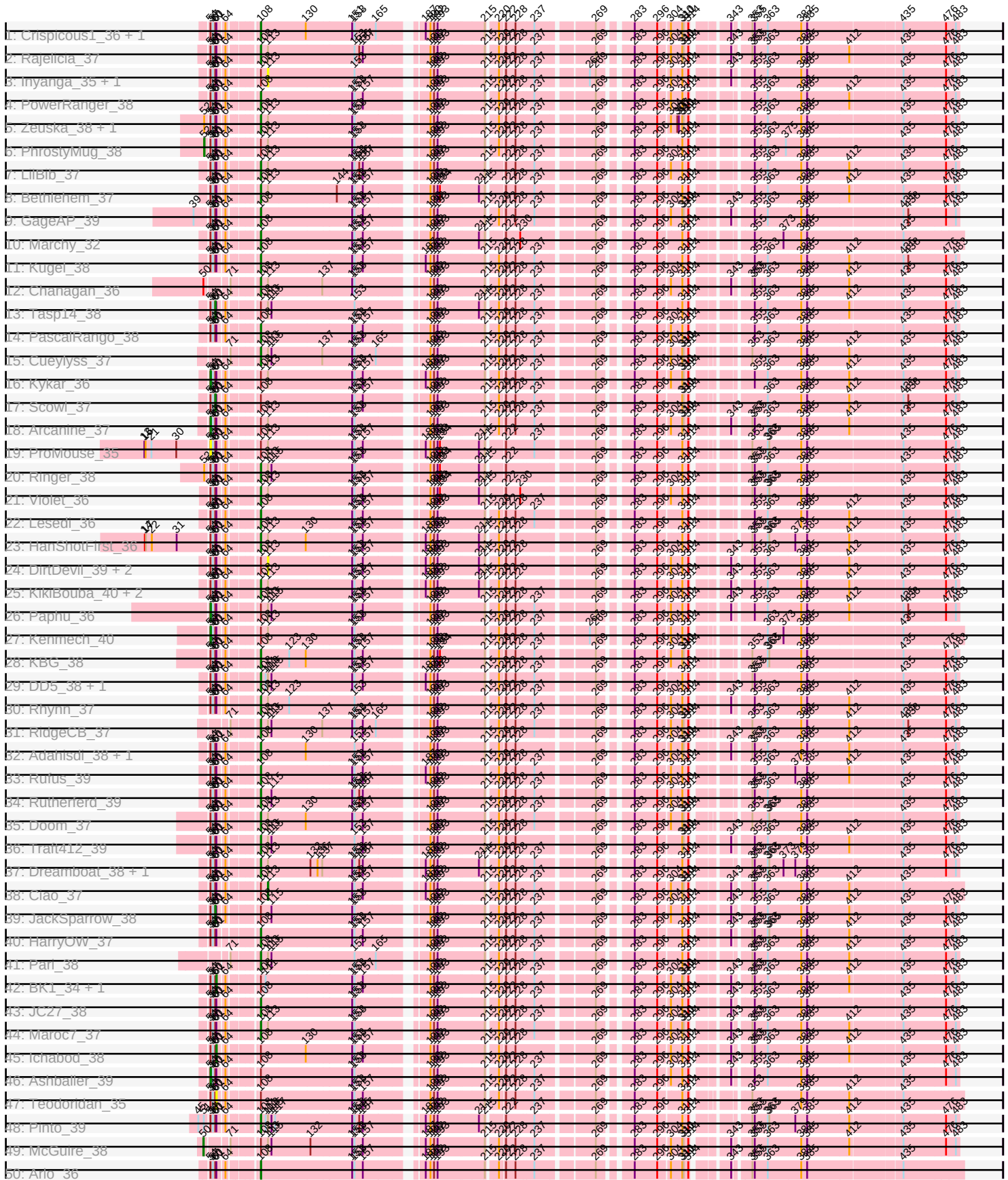
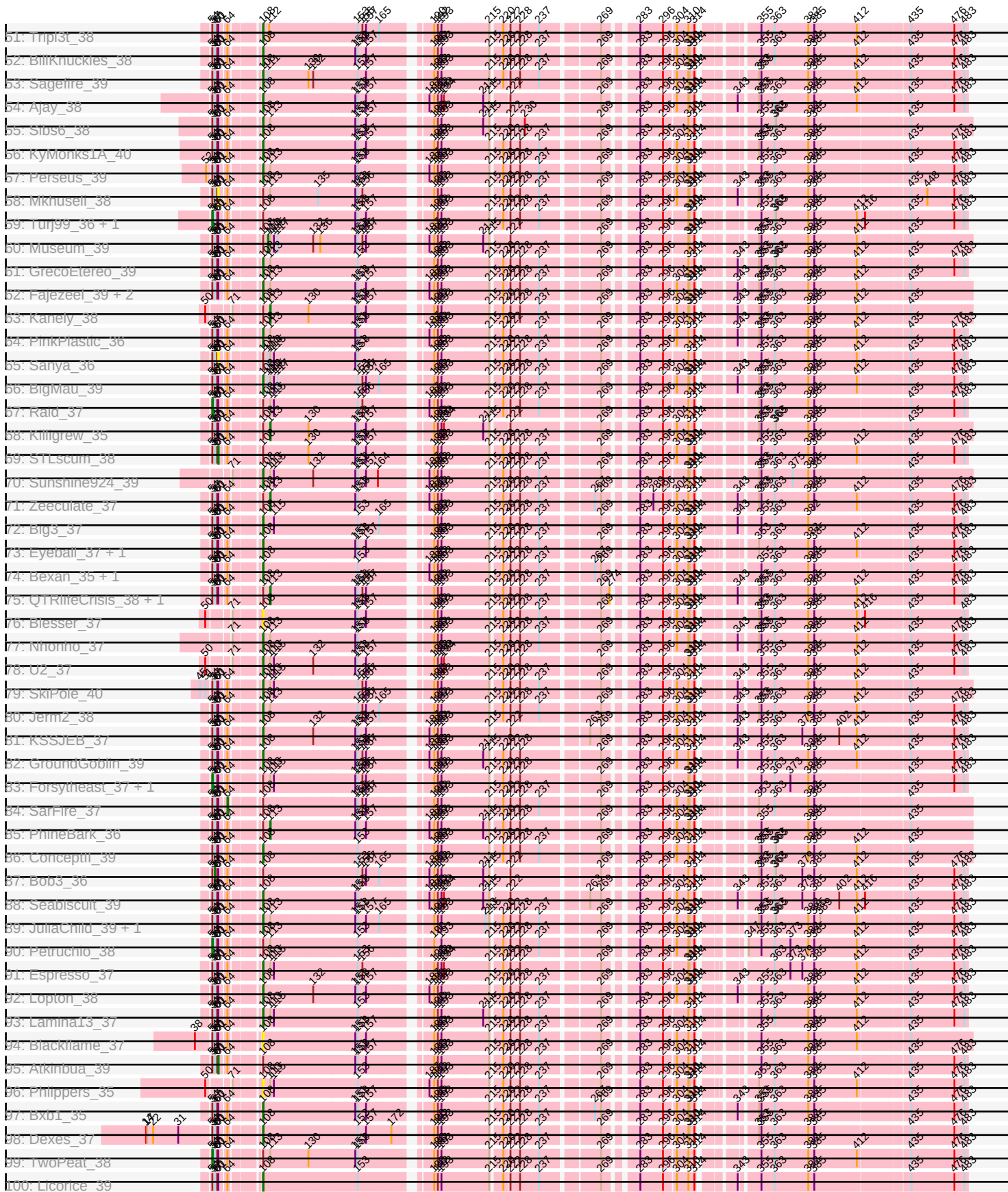






