76 MA's), (169, 31280), (Start: 186 @31250 has 151 MA's), (270, 31103), (Start: 274 @31097 has 1 MA's), (276, 31094), (319, 30980), (335, 30953), (360, 30893), (376, 30866), (378, 30863), (427, 30767), (439, 30725), (514, 30554), (523, 30533), (534, 30506), (583, 30398), (619, 30302), (669, 30185), (675, 30167), (698, 30101), (699, 30095), (734, 29987), (759, 29933), (760, 29930), (771, 29906), (793, 29876),

Gene: Pepy6_052 Start: 70167, Stop: 71795, Start Num: 19

Candidate Starts for Pepy6_052:

(Start: 19 @70167 has 1 MA's), (32, 70239), (34, 70263), (61, 70368), (109, 70479), (Start: 159 @70575 has 48 MA's), (164, 70584), (221, 70704), (228, 70716), (341, 70938), (342, 70941), (356, 70977), (371, 71001), (402, 71067), (431, 71133), (434, 71145), (452, 71193), (474, 71232), (487, 71259), (510, 71325), (514, 71337), (517, 71346), (528, 71379), (538, 71418), (547, 71442), (576, 71472), (579, 71481), (691, 71550), (695, 71559), (743, 71703), (773, 71778),

Gene: Perkunas_88 Start: 53425, Stop: 54645, Start Num: 161

Candidate Starts for Perkunas_88:

(Start: 161 @53425 has 143 MA's), (Start: 192 @53485 has 23 MA's), (193, 53488), (207, 53527), (221, 53551), (252, 53593), (279, 53635), (291, 53668), (306, 53707), (308, 53713), (330, 53764), (341, 53785), (342, 53788), (371, 53848), (402, 53914), (421, 53950), (431, 53980), (436, 53998), (448, 54031), (449, 54034), (452, 54040), (487, 54106), (491, 54115), (492, 54118), (504, 54154), (509, 54163), (510, 54172), (514, 54184), (551, 54298), (676, 54367), (695, 54406), (704, 54433), (742, 54547), (749, 54565),

Gene: PermaG_34 Start: 23404, Stop: 24831, Start Num: 126

Candidate Starts for PermaG_34:

(100, 23362), (Start: 126 @23404 has 19 MA's), (215, 23560), (313, 23758), (316, 23761), (317, 23764), (335, 23782), (389, 23869), (405, 23890), (451, 23989), (482, 24055), (519, 24157), (520, 24160), (534, 24205), (539, 24226), (549, 24253), (568, 24280), (569, 24283), (572, 24295), (576, 24310), (578, 24316), (595, 24352), (609, 24388), (614, 24400), (630, 24430), (668, 24514), (675, 24532), (676, 24535), (706, 24622), (710, 24634), (721, 24673), (734, 24709), (738, 24715), (782, 24790),

Gene: PerroGrande22_111 Start: 72823, Stop: 74448, Start Num: 19

Candidate Starts for PerroGrande22_111:

(Start: 19 @72823 has 1 MA's), (32, 72895), (34, 72919), (36, 72931), (61, 73024), (Start: 159 @73228 has 48 MA's), (Start: 180 @73276 has 9 MA's), (221, 73357), (279, 73441), (290, 73471), (341, 73591), (356, 73630), (371, 73654), (402, 73720), (431, 73786), (434, 73798), (449, 73840), (452, 73846), (474, 73885), (487, 73912), (492, 73924), (510, 73978), (514, 73990), (517, 73999), (528, 74032), (538, 74071), (547, 74095), (576, 74125), (579, 74134), (676, 74173), (691, 74203), (695, 74212), (773, 74431),

Gene: PestoPenguin_87 Start: 54312, Stop: 55526, Start Num: 161

Candidate Starts for PestoPenguin_87:

(Start: 161 @54312 has 143 MA's), (164, 54318), (Start: 192 @54372 has 23 MA's), (193, 54375), (196, 54387), (218, 54435), (221, 54438), (252, 54480), (279, 54522), (291, 54555), (306, 54594), (341, 54672), (342, 54675), (371, 54735), (447, 54915), (448, 54918), (449, 54921), (452, 54927), (474, 54966), (487, 54993), (492, 55005), (500, 55032), (504, 55041), (510, 55059), (513, 55068), (514, 55071), (517, 55080), (532, 55125), (538, 55149), (547, 55173), (684, 55272), (690, 55278), (695, 55290), (707, 55332), (725, 55398), (735, 55419), (749, 55449), (773, 55509),

Gene: Petito_87 Start: 54333, Stop: 55553, Start Num: 161

Candidate Starts for Petito_87:

(Start: 161 @54333 has 143 MA's), (Start: 192 @54393 has 23 MA's), (193, 54396), (207, 54435), (221, 54459), (252, 54501), (279, 54543), (291, 54576), (306, 54615), (308, 54621), (341, 54693), (371, 54756), (402, 54822), (421, 54858), (431, 54888), (436, 54906), (452, 54948), (474, 54987), (487, 55014), (491, 55023), (492, 55026), (509, 55071), (510, 55080), (514, 55092), (529, 55137), (531, 55143), (532, 55146), (547, 55197), (551, 55206), (555, 55215), (676, 55275), (695, 55314), (725, 55422), (742, 55455), (749, 55473),

Gene: Phaby_79 Start: 48692, Stop: 49924, Start Num: 159

Candidate Starts for Phaby_79:

(Start: 159 @48692 has 48 MA's), (Start: 162 @48698 has 15 MA's), (166, 48704), (Start: 180 @48737 has 9 MA's), (244, 48863), (308, 48995), (341, 49067), (371, 49130), (385, 49160), (452, 49322), (454, 49328), (476, 49364), (514, 49466), (707, 49727), (717, 49760), (720, 49772), (721, 49775), (749, 49844),

Gene: Phaila_76 Start: 45867, Stop: 47114, Start Num: 159

Candidate Starts for Phaila_76:

(Start: 159 @45867 has 48 MA's), (Start: 239 @46029 has 1 MA's), (244, 46041), (279, 46095), (308, 46173), (342, 46248), (385, 46338), (390, 46347), (431, 46440), (452, 46500), (491, 46575), (514, 46644), (749, 47019), (756, 47037),

Gene: Phanita_41 Start: 30883, Stop: 29468, Start Num: 186

Candidate Starts for Phanita_41:

(Start: 186 @30883 has 151 MA's), (Start: 192 @30880 has 23 MA's), (201, 30850), (Start: 204 @30844 has 1 MA's), (224, 30811), (319, 30619), (335, 30592), (360, 30532), (376, 30505), (378, 30502), (399, 30460), (427, 30406), (439, 30364), (493, 30250), (514, 30193), (523, 30172), (534, 30145), (535, 30133), (537, 30130), (545, 30112), (572, 30031), (583, 29995), (600, 29941), (617, 29899), (633, 29869), (644, 29845), (647, 29839), (666, 29797), (687, 29728), (697, 29704), (698, 29698), (699, 29692), (704, 29680), (749, 29557), (753, 29545), (772, 29500),

Gene: Pharpay_40 Start: 25956, Stop: 27863, Start Num: 27

Candidate Starts for Pharpay_40:

(Start: 27 @25956 has 36 MA's), (35, 26019), (41, 26040), (54, 26094), (135, 26271), (156, 26316), (249, 26490), (254, 26499), (297, 26589), (317, 26646), (410, 26832), (469, 26967), (475, 26979), (490, 27012), (534, 27141), (576, 27258), (601, 27333), (690, 27567), (691, 27570), (707, 27630), (737, 27720), (753, 27750), (771, 27792), (799, 27843),

Gene: Phepper_87 Start: 54475, Stop: 55689, Start Num: 161

Candidate Starts for Phepper_87:

(Start: 161 @54475 has 143 MA's), (164, 54481), (Start: 192 @54535 has 23 MA's), (193, 54538), (196, 54550), (218, 54598), (221, 54601), (252, 54643), (279, 54685), (288, 54712), (291, 54718), (306, 54757), (341, 54835), (342, 54838), (371, 54898), (421, 55000), (431, 55030), (448, 55081), (449, 55084), (452, 55090), (470, 55120), (474, 55129), (476, 55132), (486, 55153), (487, 55156), (489, 55162), (492, 55168), (500, 55195), (504, 55204), (510, 55222), (513, 55231), (514, 55234), (517, 55243), (532, 55288), (538, 55312), (547, 55336), (576, 55366), (604, 55381), (684, 55435), (695, 55453), (707, 55495), (749, 55612), (759, 55639), (773, 55672),

Gene: Pherbot_39 Start: 30554, Stop: 29172, Start Num: 186

Candidate Starts for Pherbot_39:

(169, 30581), (Start: 186 @30554 has 151 MA's), (Start: 192 @30551 has 23 MA's), (201, 30521), (270, 30413), (Start: 274 @30407 has 1 MA's), (276, 30404), (283, 30389), (360, 30203), (364, 30194), (378, 30173), (399, 30131), (427, 30077), (514, 29864), (523, 29843), (530, 29828), (534, 29816), (537, 29801), (552, 29765), (556, 29756), (572, 29741), (583, 29705), (619, 29606), (648, 29543),

(659, 29516), (683, 29441), (687, 29435), (691, 29426), (697, 29411), (698, 29405), (699, 29399), (704, 29387), (749, 29264), (753, 29252),

Gene: Pherferi_41 Start: 31114, Stop: 29726, Start Num: 186

Candidate Starts for Pherferi_41:

(4, 31765), (50, 31411), (74, 31336), (Start: 186 @31114 has 151 MA's), (270, 30970), (Start: 274 @30964 has 1 MA's), (276, 30961), (319, 30847), (335, 30820), (360, 30760), (376, 30733), (378, 30730), (427, 30634), (439, 30592), (511, 30430), (514, 30421), (523, 30400), (530, 30385), (534, 30373), (549, 30325), (583, 30265), (619, 30169), (648, 30106), (669, 30052), (698, 29968), (699, 29962), (704, 29950), (734, 29854), (759, 29800), (760, 29797), (771, 29773),

Gene: Pherobrine_84 Start: 54211, Stop: 55428, Start Num: 161

Candidate Starts for Pherobrine_84:

(Start: 161 @54211 has 143 MA's), (Start: 192 @54271 has 23 MA's), (196, 54286), (221, 54337), (252, 54379), (288, 54448), (308, 54499), (330, 54550), (341, 54571), (371, 54634), (434, 54778), (448, 54817), (452, 54826), (476, 54868), (486, 54889), (487, 54892), (492, 54904), (498, 54925), (509, 54949), (510, 54958), (514, 54970), (517, 54979), (531, 55021), (532, 55024), (535, 55042), (538, 55048), (551, 55081), (690, 55177), (695, 55189), (704, 55216), (735, 55318), (742, 55330), (759, 55375),

Gene: PherryCruz_53 Start: 37551, Stop: 38729, Start Num: 162

Candidate Starts for PherryCruz_53:

(Start: 162 @37551 has 15 MA's), (174, 37584), (Start: 180 @37593 has 9 MA's), (207, 37650), (286, 37743), (342, 37872), (385, 37962), (419, 38031), (449, 38118), (452, 38124), (464, 38145), (477, 38169), (485, 38184), (504, 38238), (509, 38247), (514, 38268), (515, 38271), (517, 38277), (528, 38310), (531, 38319), (691, 38475), (711, 38541), (717, 38559), (742, 38625), (744, 38631), (750, 38646), (776, 38706),

Gene: Phiderman_41 Start: 31111, Stop: 29723, Start Num: 186

Candidate Starts for Phiderman_41:

(4, 31762), (50, 31408), (74, 31333), (Start: 186 @31111 has 151 MA's), (270, 30967), (Start: 274 @30961 has 1 MA's), (276, 30958), (319, 30844), (335, 30817), (360, 30757), (376, 30730), (378, 30727), (427, 30631), (439, 30589), (511, 30427), (514, 30418), (523, 30397), (530, 30382), (534, 30370), (549, 30322), (583, 30262), (619, 30166), (648, 30103), (669, 30049), (698, 29965), (699, 29959), (704, 29947), (734, 29851), (759, 29797), (760, 29794), (771, 29770),

Gene: PhillyPhantom_40 Start: 31093, Stop: 29849, Start Num: 270

Candidate Starts for PhillyPhantom_40:

(Start: 123 @31354 has 76 MA's), (169, 31270), (Start: 186 @31240 has 151 MA's), (270, 31093), (Start: 274 @31087 has 1 MA's), (276, 31084), (319, 30970), (335, 30943), (360, 30883), (376, 30856), (378, 30853), (427, 30757), (439, 30715), (514, 30544), (523, 30523), (534, 30496), (583, 30388), (619, 30292), (669, 30175), (675, 30157), (698, 30091), (699, 30085), (704, 30073), (734, 29977), (759, 29923), (760, 29920), (771, 29896), (793, 29866),

Gene: PhillyPhilly_77 Start: 48897, Stop: 47374, Start Num: 129

Candidate Starts for PhillyPhilly_77:

(Start: 129 @48897 has 41 MA's), (182, 48786), (202, 48747), (207, 48738), (232, 48699), (263, 48642), (285, 48600), (310, 48528), (329, 48483), (330, 48480), (387, 48378), (440, 48255), (455, 48219), (473, 48180), (499, 48114), (510, 48087), (516, 48069), (526, 48039), (545, 47979), (558, 47949), (562, 47937), (564, 47931), (690, 47622), (697, 47604), (707, 47562), (709, 47556), (714, 47538), (715, 47535),

Gene: Phireproof_41 Start: 31120, Stop: 29732, Start Num: 186

Candidate Starts for Phireproof_41:

(74, 31342), (Start: 186 @31120 has 151 MA's), (270, 30976), (Start: 274 @30970 has 1 MA's), (276, 30967), (319, 30853), (335, 30826), (360, 30766), (376, 30739), (378, 30736), (427, 30640), (439, 30598), (511, 30436), (514, 30427), (523, 30406), (530, 30391), (534, 30379), (549, 30331), (583, 30271), (619, 30175), (648, 30112), (669, 30058), (698, 29974), (699, 29968), (704, 29956), (734, 29860), (759, 29806), (760, 29803), (771, 29779),

Gene: PhredFlintston_41 Start: 31114, Stop: 29726, Start Num: 186

Candidate Starts for PhredFlintston_41:

(4, 31765), (50, 31411), (74, 31336), (Start: 186 @31114 has 151 MA's), (270, 30970), (Start: 274 @30964 has 1 MA's), (276, 30961), (319, 30847), (335, 30820), (360, 30760), (376, 30733), (378, 30730), (427, 30634), (439, 30592), (511, 30430), (514, 30421), (523, 30400), (530, 30385), (534, 30373), (549, 30325), (583, 30265), (619, 30169), (648, 30106), (669, 30052), (698, 29968), (699, 29962), (704, 29950), (734, 29854), (759, 29800), (760, 29797), (771, 29773),

Gene: Phriends_41 Start: 31120, Stop: 29732, Start Num: 186

Candidate Starts for Phriends_41:

(74, 31342), (Start: 186 @31120 has 151 MA's), (270, 30976), (Start: 274 @30970 has 1 MA's), (276, 30967), (319, 30853), (335, 30826), (360, 30766), (376, 30739), (378, 30736), (383, 30730), (427, 30640), (439, 30598), (514, 30427), (530, 30391), (534, 30379), (545, 30346), (549, 30331), (583, 30271), (619, 30175), (648, 30112), (669, 30058), (698, 29974), (699, 29968), (704, 29956), (734, 29860), (759, 29806), (760, 29803), (771, 29779),

Gene: PhunaPhoke_40 Start: 25929, Stop: 27836, Start Num: 27

Candidate Starts for PhunaPhoke_40:

(Start: 27 @25929 has 36 MA's), (35, 25992), (41, 26013), (54, 26067), (135, 26244), (156, 26289), (249, 26463), (254, 26472), (297, 26562), (317, 26619), (410, 26805), (469, 26940), (475, 26952), (490, 26985), (534, 27114), (576, 27231), (601, 27306), (690, 27540), (691, 27543), (707, 27603), (737, 27693), (753, 27723), (771, 27765), (799, 27816),

Gene: Pikmin_37 Start: 29766, Stop: 28396, Start Num: 192

Candidate Starts for Pikmin_37:

(Start: 192 @29766 has 23 MA's), (265, 29637), (278, 29616), (319, 29505), (321, 29502), (358, 29418), (360, 29412), (365, 29400), (378, 29382), (391, 29361), (427, 29286), (436, 29253), (511, 29082), (512, 29079), (514, 29073), (515, 29070), (530, 29037), (549, 28977), (583, 28917), (585, 28911), (586, 28908), (587, 28905), (617, 28821), (674, 28689), (687, 28650), (697, 28626), (698, 28620), (704, 28602), (734, 28506), (749, 28479), (753, 28467), (766, 28434), (772, 28422),

Gene: PinkFriday_25 Start: 20614, Stop: 22011, Start Num: 123

Candidate Starts for PinkFriday_25:

(Start: 123 @20614 has 76 MA's), (158, 20674), (Start: 204 @20761 has 1 MA's), (215, 20779), (268, 20866), (271, 20872), (289, 20899), (313, 20950), (317, 20956), (360, 21016), (375, 21037), (379, 21046), (405, 21082), (414, 21100), (416, 21103), (433, 21136), (441, 21157), (448, 21175), (451, 21181), (464, 21208), (479, 21235), (503, 21289), (509, 21301), (512, 21316), (521, 21340), (526, 21355), (528, 21361), (534, 21382), (545, 21415), (549, 21430), (554, 21439), (578, 21490), (609, 21562), (641, 21625), (649, 21643), (676, 21715), (682, 21739), (686, 21745), (689, 21748), (696, 21766), (706, 21802), (734, 21889), (790, 21979), (800, 22003),

Gene: Pioneer3_77 Start: 49273, Stop: 47750, Start Num: 129

Candidate Starts for Pioneer3_77:

(91, 49339), (106, 49312), (Start: 129 @49273 has 41 MA's), (202, 49123), (207, 49114), (263, 49018), (282, 48985), (291, 48958), (310, 48904), (329, 48859), (330, 48856), (386, 48751), (387, 48748), (440, 48625), (444, 48616), (448, 48604), (473, 48550), (510, 48457), (545, 48349), (558, 48319),

(560, 48313), (561, 48310), (562, 48307), (574, 48274), (577, 48262), (626, 48136), (651, 48088), (690, 47998), (697, 47980), (709, 47932), (762, 47809),

Gene: Pippin15_76 Start: 46461, Stop: 47579, Start Num: 239

Candidate Starts for Pippin15_76:

(Start: 161 @46302 has 143 MA's), (196, 46377), (Start: 239 @46461 has 1 MA's), (308, 46605), (319, 46641), (342, 46680), (371, 46740), (385, 46770), (449, 46926), (452, 46932), (510, 47064), (517, 47085), (529, 47121), (532, 47130), (549, 47184), (604, 47220), (691, 47283), (707, 47334), (711, 47349), (725, 47400), (742, 47433),

Gene: PitaDog_25 Start: 20567, Stop: 21961, Start Num: 123

Candidate Starts for PitaDog_25:

(Start: 123 @20567 has 76 MA's), (158, 20624), (215, 20729), (217, 20732), (268, 20816), (289, 20849), (313, 20900), (317, 20906), (375, 20987), (376, 20990), (379, 20996), (405, 21032), (414, 21050), (416, 21053), (433, 21086), (441, 21107), (503, 21239), (512, 21266), (526, 21305), (533, 21326), (534, 21332), (545, 21365), (549, 21380), (554, 21389), (576, 21434), (593, 21470), (609, 21512), (641, 21575), (649, 21593), (686, 21695), (689, 21698), (696, 21716), (697, 21719), (705, 21743), (706, 21752), (734, 21839), (790, 21929), (800, 21953),

Gene: Platte_76 Start: 49041, Stop: 47518, Start Num: 129

Candidate Starts for Platte_76:

(91, 49107), (106, 49080), (Start: 129 @49041 has 41 MA's), (202, 48891), (207, 48882), (263, 48786), (282, 48753), (291, 48726), (310, 48672), (329, 48627), (330, 48624), (386, 48519), (387, 48516), (440, 48393), (444, 48384), (448, 48372), (473, 48318), (510, 48225), (545, 48117), (558, 48087), (560, 48081), (561, 48078), (562, 48075), (574, 48042), (577, 48030), (626, 47904), (651, 47856), (690, 47766), (697, 47748), (709, 47700), (762, 47577),

Gene: Pocket_40 Start: 30843, Stop: 29422, Start Num: 186

Candidate Starts for Pocket_40:

(74, 31065), (Start: 186 @30843 has 151 MA's), (270, 30699), (Start: 274 @30693 has 1 MA's), (276, 30690), (319, 30576), (335, 30549), (360, 30489), (376, 30462), (378, 30459), (427, 30363), (439, 30321), (511, 30159), (514, 30150), (523, 30129), (534, 30102), (545, 30069), (549, 30054), (577, 29979), (583, 29961), (619, 29865), (648, 29802), (669, 29748), (698, 29664), (699, 29658), (704, 29646), (724, 29571), (734, 29550), (759, 29496), (760, 29493), (771, 29469),

Gene: Poco6_051 Start: 71433, Stop: 73058, Start Num: 19

Candidate Starts for Poco6_051:

(Start: 19 @71433 has 1 MA's), (34, 71529), (36, 71541), (61, 71634), (Start: 159 @71838 has 48 MA's), (Start: 180 @71886 has 9 MA's), (221, 71967), (290, 72081), (341, 72201), (356, 72240), (371, 72264), (431, 72396), (434, 72408), (449, 72450), (452, 72456), (474, 72495), (487, 72522), (492, 72534), (510, 72588), (514, 72600), (517, 72609), (528, 72642), (538, 72681), (547, 72705), (576, 72735), (579, 72744), (676, 72783), (691, 72813), (695, 72822), (773, 73041),

Gene: PoeMe_77 Start: 46795, Stop: 48042, Start Num: 159

Candidate Starts for PoeMe_77:

(Start: 159 @46795 has 48 MA's), (Start: 239 @46957 has 1 MA's), (244, 46969), (279, 47023), (308, 47101), (385, 47266), (390, 47275), (431, 47368), (452, 47428), (491, 47503), (514, 47572), (749, 47947), (756, 47965),

Gene: Pons_58 Start: 40779, Stop: 39301, Start Num: 143

Candidate Starts for Pons_58:

(87, 40860), (122, 40806), (Start: 143 @40779 has 53 MA's), (179, 40716), (195, 40689), (Start: 204 @40662 has 1 MA's), (234, 40608), (244, 40587), (247, 40584), (267, 40557), (Start: 274 @40545 has

1 MA's), (310, 40452), (378, 40329), (403, 40275), (406, 40269), (409, 40263), (441, 40185), (447, 40170), (492, 40080), (495, 40071), (508, 40044), (527, 39981), (530, 39972), (534, 39960), (540, 39939), (546, 39924), (548, 39915), (559, 39894), (578, 39855), (581, 39846), (586, 39831), (633, 39711), (635, 39708), (652, 39666), (657, 39648), (691, 39552), (707, 39501), (716, 39471), (724, 39438), (752, 39381), (758, 39366),

Gene: Popy_79 Start: 50151, Stop: 51335, Start Num: 161

Candidate Starts for Popy_79:

(Start: 161 @50151 has 143 MA's), (Start: 180 @50196 has 9 MA's), (193, 50214), (196, 50226), (308, 50397), (385, 50571), (449, 50727), (452, 50733), (474, 50772), (477, 50778), (489, 50805), (514, 50877), (532, 50931), (538, 50955), (547, 50979), (549, 50985), (603, 51009), (665, 51015), (707, 51129), (742, 51228), (744, 51234), (756, 51264), (759, 51273), (783, 51318),