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I03: MrGordo_37	50	71	108	130	153	165	215	220	228	237	269	283	296	304	343	363	383	435
I04: Francis47_37	50	71	108	130	153	165	215	220	228	237	269	283	296	304	343	363	383	435
I05: Atman_39	50	71	108	130	153	165	215	220	228	237	269	283	296	304	343	363	383	435
I06: GMonster_36	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I07: Smart_38	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I08: Smeagol_39	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I09: AFIS_37	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I10: TheIoniousMonk_39	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I11: Petp2012_39 + 1	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I12: Fascinus_36 + 1	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I13: Jorgensen_37	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
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I15: Wheeler_38	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I16: Manatee_38	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I17: Onno789_37	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I18: Euphoria_37	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I19: BarrowTuph_36	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I20: Marcell_37	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I21: Michney_37	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
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I23: Sandaddy_37	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I24: SpikeB1_39	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I25: MetalQZJ_37 + 1	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
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I27: Brito115_39	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I28: Pita2_39 + 1	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I29: Miyolo_35	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I30: Ruotula_37	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I31: Paraseleue_36	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I32: Nerujay_38	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I33: Paritament_36	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I34: Bircsak_37	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I35: Peterson_40	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I36: Gwendoluna_40	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I37: Rohi_38	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
I38: iLeeKay_39	50	71	108	130	131	153	215	220	228	237	269	283	296	304	343	363	383	435
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t74: Froghopper_37	104	108	108	108	215	217	231	269	263	296	304	343	383	386	412	435	478	483
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t77: IgnatiusPatJac_40	104	108	108	108	215	217	231	269	263	296	304	343	383	386	412	435	478	483
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t86: Niza_40	104	108	108	108	215	217	231	269	263	296	304	343	383	386	412	435	478	483
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t88: SwissCheese_39 + 1	104	108	108	108	215	217	231	269	263	296	304	343	383	386	412	435	478	483
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t92: Magnar_37	104	108	108	108	215	217	231	269	263	296	304	343	383	386	412	435	478	483
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t95: McSinger_38	104	108	108	108	215	217	231	269	263	296	304	343	383	386	412	435	478	483
t96: Freddie_39	104	108	130	108	215	217	231	269	263	296	304	343	383	386	412	435	478	483
t97: Beatrix_37	104	108	108	108	215	217	231	269	263	296	304	343	383	386	412	435	478	483
t98: WalterMcMickey_34 + 2	104	108	108	108	215	217	231	269	263	296	304	343	383	386	412	435	478	483
t99: DontArgue_32	104	108	108	108	215	217	231	269	263	296	304	343	383	386	412	435	478	483
t200: Poompna_32	104	108	108	108	215	217	231	269	263	296	304	343	383	386	412	435	478	483

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[illegible]

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[illegible]

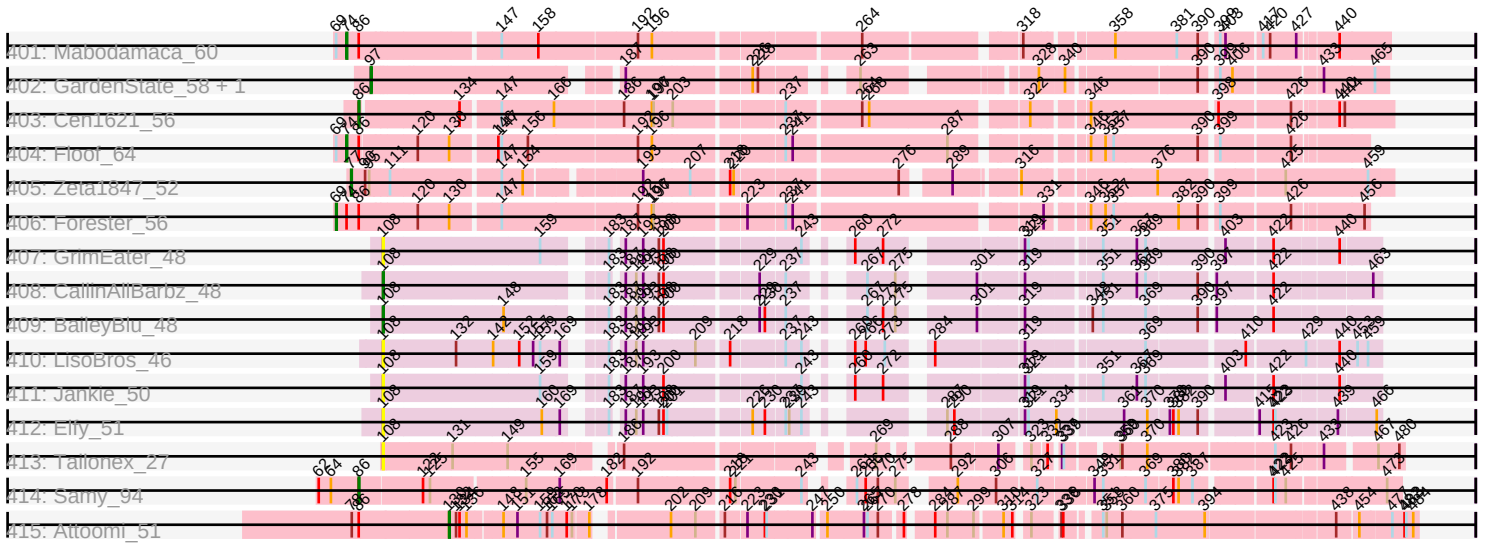
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503: Futur_49	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
504: Community_53 + 1	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
505: Mudpuppy_46	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
506: Niobe_48 + 3	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
507: Phives_54	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
508: Amyev_51 + 1	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
509: NorrRoy_50	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
510: Janeemi_52	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
511: Ascela_51	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
512: UdrToo_54 + 1	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
513: JohnDoe_50	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
514: Pixele_52	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
515: Simpson_52 + 2	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
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520: DrSierra_48	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
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523: Lego_49	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
524: IttyBittyPiggy_50	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
525: MissSwiss_52	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
526: VResidence_50	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
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528: JuneStar_51 + 1	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
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537: Adumb2043_47	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
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542: Schaffner_49	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
543: PandaPo_52	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
544: Wndwest_49	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
545: Pumpkins_48	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
546: MaGuCo_47	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
547: Liebe_51 + 2	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
548: SneK_51	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
549: Tweety19_52	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450
550: Kalimba_43 + 5	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450