Gene: PorkBelly_54 Start: 43266, Stop: 41917, Start Num: 186

Candidate Starts for PorkBelly_54:

(160, 43317), (Start: 186 @43266 has 151 MA's), (201, 43227), (225, 43188), (228, 43182), (Start: 243 @43152 has 1 MA's), (264, 43134), (276, 43116), (283, 43101), (301, 43053), (306, 43041), (332, 42984), (333, 42981), (335, 42978), (444, 42774), (474, 42702), (486, 42678), (507, 42627), (514, 42603), (520, 42585), (527, 42564), (532, 42549), (558, 42480), (571, 42465), (590, 42402), (643, 42300), (645, 42294), (658, 42264), (677, 42210), (683, 42186), (699, 42144), (739, 42018), (741, 42015), (757, 41979),

Gene: PotPie_56 Start: 41318, Stop: 39840, Start Num: 143

Candidate Starts for PotPie_56:

(87, 41396), (120, 41345), (122, 41342), (Start: 143 @41318 has 53 MA's), (179, 41255), (193, 41234), (195, 41228), (Start: 204 @41201 has 1 MA's), (234, 41147), (257, 41111), (267, 41096), (307, 41000), (310, 40991), (316, 40970), (348, 40904), (378, 40868), (403, 40814), (406, 40808), (409, 40802), (441, 40724), (447, 40709), (495, 40610), (522, 40535), (530, 40511), (534, 40499), (540, 40478), (546, 40463), (548, 40454), (559, 40433), (578, 40394), (581, 40385), (586, 40370), (604, 40319), (633, 40250), (635, 40247), (652, 40205), (657, 40187), (691, 40091), (707, 40040), (716, 40010), (724, 39977), (752, 39920), (758, 39905),

Gene: Potatoes_29 Start: 22153, Stop: 23553, Start Num: 123

Candidate Starts for Potatoes_29:

(Start: 123 @22153 has 76 MA's), (158, 22216), (215, 22321), (217, 22324), (268, 22408), (289, 22441), (313, 22492), (317, 22498), (375, 22579), (376, 22582), (379, 22588), (405, 22624), (414, 22642), (416, 22645), (441, 22699), (464, 22750), (503, 22831), (512, 22858), (523, 22888), (526, 22897), (534, 22924), (545, 22957), (549, 22972), (576, 23026), (586, 23047), (592, 23059), (596, 23071), (690, 23293), (694, 23302), (696, 23308), (706, 23344), (723, 23404), (734, 23431), (790, 23521),

Gene: Potty_40 Start: 25934, Stop: 27841, Start Num: 27

Candidate Starts for Potty_40:

(Start: 27 @25934 has 36 MA's), (35, 25997), (41, 26018), (54, 26072), (135, 26249), (156, 26294), (249, 26468), (254, 26477), (297, 26567), (317, 26624), (410, 26810), (469, 26945), (475, 26957), (490, 26990), (534, 27119), (576, 27236), (601, 27311), (690, 27545), (691, 27548), (707, 27608), (737, 27698), (753, 27728), (771, 27770), (799, 27821),

Gene: Poultress_39 Start: 26280, Stop: 28187, Start Num: 27

Candidate Starts for Poultress_39:

(Start: 27 @26280 has 36 MA's), (35, 26343), (41, 26364), (54, 26418), (135, 26595), (156, 26640), (249, 26814), (254, 26823), (297, 26913), (317, 26970), (410, 27156), (469, 27291), (475, 27303), (490, 27336), (534, 27465), (576, 27582), (691, 27894), (707, 27954), (737, 28044), (753, 28074),

(771, 28116), (799, 28167),

Gene: Powelldog_77 Start: 46779, Stop: 48026, Start Num: 161

Candidate Starts for Powelldog_77:

(Start: 161 @46779 has 143 MA's), (244, 46950), (308, 47082), (319, 47118), (342, 47157), (371, 47217), (385, 47247), (421, 47319), (452, 47409), (474, 47448), (476, 47451), (477, 47454), (514, 47553), (749, 47928), (761, 47961),

Gene: Preamble_25 Start: 20577, Stop: 21971, Start Num: 123

Candidate Starts for Preamble_25:

(Start: 123 @20577 has 76 MA's), (158, 20634), (215, 20739), (217, 20742), (268, 20826), (289, 20859), (316, 20913), (317, 20916), (379, 21006), (405, 21042), (416, 21063), (433, 21096), (441, 21117), (464, 21168), (503, 21249), (512, 21276), (526, 21315), (534, 21342), (545, 21375), (549, 21390), (554, 21399), (576, 21444), (593, 21480), (628, 21561), (641, 21585), (649, 21603), (655, 21615), (676, 21675), (682, 21699), (686, 21705), (689, 21708), (696, 21726), (697, 21729), (705, 21753), (706, 21762), (734, 21849), (765, 21900), (790, 21939),

Gene: PrincePhergus_39 Start: 30573, Stop: 29191, Start Num: 186

Candidate Starts for PrincePhergus_39:

(169, 30600), (Start: 186 @30573 has 151 MA's), (Start: 192 @30570 has 23 MA's), (201, 30540), (270, 30432), (Start: 274 @30426 has 1 MA's), (276, 30423), (283, 30408), (357, 30231), (360, 30222), (364, 30213), (378, 30192), (399, 30150), (427, 30096), (514, 29883), (523, 29862), (530, 29847), (534, 29835), (537, 29820), (552, 29784), (556, 29775), (572, 29760), (583, 29724), (619, 29625), (648, 29562), (659, 29535), (683, 29460), (687, 29454), (691, 29445), (697, 29430), (698, 29424), (699, 29418), (704, 29406), (749, 29283), (753, 29271),

Gene: ProfFrink_74 Start: 46122, Stop: 47351, Start Num: 161

Candidate Starts for ProfFrink_74:

(Start: 161 @46122 has 143 MA's), (244, 46293), (308, 46425), (371, 46560), (385, 46590), (412, 46647), (452, 46752), (454, 46758), (474, 46791), (514, 46896), (677, 47076), (756, 47289), (775, 47334),

Gene: PsychoKiller_52 Start: 38727, Stop: 37249, Start Num: 143

Candidate Starts for PsychoKiller_52:

(Start: 143 @38727 has 53 MA's), (193, 38640), (195, 38634), (234, 38553), (244, 38532), (307, 38409), (308, 38406), (403, 38223), (406, 38217), (409, 38211), (441, 38133), (495, 38019), (508, 37992), (514, 37968), (534, 37908), (548, 37863), (559, 37842), (578, 37803), (584, 37785), (631, 37668), (652, 37620), (653, 37617), (657, 37602), (691, 37506), (698, 37485), (707, 37455),

Gene: Pumancara_25 Start: 20596, Stop: 21993, Start Num: 123

Candidate Starts for Pumancara_25:

(Start: 123 @20596 has 76 MA's), (158, 20656), (Start: 204 @20743 has 1 MA's), (215, 20761), (268, 20848), (271, 20854), (289, 20881), (313, 20932), (317, 20938), (360, 20998), (375, 21019), (379, 21028), (405, 21064), (414, 21082), (416, 21085), (433, 21118), (441, 21139), (451, 21163), (464, 21190), (479, 21217), (503, 21271), (509, 21283), (512, 21298), (521, 21322), (526, 21337), (534, 21364), (545, 21397), (549, 21412), (554, 21421), (578, 21472), (609, 21544), (628, 21583), (641, 21607), (649, 21625), (676, 21697), (682, 21721), (686, 21727), (689, 21730), (696, 21748), (706, 21784), (734, 21871), (760, 21910), (790, 21961), (800, 21985), (802, 21988),

Gene: PuppyEggo_41 Start: 31121, Stop: 29733, Start Num: 186

Candidate Starts for PuppyEggo_41:

(4, 31772), (50, 31418), (74, 31343), (Start: 186 @31121 has 151 MA's), (270, 30977), (Start: 274 @30971 has 1 MA's), (276, 30968), (319, 30854), (335, 30827), (360, 30767), (376, 30740), (378,

30737), (427, 30641), (439, 30599), (514, 30428), (523, 30407), (534, 30380), (549, 30332), (583, 30272), (648, 30113), (669, 30059), (698, 29975), (699, 29969), (704, 29957), (734, 29861), (759, 29807), (760, 29804), (771, 29780),

Gene: QuadZero_39 Start: 29101, Stop: 27674, Start Num: 188

Candidate Starts for QuadZero_39:

(158, 29158), (Start: 188 @29101 has 25 MA's), (199, 29071), (201, 29065), (Start: 274 @28951 has 1 MA's), (276, 28948), (278, 28945), (376, 28711), (378, 28708), (493, 28453), (512, 28402), (514, 28396), (534, 28348), (545, 28315), (549, 28300), (583, 28201), (600, 28147), (602, 28141), (615, 28114), (648, 28042), (675, 27970), (687, 27934), (691, 27925), (697, 27910), (698, 27904), (704, 27886), (716, 27844), (739, 27781), (771, 27709),

Gene: Quantum_123 Start: 82180, Stop: 80537, Start Num: 79

Candidate Starts for Quantum_123:

(Start: 79 @82180 has 9 MA's), (88, 82156), (145, 82048), (199, 81943), (220, 81904), (248, 81853), (293, 81760), (314, 81700), (326, 81676), (328, 81673), (342, 81646), (395, 81553), (459, 81400), (470, 81376), (472, 81373), (487, 81340), (492, 81328), (516, 81256), (541, 81178), (560, 81133), (613, 80986), (637, 80941), (651, 80911), (662, 80881), (667, 80869), (689, 80803), (716, 80713), (717, 80710), (762, 80614), (765, 80608), (779, 80581),

Gene: Quartz_40 Start: 30748, Stop: 29336, Start Num: 192

Candidate Starts for Quartz_40:

(Start: 186 @30751 has 151 MA's), (Start: 192 @30748 has 23 MA's), (201, 30718), (Start: 204 @30712 has 1 MA's), (224, 30679), (Start: 274 @30604 has 1 MA's), (278, 30598), (319, 30487), (335, 30460), (357, 30409), (360, 30400), (376, 30373), (378, 30370), (399, 30328), (427, 30274), (493, 30118), (512, 30067), (514, 30061), (523, 30040), (527, 30034), (530, 30025), (534, 30013), (535, 30001), (565, 29923), (583, 29863), (585, 29857), (600, 29809), (617, 29767), (648, 29704), (654, 29692), (664, 29668), (666, 29665), (687, 29596), (691, 29587), (697, 29572), (698, 29566), (699, 29560), (704, 29548), (739, 29443), (749, 29425), (753, 29413), (772, 29368),

Gene: Quasar_53 Start: 39431, Stop: 37953, Start Num: 143

Candidate Starts for Quasar_53:

(Start: 143 @39431 has 53 MA's), (193, 39344), (195, 39338), (244, 39236), (307, 39113), (308, 39110), (403, 38927), (406, 38921), (409, 38915), (441, 38837), (495, 38723), (508, 38696), (514, 38672), (534, 38612), (548, 38567), (559, 38546), (578, 38507), (584, 38489), (631, 38372), (652, 38324), (653, 38321), (657, 38306), (691, 38210), (698, 38189), (707, 38159),

Gene: Qui_140 Start: 73635, Stop: 74879, Start Num: 159

Candidate Starts for Qui_140:

(Start: 159 @73635 has 48 MA's), (174, 73674), (Start: 180 @73683 has 9 MA's), (244, 73809), (279, 73863), (371, 74076), (385, 74106), (419, 74175), (452, 74268), (509, 74391), (514, 74412), (535, 74484), (555, 74532), (578, 74550), (690, 74616), (711, 74685), (725, 74736), (749, 74787), (756, 74805),

Gene: RADical_54 Start: 38721, Stop: 37243, Start Num: 143

Candidate Starts for RADical_54:

(Start: 143 @38721 has 53 MA's), (193, 38634), (195, 38628), (234, 38547), (244, 38526), (308, 38400), (403, 38217), (406, 38211), (409, 38205), (441, 38127), (495, 38013), (508, 37986), (514, 37962), (534, 37902), (548, 37857), (559, 37836), (578, 37797), (584, 37779), (631, 37662), (652, 37614), (653, 37611), (657, 37596), (691, 37500), (698, 37479), (707, 37449),

Gene: RAP15_29 Start: 22157, Stop: 23557, Start Num: 123

Candidate Starts for RAP15_29:

(Start: 123 @22157 has 76 MA's), (158, 22220), (215, 22325), (217, 22328), (268, 22412), (289, 22445), (313, 22496), (317, 22502), (375, 22583), (376, 22586), (379, 22592), (405, 22628), (414, 22646), (416, 22649), (441, 22703), (464, 22754), (503, 22835), (512, 22862), (523, 22892), (526, 22901), (534, 22928), (545, 22961), (549, 22976), (576, 23030), (586, 23051), (592, 23063), (596, 23075), (690, 23297), (694, 23306), (696, 23312), (706, 23348), (723, 23408), (734, 23435), (790, 23525),

Gene: RSchmailzl_54 Start: 38877, Stop: 37399, Start Num: 143

Candidate Starts for RSchmailzl_54:

(Start: 143 @38877 has 53 MA's), (193, 38790), (195, 38784), (244, 38682), (308, 38556), (403, 38373), (406, 38367), (409, 38361), (441, 38283), (495, 38169), (508, 38142), (514, 38118), (534, 38058), (548, 38013), (559, 37992), (578, 37953), (584, 37935), (631, 37818), (652, 37770), (653, 37767), (657, 37752), (691, 37656), (698, 37635), (707, 37605), (788, 37416),

Gene: Raccoon_40 Start: 31223, Stop: 29832, Start Num: 186

Candidate Starts for Raccoon_40:

(119, 31325), (Start: 121 @31322 has 1 MA's), (Start: 123 @31319 has 76 MA's), (Start: 186 @31223 has 151 MA's), (270, 31076), (Start: 274 @31070 has 1 MA's), (276, 31067), (319, 30953), (335, 30926), (360, 30866), (376, 30839), (378, 30836), (427, 30740), (439, 30698), (514, 30527), (523, 30506), (534, 30479), (583, 30371), (619, 30275), (669, 30158), (675, 30140), (698, 30074), (699, 30068), (704, 30056), (734, 29960), (759, 29906), (760, 29903), (771, 29879), (793, 29849),

Gene: Rachella_40 Start: 25937, Stop: 27844, Start Num: 27

Candidate Starts for Rachella_40:

(Start: 27 @25937 has 36 MA's), (35, 26000), (41, 26021), (54, 26075), (135, 26252), (156, 26297), (249, 26471), (254, 26480), (297, 26570), (317, 26627), (410, 26813), (469, 26948), (475, 26960), (490, 26993), (534, 27122), (576, 27239), (601, 27314), (690, 27548), (691, 27551), (707, 27611), (737, 27701), (753, 27731), (771, 27773), (799, 27824),

Gene: Rainydai_86 Start: 51423, Stop: 52613, Start Num: 161

Candidate Starts for Rainydai_86:

(Start: 161 @51423 has 143 MA's), (209, 51528), (279, 51597), (342, 51750), (349, 51768), (395, 51855), (419, 51909), (452, 52002), (468, 52029), (517, 52155), (535, 52218), (547, 52248), (555, 52266), (711, 52413), (733, 52482), (742, 52497), (748, 52512), (754, 52530), (756, 52533), (759, 52542),

Gene: RanchParmCat_57 Start: 39886, Stop: 38411, Start Num: 146

Candidate Starts for RanchParmCat_57:

(Start: 146 @39886 has 11 MA's), (168, 39844), (195, 39796), (Start: 204 @39769 has 1 MA's), (221, 39739), (234, 39715), (244, 39694), (250, 39685), (257, 39679), (Start: 274 @39652 has 1 MA's), (297, 39595), (301, 39586), (308, 39568), (310, 39562), (378, 39439), (403, 39385), (406, 39379), (409, 39373), (436, 39310), (441, 39295), (447, 39280), (527, 39091), (530, 39082), (540, 39049), (556, 39010), (560, 39001), (578, 38965), (584, 38947), (586, 38941), (601, 38896), (604, 38890), (633, 38821), (653, 38773), (657, 38758), (673, 38716), (691, 38662), (702, 38629), (707, 38611), (724, 38548), (749, 38500), (753, 38488), (757, 38479), (788, 38422),

Gene: Rapheph_41 Start: 31114, Stop: 29726, Start Num: 186

Candidate Starts for Rapheph_41:

(4, 31765), (50, 31411), (74, 31336), (Start: 186 @31114 has 151 MA's), (270, 30970), (Start: 274 @30964 has 1 MA's), (276, 30961), (319, 30847), (335, 30820), (360, 30760), (376, 30733), (378, 30730), (427, 30634), (439, 30592), (511, 30430), (514, 30421), (523, 30400), (530, 30385), (534, 30373), (549, 30325), (583, 30265), (619, 30169), (648, 30106), (669, 30052), (698, 29968), (699, 29962), (704, 29950), (734, 29854), (759, 29800), (760, 29797), (771, 29773),

Gene: Raptor_41 Start: 31121, Stop: 29733, Start Num: 186

Candidate Starts for Raptor_41:

(74, 31343), (Start: 186 @31121 has 151 MA's), (270, 30977), (Start: 274 @30971 has 1 MA's), (276, 30968), (319, 30854), (335, 30827), (360, 30767), (376, 30740), (378, 30737), (427, 30641), (439, 30599), (514, 30428), (523, 30407), (530, 30392), (534, 30380), (549, 30332), (583, 30272), (619, 30176), (648, 30113), (669, 30059), (698, 29975), (699, 29969), (704, 29957), (724, 29882), (734, 29861), (759, 29807), (760, 29804), (771, 29780),

Gene: Rasovi_33 Start: 23465, Stop: 24892, Start Num: 126

Candidate Starts for Rasovi_33:

(99, 23426), (Start: 114 @23447 has 1 MA's), (Start: 126 @23465 has 19 MA's), (316, 23822), (360, 23885), (389, 23930), (405, 23951), (519, 24218), (534, 24266), (539, 24287), (549, 24314), (568, 24341), (569, 24344), (576, 24371), (578, 24377), (595, 24413), (630, 24491), (641, 24512), (649, 24530), (655, 24542), (686, 24626), (706, 24683), (710, 24695), (721, 24734), (734, 24770), (738, 24776),

Gene: Rasputia_111 Start: 69328, Stop: 71340, Start Num: 9

Candidate Starts for Rasputia_111:

(Start: 9 @69328 has 4 MA's), (37, 69541), (42, 69556), (43, 69559), (51, 69595), (55, 69616), (60, 69628), (80, 69682), (147, 69802), (217, 69931), (262, 70009), (305, 70105), (320, 70150), (340, 70171), (350, 70195), (367, 70219), (397, 70264), (402, 70285), (429, 70330), (438, 70360), (481, 70456), (488, 70471), (493, 70483), (502, 70510), (508, 70522), (512, 70540), (531, 70594), (545, 70639), (549, 70654), (578, 70723), (597, 70777), (608, 70801), (611, 70810), (630, 70855), (632, 70858), (663, 70930), (676, 70972), (682, 70999), (691, 71014), (693, 71017), (698, 71038), (744, 71176), (755, 71203), (774, 71248), (808, 71329),

Gene: Raunak_75 Start: 45832, Stop: 47061, Start Num: 161

Candidate Starts for Raunak_75:

(Start: 161 @45832 has 143 MA's), (244, 46003), (308, 46135), (371, 46270), (385, 46300), (412, 46357), (452, 46462), (454, 46468), (474, 46501), (514, 46606), (677, 46786), (756, 46999), (775, 47044),

Gene: RavenPuff_54 Start: 37520, Stop: 38698, Start Num: 162

Candidate Starts for RavenPuff_54:

(Start: 162 @37520 has 15 MA's), (174, 37553), (Start: 180 @37562 has 9 MA's), (207, 37619), (286, 37712), (342, 37841), (385, 37931), (390, 37940), (412, 37988), (419, 38000), (452, 38093), (464, 38114), (477, 38138), (485, 38153), (504, 38207), (509, 38216), (514, 38237), (515, 38240), (517, 38246), (528, 38279), (665, 38381), (691, 38444), (695, 38453), (711, 38510), (717, 38528), (742, 38594), (750, 38615), (776, 38675),

Gene: RcigaStruga_29 Start: 22127, Stop: 23518, Start Num: 123

Candidate Starts for RcigaStruga_29:

(Start: 123 @22127 has 76 MA's), (173, 22214), (215, 22286), (217, 22289), (254, 22355), (268, 22373), (271, 22379), (289, 22406), (317, 22463), (375, 22544), (379, 22553), (405, 22589), (414, 22607), (433, 22643), (441, 22664), (448, 22682), (464, 22715), (488, 22754), (503, 22796), (512, 22823), (521, 22847), (533, 22883), (534, 22889), (545, 22922), (549, 22937), (554, 22946), (576, 22991), (592, 23024), (593, 23027), (628, 23108), (646, 23144), (649, 23150), (655, 23162), (686, 23252), (696, 23273), (697, 23276), (705, 23300), (706, 23309), (734, 23396), (765, 23447), (790, 23486), (800, 23510),

Gene: RedBaron_58 Start: 39379, Stop: 37904, Start Num: 146

Candidate Starts for RedBaron_58:

(140, 39388), (Start: 146 @39379 has 11 MA's), (179, 39316), (193, 39295), (195, 39289), (234, 39208), (244, 39187), (307, 39064), (308, 39061), (383, 38926), (403, 38878), (406, 38872), (409, 38866), (441, 38788), (495, 38674), (508, 38647), (514, 38623), (534, 38563), (548, 38518), (559, 38497), (578, 38458), (584, 38440), (631, 38323), (652, 38275), (653, 38272), (657, 38257), (691, 38161), (698, 38140), (707, 38110),

Gene: Redfield_40 Start: 31255, Stop: 29864, Start Num: 186

Candidate Starts for Redfield_40:

(119, 31357), (Start: 121 @31354 has 1 MA's), (Start: 123 @31351 has 76 MA's), (Start: 186 @31255 has 151 MA's), (270, 31108), (Start: 274 @31102 has 1 MA's), (276, 31099), (319, 30985), (335, 30958), (360, 30898), (376, 30871), (378, 30868), (427, 30772), (439, 30730), (514, 30559), (523, 30538), (534, 30511), (583, 30403), (619, 30307), (669, 30190), (675, 30172), (698, 30106), (699, 30100), (704, 30088), (734, 29992), (759, 29938), (760, 29935), (771, 29911), (793, 29881),

Gene: Regigigas_89 Start: 51035, Stop: 52225, Start Num: 161

Candidate Starts for Regigigas_89:

(Start: 161 @51035 has 143 MA's), (209, 51140), (279, 51209), (342, 51362), (349, 51380), (395, 51467), (419, 51521), (452, 51614), (468, 51641), (517, 51767), (535, 51830), (547, 51860), (555, 51878), (711, 52025), (733, 52094), (742, 52109), (748, 52124), (754, 52142), (756, 52145), (759, 52154),

Gene: Renaldo_84 Start: 47621, Stop: 48868, Start Num: 159

Candidate Starts for Renaldo_84:

(Start: 159 @47621 has 48 MA's), (244, 47795), (279, 47849), (308, 47927), (385, 48092), (390, 48101), (452, 48254), (514, 48398), (749, 48773), (756, 48791),

Gene: RenegadeRaider_42 Start: 30486, Stop: 29236, Start Num: 270

Candidate Starts for RenegadeRaider_42:

(98, 30789), (125, 30744), (139, 30714), (169, 30660), (Start: 177 @30642 has 2 MA's), (Start: 186 @30630 has 151 MA's), (Start: 192 @30624 has 23 MA's), (201, 30594), (270, 30486), (Start: 274 @30480 has 1 MA's), (276, 30477), (283, 30462), (360, 30276), (364, 30267), (378, 30246), (399, 30204), (427, 30150), (514, 29937), (523, 29916), (530, 29901), (534, 29889), (537, 29874), (552, 29838), (556, 29829), (572, 29814), (583, 29778), (619, 29679), (648, 29616), (659, 29589), (683, 29514), (687, 29508), (691, 29499), (697, 29484), (698, 29478), (699, 29472), (749, 29337), (753, 29325), (794, 29250),

Gene: Renzie_41 Start: 31109, Stop: 29721, Start Num: 186

Candidate Starts for Renzie_41:

(74, 31331), (Start: 186 @31109 has 151 MA's), (270, 30965), (Start: 274 @30959 has 1 MA's), (276, 30956), (319, 30842), (335, 30815), (360, 30755), (376, 30728), (378, 30725), (427, 30629), (439, 30587), (514, 30416), (523, 30395), (530, 30380), (534, 30368), (549, 30320), (583, 30260), (619, 30164), (648, 30101), (669, 30047), (698, 29963), (699, 29957), (704, 29945), (724, 29870), (734, 29849), (759, 29795), (760, 29792), (771, 29768),

Gene: Rickmore_86 Start: 54058, Stop: 55281, Start Num: 161

Candidate Starts for Rickmore_86:

(Start: 161 @54058 has 143 MA's), (164, 54064), (Start: 192 @54118 has 23 MA's), (193, 54121), (196, 54133), (207, 54160), (209, 54163), (221, 54184), (252, 54226), (279, 54268), (291, 54301), (308, 54346), (341, 54418), (342, 54421), (371, 54481), (421, 54583), (431, 54613), (448, 54664), (452, 54673), (474, 54712), (476, 54715), (487, 54739), (492, 54751), (500, 54778), (504, 54787), (510, 54805), (513, 54814), (514, 54817), (531, 54868), (547, 54919), (576, 54949), (695, 55036), (725, 55144), (749, 55195), (759, 55222), (773, 55255), (785, 55270),

Gene: Rie18_40 Start: 25493, Stop: 27400, Start Num: 27

Candidate Starts for Rie18_40:

(5, 25319), (Start: 27 @25493 has 36 MA's), (35, 25556), (41, 25577), (54, 25631), (127, 25793), (135, 25808), (156, 25853), (249, 26027), (254, 26036), (297, 26126), (298, 26129), (311, 26168), (317, 26183), (396, 26333), (410, 26369), (457, 26477), (469, 26504), (475, 26516), (490, 26549), (534, 26678), (576, 26795), (691, 27107), (707, 27167), (737, 27257), (753, 27287), (756, 27293), (771, 27329), (799, 27380),

Gene: RikSengupta_42 Start: 26725, Stop: 28659, Start Num: 29

Candidate Starts for RikSengupta_42:

(Start: 12 @26629 has 1 MA's), (26, 26719), (Start: 29 @26725 has 6 MA's), (54, 26872), (59, 26890), (135, 27049), (198, 27175), (249, 27265), (254, 27274), (297, 27364), (311, 27406), (322, 27436), (393, 27568), (475, 27754), (483, 27772), (490, 27787), (511, 27844), (531, 27904), (556, 27976), (592, 28093), (597, 28114), (624, 28180), (635, 28210), (666, 28288), (691, 28366), (707, 28426), (719, 28465), (737, 28516), (749, 28534), (801, 28642),

Gene: Rima_82 Start: 49849, Stop: 51033, Start Num: 161

Candidate Starts for Rima_82:

(Start: 161 @49849 has 143 MA's), (Start: 180 @49894 has 9 MA's), (196, 49924), (308, 50095), (341, 50167), (356, 50206), (385, 50269), (452, 50431), (474, 50470), (477, 50476), (489, 50503), (514, 50575), (532, 50629), (538, 50653), (547, 50677), (549, 50683), (603, 50707), (665, 50713), (707, 50827), (742, 50926), (744, 50932), (756, 50962), (759, 50971), (791, 51025),

Gene: Rings_71 Start: 47461, Stop: 46067, Start Num: 129

Candidate Starts for Rings_71:

(Start: 129 @47461 has 41 MA's), (165, 47392), (202, 47317), (212, 47299), (232, 47269), (281, 47188), (347, 47038), (426, 46894), (437, 46855), (489, 46741), (513, 46690), (531, 46669), (540, 46639), (546, 46624), (549, 46612), (594, 46531), (626, 46483), (641, 46456), (651, 46435), (680, 46351), (705, 46285), (790, 46096), (796, 46084),

Gene: Riovina_26 Start: 21745, Stop: 23139, Start Num: 123

Candidate Starts for Riovina_26:

(Start: 123 @21745 has 76 MA's), (158, 21802), (Start: 204 @21889 has 1 MA's), (215, 21907), (217, 21910), (268, 21994), (289, 22027), (313, 22078), (317, 22084), (360, 22144), (379, 22174), (405, 22210), (414, 22228), (441, 22285), (448, 22303), (451, 22309), (464, 22336), (503, 22417), (512, 22444), (521, 22468), (526, 22483), (534, 22510), (545, 22543), (549, 22558), (609, 22690), (625, 22726), (641, 22753), (646, 22765), (655, 22783), (686, 22873), (690, 22879), (696, 22894), (697, 22897), (706, 22930), (723, 22990), (734, 23017), (768, 23074), (790, 23107), (800, 23131),

Gene: Riverdale_29 Start: 22087, Stop: 23487, Start Num: 123

Candidate Starts for Riverdale_29:

(Start: 123 @22087 has 76 MA's), (158, 22150), (215, 22255), (217, 22258), (268, 22342), (289, 22375), (313, 22426), (317, 22432), (375, 22513), (376, 22516), (379, 22522), (405, 22558), (414, 22576), (416, 22579), (433, 22612), (441, 22633), (448, 22651), (464, 22684), (503, 22765), (512, 22792), (523, 22822), (526, 22831), (534, 22858), (545, 22891), (549, 22906), (576, 22960), (586, 22981), (592, 22993), (596, 23005), (690, 23227), (694, 23236), (696, 23242), (706, 23278), (723, 23338), (734, 23365), (790, 23455),

Gene: Riyhil_41 Start: 31124, Stop: 29736, Start Num: 186

Candidate Starts for Riyhil_41:

(74, 31346), (Start: 186 @31124 has 151 MA's), (270, 30980), (Start: 274 @30974 has 1 MA's), (276, 30971), (319, 30857), (335, 30830), (360, 30770), (376, 30743), (378, 30740), (427, 30644), (439, 30602), (514, 30431), (523, 30410), (530, 30395), (534, 30383), (549, 30335), (583, 30275), (619,

30179), (648, 30116), (669, 30062), (698, 29978), (699, 29972), (704, 29960), (734, 29864), (759, 29810), (760, 29807), (771, 29783),

Gene: Robinson_41 Start: 31112, Stop: 29724, Start Num: 186

Candidate Starts for Robinson_41:

(74, 31334), (Start: 186 @31112 has 151 MA's), (270, 30968), (Start: 274 @30962 has 1 MA's), (276, 30959), (319, 30845), (335, 30818), (360, 30758), (376, 30731), (378, 30728), (427, 30632), (439, 30590), (514, 30419), (523, 30398), (530, 30383), (534, 30371), (549, 30323), (583, 30263), (619, 30167), (648, 30104), (669, 30050), (698, 29966), (699, 29960), (704, 29948), (734, 29852), (759, 29798), (760, 29795), (771, 29771),

Gene: Rog141_40 Start: 30803, Stop: 29415, Start Num: 186

Candidate Starts for Rog141_40:

(4, 31454), (50, 31100), (74, 31025), (Start: 186 @30803 has 151 MA's), (270, 30659), (Start: 274 @30653 has 1 MA's), (276, 30650), (319, 30536), (335, 30509), (360, 30449), (376, 30422), (378, 30419), (427, 30323), (439, 30281), (514, 30110), (523, 30089), (530, 30074), (549, 30014), (583, 29954), (619, 29858), (648, 29795), (669, 29741), (698, 29657), (699, 29651), (704, 29639), (734, 29543), (759, 29489), (760, 29486), (771, 29462),

Gene: Roman_81 Start: 50015, Stop: 48492, Start Num: 129

Candidate Starts for Roman_81:

(33, 50276), (Start: 129 @50015 has 41 MA's), (182, 49904), (202, 49865), (207, 49856), (263, 49760), (285, 49718), (291, 49700), (329, 49601), (330, 49598), (361, 49538), (387, 49496), (440, 49373), (455, 49337), (473, 49298), (499, 49232), (510, 49205), (516, 49187), (526, 49157), (545, 49097), (558, 49067), (562, 49055), (564, 49049), (690, 48740), (697, 48722), (707, 48680), (709, 48674), (714, 48656), (715, 48653),

Gene: Roney_85 Start: 53676, Stop: 54896, Start Num: 161

Candidate Starts for Roney_85:

(Start: 161 @53676 has 143 MA's), (Start: 192 @53736 has 23 MA's), (193, 53739), (207, 53778), (221, 53802), (252, 53844), (279, 53886), (291, 53919), (306, 53958), (308, 53964), (341, 54036), (371, 54099), (421, 54201), (431, 54231), (436, 54249), (448, 54282), (449, 54285), (452, 54291), (482, 54348), (487, 54357), (491, 54366), (492, 54369), (504, 54405), (509, 54414), (510, 54423), (514, 54435), (531, 54486), (532, 54489), (547, 54540), (551, 54549), (676, 54618), (695, 54657), (725, 54765), (742, 54798), (749, 54816), (759, 54843),

Gene: Rooney_70 Start: 50294, Stop: 48408, Start Num: 23

Candidate Starts for Rooney_70:

(Start: 23 @50294 has 8 MA's), (Start: 29 @50279 has 6 MA's), (35, 50216), (38, 50207), (68, 50102), (82, 50063), (93, 50039), (135, 49964), (Start: 143 @49940 has 53 MA's), (227, 49781), (249, 49742), (254, 49733), (303, 49625), (357, 49517), (382, 49469), (431, 49364), (448, 49313), (475, 49253), (501, 49187), (510, 49166), (511, 49163), (545, 49058), (547, 49049), (553, 49037), (588, 48938), (644, 48821), (649, 48809), (657, 48782), (691, 48692), (697, 48677), (710, 48623), (725, 48566), (779, 48458), (794, 48440),

Gene: Rootkit7_33 Start: 23258, Stop: 24685, Start Num: 126

Candidate Starts for Rootkit7_33:

(102, 23216), (Start: 126 @23258 has 19 MA's), (300, 23576), (389, 23723), (405, 23744), (519, 24011), (534, 24059), (539, 24080), (569, 24137), (578, 24170), (595, 24206), (630, 24284), (641, 24305), (675, 24386), (676, 24389), (706, 24476), (710, 24488), (721, 24527), (734, 24563), (738, 24569), (745, 24581), (782, 24644),

Gene: RosaAsantewaa_50 Start: 36703, Stop: 37884, Start Num: 162

Candidate Starts for RosaAsantewaa_50:

(Start: 162 @36703 has 15 MA's), (196, 36775), (211, 36814), (259, 36844), (279, 36874), (305, 36943), (308, 36952), (371, 37087), (373, 37090), (385, 37117), (398, 37138), (419, 37186), (421, 37189), (434, 37231), (452, 37279), (474, 37318), (491, 37354), (514, 37423), (538, 37501), (555, 37543), (665, 37561), (684, 37615), (744, 37780), (750, 37795), (754, 37807), (759, 37819), (795, 37879),

Gene: RosieMae_40 Start: 30861, Stop: 29473, Start Num: 186

Candidate Starts for RosieMae_40:

(74, 31083), (Start: 186 @30861 has 151 MA's), (270, 30717), (Start: 274 @30711 has 1 MA's), (276, 30708), (316, 30603), (319, 30594), (335, 30567), (360, 30507), (376, 30480), (378, 30477), (427, 30381), (439, 30339), (514, 30168), (523, 30147), (530, 30132), (549, 30072), (583, 30012), (619, 29916), (648, 29853), (669, 29799), (698, 29715), (699, 29709), (704, 29697), (734, 29601), (759, 29547), (760, 29544), (771, 29520),

Gene: Rozby_29 Start: 22088, Stop: 23488, Start Num: 123

Candidate Starts for Rozby_29:

(Start: 123 @22088 has 76 MA's), (158, 22151), (215, 22256), (217, 22259), (268, 22343), (289, 22376), (313, 22427), (317, 22433), (375, 22514), (376, 22517), (379, 22523), (405, 22559), (414, 22577), (416, 22580), (433, 22613), (441, 22634), (448, 22652), (464, 22685), (503, 22766), (512, 22793), (523, 22823), (526, 22832), (534, 22859), (545, 22892), (549, 22907), (576, 22961), (586, 22982), (592, 22994), (596, 23006), (690, 23228), (694, 23237), (696, 23243), (706, 23279), (723, 23339), (734, 23366), (790, 23456),

Gene: Runhaar_84 Start: 54080, Stop: 55294, Start Num: 161

Candidate Starts for Runhaar_84:

(Start: 161 @54080 has 143 MA's), (164, 54086), (Start: 192 @54140 has 23 MA's), (193, 54143), (196, 54155), (221, 54206), (252, 54248), (279, 54290), (288, 54317), (291, 54323), (306, 54362), (308, 54368), (341, 54440), (342, 54443), (371, 54503), (421, 54605), (431, 54635), (439, 54662), (448, 54686), (452, 54695), (470, 54725), (474, 54734), (476, 54737), (487, 54761), (492, 54773), (500, 54800), (504, 54809), (510, 54827), (513, 54836), (514, 54839), (517, 54848), (532, 54893), (538, 54917), (547, 54941), (604, 54986), (684, 55040), (690, 55046), (695, 55058), (725, 55166), (749, 55217), (759, 55244), (773, 55277),

Gene: RunningBrook_86 Start: 50790, Stop: 49270, Start Num: 129

Candidate Starts for RunningBrook_86:

(111, 50823), (Start: 129 @50790 has 41 MA's), (153, 50739), (207, 50631), (245, 50565), (283, 50499), (329, 50376), (336, 50361), (364, 50304), (386, 50271), (387, 50268), (420, 50205), (437, 50154), (440, 50145), (444, 50136), (466, 50082), (486, 50043), (492, 50028), (516, 49959), (526, 49929), (546, 49866), (574, 49794), (651, 49608), (697, 49500), (705, 49470), (717, 49425), (734, 49374), (771, 49311),

Gene: RustyBoy_78 Start: 46576, Stop: 47826, Start Num: 161

Candidate Starts for RustyBoy_78:

(Start: 161 @46576 has 143 MA's), (244, 46747), (308, 46879), (319, 46915), (342, 46954), (371, 47014), (385, 47044), (452, 47206), (474, 47245), (514, 47350), (578, 47488), (691, 47557), (735, 47695), (749, 47725), (756, 47743),

Gene: SBlackberry_33 Start: 23236, Stop: 24663, Start Num: 126

Candidate Starts for SBlackberry_33:

(Start: 126 @23236 has 19 MA's), (300, 23554), (316, 23593), (360, 23656), (389, 23701), (405, 23722), (451, 23821), (519, 23989), (534, 24037), (539, 24058), (549, 24085), (568, 24112), (576, 24142), (577, 24145), (578, 24148), (595, 24184), (630, 24262), (668, 24346), (675, 24364), (676,

24367), (706, 24454), (710, 24466), (721, 24505), (734, 24541), (738, 24547), (765, 24592), (782, 24622),

Gene: SJay_41 Start: 31115, Stop: 29727, Start Num: 186

Candidate Starts for SJay_41:

(4, 31766), (50, 31412), (74, 31337), (Start: 186 @31115 has 151 MA's), (270, 30971), (Start: 274 @30965 has 1 MA's), (276, 30962), (319, 30848), (335, 30821), (360, 30761), (376, 30734), (378, 30731), (427, 30635), (439, 30593), (511, 30431), (514, 30422), (523, 30401), (530, 30386), (534, 30374), (549, 30326), (583, 30266), (619, 30170), (648, 30107), (669, 30053), (698, 29969), (699, 29963), (704, 29951), (724, 29876), (734, 29855), (759, 29801), (760, 29798), (771, 29774),

Gene: SafetyGuy_40 Start: 25917, Stop: 27824, Start Num: 27

Candidate Starts for SafetyGuy_40:

(Start: 27 @25917 has 36 MA's), (35, 25980), (41, 26001), (54, 26055), (135, 26232), (156, 26277), (249, 26451), (254, 26460), (297, 26550), (317, 26607), (410, 26793), (469, 26928), (475, 26940), (490, 26973), (534, 27102), (576, 27219), (601, 27294), (690, 27528), (691, 27531), (707, 27591), (737, 27681), (753, 27711), (771, 27753), (799, 27804),

Gene: Salk_74 Start: 46139, Stop: 47368, Start Num: 161

Candidate Starts for Salk_74:

(Start: 161 @46139 has 143 MA's), (244, 46310), (308, 46442), (371, 46577), (385, 46607), (412, 46664), (452, 46769), (454, 46775), (474, 46808), (514, 46913), (677, 47093), (756, 47306), (775, 47351),

Gene: Salvus_51 Start: 39283, Stop: 37772, Start Num: 123

Candidate Starts for Salvus_51:

(Start: 123 @39283 has 76 MA's), (145, 39247), (194, 39157), (195, 39154), (214, 39106), (257, 39037), (307, 38929), (380, 38794), (403, 38743), (406, 38737), (409, 38731), (425, 38707), (441, 38653), (508, 38512), (509, 38509), (526, 38452), (529, 38443), (548, 38380), (549, 38377), (633, 38182), (652, 38137), (687, 38032), (707, 37972), (711, 37957), (772, 37804), (788, 37783),

Gene: SamW_45 Start: 36746, Stop: 38122, Start Num: 186

Candidate Starts for SamW_45:

(Start: 186 @36746 has 151 MA's), (221, 36815), (231, 36833), (283, 36926), (303, 36986), (306, 36992), (307, 36995), (376, 37115), (387, 37133), (439, 37250), (498, 37388), (514, 37427), (525, 37460), (527, 37466), (532, 37481), (545, 37520), (578, 37580), (586, 37604), (605, 37640), (643, 37709), (645, 37715), (677, 37796), (708, 37892), (711, 37904), (715, 37916), (730, 37973), (734, 37979), (741, 37991), (754, 38021), (778, 38072),

Gene: Sangak_53 Start: 37060, Stop: 38238, Start Num: 162

Candidate Starts for Sangak_53:

(Start: 162 @37060 has 15 MA's), (174, 37093), (Start: 180 @37102 has 9 MA's), (207, 37159), (259, 37201), (286, 37252), (342, 37381), (385, 37471), (390, 37480), (412, 37528), (419, 37540), (452, 37633), (464, 37654), (477, 37678), (485, 37693), (504, 37747), (509, 37756), (514, 37777), (515, 37780), (517, 37786), (528, 37819), (665, 37921), (691, 37984), (695, 37993), (711, 38050), (717, 38068), (742, 38134), (750, 38155), (776, 38215),

Gene: Sansa_39 Start: 31177, Stop: 29765, Start Num: 192

Candidate Starts for Sansa_39:

(Start: 192 @31177 has 23 MA's), (201, 31147), (Start: 204 @31141 has 1 MA's), (224, 31108), (319, 30916), (335, 30889), (360, 30829), (376, 30802), (378, 30799), (399, 30757), (427, 30703), (439, 30661), (493, 30547), (514, 30490), (523, 30469), (530, 30454), (534, 30442), (535, 30430), (537, 30427), (545, 30409), (572, 30328), (583, 30292), (600, 30238), (617, 30196), (633, 30166), (640,

30151), (644, 30142), (647, 30136), (666, 30094), (687, 30025), (697, 30001), (698, 29995), (699, 29989), (704, 29977), (739, 29872), (749, 29854), (753, 29842), (772, 29797),

Gene: Sapo_34 Start: 32116, Stop: 30710, Start Num: 132

Candidate Starts for Sapo_34:

(37, 32353), (39, 32350), (72, 32239), (77, 32224), (Start: 132 @32116 has 13 MA's), (172, 32038), (187, 32011), (205, 31981), (207, 31978), (335, 31771), (350, 31738), (465, 31531), (526, 31384), (531, 31369), (588, 31228), (649, 31093), (663, 31063), (665, 31060), (686, 30991), (689, 30988), (697, 30967), (707, 30931), (708, 30928), (738, 30841), (745, 30829), (790, 30742),

Gene: Saradis_80 Start: 48976, Stop: 47453, Start Num: 129

Candidate Starts for Saradis_80:

(Start: 129 @48976 has 41 MA's), (182, 48865), (202, 48826), (207, 48817), (263, 48721), (285, 48679), (291, 48661), (310, 48607), (329, 48562), (330, 48559), (387, 48457), (440, 48334), (455, 48298), (473, 48259), (499, 48193), (510, 48166), (516, 48148), (526, 48118), (545, 48058), (558, 48028), (562, 48016), (564, 48010), (690, 47701), (697, 47683), (707, 47641), (709, 47635), (714, 47617), (715, 47614), (773, 47488),

Gene: Saratos_40 Start: 30928, Stop: 29516, Start Num: 192

Candidate Starts for Saratos_40:

(Start: 186 @30931 has 151 MA's), (Start: 192 @30928 has 23 MA's), (201, 30898), (Start: 204 @30892 has 1 MA's), (224, 30859), (319, 30667), (335, 30640), (360, 30580), (376, 30553), (378, 30550), (383, 30544), (399, 30508), (409, 30484), (427, 30454), (439, 30412), (493, 30298), (514, 30241), (523, 30220), (530, 30205), (534, 30193), (535, 30181), (537, 30178), (545, 30160), (572, 30079), (583, 30043), (600, 29989), (617, 29947), (633, 29917), (640, 29902), (644, 29893), (647, 29887), (666, 29845), (687, 29776), (697, 29752), (698, 29746), (699, 29740), (704, 29728), (739, 29623), (749, 29605), (753, 29593), (772, 29548),

Gene: Sarkar_124 Start: 82180, Stop: 80537, Start Num: 79

Candidate Starts for Sarkar_124:

(Start: 79 @82180 has 9 MA's), (88, 82156), (145, 82048), (199, 81943), (220, 81904), (248, 81853), (293, 81760), (314, 81700), (326, 81676), (328, 81673), (342, 81646), (395, 81553), (459, 81400), (470, 81376), (472, 81373), (487, 81340), (492, 81328), (516, 81256), (541, 81178), (560, 81133), (613, 80986), (637, 80941), (651, 80911), (662, 80881), (667, 80869), (689, 80803), (716, 80713), (717, 80710), (762, 80614), (765, 80608), (779, 80581),

Gene: SassyC_75 Start: 51233, Stop: 49344, Start Num: 23

Candidate Starts for SassyC_75:

(Start: 23 @51233 has 8 MA's), (35, 51155), (38, 51146), (59, 51062), (68, 51041), (93, 50978), (Start: 131 @50909 has 2 MA's), (135, 50903), (Start: 143 @50879 has 53 MA's), (249, 50681), (292, 50597), (293, 50594), (303, 50564), (311, 50537), (357, 50456), (431, 50303), (448, 50252), (475, 50192), (510, 50105), (511, 50102), (545, 49997), (547, 49988), (553, 49976), (588, 49877), (606, 49838), (649, 49748), (657, 49721), (661, 49715), (691, 49631), (707, 49571), (710, 49562), (714, 49547), (725, 49505), (733, 49487), (761, 49433), (777, 49400), (794, 49379), (799, 49361),

Gene: Satis_124 Start: 82176, Stop: 80533, Start Num: 79

Candidate Starts for Satis_124:

(Start: 79 @82176 has 9 MA's), (88, 82152), (145, 82044), (199, 81939), (220, 81900), (248, 81849), (293, 81756), (314, 81696), (326, 81672), (328, 81669), (342, 81642), (395, 81549), (459, 81396), (470, 81372), (472, 81369), (487, 81336), (492, 81324), (516, 81252), (541, 81174), (560, 81129), (613, 80982), (637, 80937), (651, 80907), (662, 80877), (667, 80865), (689, 80799), (716, 80709), (717, 80706), (762, 80610), (765, 80604), (779, 80577),

Gene: Savage2526_29 Start: 22151, Stop: 23551, Start Num: 123

Candidate Starts for Savage2526_29:

(Start: 123 @22151 has 76 MA's), (158, 22214), (215, 22319), (217, 22322), (268, 22406), (289, 22439), (313, 22490), (317, 22496), (375, 22577), (376, 22580), (379, 22586), (405, 22622), (414, 22640), (416, 22643), (441, 22697), (464, 22748), (503, 22829), (512, 22856), (523, 22886), (526, 22895), (534, 22922), (545, 22955), (549, 22970), (576, 23024), (586, 23045), (592, 23057), (596, 23069), (690, 23291), (694, 23300), (696, 23306), (706, 23342), (723, 23402), (734, 23429), (790, 23519),

Gene: Scap1_51 Start: 36879, Stop: 38060, Start Num: 162

Candidate Starts for Scap1_51:

(Start: 162 @36879 has 15 MA's), (174, 36912), (Start: 180 @36921 has 9 MA's), (207, 36978), (286, 37071), (342, 37200), (385, 37290), (390, 37299), (412, 37347), (419, 37359), (452, 37452), (456, 37461), (466, 37476), (477, 37497), (514, 37596), (528, 37638), (691, 37806), (695, 37815), (717, 37890), (742, 37956), (744, 37962), (750, 37977), (754, 37989), (756, 37992),

Gene: Schimmels22_39 Start: 29851, Stop: 28466, Start Num: 188

Candidate Starts for Schimmels22_39:

(Start: 188 @29851 has 25 MA's), (319, 29575), (332, 29554), (376, 29461), (378, 29458), (391, 29437), (399, 29416), (439, 29320), (514, 29149), (524, 29125), (530, 29113), (534, 29101), (535, 29089), (537, 29086), (545, 29068), (549, 29053), (573, 29026), (583, 28993), (590, 28969), (619, 28897), (633, 28867), (648, 28834), (687, 28726), (691, 28717), (697, 28702), (698, 28696), (699, 28690), (704, 28678), (734, 28582), (739, 28573), (753, 28543), (771, 28501),

Gene: Schnapsidee_40 Start: 31262, Stop: 29871, Start Num: 186

Candidate Starts for Schnapsidee_40:

(119, 31364), (Start: 121 @31361 has 1 MA's), (Start: 123 @31358 has 76 MA's), (Start: 186 @31262 has 151 MA's), (270, 31115), (Start: 274 @31109 has 1 MA's), (276, 31106), (319, 30992), (335, 30965), (360, 30905), (376, 30878), (378, 30875), (427, 30779), (439, 30737), (514, 30566), (523, 30545), (534, 30518), (583, 30410), (619, 30314), (669, 30197), (675, 30179), (698, 30113), (699, 30107), (704, 30095), (734, 29999), (759, 29945), (760, 29942), (771, 29918), (793, 29888),

Gene: Schubert_39 Start: 30441, Stop: 29047, Start Num: 184

Candidate Starts for Schubert_39:

(Start: 184 @30441 has 1 MA's), (270, 30297), (Start: 274 @30291 has 1 MA's), (276, 30288), (278, 30285), (335, 30147), (360, 30087), (378, 30057), (427, 29961), (439, 29919), (492, 29808), (514, 29748), (530, 29712), (534, 29700), (552, 29649), (554, 29643), (583, 29592), (587, 29580), (613, 29508), (617, 29496), (648, 29433), (687, 29325), (697, 29301), (698, 29295), (699, 29289), (704, 29277), (716, 29235), (749, 29154), (753, 29142), (772, 29097),

Gene: Schwartz33_83 Start: 53395, Stop: 54612, Start Num: 161

Candidate Starts for Schwartz33_83:

(Start: 161 @53395 has 143 MA's), (193, 53458), (196, 53470), (209, 53500), (218, 53518), (221, 53521), (252, 53563), (291, 53638), (306, 53677), (341, 53755), (342, 53758), (371, 53818), (402, 53884), (431, 53950), (436, 53968), (449, 54004), (452, 54010), (456, 54019), (474, 54049), (482, 54067), (486, 54073), (487, 54076), (492, 54088), (509, 54133), (510, 54142), (513, 54151), (514, 54154), (517, 54163), (528, 54196), (531, 54205), (532, 54208), (538, 54232), (547, 54256), (604, 54301), (695, 54373), (704, 54400), (725, 54481), (735, 54502), (742, 54514), (759, 54559),

Gene: ScienceWizSam_73 Start: 48083, Stop: 49315, Start Num: 159

Candidate Starts for ScienceWizSam_73:

(Start: 159 @48083 has 48 MA's), (164, 48092), (Start: 180 @48131 has 9 MA's), (244, 48257), (308, 48389), (341, 48461), (371, 48524), (385, 48554), (419, 48623), (452, 48716), (454, 48722), (476,

48758), (514, 48860), (691, 49067), (707, 49118), (717, 49151), (720, 49163), (721, 49166), (749, 49235), (756, 49253),

Gene: Scissor2024_40 Start: 29498, Stop: 28113, Start Num: 188

Candidate Starts for Scissor2024_40:

(Start: 188 @29498 has 25 MA's), (297, 29285), (319, 29222), (332, 29201), (376, 29108), (378, 29105), (391, 29084), (399, 29063), (439, 28967), (514, 28796), (524, 28772), (530, 28760), (534, 28748), (535, 28736), (537, 28733), (545, 28715), (549, 28700), (573, 28673), (583, 28640), (587, 28628), (590, 28616), (619, 28544), (640, 28499), (648, 28481), (687, 28373), (691, 28364), (697, 28349), (698, 28343), (699, 28337), (734, 28229), (739, 28220), (753, 28190), (771, 28148),

Gene: Scuttle_29 Start: 22156, Stop: 23556, Start Num: 123

Candidate Starts for Scuttle_29:

(Start: 123 @22156 has 76 MA's), (158, 22219), (215, 22324), (217, 22327), (268, 22411), (289, 22444), (313, 22495), (317, 22501), (375, 22582), (376, 22585), (379, 22591), (405, 22627), (414, 22645), (416, 22648), (433, 22681), (441, 22702), (464, 22753), (503, 22834), (512, 22861), (526, 22900), (534, 22927), (545, 22960), (549, 22975), (576, 23029), (586, 23050), (592, 23062), (596, 23074), (649, 23188), (690, 23296), (694, 23305), (696, 23311), (706, 23347), (723, 23407), (734, 23434), (790, 23524),

Gene: Secretariat_79 Start: 51679, Stop: 52899, Start Num: 161

Candidate Starts for Secretariat_79:

(Start: 161 @51679 has 143 MA's), (164, 51685), (194, 51745), (196, 51754), (207, 51781), (209, 51784), (218, 51802), (221, 51805), (252, 51847), (291, 51922), (306, 51961), (330, 52018), (341, 52039), (342, 52042), (371, 52102), (431, 52234), (448, 52285), (449, 52288), (452, 52294), (456, 52303), (486, 52357), (487, 52360), (491, 52369), (492, 52372), (509, 52417), (510, 52426), (513, 52435), (514, 52438), (517, 52447), (535, 52513), (538, 52519), (547, 52543), (604, 52588), (676, 52621), (690, 52648), (691, 52651), (695, 52660), (704, 52687), (735, 52789), (742, 52801), (759, 52846), (777, 52885),

Gene: Sedgewig_40 Start: 30801, Stop: 29413, Start Num: 186

Candidate Starts for Sedgewig_40:

(4, 31452), (50, 31098), (74, 31023), (Start: 186 @30801 has 151 MA's), (270, 30657), (Start: 274 @30651 has 1 MA's), (276, 30648), (316, 30543), (319, 30534), (335, 30507), (360, 30447), (376, 30420), (378, 30417), (427, 30321), (439, 30279), (514, 30108), (523, 30087), (530, 30072), (549, 30012), (583, 29952), (619, 29856), (648, 29793), (669, 29739), (698, 29655), (699, 29649), (704, 29637), (759, 29487), (760, 29484), (771, 29460),

Gene: SendItCS_81 Start: 49793, Stop: 50983, Start Num: 161

Candidate Starts for SendItCS_81:

(Start: 161 @49793 has 143 MA's), (209, 49898), (279, 49967), (342, 50120), (349, 50138), (395, 50225), (419, 50279), (452, 50372), (468, 50399), (517, 50525), (535, 50588), (547, 50618), (555, 50636), (711, 50783), (733, 50852), (742, 50867), (748, 50882), (754, 50900), (756, 50903), (759, 50912),

Gene: Serenabean_73 Start: 45996, Stop: 47252, Start Num: 161

Candidate Starts for Serenabean_73:

(Start: 161 @45996 has 143 MA's), (Start: 192 @46056 has 23 MA's), (193, 46059), (196, 46071), (207, 46098), (228, 46134), (342, 46371), (373, 46434), (385, 46461), (434, 46575), (438, 46587), (449, 46617), (452, 46623), (491, 46698), (510, 46755), (518, 46779), (529, 46812), (532, 46821), (549, 46875), (707, 47025), (708, 47028), (711, 47040), (725, 47091),

Gene: Sergei_26 Start: 21732, Stop: 23129, Start Num: 123

Candidate Starts for Sergei_26:

(Start: 123 @21732 has 76 MA's), (158, 21792), (Start: 204 @21879 has 1 MA's), (215, 21897), (217, 21900), (268, 21984), (271, 21990), (289, 22017), (313, 22068), (317, 22074), (350, 22125), (360, 22134), (375, 22155), (379, 22164), (405, 22200), (416, 22221), (433, 22254), (441, 22275), (448, 22293), (451, 22299), (464, 22326), (472, 22338), (479, 22353), (503, 22407), (521, 22458), (523, 22464), (526, 22473), (528, 22479), (534, 22500), (545, 22533), (549, 22548), (554, 22557), (609, 22680), (628, 22719), (641, 22743), (646, 22755), (686, 22863), (690, 22869), (694, 22878), (696, 22884), (706, 22920), (734, 23007), (790, 23097), (800, 23121),

Gene: ShaggyRogers_85 Start: 54047, Stop: 55261, Start Num: 161

Candidate Starts for ShaggyRogers_85:

(Start: 161 @54047 has 143 MA's), (164, 54053), (Start: 192 @54107 has 23 MA's), (193, 54110), (196, 54122), (218, 54170), (221, 54173), (252, 54215), (279, 54257), (291, 54290), (306, 54329), (341, 54407), (371, 54470), (431, 54602), (448, 54653), (452, 54662), (474, 54701), (487, 54728), (492, 54740), (500, 54767), (504, 54776), (510, 54794), (513, 54803), (514, 54806), (517, 54815), (532, 54860), (538, 54884), (547, 54908), (684, 55007), (690, 55013), (695, 55025), (743, 55169), (749, 55184), (773, 55244),

Gene: ShaiHulud_41 Start: 31118, Stop: 29730, Start Num: 186

Candidate Starts for ShaiHulud_41:

(4, 31769), (50, 31415), (74, 31340), (Start: 186 @31118 has 151 MA's), (270, 30974), (Start: 274 @30968 has 1 MA's), (276, 30965), (319, 30851), (335, 30824), (360, 30764), (376, 30737), (378, 30734), (427, 30638), (439, 30596), (514, 30425), (523, 30404), (534, 30377), (549, 30329), (583, 30269), (648, 30110), (669, 30056), (698, 29972), (699, 29966), (704, 29954), (734, 29858), (759, 29804), (760, 29801), (771, 29777),

Gene: ShakeNBake_70 Start: 50183, Stop: 48297, Start Num: 23

Candidate Starts for ShakeNBake_70:

(14, 50243), (Start: 23 @50183 has 8 MA's), (Start: 29 @50168 has 6 MA's), (35, 50105), (38, 50096), (41, 50084), (68, 49991), (93, 49928), (103, 49910), (135, 49853), (Start: 143 @49829 has 53 MA's), (227, 49670), (249, 49631), (254, 49622), (303, 49514), (357, 49406), (408, 49301), (448, 49202), (475, 49142), (510, 49055), (511, 49052), (545, 48947), (547, 48938), (553, 48926), (588, 48827), (606, 48788), (644, 48710), (649, 48698), (657, 48671), (691, 48581), (697, 48566), (710, 48512), (725, 48455), (794, 48329),

Gene: Shamu_41 Start: 31107, Stop: 29695, Start Num: 192

Candidate Starts for Shamu_41:

(Start: 186 @31110 has 151 MA's), (Start: 192 @31107 has 23 MA's), (201, 31077), (Start: 204 @31071 has 1 MA's), (224, 31038), (319, 30846), (335, 30819), (360, 30759), (376, 30732), (378, 30729), (399, 30687), (409, 30663), (427, 30633), (439, 30591), (493, 30477), (514, 30420), (523, 30399), (530, 30384), (534, 30372), (535, 30360), (537, 30357), (545, 30339), (572, 30258), (583, 30222), (600, 30168), (617, 30126), (633, 30096), (644, 30072), (647, 30066), (666, 30024), (687, 29955), (697, 29931), (698, 29925), (699, 29919), (704, 29907), (734, 29811), (739, 29802), (749, 29784), (753, 29772), (772, 29727),

Gene: SheRa_54 Start: 37437, Stop: 38609, Start Num: 162

Candidate Starts for SheRa_54:

(Start: 162 @37437 has 15 MA's), (174, 37470), (Start: 180 @37479 has 9 MA's), (207, 37536), (286, 37629), (291, 37641), (342, 37758), (385, 37848), (412, 37905), (419, 37917), (449, 38004), (452, 38010), (464, 38031), (477, 38055), (485, 38070), (504, 38124), (509, 38133), (514, 38154), (515, 38157), (528, 38196), (691, 38355), (711, 38421), (717, 38439), (742, 38505), (744, 38511), (750, 38526),

Gene: SheckWes_60 Start: 40367, Stop: 38889, Start Num: 143

Candidate Starts for SheckWes_60:

(87, 40448), (122, 40394), (Start: 143 @40367 has 53 MA's), (179, 40304), (193, 40283), (195, 40277), (Start: 204 @40250 has 1 MA's), (234, 40196), (244, 40175), (257, 40160), (267, 40145), (301, 40064), (310, 40040), (348, 39953), (378, 39917), (403, 39863), (406, 39857), (409, 39851), (441, 39773), (447, 39758), (492, 39668), (495, 39659), (508, 39632), (527, 39569), (530, 39560), (534, 39548), (540, 39527), (546, 39512), (548, 39503), (559, 39482), (578, 39443), (581, 39434), (586, 39419), (600, 39377), (613, 39347), (633, 39299), (635, 39296), (652, 39254), (657, 39236), (691, 39140), (707, 39089), (716, 39059), (724, 39026), (752, 38969), (758, 38954),

Gene: Shee_41 Start: 31111, Stop: 29723, Start Num: 186

Candidate Starts for Shee_41:

(4, 31762), (50, 31408), (74, 31333), (Start: 186 @31111 has 151 MA's), (270, 30967), (Start: 274 @30961 has 1 MA's), (276, 30958), (319, 30844), (335, 30817), (360, 30757), (376, 30730), (378, 30727), (427, 30631), (439, 30589), (511, 30427), (514, 30418), (523, 30397), (530, 30382), (534, 30370), (549, 30322), (583, 30262), (619, 30166), (648, 30103), (669, 30049), (698, 29965), (699, 29959), (704, 29947), (734, 29851), (759, 29797), (760, 29794), (771, 29770),

Gene: Shepard_78 Start: 48110, Stop: 49297, Start Num: 180

Candidate Starts for Shepard_78:

(Start: 159 @48065 has 48 MA's), (Start: 162 @48071 has 15 MA's), (166, 48077), (Start: 180 @48110 has 9 MA's), (244, 48236), (308, 48368), (341, 48440), (371, 48503), (385, 48533), (452, 48695), (454, 48701), (476, 48737), (491, 48770), (514, 48839), (707, 49100), (717, 49133), (720, 49145), (749, 49217),

Gene: Shiba_73 Start: 45848, Stop: 47077, Start Num: 161

Candidate Starts for Shiba_73:

(Start: 161 @45848 has 143 MA's), (244, 46019), (308, 46151), (371, 46286), (385, 46316), (412, 46373), (452, 46478), (454, 46484), (474, 46517), (514, 46622), (677, 46802), (756, 47015), (775, 47060),

Gene: Shrew_71 Start: 40994, Stop: 42517, Start Num: 146

Candidate Starts for Shrew_71:

(119, 40949), (Start: 123 @40955 has 76 MA's), (Start: 146 @40994 has 11 MA's), (168, 41036), (175, 41054), (195, 41087), (216, 41138), (236, 41171), (250, 41198), (270, 41225), (308, 41315), (403, 41531), (405, 41534), (425, 41567), (430, 41585), (461, 41660), (481, 41699), (485, 41705), (545, 41873), (548, 41885), (604, 42023), (626, 42071), (758, 42440), (759, 42443), (771, 42470), (773, 42476),

Gene: Shroomer_89 Start: 50030, Stop: 48510, Start Num: 129

Candidate Starts for Shroomer_89:

(111, 50063), (Start: 129 @50030 has 41 MA's), (153, 49979), (207, 49871), (245, 49805), (283, 49739), (329, 49616), (336, 49601), (364, 49544), (386, 49511), (387, 49508), (420, 49445), (437, 49394), (440, 49385), (444, 49376), (446, 49370), (457, 49346), (466, 49322), (486, 49283), (492, 49268), (510, 49217), (516, 49199), (546, 49106), (558, 49079), (574, 49034), (651, 48848), (697, 48740), (705, 48710), (717, 48665), (771, 48551),

Gene: Shynx_42 Start: 31327, Stop: 32721, Start Num: 132

Candidate Starts for Shynx_42:

(Start: 132 @31327 has 13 MA's), (Start: 134 @31330 has 3 MA's), (172, 31405), (185, 31429), (205, 31459), (215, 31474), (277, 31564), (295, 31600), (360, 31699), (364, 31708), (411, 31777), (465, 31900), (519, 32035), (528, 32062), (534, 32083), (539, 32104), (569, 32161), (578, 32194), (582, 32203), (598, 32245), (628, 32311), (641, 32335), (649, 32353), (656, 32371), (676, 32425), (686,

32455), (706, 32512), (707, 32515), (721, 32563), (736, 32602), (745, 32617), (787, 32686), (798, 32704), (800, 32713),

Gene: SilentWarrior_40 Start: 25182, Stop: 27089, Start Num: 27

Candidate Starts for SilentWarrior_40:

(5, 25008), (Start: 27 @25182 has 36 MA's), (35, 25245), (41, 25266), (54, 25320), (112, 25455), (135, 25497), (156, 25542), (249, 25716), (254, 25725), (297, 25815), (311, 25857), (317, 25872), (410, 26058), (469, 26193), (475, 26205), (490, 26238), (534, 26367), (576, 26484), (676, 26757), (691, 26796), (707, 26856), (737, 26946), (753, 26976), (771, 27018), (799, 27069),

Gene: Sinatra_40 Start: 30565, Stop: 29183, Start Num: 186

Candidate Starts for Sinatra_40:

(169, 30592), (Start: 186 @30565 has 151 MA's), (Start: 192 @30562 has 23 MA's), (201, 30532), (270, 30424), (Start: 274 @30418 has 1 MA's), (276, 30415), (283, 30400), (360, 30214), (364, 30205), (378, 30184), (399, 30142), (427, 30088), (514, 29875), (523, 29854), (530, 29839), (534, 29827), (537, 29812), (552, 29776), (556, 29767), (572, 29752), (583, 29716), (619, 29617), (648, 29554), (659, 29527), (683, 29452), (687, 29446), (691, 29437), (697, 29422), (698, 29416), (699, 29410), (704, 29398), (749, 29275), (753, 29263),

Gene: SirVictor_40 Start: 30629, Stop: 29241, Start Num: 192

Candidate Starts for SirVictor_40:

(Start: 186 @30632 has 151 MA's), (Start: 192 @30629 has 23 MA's), (201, 30599), (270, 30491), (276, 30482), (295, 30428), (332, 30347), (360, 30281), (378, 30251), (400, 30206), (427, 30155), (511, 29951), (514, 29942), (530, 29903), (534, 29891), (535, 29879), (537, 29876), (552, 29840), (556, 29831), (572, 29816), (583, 29780), (587, 29768), (590, 29756), (619, 29681), (648, 29621), (687, 29513), (691, 29504), (697, 29489), (698, 29483), (699, 29477), (794, 29255),

Gene: SketchMex_53 Start: 38648, Stop: 37170, Start Num: 143

Candidate Starts for SketchMex_53:

(Start: 143 @38648 has 53 MA's), (193, 38561), (195, 38555), (216, 38504), (244, 38453), (257, 38438), (297, 38354), (307, 38330), (310, 38321), (378, 38198), (403, 38144), (406, 38138), (409, 38132), (441, 38054), (495, 37940), (508, 37913), (514, 37889), (540, 37808), (548, 37784), (559, 37763), (578, 37724), (584, 37706), (586, 37700), (631, 37589), (635, 37583), (652, 37541), (657, 37523), (687, 37436), (691, 37427), (698, 37406), (707, 37376), (716, 37346), (724, 37313), (765, 37223),

Gene: Sloopyjoe_74 Start: 46146, Stop: 47384, Start Num: 161

Candidate Starts for Sloopyjoe_74:

(Start: 161 @46146 has 143 MA's), (244, 46317), (308, 46449), (371, 46584), (385, 46614), (412, 46671), (452, 46776), (454, 46782), (474, 46815), (514, 46920), (678, 47109), (756, 47322), (775, 47367),

Gene: Snakehole_40 Start: 25114, Stop: 27021, Start Num: 27

Candidate Starts for Snakehole_40:

(Start: 27 @25114 has 36 MA's), (35, 25177), (41, 25198), (54, 25252), (135, 25429), (156, 25474), (249, 25648), (254, 25657), (297, 25747), (317, 25804), (410, 25990), (469, 26125), (475, 26137), (490, 26170), (534, 26299), (576, 26416), (690, 26725), (691, 26728), (707, 26788), (737, 26878), (753, 26908), (771, 26950), (799, 27001),

Gene: Socotra_54 Start: 38839, Stop: 37361, Start Num: 143

Candidate Starts for Socotra_54:

(Start: 143 @38839 has 53 MA's), (193, 38752), (195, 38746), (234, 38665), (244, 38644), (308, 38518), (403, 38335), (406, 38329), (409, 38323), (441, 38245), (495, 38131), (508, 38104), (514,

38080), (534, 38020), (548, 37975), (559, 37954), (578, 37915), (584, 37897), (631, 37780), (652, 37732), (653, 37729), (657, 37714), (691, 37618), (698, 37597), (707, 37567), (788, 37378),

Gene: SoilGremlin_42 Start: 31117, Stop: 29729, Start Num: 186

Candidate Starts for SoilGremlin_42:

(74, 31339), (Start: 186 @31117 has 151 MA's), (270, 30973), (Start: 274 @30967 has 1 MA's), (276, 30964), (319, 30850), (335, 30823), (360, 30763), (376, 30736), (378, 30733), (383, 30727), (427, 30637), (439, 30595), (514, 30424), (530, 30388), (534, 30376), (545, 30343), (549, 30328), (583, 30268), (619, 30172), (648, 30109), (669, 30055), (698, 29971), (699, 29965), (704, 29953), (734, 29857), (759, 29803), (760, 29800), (771, 29776),