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Index	Label	Value
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652:	Haisey_43 + 2	101
653:	Stuu_43	101
654:	Mysterium_42	87
655:	AmMach_48	101
656:	Euratis_57	101
657:	Vash_53	101
658:	Lilbooboo_54	101
659:	Samora_58	101
660:	Danzina_52	101
661:	Lannister_51	101
662:	Goby_50	101
663:	Hippo_50 + 5	101
664:	Snorlax_50	101
665:	Katalie_50 + 1	101
666:	RedBear_51	101
667:	Sujidade_50 + 2	101
668:	Ejemplo_49 + 1	101
669:	OzzyJ_51	101
670:	Emaahora_53 + 3	101
671:	Naot_51 + 2	101
672:	Toma_50 + 1	101
673:	Inste_51	101
674:	Zemiya_51	101
675:	Brataylor_53	101
676:	Maneekui_50	101
677:	Asten_50	101
678:	Celeste_51	101
679:	ZamZam_52	101
680:	Kaine_52	101
681:	Vanseggeien_57	101
682:	Dubu_44	101
683:	RER2_22 + 2	101
684:	Harlequin_29 + 4	101
685:	Swann_29 + 5	101
686:	Yogi_29 + 1	101
687:	Dinger_29	101
688:	Rasputin_29	101
689:	Alatin_29 + 3	101
690:	Gottum_29	101
691:	AppleCloud_27 + 1	101
692:	Hiro_29	101
693:	Takoda_29	101
694:	Enk_29	101
695:	Nancinator_29 + 1	101
696:	AngryOrchard_28	101
697:	RexFury_29 + 4	101
698:	RGL3_22	101
699:	Partridge_29	101
700:	Honk_61	101

Pham 300919



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 300919 Report

This analysis was run 06/08/26 on database version 649.

Pham number 300919 has 648 members, 58 are drafts.

Phages represented in each track:

- Track 1 : Crispious1_36, DrFeelGood_36
- Track 2 : Rajelicia_37
- Track 3 : Inyanga_35, Iqorha_35
- Track 4 : PowerRanger_38
- Track 5 : Zeuska_38, Abrogate_380
- Track 6 : PhrostyMug_38
- Track 7 : LilBib_37
- Track 8 : Bethlehem_37
- Track 9 : GageAP_39
- Track 10 : Marchy_32
- Track 11 : Kugel_38
- Track 12 : Chanagan_36
- Track 13 : Tasp14_38
- Track 14 : PascalRango_38
- Track 15 : Cueylyss_37
- Track 16 : Kykar_36
- Track 17 : Scowl_37
- Track 18 : Arcanine_37
- Track 19 : ProMouse_35
- Track 20 : Ringer_38
- Track 21 : Violet_36
- Track 22 : Lesedi_36
- Track 23 : HanShotFirst_36
- Track 24 : DirtDevil_39, Aldrich_39, CatBus_39
- Track 25 : KikiBouba_40, Noxious_40, Hermia_40
- Track 26 : Paphu_36
- Track 27 : Kenmech_40
- Track 28 : KBG_38
- Track 29 : DD5_38, Lockley_38
- Track 30 : Rhynn_37
- Track 31 : RidgeCB_37
- Track 32 : Adahisdi_38, Oogway_36
- Track 33 : Rufus_39
- Track 34 : Rutherferd_39
- Track 35 : Doom_37
- Track 36 : Traft412_39
- Track 37 : Dreamboat_38, Jasper_38

- Track 38 : Ciao_37
- Track 39 : JackSparrow_38
- Track 40 : HarryOW_37
- Track 41 : Pari_38
- Track 42 : BK1_34, A6_34
- Track 43 : JC27_38
- Track 44 : Maroc7_37
- Track 45 : Ichabod_38
- Track 46 : Ashballer_39
- Track 47 : Teodoridan_35
- Track 48 : Pinto_39
- Track 49 : McGuire_38
- Track 50 : Arlo_36
- Track 51 : Trip13t_38
- Track 52 : BillKnuckles_38
- Track 53 : Sagefire_39
- Track 54 : Ajay_38
- Track 55 : Sibs6_38
- Track 56 : KyMonks1A_40
- Track 57 : Perseus_39
- Track 58 : Mkhuse1_38
- Track 59 : Turj99_36, Magnito_36
- Track 60 : Museum_39
- Track 61 : GrecoEtereo_39
- Track 62 : Fajezeel_39, Greg_39, Pippin_39
- Track 63 : Kanely_38
- Track 64 : PinkPlastic_36
- Track 65 : Sanya_36
- Track 66 : BigMau_39
- Track 67 : Raid_37
- Track 68 : Killigrew_35
- Track 69 : STLscum_38
- Track 70 : Sunshine924_39
- Track 71 : Zeeculate_37
- Track 72 : Big3_37
- Track 73 : Eyeball_37, LunarLander_38
- Track 74 : Bexan_35, StrongArm_36
- Track 75 : QTRlifeCrisis_38, CartmannCramer_37
- Track 76 : Blessor_37
- Track 77 : Nhonho_37
- Track 78 : U2_37
- Track 79 : SkiPole_40
- Track 80 : Jerm2_38
- Track 81 : KSSJEB_37
- Track 82 : GroundGoblin_39
- Track 83 : Forsytheast_37, Corvo_38
- Track 84 : SarFire_37
- Track 85 : PhineBark_36
- Track 86 : Concept11_39
- Track 87 : Bob3_36
- Track 88 : Seabiscuit_39
- Track 89 : JuliaChild_39, Swole_39
- Track 90 : Petruchio_38

- Track 91 : Espresso_37
- Track 92 : Lopton_38
- Track 93 : Lamina13_37
- Track 94 : Blackflame_37
- Track 95 : Atkinbua_39
- Track 96 : Phlippers_35
- Track 97 : Bxb1_35
- Track 98 : Dexes_37
- Track 99 : TwoPeat_38
- Track 100 : Licorice_39
- Track 101 : Anglerfish_39
- Track 102 : Levia_34
- Track 103 : MrGordo_37
- Track 104 : Francis47_37
- Track 105 : Altman_39
- Track 106 : GMonster_36
- Track 107 : Smairt_38
- Track 108 : Smeagol_39
- Track 109 : AFIS_37
- Track 110 : TheloniousMonk_39
- Track 111 : Petp2012_39, Molly_39
- Track 112 : Fascinus_36, Bigfoot_35
- Track 113 : Jorgensen_37
- Track 114 : Papez_39
- Track 115 : Wheeler_38
- Track 116 : Manatee_38
- Track 117 : Ohno789_37
- Track 118 : Euphoria_37
- Track 119 : BarrowTuph_36
- Track 120 : Marcell_37
- Track 121 : Michley_37
- Track 122 : Sorpresa_37
- Track 123 : Sandaddy_37
- Track 124 : SpikeBT_39
- Track 125 : MetalQZJ_37, MaryBeth_37
- Track 126 : Thor_37
- Track 127 : Briton15_39
- Track 128 : Pita2_39, PSullivan_36
- Track 129 : Mryolo_35
- Track 130 : Ruotula_37
- Track 131 : Paraselene_36
- Track 132 : Nerujay_38
- Track 133 : Parliament_36
- Track 134 : Bircsak_37
- Track 135 : Peterson_40
- Track 136 : Gwendoluna_40
- Track 137 : Rohr_38
- Track 138 : ILeeKay_39
- Track 139 : Marco3_37
- Track 140 : BeesKnees_38
- Track 141 : PattyP_39
- Track 142 : Squee_38, Naira_38, Fenn_38
- Track 143 : Topgun_36