Gene: SolidSnake_43 Start: 31120, Stop: 29732, Start Num: 186

Candidate Starts for SolidSnake_43:

(74, 31342), (Start: 186 @31120 has 151 MA's), (270, 30976), (Start: 274 @30970 has 1 MA's), (276, 30967), (319, 30853), (335, 30826), (360, 30766), (376, 30739), (378, 30736), (383, 30730), (427, 30640), (439, 30598), (514, 30427), (530, 30391), (534, 30379), (545, 30346), (549, 30331), (583, 30271), (619, 30175), (648, 30112), (669, 30058), (698, 29974), (699, 29968), (704, 29956), (734, 29860), (759, 29806), (760, 29803), (771, 29779),

Gene: Solimine_81 Start: 49872, Stop: 48349, Start Num: 129

Candidate Starts for Solimine_81:

(33, 50133), (42, 50091), (Start: 129 @49872 has 41 MA's), (182, 49761), (202, 49722), (207, 49713), (263, 49617), (285, 49575), (291, 49557), (310, 49503), (329, 49458), (330, 49455), (387, 49353), (440, 49230), (455, 49194), (473, 49155), (499, 49089), (510, 49062), (516, 49044), (526, 49014), (545, 48954), (558, 48924), (562, 48912), (564, 48906), (690, 48597), (697, 48579), (707, 48537), (709, 48531), (714, 48513), (715, 48510), (762, 48408), (773, 48384),

Gene: SonOfLevi_41 Start: 30834, Stop: 29413, Start Num: 186

Candidate Starts for SonOfLevi_41:

(74, 31056), (Start: 186 @30834 has 151 MA's), (270, 30690), (Start: 274 @30684 has 1 MA's), (276, 30681), (319, 30567), (335, 30540), (360, 30480), (376, 30453), (378, 30450), (427, 30354), (439, 30312), (511, 30150), (514, 30141), (523, 30120), (534, 30093), (545, 30060), (549, 30045), (577, 29970), (583, 29952), (619, 29856), (648, 29793), (669, 29739), (698, 29655), (699, 29649), (704, 29637), (724, 29562), (734, 29541), (759, 29487), (760, 29484), (771, 29460),

Gene: Sopespian_51 Start: 38728, Stop: 37250, Start Num: 143

Candidate Starts for Sopespian_51:

(Start: 143 @38728 has 53 MA's), (193, 38641), (195, 38635), (234, 38554), (244, 38533), (307, 38410), (308, 38407), (403, 38224), (406, 38218), (409, 38212), (441, 38134), (495, 38020), (508, 37993), (514, 37969), (534, 37909), (548, 37864), (559, 37843), (578, 37804), (584, 37786), (631, 37669), (652, 37621), (653, 37618), (657, 37603), (691, 37507), (698, 37486), (707, 37456),

Gene: SorJuana_70 Start: 47020, Stop: 45626, Start Num: 129

Candidate Starts for SorJuana_70:

(Start: 129 @47020 has 41 MA's), (165, 46951), (202, 46876), (212, 46858), (232, 46828), (281, 46747), (347, 46597), (426, 46453), (437, 46414), (489, 46300), (513, 46249), (531, 46228), (540, 46198), (546, 46183), (549, 46171), (594, 46090), (626, 46042), (641, 46015), (651, 45994), (680, 45910), (705, 45844), (790, 45655), (796, 45643),

Gene: Soror1_40 Start: 31284, Stop: 29893, Start Num: 186

Candidate Starts for Soror1_40:

(48, 31572), (52, 31551), (Start: 186 @31284 has 151 MA's), (270, 31137), (Start: 274 @31131 has 1 MA's), (276, 31128), (297, 31068), (319, 31014), (335, 30987), (360, 30927), (376, 30900), (378,

30897), (427, 30801), (439, 30759), (514, 30588), (523, 30567), (583, 30432), (619, 30336), (669, 30219), (675, 30201), (698, 30135), (699, 30129), (704, 30117), (734, 30021), (759, 29967), (760, 29964), (771, 29940), (793, 29910),

Gene: Soshi_80 Start: 49992, Stop: 51176, Start Num: 161

Candidate Starts for Soshi_80:

(Start: 161 @49992 has 143 MA's), (Start: 180 @50037 has 9 MA's), (196, 50067), (308, 50238), (385, 50412), (452, 50574), (474, 50613), (477, 50619), (489, 50646), (514, 50718), (532, 50772), (538, 50796), (547, 50820), (549, 50826), (603, 50850), (665, 50856), (707, 50970), (742, 51069), (744, 51075), (756, 51105), (759, 51114), (783, 51159),

Gene: Spain_74 Start: 46315, Stop: 47382, Start Num: 244

Candidate Starts for Spain_74:

(Start: 161 @46144 has 143 MA's), (244, 46315), (308, 46447), (371, 46582), (385, 46612), (412, 46669), (452, 46774), (454, 46780), (474, 46813), (514, 46918), (678, 47107), (756, 47320), (775, 47365),

Gene: Sparcetus_42 Start: 26604, Stop: 28538, Start Num: 29

Candidate Starts for Sparcetus_42:

(Start: 12 @26508 has 1 MA's), (26, 26598), (Start: 29 @26604 has 6 MA's), (54, 26751), (59, 26769), (135, 26928), (198, 27054), (249, 27144), (254, 27153), (297, 27243), (322, 27315), (393, 27447), (475, 27633), (483, 27651), (490, 27666), (511, 27723), (531, 27783), (556, 27855), (597, 27993), (624, 28059), (635, 28089), (636, 28092), (666, 28167), (691, 28245), (707, 28305), (719, 28344), (737, 28395), (749, 28413), (801, 28521),

Gene: Spectropatronm_80 Start: 49387, Stop: 50571, Start Num: 161

Candidate Starts for Spectropatronm_80:

(Start: 161 @49387 has 143 MA's), (Start: 180 @49432 has 9 MA's), (196, 49462), (308, 49633), (341, 49705), (356, 49744), (385, 49807), (452, 49969), (474, 50008), (477, 50014), (489, 50041), (514, 50113), (532, 50167), (538, 50191), (547, 50215), (549, 50221), (603, 50245), (665, 50251), (707, 50365), (742, 50464), (744, 50470), (756, 50500), (759, 50509), (791, 50563),

Gene: Sporto_73 Start: 47177, Stop: 48406, Start Num: 161

Candidate Starts for Sporto_73:

(Start: 161 @47177 has 143 MA's), (244, 47348), (308, 47480), (319, 47516), (342, 47555), (371, 47615), (385, 47645), (449, 47801), (452, 47807), (474, 47846), (514, 47951), (742, 48308),

Gene: Sprinkle_75 Start: 46725, Stop: 47957, Start Num: 161

Candidate Starts for Sprinkle_75:

(Start: 161 @46725 has 143 MA's), (244, 46896), (319, 47064), (342, 47103), (371, 47163), (385, 47193), (452, 47355), (472, 47388), (476, 47397), (477, 47400), (514, 47499),

Gene: StAB_50 Start: 39824, Stop: 41185, Start Num: 186

Candidate Starts for StAB_50:

(Start: 186 @39824 has 151 MA's), (221, 39893), (231, 39911), (283, 40004), (301, 40058), (303, 40064), (306, 40070), (307, 40073), (376, 40193), (387, 40211), (439, 40328), (498, 40466), (514, 40505), (525, 40538), (527, 40544), (532, 40559), (545, 40598), (578, 40658), (605, 40718), (645, 40793), (677, 40874), (708, 40970), (730, 41051), (734, 41057), (741, 41069), (754, 41099),

Gene: Stanktossa_41 Start: 31114, Stop: 29726, Start Num: 186

Candidate Starts for Stanktossa_41:

(4, 31765), (50, 31411), (74, 31336), (Start: 186 @31114 has 151 MA's), (270, 30970), (Start: 274 @30964 has 1 MA's), (276, 30961), (319, 30847), (335, 30820), (360, 30760), (376, 30733), (378,

30730), (427, 30634), (439, 30592), (492, 30481), (514, 30421), (530, 30385), (534, 30373), (545, 30340), (549, 30325), (583, 30265), (619, 30169), (648, 30106), (669, 30052), (698, 29968), (699, 29962), (704, 29950), (734, 29854), (759, 29800), (760, 29797), (771, 29773),

Gene: StarLord_74 Start: 46139, Stop: 47377, Start Num: 161

Candidate Starts for StarLord_74:

(Start: 161 @46139 has 143 MA's), (244, 46310), (308, 46442), (371, 46577), (385, 46607), (412, 46664), (452, 46769), (454, 46775), (474, 46808), (514, 46913), (678, 47102), (756, 47315), (775, 47360),

Gene: Starburst_53 Start: 38723, Stop: 37245, Start Num: 143

Candidate Starts for Starburst_53:

(Start: 143 @38723 has 53 MA's), (193, 38636), (195, 38630), (234, 38549), (244, 38528), (308, 38402), (403, 38219), (406, 38213), (409, 38207), (441, 38129), (495, 38015), (508, 37988), (514, 37964), (534, 37904), (548, 37859), (559, 37838), (578, 37799), (584, 37781), (631, 37664), (652, 37616), (653, 37613), (657, 37598), (691, 37502), (698, 37481), (707, 37451),

Gene: Stardom_79 Start: 45979, Stop: 47289, Start Num: 161

Candidate Starts for Stardom_79:

(Start: 161 @45979 has 143 MA's), (308, 46282), (371, 46417), (385, 46447), (434, 46561), (452, 46609), (470, 46639), (477, 46654), (491, 46684), (492, 46687), (510, 46741), (512, 46747), (513, 46750), (514, 46753), (518, 46765), (535, 46825), (547, 46855), (735, 47098), (744, 47116), (773, 47188), (797, 47224),

Gene: Stardrop_76 Start: 46799, Stop: 48046, Start Num: 159

Candidate Starts for Stardrop_76:

(Start: 159 @46799 has 48 MA's), (Start: 239 @46961 has 1 MA's), (244, 46973), (279, 47027), (308, 47105), (385, 47270), (390, 47279), (431, 47372), (452, 47432), (491, 47507), (514, 47576), (749, 47951), (756, 47969),

Gene: Stayer_74 Start: 46142, Stop: 47380, Start Num: 161

Candidate Starts for Stayer_74:

(Start: 161 @46142 has 143 MA's), (244, 46313), (308, 46445), (371, 46580), (385, 46610), (412, 46667), (452, 46772), (454, 46778), (474, 46811), (514, 46916), (678, 47105), (756, 47318), (775, 47363),

Gene: SteakFry_87 Start: 50087, Stop: 48567, Start Num: 129

Candidate Starts for SteakFry_87:

(111, 50120), (Start: 129 @50087 has 41 MA's), (153, 50036), (207, 49928), (245, 49862), (283, 49796), (325, 49679), (336, 49658), (364, 49601), (386, 49568), (387, 49565), (420, 49502), (437, 49451), (440, 49442), (444, 49433), (446, 49427), (457, 49403), (466, 49379), (486, 49340), (492, 49325), (510, 49274), (516, 49256), (546, 49163), (558, 49136), (574, 49091), (651, 48905), (697, 48797), (705, 48767), (717, 48722), (734, 48671), (771, 48608),

Gene: SteamedHams_54 Start: 38292, Stop: 36814, Start Num: 143

Candidate Starts for SteamedHams_54:

(Start: 143 @38292 has 53 MA's), (195, 38199), (Start: 204 @38172 has 1 MA's), (244, 38097), (Start: 274 @38055 has 1 MA's), (307, 37974), (378, 37842), (403, 37788), (409, 37776), (441, 37698), (495, 37584), (508, 37557), (514, 37533), (527, 37494), (548, 37428), (559, 37407), (584, 37350), (631, 37233), (652, 37185), (657, 37167), (691, 37071), (698, 37050), (707, 37020),

Gene: StevieWelch_85 Start: 49882, Stop: 48362, Start Num: 129

Candidate Starts for StevieWelch_85:

(111, 49915), (Start: 129 @49882 has 41 MA's), (153, 49831), (207, 49723), (245, 49657), (283, 49591), (329, 49468), (336, 49453), (364, 49396), (386, 49363), (387, 49360), (420, 49297), (437, 49246), (440, 49237), (444, 49228), (446, 49222), (457, 49198), (466, 49174), (486, 49135), (492, 49120), (510, 49069), (516, 49051), (546, 48958), (558, 48931), (574, 48886), (651, 48700), (697, 48592), (705, 48562), (717, 48517), (734, 48466), (762, 48421), (771, 48403),

Gene: Stiles_49 Start: 38782, Stop: 40143, Start Num: 186

Candidate Starts for Stiles_49:

(Start: 186 @38782 has 151 MA's), (225, 38857), (228, 38863), (231, 38869), (283, 38962), (301, 39016), (303, 39022), (306, 39028), (307, 39031), (376, 39151), (387, 39169), (439, 39286), (498, 39424), (514, 39463), (525, 39496), (527, 39502), (532, 39517), (545, 39556), (578, 39616), (645, 39751), (677, 39832), (708, 39928), (730, 40009), (734, 40015), (741, 40027), (754, 40057),

Gene: StingRay_40 Start: 30819, Stop: 29431, Start Num: 186

Candidate Starts for StingRay_40:

(74, 31041), (Start: 186 @30819 has 151 MA's), (270, 30675), (Start: 274 @30669 has 1 MA's), (276, 30666), (319, 30552), (335, 30525), (360, 30465), (376, 30438), (378, 30435), (427, 30339), (439, 30297), (514, 30126), (523, 30105), (530, 30090), (549, 30030), (575, 29997), (583, 29970), (619, 29874), (648, 29811), (669, 29757), (698, 29673), (699, 29667), (704, 29655), (734, 29559), (759, 29505), (760, 29502), (771, 29478),

Gene: StirfryIV_40 Start: 30812, Stop: 29424, Start Num: 186

Candidate Starts for StirfryIV_40:

(4, 31463), (50, 31109), (74, 31034), (Start: 186 @30812 has 151 MA's), (270, 30668), (Start: 274 @30662 has 1 MA's), (276, 30659), (319, 30545), (335, 30518), (360, 30458), (376, 30431), (378, 30428), (427, 30332), (439, 30290), (514, 30119), (523, 30098), (530, 30083), (549, 30023), (583, 29963), (619, 29867), (648, 29804), (669, 29750), (698, 29666), (699, 29660), (704, 29648), (734, 29552), (759, 29498), (760, 29495), (771, 29471),

Gene: Stormbreaker8_40 Start: 31269, Stop: 29878, Start Num: 186

Candidate Starts for Stormbreaker8_40:

(48, 31557), (52, 31536), (Start: 186 @31269 has 151 MA's), (270, 31122), (Start: 274 @31116 has 1 MA's), (276, 31113), (297, 31053), (319, 30999), (335, 30972), (360, 30912), (376, 30885), (378, 30882), (427, 30786), (439, 30744), (514, 30573), (523, 30552), (583, 30417), (619, 30321), (669, 30204), (675, 30186), (698, 30120), (699, 30114), (704, 30102), (734, 30006), (759, 29952), (760, 29949), (771, 29925), (793, 29895),

Gene: Strathdee_41 Start: 31119, Stop: 29731, Start Num: 186

Candidate Starts for Strathdee_41:

(4, 31770), (50, 31416), (74, 31341), (Start: 186 @31119 has 151 MA's), (270, 30975), (Start: 274 @30969 has 1 MA's), (276, 30966), (319, 30852), (335, 30825), (360, 30765), (376, 30738), (378, 30735), (427, 30639), (439, 30597), (514, 30426), (523, 30405), (534, 30378), (549, 30330), (583, 30270), (648, 30111), (669, 30057), (698, 29973), (699, 29967), (704, 29955), (734, 29859), (759, 29805), (760, 29802), (771, 29778),

Gene: Stuff_42 Start: 31323, Stop: 32717, Start Num: 132

Candidate Starts for Stuff_42:

(Start: 132 @31323 has 13 MA's), (Start: 134 @31326 has 3 MA's), (172, 31401), (185, 31425), (189, 31431), (205, 31455), (215, 31470), (217, 31473), (219, 31476), (260, 31545), (277, 31560), (295, 31596), (360, 31695), (375, 31716), (411, 31773), (465, 31896), (519, 32031), (528, 32058), (534, 32079), (569, 32157), (578, 32190), (582, 32199), (598, 32241), (628, 32307), (641, 32331), (649, 32349), (656, 32367), (676, 32421), (686, 32451), (706, 32508), (707, 32511), (721, 32559), (736, 32598), (745, 32613), (787, 32682), (798, 32700), (800, 32709),

Gene: Sucha_30 Start: 20665, Stop: 22092, Start Num: 126

Candidate Starts for Sucha_30:

(113, 20644), (Start: 126 @20665 has 19 MA's), (313, 21019), (316, 21022), (335, 21043), (389, 21130), (416, 21172), (531, 21454), (534, 21466), (539, 21487), (549, 21514), (568, 21541), (569, 21544), (576, 21571), (578, 21577), (595, 21613), (641, 21712), (668, 21775), (676, 21796), (697, 21850), (706, 21883), (710, 21895), (721, 21934), (734, 21970), (738, 21976), (745, 21988), (765, 22021), (782, 22051),

Gene: SummitAcademy_56 Start: 40461, Stop: 38983, Start Num: 143

Candidate Starts for SummitAcademy_56:

(87, 40539), (120, 40488), (122, 40485), (Start: 143 @40461 has 53 MA's), (179, 40398), (193, 40377), (195, 40371), (Start: 204 @40344 has 1 MA's), (234, 40290), (257, 40254), (267, 40239), (307, 40143), (310, 40134), (316, 40113), (348, 40047), (378, 40011), (403, 39957), (406, 39951), (409, 39945), (441, 39867), (447, 39852), (495, 39753), (522, 39678), (530, 39654), (534, 39642), (540, 39621), (546, 39606), (548, 39597), (559, 39576), (578, 39537), (581, 39528), (586, 39513), (604, 39462), (635, 39390), (652, 39348), (653, 39345), (657, 39330), (691, 39234), (707, 39183), (716, 39153), (724, 39120), (752, 39063), (758, 39048),

Gene: Sunny4976_72 Start: 48298, Stop: 49527, Start Num: 159

Candidate Starts for Sunny4976_72:

(Start: 159 @48298 has 48 MA's), (Start: 180 @48346 has 9 MA's), (244, 48472), (308, 48604), (342, 48679), (371, 48739), (385, 48769), (395, 48784), (398, 48790), (419, 48838), (440, 48901), (452, 48931), (707, 49333), (711, 49348), (773, 49510), (775, 49513),

Gene: Superfresh_41 Start: 31109, Stop: 29721, Start Num: 186

Candidate Starts for Superfresh_41:

(74, 31331), (Start: 186 @31109 has 151 MA's), (270, 30965), (Start: 274 @30959 has 1 MA's), (276, 30956), (319, 30842), (335, 30815), (360, 30755), (376, 30728), (378, 30725), (427, 30629), (439, 30587), (514, 30416), (523, 30395), (530, 30380), (534, 30368), (549, 30320), (583, 30260), (619, 30164), (648, 30101), (669, 30047), (698, 29963), (699, 29957), (704, 29945), (724, 29870), (734, 29849), (759, 29795), (760, 29792), (771, 29768),

Gene: Suppi_29 Start: 22165, Stop: 23559, Start Num: 123

Candidate Starts for Suppi_29:

(Start: 123 @22165 has 76 MA's), (158, 22222), (215, 22327), (268, 22414), (313, 22498), (316, 22501), (317, 22504), (379, 22594), (405, 22630), (409, 22639), (414, 22648), (441, 22705), (448, 22723), (464, 22756), (472, 22768), (503, 22837), (512, 22864), (521, 22888), (534, 22930), (545, 22963), (549, 22978), (554, 22987), (596, 23077), (625, 23146), (641, 23173), (649, 23191), (655, 23203), (686, 23293), (690, 23299), (694, 23308), (696, 23314), (706, 23350), (734, 23437), (765, 23488), (790, 23527), (800, 23551),

Gene: Survivors_49 Start: 37834, Stop: 36344, Start Num: 143

Candidate Starts for Survivors_49:

(Start: 143 @37834 has 53 MA's), (195, 37744), (Start: 204 @37717 has 1 MA's), (228, 37675), (250, 37633), (257, 37627), (Start: 274 @37600 has 1 MA's), (307, 37519), (308, 37516), (310, 37510), (316, 37489), (348, 37423), (403, 37333), (409, 37321), (436, 37258), (441, 37243), (447, 37228), (503, 37111), (508, 37102), (532, 37024), (540, 36997), (545, 36985), (548, 36973), (572, 36934), (578, 36913), (579, 36910), (584, 36895), (604, 36823), (652, 36709), (668, 36664), (673, 36649), (681, 36619), (691, 36595), (707, 36544), (716, 36514), (741, 36448), (752, 36424), (765, 36391), (788, 36355),

Gene: SweatNTears_55 Start: 38970, Stop: 37492, Start Num: 143

Candidate Starts for SweatNTears_55:

(Start: 143 @38970 has 53 MA's), (193, 38883), (195, 38877), (234, 38796), (307, 38652), (308, 38649), (403, 38466), (406, 38460), (409, 38454), (441, 38376), (495, 38262), (508, 38235), (514, 38211), (534, 38151), (548, 38106), (559, 38085), (578, 38046), (584, 38028), (631, 37911), (652, 37863), (653, 37860), (657, 37845), (691, 37749), (698, 37728), (707, 37698),

Gene: SweetCrkHerbs_89 Start: 53438, Stop: 54658, Start Num: 161

Candidate Starts for SweetCrkHerbs_89:

(Start: 161 @53438 has 143 MA's), (Start: 192 @53498 has 23 MA's), (193, 53501), (207, 53540), (221, 53564), (252, 53606), (279, 53648), (291, 53681), (306, 53720), (308, 53726), (330, 53777), (341, 53798), (342, 53801), (371, 53861), (402, 53927), (421, 53963), (431, 53993), (436, 54011), (448, 54044), (449, 54047), (452, 54053), (487, 54119), (491, 54128), (492, 54131), (504, 54167), (509, 54176), (510, 54185), (514, 54197), (551, 54311), (676, 54380), (695, 54419), (704, 54446), (742, 54560), (749, 54578),

Gene: Sweetclover_73 Start: 45492, Stop: 46559, Start Num: 255

Candidate Starts for Sweetclover_73:

(Start: 161 @45303 has 143 MA's), (196, 45378), (207, 45405), (Start: 255 @45492 has 1 MA's), (279, 45528), (307, 45600), (385, 45768), (412, 45825), (419, 45837), (434, 45882), (452, 45930), (474, 45969), (477, 45975), (491, 46005), (510, 46062), (529, 46119), (532, 46128), (535, 46146), (549, 46182), (707, 46332), (708, 46335), (711, 46347), (725, 46398),

Gene: Symere_40 Start: 30799, Stop: 29411, Start Num: 186

Candidate Starts for Symere_40:

(4, 31450), (50, 31096), (74, 31021), (Start: 186 @30799 has 151 MA's), (270, 30655), (Start: 274 @30649 has 1 MA's), (276, 30646), (316, 30541), (319, 30532), (335, 30505), (360, 30445), (376, 30418), (378, 30415), (427, 30319), (439, 30277), (514, 30106), (523, 30085), (530, 30070), (549, 30010), (583, 29950), (619, 29854), (648, 29791), (669, 29737), (698, 29653), (699, 29647), (704, 29635), (759, 29485), (760, 29482), (771, 29458),

Gene: Synopsis_67 Start: 47848, Stop: 49098, Start Num: 159

Candidate Starts for Synopsis_67:

(Start: 159 @47848 has 48 MA's), (164, 47857), (Start: 180 @47896 has 9 MA's), (218, 47974), (244, 48022), (Start: 255 @48040 has 1 MA's), (308, 48154), (341, 48226), (371, 48289), (385, 48319), (419, 48388), (452, 48481), (454, 48487), (476, 48523), (514, 48625), (707, 48883), (711, 48898), (717, 48916), (720, 48928), (721, 48931), (749, 49000),

Gene: TaidaOne_81 Start: 49864, Stop: 51048, Start Num: 161

Candidate Starts for TaidaOne_81:

(Start: 161 @49864 has 143 MA's), (Start: 180 @49909 has 9 MA's), (196, 49939), (308, 50110), (341, 50182), (385, 50284), (449, 50440), (452, 50446), (474, 50485), (477, 50491), (489, 50518), (514, 50590), (532, 50644), (538, 50668), (547, 50692), (549, 50698), (603, 50722), (665, 50728), (707, 50842), (742, 50941), (744, 50947), (756, 50977), (759, 50986), (783, 51031),

Gene: Tairn4Wing_90 Start: 53459, Stop: 54679, Start Num: 161

Candidate Starts for Tairn4Wing_90:

(Start: 161 @53459 has 143 MA's), (Start: 192 @53519 has 23 MA's), (193, 53522), (207, 53561), (221, 53585), (252, 53627), (279, 53669), (288, 53696), (291, 53702), (306, 53741), (341, 53819), (371, 53882), (421, 53984), (431, 54014), (436, 54032), (448, 54065), (449, 54068), (452, 54074), (487, 54140), (491, 54149), (492, 54152), (504, 54188), (509, 54197), (510, 54206), (514, 54218), (531, 54269), (532, 54272), (547, 54323), (551, 54332), (676, 54401), (695, 54440), (725, 54548), (742, 54581), (749, 54599), (754, 54614),

Gene: Talon44_89 Start: 54035, Stop: 55255, Start Num: 161

Candidate Starts for Talon44_89:

(Start: 161 @54035 has 143 MA's), (Start: 192 @54095 has 23 MA's), (193, 54098), (207, 54137), (221, 54161), (252, 54203), (279, 54245), (291, 54278), (306, 54317), (308, 54323), (330, 54374), (341, 54395), (342, 54398), (371, 54458), (402, 54524), (421, 54560), (431, 54590), (436, 54608), (448, 54641), (449, 54644), (452, 54650), (487, 54716), (491, 54725), (492, 54728), (504, 54764), (509, 54773), (510, 54782), (514, 54794), (551, 54908), (676, 54977), (695, 55016), (704, 55043), (742, 55157), (749, 55175),

Gene: Tandem_77 Start: 49353, Stop: 47830, Start Num: 129

Candidate Starts for Tandem_77:

(91, 49419), (106, 49392), (Start: 129 @49353 has 41 MA's), (202, 49203), (207, 49194), (263, 49098), (282, 49065), (291, 49038), (310, 48984), (329, 48939), (330, 48936), (386, 48831), (387, 48828), (440, 48705), (444, 48696), (448, 48684), (473, 48630), (510, 48537), (545, 48429), (558, 48399), (560, 48393), (561, 48390), (562, 48387), (574, 48354), (577, 48342), (626, 48216), (651, 48168), (690, 48078), (697, 48060), (709, 48012), (762, 47889),

Gene: Tanis_87 Start: 53496, Stop: 54716, Start Num: 161

Candidate Starts for Tanis_87:

(Start: 161 @53496 has 143 MA's), (Start: 192 @53556 has 23 MA's), (193, 53559), (207, 53598), (221, 53622), (252, 53664), (279, 53706), (291, 53739), (306, 53778), (308, 53784), (330, 53835), (341, 53856), (371, 53919), (421, 54021), (431, 54051), (436, 54069), (448, 54102), (452, 54111), (487, 54177), (491, 54186), (492, 54189), (504, 54225), (509, 54234), (510, 54243), (514, 54255), (531, 54306), (532, 54309), (547, 54360), (551, 54369), (676, 54438), (695, 54477), (725, 54585), (742, 54618), (749, 54636), (759, 54663),

Gene: Tarnish_57 Start: 41046, Stop: 39568, Start Num: 143

Candidate Starts for Tarnish_57:

(Start: 143 @41046 has 53 MA's), (179, 40983), (193, 40962), (195, 40956), (Start: 204 @40929 has 1 MA's), (234, 40875), (257, 40839), (267, 40824), (307, 40728), (310, 40719), (316, 40698), (348, 40632), (378, 40596), (403, 40542), (406, 40536), (409, 40530), (441, 40452), (447, 40437), (495, 40338), (522, 40263), (530, 40239), (534, 40227), (540, 40206), (546, 40191), (548, 40182), (559, 40161), (578, 40122), (581, 40113), (586, 40098), (604, 40047), (635, 39975), (652, 39933), (653, 39930), (657, 39915), (691, 39819), (707, 39768), (716, 39738), (724, 39705), (752, 39648), (758, 39633),

Gene: Tatanka_66 Start: 48041, Stop: 49243, Start Num: 180

Candidate Starts for Tatanka_66:

(Start: 159 @47993 has 48 MA's), (164, 48002), (Start: 180 @48041 has 9 MA's), (218, 48119), (244, 48167), (Start: 255 @48185 has 1 MA's), (308, 48299), (341, 48371), (371, 48434), (385, 48464), (419, 48533), (452, 48626), (454, 48632), (476, 48668), (514, 48770), (691, 48977), (707, 49028), (711, 49043), (717, 49061), (720, 49073), (721, 49076), (749, 49145),

Gene: TatarkaPM_41 Start: 31124, Stop: 29736, Start Num: 186

Candidate Starts for TatarkaPM_41:

(4, 31775), (50, 31421), (74, 31346), (Start: 186 @31124 has 151 MA's), (270, 30980), (Start: 274 @30974 has 1 MA's), (276, 30971), (319, 30857), (335, 30830), (360, 30770), (376, 30743), (378, 30740), (427, 30644), (439, 30602), (511, 30440), (514, 30431), (523, 30410), (530, 30395), (534, 30383), (549, 30335), (583, 30275), (619, 30179), (648, 30116), (669, 30062), (698, 29978), (699, 29972), (704, 29960), (734, 29864), (759, 29810), (760, 29807), (771, 29783),

Gene: TattModd_29 Start: 22150, Stop: 23550, Start Num: 123

Candidate Starts for TattModd_29:

(Start: 123 @22150 has 76 MA's), (158, 22213), (215, 22318), (217, 22321), (268, 22405), (289, 22438), (313, 22489), (317, 22495), (375, 22576), (376, 22579), (379, 22585), (405, 22621), (414, 22639), (416, 22642), (433, 22675), (441, 22696), (448, 22714), (464, 22747), (503, 22828), (512, 22855), (523, 22885), (526, 22894), (534, 22921), (545, 22954), (549, 22969), (576, 23023), (586, 23044), (592, 23056), (596, 23068), (690, 23290), (694, 23299), (696, 23305), (706, 23341), (723, 23401), (734, 23428), (790, 23518),

Gene: Teacup_73 Start: 48425, Stop: 49660, Start Num: 159

Candidate Starts for Teacup_73:

(155, 48419), (Start: 159 @48425 has 48 MA's), (164, 48434), (174, 48464), (Start: 180 @48473 has 9 MA's), (218, 48551), (244, 48599), (308, 48731), (341, 48803), (371, 48866), (385, 48896), (419, 48965), (452, 49058), (454, 49064), (476, 49100), (514, 49202), (676, 49382), (679, 49388), (707, 49463), (717, 49496), (720, 49508), (749, 49580), (756, 49598),

Gene: Teagan_41 Start: 31114, Stop: 29726, Start Num: 186

Candidate Starts for Teagan_41:

(4, 31765), (50, 31411), (74, 31336), (Start: 186 @31114 has 151 MA's), (270, 30970), (Start: 274 @30964 has 1 MA's), (276, 30961), (319, 30847), (335, 30820), (360, 30760), (376, 30733), (378, 30730), (427, 30634), (439, 30592), (514, 30421), (523, 30400), (534, 30373), (549, 30325), (583, 30265), (648, 30106), (669, 30052), (698, 29968), (699, 29962), (704, 29950), (734, 29854), (759, 29800), (760, 29797), (771, 29773),

Gene: TeddyBear_40 Start: 30816, Stop: 29428, Start Num: 186

Candidate Starts for TeddyBear_40:

(74, 31038), (Start: 186 @30816 has 151 MA's), (270, 30672), (Start: 274 @30666 has 1 MA's), (276, 30663), (319, 30549), (335, 30522), (360, 30462), (376, 30435), (378, 30432), (426, 30339), (427, 30336), (439, 30294), (514, 30123), (523, 30102), (530, 30087), (534, 30075), (549, 30027), (583, 29967), (619, 29871), (648, 29808), (669, 29754), (698, 29670), (699, 29664), (704, 29652), (724, 29577), (734, 29556), (759, 29502), (760, 29499), (771, 29475),

Gene: Tedro_40 Start: 25407, Stop: 27314, Start Num: 27

Candidate Starts for Tedro_40:

(Start: 27 @25407 has 36 MA's), (35, 25470), (41, 25491), (54, 25545), (135, 25722), (156, 25767), (249, 25941), (254, 25950), (297, 26040), (317, 26097), (410, 26283), (469, 26418), (475, 26430), (490, 26463), (509, 26508), (534, 26592), (576, 26709), (676, 26982), (690, 27018), (691, 27021), (707, 27081), (737, 27171), (753, 27201), (771, 27243), (799, 27294),

Gene: Temper16_26 Start: 21732, Stop: 23129, Start Num: 123

Candidate Starts for Temper16_26:

(Start: 123 @21732 has 76 MA's), (158, 21792), (Start: 204 @21879 has 1 MA's), (215, 21897), (217, 21900), (268, 21984), (271, 21990), (289, 22017), (313, 22068), (317, 22074), (350, 22125), (360, 22134), (375, 22155), (379, 22164), (405, 22200), (416, 22221), (433, 22254), (441, 22275), (448, 22293), (451, 22299), (464, 22326), (472, 22338), (479, 22353), (503, 22407), (521, 22458), (523, 22464), (526, 22473), (528, 22479), (534, 22500), (545, 22533), (549, 22548), (554, 22557), (609, 22680), (628, 22719), (641, 22743), (646, 22755), (686, 22863), (690, 22869), (694, 22878), (696, 22884), (706, 22920), (734, 23007), (790, 23097), (800, 23121),

Gene: TenaciousP_87 Start: 56116, Stop: 57330, Start Num: 161

Candidate Starts for TenaciousP_87:

(Start: 161 @56116 has 143 MA's), (164, 56122), (Start: 192 @56176 has 23 MA's), (193, 56179), (196, 56191), (207, 56218), (209, 56221), (221, 56242), (252, 56284), (279, 56326), (291, 56359), (306, 56398), (341, 56476), (342, 56479), (371, 56539), (421, 56641), (431, 56671), (448, 56722), (452, 56731), (474, 56770), (476, 56773), (487, 56797), (492, 56809), (500, 56836), (504, 56845),

(510, 56863), (513, 56872), (514, 56875), (517, 56884), (531, 56926), (538, 56953), (547, 56977), (576, 57007), (695, 57094), (725, 57202), (749, 57253), (759, 57280), (773, 57313),

Gene: Tenda_40 Start: 30814, Stop: 29426, Start Num: 186

Candidate Starts for Tenda_40:

(74, 31036), (Start: 186 @30814 has 151 MA's), (270, 30670), (Start: 274 @30664 has 1 MA's), (276, 30661), (319, 30547), (335, 30520), (360, 30460), (376, 30433), (378, 30430), (427, 30334), (439, 30292), (514, 30121), (523, 30100), (530, 30085), (549, 30025), (583, 29965), (619, 29869), (648, 29806), (669, 29752), (698, 29668), (699, 29662), (704, 29650), (734, 29554), (759, 29500), (760, 29497), (771, 29473),

Gene: Tenney120_77 Start: 46531, Stop: 47778, Start Num: 159

Candidate Starts for Tenney120_77:

(Start: 159 @46531 has 48 MA's), (Start: 239 @46693 has 1 MA's), (244, 46705), (279, 46759), (308, 46837), (342, 46912), (385, 47002), (390, 47011), (431, 47104), (452, 47164), (491, 47239), (514, 47308), (749, 47683), (756, 47701),

Gene: Tenno_72 Start: 48509, Stop: 49759, Start Num: 159

Candidate Starts for Tenno_72:

(155, 48503), (Start: 159 @48509 has 48 MA's), (164, 48518), (174, 48548), (Start: 180 @48557 has 9 MA's), (218, 48635), (244, 48683), (Start: 255 @48701 has 1 MA's), (308, 48815), (341, 48887), (371, 48950), (385, 48980), (419, 49049), (452, 49142), (454, 49148), (476, 49184), (514, 49286), (676, 49463), (707, 49544), (717, 49577), (720, 49589), (721, 49592), (749, 49661), (756, 49679),

Gene: Theresita_31 Start: 21253, Stop: 22665, Start Num: 126

Candidate Starts for Theresita_31:

(Start: 126 @21253 has 19 MA's), (207, 21397), (219, 21415), (273, 21505), (365, 21664), (376, 21682), (379, 21688), (389, 21703), (405, 21724), (416, 21745), (509, 21955), (519, 21991), (534, 22039), (539, 22060), (545, 22072), (549, 22087), (568, 22114), (572, 22129), (595, 22186), (628, 22261), (641, 22285), (655, 22315), (660, 22327), (676, 22369), (686, 22399), (706, 22456), (710, 22468), (738, 22549), (739, 22552), (758, 22576), (765, 22594), (782, 22624),

Gene: Thiqqums_89 Start: 51423, Stop: 52613, Start Num: 161

Candidate Starts for Thiqqums_89:

(Start: 161 @51423 has 143 MA's), (209, 51528), (279, 51597), (342, 51750), (349, 51768), (395, 51855), (419, 51909), (452, 52002), (468, 52029), (517, 52155), (535, 52218), (547, 52248), (555, 52266), (711, 52413), (733, 52482), (742, 52497), (748, 52512), (754, 52530), (756, 52533), (759, 52542),

Gene: Thompsone_41 Start: 31121, Stop: 29733, Start Num: 186

Candidate Starts for Thompsone_41:

(4, 31772), (50, 31418), (74, 31343), (Start: 186 @31121 has 151 MA's), (270, 30977), (Start: 274 @30971 has 1 MA's), (276, 30968), (319, 30854), (335, 30827), (360, 30767), (376, 30740), (378, 30737), (427, 30641), (439, 30599), (514, 30428), (523, 30407), (534, 30380), (549, 30332), (583, 30272), (648, 30113), (669, 30059), (698, 29975), (699, 29969), (704, 29957), (724, 29882), (734, 29861), (759, 29807), (760, 29804), (771, 29780),

Gene: Thorongil_41 Start: 31121, Stop: 29733, Start Num: 186

Candidate Starts for Thorongil_41:

(127, 31220), (128, 31217), (Start: 129 @31214 has 41 MA's), (178, 31130), (Start: 186 @31121 has 151 MA's), (270, 30977), (Start: 274 @30971 has 1 MA's), (276, 30968), (319, 30854), (335, 30827), (360, 30767), (376, 30740), (378, 30737), (427, 30641), (439, 30599), (514, 30428), (523, 30407), (530, 30392), (534, 30380), (549, 30332), (583, 30272), (648, 30113), (669, 30059), (698, 29975),

(699, 29969), (704, 29957), (724, 29882), (734, 29861), (759, 29807), (760, 29804), (771, 29780),

Gene: Thunderclap_70 Start: 47442, Stop: 46048, Start Num: 129

Candidate Starts for Thunderclap_70:

(Start: 129 @47442 has 41 MA's), (165, 47373), (202, 47298), (212, 47280), (232, 47250), (281, 47169), (302, 47115), (347, 47019), (426, 46875), (437, 46836), (489, 46722), (513, 46671), (531, 46650), (540, 46620), (546, 46605), (549, 46593), (594, 46512), (626, 46464), (641, 46437), (651, 46416), (680, 46332), (705, 46266), (790, 46077), (796, 46065),

Gene: TieDye_77 Start: 48712, Stop: 49896, Start Num: 161

Candidate Starts for TieDye_77:

(Start: 161 @48712 has 143 MA's), (Start: 180 @48757 has 9 MA's), (196, 48787), (308, 48958), (341, 49030), (385, 49132), (452, 49294), (474, 49333), (477, 49339), (489, 49366), (514, 49438), (532, 49492), (538, 49516), (547, 49540), (549, 49546), (603, 49570), (665, 49576), (707, 49690), (742, 49789), (744, 49795), (756, 49825), (759, 49834), (783, 49879),

Gene: Tiggy93_40 Start: 25940, Stop: 27847, Start Num: 27

Candidate Starts for Tiggy93_40:

(Start: 27 @25940 has 36 MA's), (35, 26003), (41, 26024), (54, 26078), (135, 26255), (156, 26300), (249, 26474), (254, 26483), (297, 26573), (317, 26630), (410, 26816), (469, 26951), (475, 26963), (490, 26996), (534, 27125), (576, 27242), (601, 27317), (690, 27551), (691, 27554), (707, 27614), (737, 27704), (753, 27734), (771, 27776), (799, 27827),

Gene: TinSulphur_42 Start: 31120, Stop: 29732, Start Num: 186

Candidate Starts for TinSulphur_42:

(4, 31771), (50, 31417), (74, 31342), (Start: 186 @31120 has 151 MA's), (270, 30976), (Start: 274 @30970 has 1 MA's), (276, 30967), (319, 30853), (335, 30826), (360, 30766), (376, 30739), (378, 30736), (427, 30640), (439, 30598), (511, 30436), (514, 30427), (523, 30406), (530, 30391), (534, 30379), (549, 30331), (583, 30271), (619, 30175), (648, 30112), (669, 30058), (698, 29974), (699, 29968), (704, 29956), (734, 29860), (759, 29806), (760, 29803), (771, 29779),

Gene: TinyMiny_42 Start: 26527, Stop: 28557, Start Num: 12

Candidate Starts for TinyMiny_42:

(3, 26383), (Start: 12 @26527 has 1 MA's), (26, 26617), (Start: 29 @26623 has 6 MA's), (54, 26770), (59, 26788), (63, 26797), (135, 26947), (198, 27073), (249, 27163), (254, 27172), (297, 27262), (311, 27304), (393, 27466), (475, 27652), (483, 27670), (490, 27685), (511, 27742), (531, 27802), (556, 27874), (597, 28012), (624, 28078), (635, 28108), (666, 28186), (691, 28264), (707, 28324), (719, 28363), (737, 28414), (749, 28432), (801, 28540),

Gene: Tinyman4_39 Start: 29477, Stop: 28092, Start Num: 188

Candidate Starts for Tinyman4_39:

(Start: 188 @29477 has 25 MA's), (297, 29264), (319, 29201), (332, 29180), (376, 29087), (378, 29084), (391, 29063), (399, 29042), (439, 28946), (514, 28775), (524, 28751), (530, 28739), (534, 28727), (535, 28715), (537, 28712), (545, 28694), (549, 28679), (583, 28619), (587, 28607), (590, 28595), (619, 28523), (633, 28493), (648, 28460), (687, 28352), (691, 28343), (697, 28328), (698, 28322), (699, 28316), (704, 28304), (734, 28208), (739, 28199), (753, 28169), (771, 28127),

Gene: Tipton_79 Start: 48637, Stop: 49824, Start Num: 180

Candidate Starts for Tipton_79:

(Start: 159 @48592 has 48 MA's), (Start: 162 @48598 has 15 MA's), (166, 48604), (Start: 180 @48637 has 9 MA's), (244, 48763), (308, 48895), (371, 49030), (385, 49060), (452, 49222), (454, 49228), (476, 49264), (514, 49366), (679, 49552), (707, 49627), (717, 49660), (720, 49672), (749, 49744),

Gene: Tokki_83 Start: 48580, Stop: 49767, Start Num: 180

Candidate Starts for Tokki_83:

(Start: 159 @48535 has 48 MA's), (Start: 162 @48541 has 15 MA's), (166, 48547), (Start: 180 @48580 has 9 MA's), (244, 48706), (308, 48838), (341, 48910), (371, 48973), (385, 49003), (452, 49165), (454, 49171), (476, 49207), (514, 49309), (679, 49495), (707, 49570), (717, 49603), (720, 49615), (749, 49687),

Gene: Tolls_54 Start: 38563, Stop: 37085, Start Num: 143

Candidate Starts for Tolls_54:

(Start: 143 @38563 has 53 MA's), (195, 38470), (Start: 204 @38443 has 1 MA's), (244, 38368), (Start: 274 @38326 has 1 MA's), (307, 38245), (378, 38113), (403, 38059), (409, 38047), (441, 37969), (495, 37855), (508, 37828), (514, 37804), (548, 37699), (559, 37678), (578, 37639), (584, 37621), (586, 37615), (631, 37504), (652, 37456), (657, 37438), (691, 37342), (698, 37321), (707, 37291),

Gene: Tonaltzin_86 Start: 54855, Stop: 56069, Start Num: 161

Candidate Starts for Tonaltzin_86:

(Start: 161 @54855 has 143 MA's), (164, 54861), (Start: 192 @54915 has 23 MA's), (193, 54918), (196, 54930), (207, 54957), (209, 54960), (221, 54981), (252, 55023), (279, 55065), (291, 55098), (306, 55137), (341, 55215), (342, 55218), (371, 55278), (421, 55380), (431, 55410), (448, 55461), (452, 55470), (474, 55509), (476, 55512), (487, 55536), (492, 55548), (500, 55575), (504, 55584), (510, 55602), (513, 55611), (514, 55614), (517, 55623), (531, 55665), (538, 55692), (547, 55716), (576, 55746), (695, 55833), (725, 55941), (749, 55992), (759, 56019), (773, 56052),

Gene: Tongui_40 Start: 25537, Stop: 27444, Start Num: 27

Candidate Starts for Tongui_40:

(5, 25363), (Start: 27 @25537 has 36 MA's), (35, 25600), (41, 25621), (54, 25675), (76, 25735), (127, 25837), (135, 25852), (156, 25897), (249, 26071), (254, 26080), (297, 26170), (298, 26173), (317, 26227), (410, 26413), (457, 26521), (469, 26548), (475, 26560), (534, 26722), (576, 26839), (691, 27151), (707, 27211), (737, 27301), (753, 27331), (771, 27373), (799, 27424),

Gene: TonyStarch_80 Start: 49150, Stop: 50334, Start Num: 161

Candidate Starts for TonyStarch_80:

(Start: 161 @49150 has 143 MA's), (Start: 180 @49195 has 9 MA's), (196, 49225), (308, 49396), (341, 49468), (356, 49507), (385, 49570), (452, 49732), (474, 49771), (477, 49777), (489, 49804), (514, 49876), (532, 49930), (538, 49954), (547, 49978), (549, 49984), (603, 50008), (665, 50014), (707, 50128), (742, 50227), (744, 50233), (756, 50263), (759, 50272), (791, 50326),

Gene: Tribby_82 Start: 47346, Stop: 48656, Start Num: 161

Candidate Starts for Tribby_82:

(Start: 161 @47346 has 143 MA's), (371, 47784), (385, 47814), (419, 47883), (434, 47928), (448, 47967), (452, 47976), (470, 48006), (491, 48051), (492, 48054), (504, 48090), (510, 48108), (512, 48114), (513, 48117), (514, 48120), (518, 48132), (535, 48192), (547, 48222), (735, 48465), (744, 48483), (773, 48555), (797, 48591),

Gene: Triscuit_58 Start: 36727, Stop: 38280, Start Num: 141

Candidate Starts for Triscuit_58:

(Start: 141 @36727 has 1 MA's), (Start: 142 @36730 has 1 MA's), (195, 36826), (205, 36856), (228, 36895), (242, 36922), (250, 36937), (281, 36982), (284, 36991), (294, 37021), (328, 37105), (362, 37189), (366, 37198), (369, 37201), (427, 37321), (431, 37336), (461, 37423), (503, 37513), (545, 37636), (548, 37648), (589, 37735), (626, 37834), (631, 37852), (681, 37990), (765, 38218), (769, 38227), (771, 38230),

Gene: TrixiePhattel_78 Start: 46130, Stop: 47374, Start Num: 159

Candidate Starts for TrixiePhattel_78:

(Start: 159 @46130 has 48 MA's), (244, 46304), (279, 46358), (308, 46436), (342, 46511), (371, 46571), (385, 46601), (390, 46610), (449, 46757), (452, 46763), (512, 46901), (514, 46907), (749, 47282), (756, 47300),

Gene: Troje_55 Start: 38986, Stop: 37508, Start Num: 143

Candidate Starts for Troje_55:

(Start: 143 @38986 has 53 MA's), (193, 38899), (195, 38893), (216, 38842), (244, 38791), (257, 38776), (297, 38692), (307, 38668), (310, 38659), (378, 38536), (403, 38482), (406, 38476), (409, 38470), (427, 38440), (441, 38392), (495, 38278), (508, 38251), (514, 38227), (540, 38146), (548, 38122), (559, 38101), (578, 38062), (584, 38044), (586, 38038), (631, 37927), (635, 37921), (652, 37879), (657, 37861), (687, 37774), (691, 37765), (698, 37744), (707, 37714), (716, 37684), (724, 37651), (765, 37561),

Gene: Troy_45 Start: 36746, Stop: 38122, Start Num: 186

Candidate Starts for Troy_45:

(Start: 186 @36746 has 151 MA's), (221, 36815), (231, 36833), (283, 36926), (303, 36986), (306, 36992), (307, 36995), (376, 37115), (387, 37133), (439, 37250), (498, 37388), (514, 37427), (525, 37460), (527, 37466), (532, 37481), (545, 37520), (578, 37580), (586, 37604), (605, 37640), (643, 37709), (645, 37715), (677, 37796), (708, 37892), (711, 37904), (715, 37916), (730, 37973), (734, 37979), (741, 37991), (754, 38021), (778, 38072),

Gene: Truckee_73 Start: 48257, Stop: 49489, Start Num: 159

Candidate Starts for Truckee_73:

(Start: 159 @48257 has 48 MA's), (Start: 162 @48263 has 15 MA's), (166, 48269), (Start: 180 @48302 has 9 MA's), (241, 48419), (244, 48428), (308, 48560), (341, 48632), (371, 48695), (385, 48725), (434, 48839), (452, 48887), (454, 48893), (476, 48929), (514, 49031), (707, 49292), (717, 49325), (720, 49337), (721, 49340), (749, 49409),

Gene: Trufflozitus_88 Start: 53974, Stop: 55194, Start Num: 161

Candidate Starts for Trufflozitus_88:

(Start: 161 @53974 has 143 MA's), (Start: 192 @54034 has 23 MA's), (193, 54037), (207, 54076), (221, 54100), (252, 54142), (279, 54184), (288, 54211), (291, 54217), (306, 54256), (308, 54262), (333, 54319), (341, 54334), (371, 54397), (421, 54499), (431, 54529), (436, 54547), (448, 54580), (449, 54583), (452, 54589), (487, 54655), (491, 54664), (492, 54667), (504, 54703), (509, 54712), (510, 54721), (514, 54733), (531, 54784), (532, 54787), (547, 54838), (551, 54847), (676, 54916), (695, 54955), (725, 55063), (742, 55096), (749, 55114), (754, 55129),

Gene: Trustiboi_70 Start: 48111, Stop: 49361, Start Num: 159

Candidate Starts for Trustiboi_70:

(Start: 159 @48111 has 48 MA's), (164, 48120), (Start: 180 @48159 has 9 MA's), (218, 48237), (244, 48285), (Start: 255 @48303 has 1 MA's), (308, 48417), (341, 48489), (371, 48552), (385, 48582), (419, 48651), (452, 48744), (454, 48750), (476, 48786), (514, 48888), (691, 49095), (707, 49146), (711, 49161), (717, 49179), (720, 49191), (721, 49194), (749, 49263),

Gene: TurboVicky_33 Start: 23252, Stop: 24679, Start Num: 126

Candidate Starts for TurboVicky_33:

(102, 23210), (Start: 126 @23252 has 19 MA's), (300, 23570), (389, 23717), (405, 23738), (519, 24005), (534, 24053), (539, 24074), (569, 24131), (578, 24164), (595, 24200), (630, 24278), (641, 24299), (675, 24380), (676, 24383), (706, 24470), (710, 24482), (721, 24521), (734, 24557), (738, 24563), (745, 24575), (782, 24638),

Gene: TwoBits_39 Start: 29510, Stop: 28083, Start Num: 188

Candidate Starts for TwoBits_39:

(Start: 188 @29510 has 25 MA's), (199, 29480), (201, 29474), (Start: 243 @29402 has 1 MA's), (272, 29363), (Start: 274 @29360 has 1 MA's), (276, 29357), (297, 29297), (376, 29120), (378, 29117), (425, 29024), (447, 28955), (493, 28862), (514, 28805), (534, 28757), (535, 28745), (545, 28724), (573, 28643), (583, 28610), (600, 28556), (602, 28550), (619, 28514), (622, 28511), (648, 28451), (687, 28343), (691, 28334), (697, 28319), (698, 28313), (704, 28295), (739, 28190), (771, 28118),

Gene: Typher_35 Start: 23381, Stop: 24808, Start Num: 126

Candidate Starts for Typher_35:

(102, 23339), (Start: 126 @23381 has 19 MA's), (300, 23699), (360, 23801), (389, 23846), (405, 23867), (519, 24134), (534, 24182), (539, 24203), (569, 24260), (578, 24293), (595, 24329), (630, 24407), (641, 24428), (675, 24509), (676, 24512), (706, 24599), (710, 24611), (721, 24650), (734, 24686), (745, 24704), (782, 24767),

Gene: Typhonomachy_52 Start: 38552, Stop: 37074, Start Num: 143

Candidate Starts for Typhonomachy_52:

(Start: 143 @38552 has 53 MA's), (193, 38465), (195, 38459), (234, 38378), (244, 38357), (308, 38231), (403, 38048), (406, 38042), (409, 38036), (441, 37958), (495, 37844), (508, 37817), (514, 37793), (534, 37733), (548, 37688), (559, 37667), (578, 37628), (584, 37610), (631, 37493), (652, 37445), (653, 37442), (657, 37427), (691, 37331), (698, 37310), (707, 37280),

Gene: UNTPL_44 Start: 31380, Stop: 32774, Start Num: 132

Candidate Starts for UNTPL_44:

(Start: 132 @31380 has 13 MA's), (Start: 134 @31383 has 3 MA's), (172, 31458), (185, 31482), (205, 31512), (215, 31527), (277, 31617), (295, 31653), (360, 31752), (364, 31761), (411, 31830), (465, 31953), (519, 32088), (528, 32115), (534, 32136), (569, 32214), (578, 32247), (582, 32256), (598, 32298), (628, 32364), (641, 32388), (649, 32406), (656, 32424), (676, 32478), (686, 32508), (706, 32565), (707, 32568), (721, 32616), (736, 32655), (745, 32670), (787, 32739), (798, 32757), (800, 32766),

Gene: Untouchable_88 Start: 55472, Stop: 56686, Start Num: 161

Candidate Starts for Untouchable_88:

(Start: 161 @55472 has 143 MA's), (164, 55478), (Start: 192 @55532 has 23 MA's), (193, 55535), (196, 55547), (218, 55595), (221, 55598), (252, 55640), (279, 55682), (288, 55709), (291, 55715), (306, 55754), (341, 55832), (342, 55835), (371, 55895), (421, 55997), (431, 56027), (448, 56078), (452, 56087), (470, 56117), (474, 56126), (486, 56150), (487, 56153), (489, 56159), (492, 56165), (500, 56192), (504, 56201), (510, 56219), (513, 56228), (514, 56231), (517, 56240), (531, 56282), (532, 56285), (538, 56309), (547, 56333), (576, 56363), (604, 56378), (676, 56411), (695, 56450), (707, 56492), (749, 56609), (759, 56636), (773, 56669),

Gene: Urla_26 Start: 21745, Stop: 23142, Start Num: 123

Candidate Starts for Urla_26:

(Start: 123 @21745 has 76 MA's), (158, 21805), (215, 21910), (268, 21997), (289, 22030), (313, 22081), (317, 22087), (375, 22168), (379, 22177), (405, 22213), (414, 22231), (416, 22234), (433, 22267), (441, 22288), (485, 22369), (503, 22420), (512, 22447), (523, 22477), (526, 22486), (533, 22507), (534, 22513), (545, 22546), (549, 22561), (554, 22570), (578, 22621), (593, 22651), (628, 22732), (649, 22774), (665, 22807), (682, 22870), (694, 22891), (696, 22897), (699, 22912), (706, 22933), (734, 23020), (768, 23077), (790, 23110),

Gene: Uterion_82 Start: 49462, Stop: 47939, Start Num: 129

Candidate Starts for Uterion_82:

(33, 49723), (42, 49681), (Start: 129 @49462 has 41 MA's), (182, 49351), (202, 49312), (207, 49303), (232, 49264), (263, 49207), (285, 49165), (291, 49147), (310, 49093), (329, 49048), (330, 49045),

(387, 48943), (440, 48820), (455, 48784), (473, 48745), (499, 48679), (510, 48652), (516, 48634), (526, 48604), (545, 48544), (558, 48514), (562, 48502), (564, 48496), (690, 48187), (697, 48169), (707, 48127), (709, 48121), (714, 48103), (715, 48100), (773, 47974),

Gene: Uzumaki_75 Start: 45845, Stop: 47092, Start Num: 159

Candidate Starts for Uzumaki_75:

(Start: 159 @45845 has 48 MA's), (Start: 239 @46007 has 1 MA's), (244, 46019), (279, 46073), (308, 46151), (342, 46226), (385, 46316), (390, 46325), (431, 46418), (452, 46478), (491, 46553), (514, 46622), (749, 46997), (756, 47015),

Gene: Vafari_40 Start: 29079, Stop: 27652, Start Num: 188

Candidate Starts for Vafari_40:

(Start: 188 @29079 has 25 MA's), (199, 29049), (201, 29043), (247, 28965), (Start: 274 @28929 has 1 MA's), (276, 28926), (278, 28923), (376, 28689), (378, 28686), (493, 28431), (512, 28380), (514, 28374), (534, 28326), (545, 28293), (549, 28278), (575, 28206), (583, 28179), (586, 28170), (600, 28125), (602, 28119), (615, 28092), (648, 28020), (675, 27948), (687, 27912), (691, 27903), (697, 27888), (698, 27882), (704, 27864), (716, 27822), (739, 27759), (771, 27687),

Gene: Vallejo_29 Start: 22089, Stop: 23489, Start Num: 123

Candidate Starts for Vallejo_29:

(Start: 123 @22089 has 76 MA's), (158, 22152), (215, 22257), (217, 22260), (268, 22344), (289, 22377), (313, 22428), (317, 22434), (375, 22515), (376, 22518), (379, 22524), (405, 22560), (414, 22578), (416, 22581), (433, 22614), (441, 22635), (448, 22653), (464, 22686), (503, 22767), (512, 22794), (523, 22824), (526, 22833), (534, 22860), (545, 22893), (549, 22908), (576, 22962), (586, 22983), (592, 22995), (596, 23007), (690, 23229), (694, 23238), (696, 23244), (706, 23280), (723, 23340), (734, 23367), (790, 23457),

Gene: Vardy_85 Start: 53995, Stop: 55209, Start Num: 161

Candidate Starts for Vardy_85:

(Start: 161 @53995 has 143 MA's), (164, 54001), (Start: 192 @54055 has 23 MA's), (193, 54058), (196, 54070), (221, 54121), (252, 54163), (279, 54205), (291, 54238), (306, 54277), (308, 54283), (341, 54355), (342, 54358), (371, 54418), (421, 54520), (431, 54550), (439, 54577), (448, 54601), (452, 54610), (470, 54640), (474, 54649), (476, 54652), (487, 54676), (492, 54688), (500, 54715), (504, 54724), (510, 54742), (513, 54751), (514, 54754), (517, 54763), (528, 54796), (532, 54808), (538, 54832), (547, 54856), (604, 54901), (684, 54955), (690, 54961), (695, 54973), (725, 55081), (749, 55132), (759, 55159), (773, 55192),

Gene: Velene_41 Start: 31119, Stop: 29731, Start Num: 186

Candidate Starts for Velene_41:

(4, 31770), (50, 31416), (74, 31341), (Start: 186 @31119 has 151 MA's), (270, 30975), (Start: 274 @30969 has 1 MA's), (276, 30966), (319, 30852), (335, 30825), (360, 30765), (376, 30738), (378, 30735), (427, 30639), (439, 30597), (514, 30426), (523, 30405), (534, 30378), (549, 30330), (583, 30270), (648, 30111), (669, 30057), (698, 29973), (699, 29967), (704, 29955), (734, 29859), (759, 29805), (760, 29802), (771, 29778),

Gene: Vine_59 Start: 41084, Stop: 39606, Start Num: 143

Candidate Starts for Vine_59:

(87, 41162), (120, 41111), (122, 41108), (Start: 143 @41084 has 53 MA's), (179, 41021), (193, 41000), (195, 40994), (Start: 204 @40967 has 1 MA's), (234, 40913), (257, 40877), (267, 40862), (307, 40766), (310, 40757), (316, 40736), (348, 40670), (378, 40634), (403, 40580), (406, 40574), (409, 40568), (441, 40490), (447, 40475), (495, 40376), (522, 40301), (530, 40277), (534, 40265), (540, 40244), (546, 40229), (548, 40220), (559, 40199), (578, 40160), (581, 40151), (586, 40136), (604, 40085), (633, 40016), (635, 40013), (652, 39971), (657, 39953), (691, 39857), (707, 39806), (716, 39776),

(724, 39743), (752, 39686), (758, 39671),

Gene: Virizion_75 Start: 50499, Stop: 48628, Start Num: 29

Candidate Starts for Virizion_75:

(Start: 23 @50514 has 8 MA's), (Start: 29 @50499 has 6 MA's), (35, 50436), (38, 50427), (68, 50322), (82, 50283), (93, 50259), (135, 50184), (Start: 143 @50160 has 53 MA's), (227, 50001), (249, 49962), (254, 49953), (303, 49845), (357, 49737), (382, 49689), (431, 49584), (448, 49533), (475, 49473), (501, 49407), (510, 49386), (511, 49383), (545, 49278), (547, 49269), (553, 49257), (588, 49158), (644, 49041), (649, 49029), (657, 49002), (691, 48912), (697, 48897), (710, 48843), (725, 48786), (779, 48678), (794, 48660),

Gene: Vispistious_41 Start: 31121, Stop: 29733, Start Num: 186

Candidate Starts for Vispistious_41:

(4, 31772), (50, 31418), (74, 31343), (Start: 186 @31121 has 151 MA's), (270, 30977), (Start: 274 @30971 has 1 MA's), (276, 30968), (319, 30854), (335, 30827), (360, 30767), (376, 30740), (378, 30737), (427, 30641), (439, 30599), (514, 30428), (523, 30407), (534, 30380), (549, 30332), (583, 30272), (648, 30113), (669, 30059), (698, 29975), (699, 29969), (704, 29957), (734, 29861), (759, 29807), (760, 29804), (771, 29780),

Gene: Vulture_26 Start: 21745, Stop: 23139, Start Num: 123

Candidate Starts for Vulture_26:

(Start: 123 @21745 has 76 MA's), (158, 21802), (Start: 204 @21889 has 1 MA's), (215, 21907), (217, 21910), (268, 21994), (289, 22027), (313, 22078), (317, 22084), (360, 22144), (379, 22174), (405, 22210), (414, 22228), (433, 22264), (441, 22285), (448, 22303), (451, 22309), (464, 22336), (503, 22417), (512, 22444), (521, 22468), (526, 22483), (534, 22510), (545, 22543), (549, 22558), (625, 22726), (641, 22753), (646, 22765), (655, 22783), (686, 22873), (690, 22879), (696, 22894), (697, 22897), (706, 22930), (723, 22990), (734, 23017), (768, 23074), (790, 23107), (800, 23131),

Gene: Wallaby_51 Start: 37932, Stop: 36442, Start Num: 143

Candidate Starts for Wallaby_51:

(Start: 143 @37932 has 53 MA's), (195, 37842), (Start: 204 @37815 has 1 MA's), (228, 37773), (257, 37725), (Start: 274 @37698 has 1 MA's), (307, 37617), (308, 37614), (310, 37608), (316, 37587), (348, 37521), (403, 37431), (409, 37419), (436, 37356), (441, 37341), (447, 37326), (503, 37209), (508, 37200), (532, 37122), (540, 37095), (545, 37083), (548, 37071), (572, 37032), (578, 37011), (579, 37008), (584, 36993), (604, 36921), (633, 36852), (652, 36807), (668, 36762), (673, 36747), (681, 36717), (691, 36693), (707, 36642), (716, 36612), (741, 36546), (752, 36522), (765, 36489), (788, 36453),

Gene: Wardwill_42 Start: 29255, Stop: 27828, Start Num: 188

Candidate Starts for Wardwill_42:

(Start: 188 @29255 has 25 MA's), (199, 29225), (201, 29219), (Start: 274 @29105 has 1 MA's), (276, 29102), (278, 29099), (376, 28865), (378, 28862), (493, 28607), (503, 28583), (512, 28556), (514, 28550), (534, 28502), (545, 28469), (583, 28355), (586, 28346), (600, 28301), (602, 28295), (615, 28268), (648, 28196), (675, 28124), (687, 28088), (691, 28079), (697, 28064), (698, 28058), (704, 28040), (716, 27998), (739, 27935), (771, 27863),

Gene: WaterT_90 Start: 50077, Stop: 48617, Start Num: 101

Candidate Starts for WaterT_90:

(Start: 101 @50077 has 5 MA's), (117, 50047), (175, 49933), (222, 49849), (287, 49723), (297, 49699), (334, 49621), (340, 49609), (343, 49603), (346, 49597), (352, 49582), (364, 49561), (406, 49486), (416, 49468), (450, 49372), (455, 49363), (500, 49258), (512, 49228), (513, 49225), (515, 49219), (522, 49207), (523, 49204), (543, 49144), (546, 49135), (587, 49045), (626, 48991), (645, 48955), (683, 48874), (686, 48871), (690, 48868), (694, 48859), (715, 48781), (717, 48775), (751, 48697),

(764, 48676), (778, 48649), (780, 48646), (790, 48634),

Gene: Wawa_29 Start: 22126, Stop: 23526, Start Num: 123

Candidate Starts for Wawa_29:

(Start: 123 @22126 has 76 MA's), (158, 22189), (215, 22294), (217, 22297), (268, 22381), (289, 22414), (313, 22465), (317, 22471), (375, 22552), (376, 22555), (379, 22561), (405, 22597), (414, 22615), (416, 22618), (433, 22651), (441, 22672), (448, 22690), (464, 22723), (503, 22804), (512, 22831), (523, 22861), (526, 22870), (534, 22897), (545, 22930), (549, 22945), (576, 22999), (586, 23020), (592, 23032), (596, 23044), (649, 23158), (690, 23266), (694, 23275), (696, 23281), (706, 23317), (723, 23377), (734, 23404), (790, 23494),

Gene: Wayne_29 Start: 22211, Stop: 23605, Start Num: 123

Candidate Starts for Wayne_29:

(Start: 123 @22211 has 76 MA's), (158, 22268), (215, 22373), (268, 22460), (313, 22544), (316, 22547), (317, 22550), (379, 22640), (405, 22676), (409, 22685), (414, 22694), (441, 22751), (448, 22769), (464, 22802), (472, 22814), (503, 22883), (512, 22910), (521, 22934), (534, 22976), (545, 23009), (549, 23024), (554, 23033), (596, 23123), (625, 23192), (641, 23219), (649, 23237), (655, 23249), (686, 23339), (690, 23345), (694, 23354), (696, 23360), (706, 23396), (734, 23483), (765, 23534), (790, 23573), (800, 23597),

Gene: Welcome_86 Start: 50242, Stop: 48722, Start Num: 129

Candidate Starts for Welcome_86:

(111, 50275), (Start: 129 @50242 has 41 MA's), (153, 50191), (207, 50083), (245, 50017), (283, 49951), (336, 49813), (364, 49756), (386, 49723), (387, 49720), (420, 49657), (437, 49606), (440, 49597), (444, 49588), (446, 49582), (457, 49558), (466, 49534), (486, 49495), (492, 49480), (510, 49429), (546, 49318), (558, 49291), (574, 49246), (697, 48952), (705, 48922), (717, 48877), (734, 48826), (762, 48781), (771, 48763),

Gene: Wentworth_70 Start: 50269, Stop: 48383, Start Num: 23

Candidate Starts for Wentworth_70:

(13, 50335), (14, 50326), (17, 50305), (22, 50272), (Start: 23 @50269 has 8 MA's), (Start: 29 @50254 has 6 MA's), (35, 50191), (38, 50182), (41, 50170), (53, 50122), (63, 50089), (68, 50077), (76, 50056), (93, 50014), (135, 49939), (Start: 143 @49915 has 53 MA's), (249, 49717), (254, 49708), (282, 49663), (303, 49600), (357, 49492), (382, 49444), (431, 49339), (448, 49288), (475, 49228), (510, 49141), (511, 49138), (545, 49033), (547, 49024), (553, 49012), (588, 48913), (644, 48796), (649, 48784), (657, 48757), (661, 48751), (691, 48667), (710, 48598), (725, 48541), (733, 48523), (761, 48469), (794, 48415),

Gene: WestPM_37 Start: 29337, Stop: 27952, Start Num: 183

Candidate Starts for WestPM_37:

(Start: 183 @29337 has 2 MA's), (297, 29124), (319, 29061), (332, 29040), (376, 28947), (378, 28944), (391, 28923), (399, 28902), (439, 28806), (493, 28692), (503, 28668), (514, 28635), (524, 28611), (530, 28599), (534, 28587), (535, 28575), (537, 28572), (545, 28554), (573, 28512), (583, 28479), (587, 28467), (590, 28455), (619, 28383), (687, 28212), (691, 28203), (697, 28188), (698, 28182), (699, 28176), (734, 28068), (739, 28059), (753, 28029), (766, 27996), (771, 27987),

Gene: Westerlin_69 Start: 49204, Stop: 50427, Start Num: 164

Candidate Starts for Westerlin_69:

(155, 49189), (Start: 159 @49195 has 48 MA's), (164, 49204), (174, 49234), (Start: 180 @49243 has 9 MA's), (218, 49321), (244, 49369), (Start: 255 @49387 has 1 MA's), (308, 49501), (341, 49573), (371, 49636), (385, 49666), (419, 49735), (452, 49828), (454, 49834), (476, 49870), (514, 49972), (676, 50149), (691, 50179), (707, 50230), (720, 50275), (721, 50278), (749, 50347), (756, 50365),

Gene: Wigberry_84 Start: 50233, Stop: 51690, Start Num: 161

Candidate Starts for Wigberry_84:

(Start: 161 @50233 has 143 MA's), (259, 50377), (307, 50476), (385, 50653), (421, 50725), (452, 50815), (477, 50860), (486, 50878), (514, 50959), (527, 50998), (528, 51001), (538, 51037), (549, 51067), (576, 51118), (620, 51253), (638, 51289), (663, 51358), (684, 51415), (708, 51478), (723, 51532), (725, 51541), (742, 51574), (743, 51577), (744, 51580), (754, 51607), (759, 51619), (760, 51622), (776, 51655), (791, 51673),