- Track 144 : Alvin_38
- Track 145 : Seanderson_38
- Track 146 : Bigchung_37
- Track 147 : Acme_40
- Track 148 : Sumter_36
- Track 149 : Payneful_37
- Track 150 : Burton_38
- Track 151 : Slagathor_38
- Track 152 : Dussy_38
- Track 153 : HermioneGrange_37, Gandalf20_38
- Track 154 : Gompeii16_37
- Track 155 : Bones_37
- Track 156 : Solon_37
- Track 157 : Blue_37
- Track 158 : Trouble_38
- Track 159 : Edtherson_38
- Track 160 : Marsha_37
- Track 161 : Snazzy_36
- Track 162 : Graduation_39
- Track 163 : Bruns_36
- Track 164 : Switzer_38
- Track 165 : PacerPaul_38
- Track 166 : MPlant7149_37
- Track 167 : Watermelon_39
- Track 168 : PherrisBueller_38
- Track 169 : Marge_38
- Track 170 : Makemake_38
- Track 171 : DreamCatcher_40
- Track 172 : BaconJack_40
- Track 173 : Monet_39
- Track 174 : Froghopper_37
- Track 175 : Wilkins_36
- Track 176 : Alsfo_41
- Track 177 : IgnatiusPatJac_36
- Track 178 : Aeneas_40
- Track 179 : Barriga_37
- Track 180 : BPBiebs31_38
- Track 181 : Zephyr_38
- Track 182 : MilleFeuille_36
- Track 183 : Puppet_37
- Track 184 : Dynamix_38
- Track 185 : Pelly_37
- Track 186 : Niza_40
- Track 187 : Hope4ever_37
- Track 188 : SwissCheese_39, Moose_37
- Track 189 : NEHalo_37
- Track 190 : Norz_39
- Track 191 : Abbyshoes_39
- Track 192 : Magnar_37
- Track 193 : Gachnar_39
- Track 194 : CactusRose_35
- Track 195 : McSinger_38
- Track 196 : Treddle_39

- Track 197 : Beatrix_37
- Track 198 : WalterMcMickey_34, Twister_34, Topanga_34
- Track 199 : DontArgue_32
- Track 200 : Poompha_32
- Track 201 : KittenMittens_32
- Track 202 : Chupacabra_33, OKCentral2016_33
- Track 203 : PeaceMeal1_32
- Track 204 : Kristoff_35
- Track 205 : RhynO_35
- Track 206 : Edison31_34
- Track 207 : Drake94_32, Severus_32
- Track 208 : Eaglepride_35
- Track 209 : Rebeuca_35
- Track 210 : Shapes_38, Rowdy_38, DustyMartin_38
- Track 211 : Trike_31
- Track 212 : DarthPhader_36
- Track 213 : SororFago_38
- Track 214 : MyraDee_30
- Track 215 : Herbertwm_31
- Track 216 : BabyBack_34
- Track 217 : FatCactus_32
- Track 218 : Anthony_33
- Track 219 : Kinmap_35
- Track 220 : Chargerpower_35
- Track 221 : Caviar_34, Margo_34, QuinnKiro_33, Noella_34, ResDef_34, Norbert_33, Popcicle_34, Panamaxus_33, Pocahontas_34
- Track 222 : Todacoro_34, EtoileNova_34, Texage_33, Veracruz_33
- Track 223 : BuzzBuzz_35, Daishi_35, Soshari_38, Phoxy_36, LarryKay_36, Rummer_36, Spike509_36, Methuselah_35, HashRod_37, Louie6_36, Bxz2_34, TinyPebbles_36, Misomonster_38, KADY_37, AgronaGT15_36
- Track 224 : Hookmount_34, Lambert1_34
- Track 225 : HamSlice_32, Maverick_33, Peaches_33, Bombshell_33, Caelakin_33, Holli_33, Pipcraft_33, Eros_33, Burger_32
- Track 226 : Morpher26_33, Katalie136_33, Wile_33, Bumblebee11_33, AbbysRanger_33, Achebe_32, PetiteSangsue_33, Badger_33, Xena_33, Cici_33
- Track 227 : Pumbaa_33
- Track 228 : Stasia_34
- Track 229 : Bartimeaus_33, Albee_33, RockieBear_32, Eris_32, Annyong_33, TiroTheta9_33, Sabertooth_33, JoongJeon_33, OKaNui_34, Millski_32, Lorenzo_33, Eapen_33, Relief_33, CentreCat_33, Nemo27_33, LappelDuVide_33, Druantia_33, Florean_33, Ruin_33, Skipitt_33, Broseidon_33, TygerBlood_33, JetBlade_33, Huxley_33, Spino_33, Roosevelt_33, Cocoaberry_33, Taquarus_33, Kyee_33, Baby16_33, Chaph_33, Phacado_33, NorthStar_33, Koan_33, Gadost_33, Deano_33, Mayonnaise_33, BubbleTrouble_33, Connomayer_33, SenorClean_33, Dhanush_33, Funston_33, Wizard007_33, NotAPhaseMom_33, Thanksgivukkah_33, MeeZee_33, Blackmoor_33, Houdini22_33, Happiness_33, Clarenza_33, YoSam321_33, Palestino_32, KekoraPapaka_32, Citius_33
- Track 230 : Wilbur_33, Romney_33
- Track 231 : Bruiser_32, PeterPeter_33, Mazhar510_33, Wander_33, Avle17_33, Lunsford_34
- Track 232 : Arturo_32
- Track 233 : Datway_33
- Track 234 : Koreni_32

- Track 235 : SteMason_32
- Track 236 : Stink_34, AvatarAhPeg_34, Miramae_33
- Track 237 : Flux_33
- Track 238 : Cintron_33
- Track 239 : Tinybot_32
- Track 240 : Alberto7_34
- Track 241 : Phighter1804_33, DirtyDunning_33
- Track 242 : Camperdownii_32
- Track 243 : Lemur_33, LittleB_33, KFPoly_33
- Track 244 : Cindaradix_32
- Track 245 : Mundrea_33
- Track 246 : Kratak_33
- Track 247 : Kingmustik0402_33, Iceman_34
- Track 248 : Nyxis_33, Phontbonne_33, LittleGuy_33
- Track 249 : Noelle_33
- Track 250 : Jaykayelowell_33
- Track 251 : Perplexer_33
- Track 252 : Scamp_33
- Track 253 : Ulysses_32
- Track 254 : Backyardigan_33
- Track 255 : Kremtemulon_33
- Track 256 : Shygu2_33
- Track 257 : Shaka_33
- Track 258 : ICleared_33
- Track 259 : Sultana_33
- Track 260 : Rosa24_32
- Track 261 : LochMonster_33
- Track 262 : Iracema64_34
- Track 263 : Micasa_30
- Track 264 : Florence4_31, Prinashel1_31, Florence1_30, HuhtaEnerson15_30
- Track 265 : AgentM_30, Lev2_30, ForGetIt_30, Phlorence_30, Jovo_30, Conspiracy_30, Aragog_30, Discoknowium_30, Tiger_30
- Track 266 : Milcery_30, Tarynearal_29, LittleCherry_30, Theia_28, Swirley_30, George_29, Bonamassa_30, Cuco_30, Twigg_30
- Track 267 : PickleBack_30
- Track 268 : ElTiger69_31, Jabiru_31
- Track 269 : Naca_31
- Track 270 : Scorpio_32
- Track 271 : Bluefalcon_29
- Track 272 : Airmid_31
- Track 273 : Ghoulboy_30
- Track 274 : Dublin_29, Midas2_30
- Track 275 : PetterN_32
- Track 276 : Chadwick_32
- Track 277 : Zolita_29, SydNat_30
- Track 278 : Archetta_30
- Track 279 : UnionJack_31
- Track 280 : MarysWell_29
- Track 281 : Coog_30
- Track 282 : Benedict_31
- Track 283 : HINdeR_33
- Track 284 : Sheen_34, Toro_35, FlyCatcher_36
- Track 285 : Timshel_34