Gene: WildNOut_41 Start: 31117, Stop: 29729, Start Num: 186

Candidate Starts for WildNOut_41:

(4, 31768), (50, 31414), (74, 31339), (Start: 186 @31117 has 151 MA's), (270, 30973), (Start: 274 @30967 has 1 MA's), (276, 30964), (319, 30850), (335, 30823), (360, 30763), (376, 30736), (378, 30733), (427, 30637), (439, 30595), (514, 30424), (523, 30403), (534, 30376), (549, 30328), (583, 30268), (648, 30109), (669, 30055), (698, 29971), (699, 29965), (704, 29953), (734, 29857), (759, 29803), (760, 29800), (771, 29776),

Gene: Wilkos_72 Start: 50432, Stop: 48546, Start Num: 23

Candidate Starts for Wilkos_72:

(10, 50525), (13, 50498), (14, 50489), (17, 50468), (22, 50435), (Start: 23 @50432 has 8 MA's), (Start: 29 @50417 has 6 MA's), (35, 50354), (38, 50345), (41, 50333), (53, 50285), (63, 50252), (68, 50240), (76, 50219), (93, 50177), (135, 50102), (187, 49994), (205, 49949), (249, 49880), (254, 49871), (303, 49763), (382, 49607), (423, 49523), (431, 49502), (448, 49451), (475, 49391), (511, 49301), (529, 49247), (545, 49196), (547, 49187), (553, 49175), (568, 49142), (588, 49076), (649, 48947), (657, 48920), (661, 48914), (691, 48830), (710, 48761), (714, 48746), (725, 48704), (733, 48686), (761, 48632), (794, 48578),

Gene: WilliamStrong_40 Start: 30915, Stop: 29497, Start Num: 188

Candidate Starts for WilliamStrong_40:

(Start: 188 @30915 has 25 MA's), (Start: 192 @30909 has 23 MA's), (199, 30885), (Start: 243 @30807 has 1 MA's), (272, 30768), (Start: 274 @30765 has 1 MA's), (297, 30702), (315, 30651), (325, 30630), (335, 30612), (353, 30573), (376, 30525), (378, 30522), (380, 30519), (399, 30480), (425, 30429), (493, 30267), (511, 30219), (512, 30216), (514, 30210), (523, 30189), (535, 30150), (545, 30129), (583, 30015), (587, 30003), (600, 29961), (615, 29928), (619, 29919), (648, 29856), (687, 29748), (691, 29739), (697, 29724), (698, 29718), (699, 29712), (704, 29700), (749, 29577), (753, 29565),

Gene: WinnieLou_41 Start: 25545, Stop: 27452, Start Num: 27

Candidate Starts for WinnieLou_41:

(5, 25371), (Start: 27 @25545 has 36 MA's), (35, 25608), (41, 25629), (54, 25683), (127, 25845), (135, 25860), (156, 25905), (249, 26079), (254, 26088), (297, 26178), (311, 26220), (317, 26235), (410, 26421), (457, 26529), (469, 26556), (475, 26568), (490, 26601), (534, 26730), (576, 26847), (691, 27159), (707, 27219), (737, 27309), (753, 27339), (771, 27381), (799, 27432),

Gene: Winzigespinne_40 Start: 30802, Stop: 29414, Start Num: 186

Candidate Starts for Winzigespinne_40:

(74, 31024), (Start: 186 @30802 has 151 MA's), (270, 30658), (Start: 274 @30652 has 1 MA's), (276, 30649), (319, 30535), (335, 30508), (360, 30448), (376, 30421), (378, 30418), (427, 30322), (439, 30280), (514, 30109), (523, 30088), (530, 30073), (534, 30061), (549, 30013), (583, 29953), (619, 29857), (648, 29794), (669, 29740), (698, 29656), (699, 29650), (704, 29638), (724, 29563), (759, 29488), (760, 29485), (771, 29461),

Gene: Wolfstar_82 Start: 50847, Stop: 49330, Start Num: 133

Candidate Starts for Wolfstar_82:

(18, 51207), (110, 50889), (Start: 133 @50847 has 1 MA's), (202, 50703), (207, 50694), (263, 50598), (282, 50565), (310, 50484), (329, 50439), (330, 50436), (387, 50334), (440, 50211), (444, 50202), (473, 50136), (543, 49941), (545, 49935), (558, 49905), (560, 49899), (562, 49893), (626, 49722), (697, 49560), (709, 49512), (740, 49428), (762, 49389), (773, 49365),

Gene: Wolfwood_49 Start: 37906, Stop: 36416, Start Num: 143

Candidate Starts for Wolfwood_49:

(Start: 143 @37906 has 53 MA's), (195, 37816), (Start: 204 @37789 has 1 MA's), (228, 37747), (257, 37699), (Start: 274 @37672 has 1 MA's), (307, 37591), (308, 37588), (310, 37582), (316, 37561), (348, 37495), (403, 37405), (409, 37393), (436, 37330), (441, 37315), (447, 37300), (503, 37183), (508, 37174), (532, 37096), (540, 37069), (545, 37057), (548, 37045), (572, 37006), (578, 36985), (579, 36982), (584, 36967), (604, 36895), (633, 36826), (652, 36781), (668, 36736), (673, 36721), (681, 36691), (691, 36667), (707, 36616), (716, 36586), (741, 36520), (752, 36496), (765, 36463), (788, 36427),

Gene: Wollypog_43 Start: 30596, Stop: 32524, Start Num: 24

Candidate Starts for Wollypog_43:

(Start: 24 @30596 has 1 MA's), (31, 30620), (54, 30746), (73, 30794), (93, 30848), (128, 30911), (135, 30923), (193, 31034), (227, 31100), (230, 31106), (283, 31199), (293, 31229), (297, 31244), (300, 31250), (429, 31514), (445, 31562), (449, 31574), (469, 31619), (497, 31688), (506, 31709), (545, 31829), (571, 31895), (583, 31934), (604, 31997), (694, 32228), (720, 32327), (728, 32354), (771, 32453), (775, 32462),

Gene: WonderBoy_25 Start: 20548, Stop: 21942, Start Num: 123

Candidate Starts for WonderBoy_25:

(Start: 123 @20548 has 76 MA's), (158, 20605), (215, 20710), (268, 20797), (289, 20830), (313, 20881), (317, 20887), (375, 20968), (376, 20971), (379, 20977), (405, 21013), (414, 21031), (416, 21034), (433, 21067), (441, 21088), (503, 21220), (512, 21247), (526, 21286), (533, 21307), (534, 21313), (545, 21346), (549, 21361), (554, 21370), (576, 21415), (593, 21451), (609, 21493), (641, 21556), (649, 21574), (686, 21676), (689, 21679), (696, 21697), (697, 21700), (705, 21724), (706, 21733), (734, 21820), (790, 21910), (800, 21934),

Gene: Xebius_40 Start: 30931, Stop: 29519, Start Num: 192

Candidate Starts for Xebius_40:

(Start: 192 @30931 has 23 MA's), (201, 30901), (Start: 204 @30895 has 1 MA's), (224, 30862), (319, 30670), (335, 30643), (360, 30583), (376, 30556), (378, 30553), (399, 30511), (427, 30457), (439, 30415), (493, 30301), (514, 30244), (523, 30223), (530, 30208), (534, 30196), (535, 30184), (537, 30181), (545, 30163), (572, 30082), (583, 30046), (600, 29992), (617, 29950), (633, 29920), (644, 29896), (647, 29890), (666, 29848), (687, 29779), (697, 29755), (698, 29749), (699, 29743), (704, 29731), (734, 29635), (739, 29626), (749, 29608), (753, 29596), (772, 29551),

Gene: Xenomorph_75 Start: 46873, Stop: 48183, Start Num: 161

Candidate Starts for Xenomorph_75:

(Start: 161 @46873 has 143 MA's), (371, 47311), (385, 47341), (419, 47410), (434, 47455), (448, 47494), (452, 47503), (470, 47533), (491, 47578), (492, 47581), (504, 47617), (510, 47635), (512, 47641), (513, 47644), (514, 47647), (518, 47659), (535, 47719), (547, 47749), (735, 47992), (744, 48010), (773, 48082), (797, 48118),

Gene: Yakult_55 Start: 39767, Stop: 38292, Start Num: 146

Candidate Starts for Yakult_55:

(Start: 146 @39767 has 11 MA's), (168, 39725), (195, 39677), (Start: 204 @39650 has 1 MA's), (216, 39626), (234, 39596), (244, 39575), (250, 39566), (257, 39560), (297, 39476), (301, 39467), (305, 39458), (308, 39449), (310, 39443), (378, 39320), (403, 39266), (406, 39260), (409, 39254), (431,

39209), (441, 39176), (527, 38972), (530, 38963), (556, 38891), (578, 38846), (584, 38828), (586, 38822), (601, 38777), (604, 38771), (613, 38750), (633, 38702), (635, 38699), (652, 38657), (653, 38654), (657, 38639), (691, 38543), (707, 38492), (724, 38429), (749, 38381), (757, 38360), (788, 38303),

Gene: Yappy_96 Start: 49042, Stop: 47645, Start Num: 115

Candidate Starts for Yappy_96:

(Start: 115 @49042 has 1 MA's), (165, 48952), (171, 48940), (182, 48919), (209, 48868), (245, 48811), (251, 48805), (297, 48712), (304, 48700), (325, 48649), (347, 48604), (358, 48586), (392, 48526), (432, 48439), (442, 48412), (477, 48346), (531, 48232), (540, 48202), (549, 48175), (556, 48166), (570, 48142), (574, 48130), (587, 48097), (588, 48094), (604, 48076), (626, 48046), (639, 48022), (646, 48007), (676, 47932), (686, 47899), (705, 47848), (710, 47827), (722, 47785), (734, 47752), (772, 47686), (786, 47665),

Gene: Yara_66 Start: 49125, Stop: 47230, Start Num: 23

Candidate Starts for Yara_66:

(Start: 23 @49125 has 8 MA's), (28, 49113), (Start: 29 @49110 has 6 MA's), (32, 49071), (35, 49047), (38, 49038), (41, 49026), (68, 48933), (93, 48870), (135, 48795), (Start: 143 @48771 has 53 MA's), (151, 48756), (205, 48645), (219, 48624), (249, 48576), (311, 48438), (415, 48240), (431, 48198), (448, 48147), (475, 48087), (478, 48081), (511, 47997), (545, 47892), (553, 47871), (561, 47853), (573, 47820), (588, 47772), (644, 47649), (649, 47637), (657, 47610), (691, 47520), (693, 47517), (710, 47451), (725, 47394), (733, 47376), (735, 47373), (771, 47301), (799, 47250),

Gene: Yarn_50 Start: 38320, Stop: 36842, Start Num: 143

Candidate Starts for Yarn_50:

(Start: 143 @38320 has 53 MA's), (195, 38227), (Start: 204 @38200 has 1 MA's), (244, 38125), (Start: 274 @38083 has 1 MA's), (307, 38002), (378, 37870), (403, 37816), (409, 37804), (441, 37726), (495, 37612), (508, 37585), (514, 37561), (527, 37522), (548, 37456), (559, 37435), (584, 37378), (631, 37261), (652, 37213), (657, 37195), (691, 37099), (698, 37078), (707, 37048),

Gene: Yeezus_70 Start: 47415, Stop: 46021, Start Num: 129

Candidate Starts for Yeezus_70:

(Start: 129 @47415 has 41 MA's), (165, 47346), (202, 47271), (212, 47253), (232, 47223), (281, 47142), (426, 46848), (437, 46809), (489, 46695), (531, 46623), (540, 46593), (546, 46578), (549, 46566), (578, 46515), (610, 46464), (621, 46446), (626, 46437), (651, 46389), (705, 46239), (790, 46050),

Gene: YoshiYama_81 Start: 47625, Stop: 48935, Start Num: 161

Candidate Starts for YoshiYama_81:

(Start: 161 @47625 has 143 MA's), (308, 47928), (371, 48063), (385, 48093), (434, 48207), (452, 48255), (470, 48285), (477, 48300), (491, 48330), (492, 48333), (510, 48387), (512, 48393), (513, 48396), (514, 48399), (518, 48411), (535, 48471), (547, 48501), (735, 48744), (744, 48762), (773, 48834), (797, 48870),

Gene: Yotsuba_76 Start: 49771, Stop: 51048, Start Num: 161

Candidate Starts for Yotsuba_76:

(Start: 161 @49771 has 143 MA's), (196, 49846), (Start: 239 @49930 has 1 MA's), (308, 50074), (319, 50110), (342, 50149), (371, 50209), (385, 50239), (452, 50401), (510, 50533), (517, 50554), (529, 50590), (532, 50599), (549, 50653), (604, 50689), (691, 50752), (707, 50803), (711, 50818), (725, 50869), (742, 50902),

Gene: Yucky_59 Start: 40876, Stop: 39398, Start Num: 143

Candidate Starts for Yucky_59:

(87, 40954), (120, 40903), (122, 40900), (Start: 143 @40876 has 53 MA's), (179, 40813), (193, 40792), (195, 40786), (Start: 204 @40759 has 1 MA's), (234, 40705), (257, 40669), (267, 40654), (307, 40558), (310, 40549), (316, 40528), (348, 40462), (378, 40426), (403, 40372), (406, 40366), (409, 40360), (441, 40282), (447, 40267), (495, 40168), (522, 40093), (530, 40069), (534, 40057), (540, 40036), (546, 40021), (548, 40012), (559, 39991), (578, 39952), (581, 39943), (586, 39928), (604, 39877), (633, 39808), (635, 39805), (652, 39763), (657, 39745), (691, 39649), (707, 39598), (716, 39568), (724, 39535), (752, 39478), (758, 39463),

Gene: Yuma_83 Start: 49751, Stop: 48231, Start Num: 129

Candidate Starts for Yuma_83:

(111, 49784), (Start: 129 @49751 has 41 MA's), (153, 49700), (207, 49592), (245, 49526), (283, 49460), (329, 49337), (336, 49322), (364, 49265), (386, 49232), (387, 49229), (420, 49166), (437, 49115), (440, 49106), (444, 49097), (466, 49043), (486, 49004), (492, 48989), (516, 48920), (526, 48890), (546, 48827), (574, 48755), (651, 48569), (697, 48461), (705, 48431), (717, 48386), (734, 48335), (771, 48272),

Gene: Yummy_55 Start: 38695, Stop: 37217, Start Num: 143

Candidate Starts for Yummy_55:

(Start: 143 @38695 has 53 MA's), (193, 38608), (195, 38602), (216, 38551), (244, 38500), (257, 38485), (297, 38401), (307, 38377), (310, 38368), (378, 38245), (403, 38191), (406, 38185), (409, 38179), (427, 38149), (441, 38101), (495, 37987), (508, 37960), (514, 37936), (540, 37855), (548, 37831), (559, 37810), (578, 37771), (584, 37753), (586, 37747), (631, 37636), (635, 37630), (652, 37588), (657, 37570), (687, 37483), (691, 37474), (698, 37453), (707, 37423), (716, 37393), (724, 37360), (753, 37300), (765, 37270),

Gene: YuuY_40 Start: 31212, Stop: 29842, Start Num: 192

Candidate Starts for YuuY_40:

(Start: 192 @31212 has 23 MA's), (224, 31143), (278, 31062), (319, 30951), (335, 30924), (360, 30864), (376, 30837), (378, 30834), (427, 30738), (493, 30582), (514, 30525), (523, 30504), (530, 30489), (534, 30477), (535, 30465), (540, 30456), (545, 30444), (549, 30429), (572, 30405), (583, 30369), (586, 30360), (600, 30315), (617, 30273), (648, 30210), (654, 30198), (666, 30171), (687, 30102), (691, 30093), (697, 30078), (698, 30072), (699, 30066), (704, 30054), (734, 29958), (739, 29949), (749, 29931), (753, 29919),

Gene: Zada_42 Start: 31090, Stop: 29702, Start Num: 186

Candidate Starts for Zada_42:

(50, 31387), (74, 31312), (Start: 186 @31090 has 151 MA's), (270, 30946), (Start: 274 @30940 has 1 MA's), (276, 30937), (319, 30823), (335, 30796), (360, 30736), (376, 30709), (378, 30706), (427, 30610), (439, 30568), (492, 30457), (514, 30397), (530, 30361), (534, 30349), (549, 30301), (583, 30241), (619, 30145), (648, 30082), (669, 30028), (698, 29944), (699, 29938), (704, 29926), (734, 29830), (759, 29776), (760, 29773), (771, 29749),

Gene: Zanella_33 Start: 23260, Stop: 24687, Start Num: 126

Candidate Starts for Zanella_33:

(102, 23218), (Start: 126 @23260 has 19 MA's), (300, 23578), (389, 23725), (405, 23746), (519, 24013), (534, 24061), (539, 24082), (569, 24139), (578, 24172), (595, 24208), (630, 24286), (641, 24307), (675, 24388), (676, 24391), (706, 24478), (710, 24490), (721, 24529), (734, 24565), (738, 24571), (739, 24574), (745, 24583), (782, 24646),

Gene: Zareef_49 Start: 37928, Stop: 36438, Start Num: 143

Candidate Starts for Zareef_49:

(Start: 143 @37928 has 53 MA's), (195, 37838), (Start: 204 @37811 has 1 MA's), (228, 37769), (250, 37727), (257, 37721), (Start: 274 @37694 has 1 MA's), (307, 37613), (308, 37610), (310, 37604), (316,

37583), (348, 37517), (403, 37427), (409, 37415), (436, 37352), (441, 37337), (447, 37322), (503, 37205), (508, 37196), (532, 37118), (540, 37091), (545, 37079), (548, 37067), (572, 37028), (578, 37007), (579, 37004), (584, 36989), (604, 36917), (633, 36848), (652, 36803), (668, 36758), (673, 36743), (681, 36713), (691, 36689), (707, 36638), (716, 36608), (741, 36542), (752, 36518), (765, 36485), (788, 36449),

Gene: Zayuliv_40 Start: 29694, Stop: 28267, Start Num: 188

Candidate Starts for Zayuliv_40:

(Start: 188 @29694 has 25 MA's), (199, 29664), (201, 29658), (Start: 274 @29544 has 1 MA's), (276, 29541), (278, 29538), (376, 29304), (378, 29301), (493, 29046), (512, 28995), (514, 28989), (534, 28941), (545, 28908), (583, 28794), (586, 28785), (600, 28740), (602, 28734), (615, 28707), (648, 28635), (675, 28563), (687, 28527), (691, 28518), (697, 28503), (698, 28497), (704, 28479), (716, 28437), (739, 28374), (771, 28302),

Gene: Zeina_80 Start: 46870, Stop: 48117, Start Num: 159

Candidate Starts for Zeina_80:

(Start: 159 @46870 has 48 MA's), (Start: 239 @47032 has 1 MA's), (244, 47044), (279, 47098), (308, 47176), (341, 47248), (385, 47341), (390, 47350), (452, 47503), (491, 47578), (514, 47647), (731, 47986), (749, 48022), (756, 48040),

Gene: Zenitsu_40 Start: 30973, Stop: 29561, Start Num: 192

Candidate Starts for Zenitsu_40:

(Start: 186 @30976 has 151 MA's), (Start: 192 @30973 has 23 MA's), (201, 30943), (Start: 204 @30937 has 1 MA's), (224, 30904), (319, 30712), (335, 30685), (360, 30625), (376, 30598), (378, 30595), (399, 30553), (427, 30499), (439, 30457), (493, 30343), (514, 30286), (523, 30265), (530, 30250), (534, 30238), (535, 30226), (537, 30223), (545, 30205), (572, 30124), (583, 30088), (600, 30034), (617, 29992), (633, 29962), (640, 29947), (644, 29938), (647, 29932), (666, 29890), (687, 29821), (697, 29797), (698, 29791), (699, 29785), (704, 29773), (734, 29677), (739, 29668), (749, 29650), (753, 29638), (756, 29632), (772, 29593),

Gene: Zeph_88 Start: 55276, Stop: 56490, Start Num: 161

Candidate Starts for Zeph_88:

(Start: 161 @55276 has 143 MA's), (164, 55282), (Start: 192 @55336 has 23 MA's), (193, 55339), (196, 55351), (218, 55399), (221, 55402), (252, 55444), (279, 55486), (288, 55513), (291, 55519), (306, 55558), (341, 55636), (342, 55639), (371, 55699), (421, 55801), (431, 55831), (439, 55858), (448, 55882), (449, 55885), (452, 55891), (470, 55921), (474, 55930), (476, 55933), (486, 55954), (487, 55957), (489, 55963), (492, 55969), (500, 55996), (504, 56005), (510, 56023), (513, 56032), (514, 56035), (517, 56044), (532, 56089), (538, 56113), (547, 56137), (604, 56182), (676, 56215), (695, 56254), (707, 56296), (749, 56413), (759, 56440), (773, 56473),

Gene: Zepp_40 Start: 29128, Stop: 27701, Start Num: 188

Candidate Starts for Zepp_40:

(Start: 188 @29128 has 25 MA's), (199, 29098), (201, 29092), (Start: 274 @28978 has 1 MA's), (276, 28975), (357, 28774), (376, 28738), (378, 28735), (493, 28480), (512, 28429), (514, 28423), (534, 28375), (535, 28363), (545, 28342), (575, 28255), (583, 28228), (586, 28219), (600, 28174), (615, 28141), (640, 28087), (648, 28069), (675, 27997), (687, 27961), (691, 27952), (697, 27937), (698, 27931), (704, 27913), (739, 27808), (771, 27736),

Gene: Zippen_79 Start: 48905, Stop: 50164, Start Num: 159

Candidate Starts for Zippen_79:

(155, 48899), (Start: 159 @48905 has 48 MA's), (174, 48941), (Start: 180 @48950 has 9 MA's), (244, 49076), (286, 49151), (341, 49280), (342, 49283), (371, 49343), (385, 49373), (439, 49502), (452, 49535), (476, 49577), (514, 49679), (676, 49859), (707, 49940), (720, 49985), (749, 50057),

Gene: Zorro_29 Start: 22105, Stop: 23505, Start Num: 123

Candidate Starts for Zorro_29:

(Start: 123 @22105 has 76 MA's), (158, 22168), (215, 22273), (217, 22276), (268, 22360), (289, 22393), (313, 22444), (317, 22450), (375, 22531), (376, 22534), (379, 22540), (405, 22576), (414, 22594), (416, 22597), (433, 22630), (441, 22651), (464, 22702), (503, 22783), (512, 22810), (523, 22840), (526, 22849), (534, 22876), (545, 22909), (549, 22924), (576, 22978), (586, 22999), (592, 23011), (596, 23023), (690, 23245), (694, 23254), (696, 23260), (706, 23296), (723, 23356), (734, 23383), (790, 23473),

Gene: Zuko_72 Start: 51866, Stop: 53398, Start Num: 131

Candidate Starts for Zuko_72:

(87, 51788), (Start: 131 @51866 has 2 MA's), (149, 51899), (195, 51986), (210, 52028), (214, 52034), (216, 52037), (221, 52043), (236, 52070), (247, 52091), (250, 52097), (276, 52133), (292, 52175), (298, 52196), (305, 52211), (307, 52217), (308, 52220), (376, 52364), (378, 52370), (380, 52373), (403, 52424), (406, 52430), (409, 52436), (425, 52460), (431, 52481), (441, 52514), (470, 52577), (474, 52586), (499, 52649), (532, 52745), (540, 52772), (545, 52784), (548, 52796), (549, 52799), (604, 52916), (644, 53012), (652, 53030), (661, 53054), (687, 53135), (689, 53138), (690, 53141), (707, 53195), (716, 53225), (736, 53282), (749, 53306), (754, 53321),