- Track 286 : DroogsArmy_34
- Track 287 : PP_41
- Track 288 : Smeadley_30, Caitlin_29
- Track 289 : Danforth_29
- Track 290 : Expelliarmus_29
- Track 291 : Dixon_30
- Track 292 : Phillis_30
- Track 293 : Stephig9_30
- Track 294 : Groundhog_29
- Track 295 : Roary_30
- Track 296 : Astro_30
- Track 297 : NearlyHeadless_30
- Track 298 : Klodlith_34
- Track 299 : SheaKeira_35
- Track 300 : MegTheThird_33, Celestiallunch_33
- Track 301 : Charm_33
- Track 302 : DreamTeam1_33
- Track 303 : Flutur_49
- Track 304 : Community_53, Tuck_53
- Track 305 : Mudpuppy_46
- Track 306 : Niobe_48, Jstan_50, Skelbel_49, Asa16_48
- Track 307 : Phives_54
- Track 308 : Amyev_51, Tian_50
- Track 309 : TforTroy_50
- Track 310 : Janeemi_52
- Track 311 : Ascela_51
- Track 312 : ObiToo_54, Crewmate_55
- Track 313 : JohnDoe_50
- Track 314 : Pixelle_52
- Track 315 : Simpson_52, Joemato_50, Kaylissa_51
- Track 316 : Elezi_48, Eraser_48, London_48, Subaru_49
- Track 317 : Adolin_53
- Track 318 : Tbone_50
- Track 319 : Amploria_48
- Track 320 : DrSierra_48
- Track 321 : Powerpuff_52, Tutumahutu_51, YesChef_50
- Track 322 : Iter_51
- Track 323 : Lego_49
- Track 324 : IttyBittyPiggy_50
- Track 325 : MissSwiss_52
- Track 326 : VResidence_50
- Track 327 : Nitro_51
- Track 328 : JuneStar_51, Cassia_48
- Track 329 : Warda_50
- Track 330 : KeAlii_47
- Track 331 : Yang_49
- Track 332 : Turab_47
- Track 333 : AGrandiflora_52
- Track 334 : Cyan_50
- Track 335 : DrManhattan_52
- Track 336 : Lizalica_49
- Track 337 : Adumb2043_47
- Track 338 : Berrie_51

- Track 339 : AEgle_46
- Track 340 : Tallboi_49
- Track 341 : Reedo_49
- Track 342 : Schaffner_49
- Track 343 : PandaPo_52
- Track 344 : Wildwest_49
- Track 345 : Pumpkins_48
- Track 346 : MaGuCo_47
- Track 347 : Liebe_51, IUFootball_51, Maureen_51
- Track 348 : Snek_51
- Track 349 : Tweety19_52
- Track 350 : Kalimba_43, Gambol_44, Sabourin_43, Donkey_43, Cappuccino_43, Sooty_43
- Track 351 : Gumpizza_42, RockScotty_42, Giorgio_42, Ashes_43, Beaupre_42
- Track 352 : Halsey_43, Moss_43, SpecialK_43
- Track 353 : Stuu_43
- Track 354 : Mysterium_42
- Track 355 : AinMach_48
- Track 356 : Euratis_57
- Track 357 : Vash_53
- Track 358 : Lilbooboo_54
- Track 359 : Samora_58
- Track 360 : Danzina_52
- Track 361 : Lannister_51
- Track 362 : Goby_50
- Track 363 : Hippo_50, Dwayne_50, Chucky_50, BarryBee_53, Whatever_50, Werner_50
- Track 364 : Snorlax_50
- Track 365 : Katalie_50, South40_50
- Track 366 : RedBear_51
- Track 367 : Sujidade_50, Lika_49, Godpower_51
- Track 368 : Ejemplo_49, TuanPN_49
- Track 369 : OzzyJ_51
- Track 370 : Emaanora_53, SarahRose_50, Yasdnil_50, TagePhighter_52
- Track 371 : Nabi_51, Lorelei_51, Rana_51
- Track 372 : Toma_50, Dattran_52
- Track 373 : Triste_51
- Track 374 : Zemlya_51
- Track 375 : Brataylor_53
- Track 376 : Maneekul_50
- Track 377 : Asten_50
- Track 378 : Celeste_51
- Track 379 : ZamZam_52
- Track 380 : Kaine_52
- Track 381 : Vanseggelen_57
- Track 382 : Dubu_44
- Track 383 : RER2_22, PhailMary_28, Alpacados_28
- Track 384 : Harlequin_29, Yoncess_29, Bryce_29, Jester_29, BobbyDazzler_29
- Track 385 : Swann_29, Lillie_29, CosmicSans_29, Phrankensteen_29, TWAMP_29, Rhodalysa_29
- Track 386 : Yogi_29, Bonanza_29
- Track 387 : Dinger_29
- Track 388 : Rasputin_29

- Track 389 : Alatin_29, StCroix_29, Shuman_29, Naiad_29
- Track 390 : Gollum_29
- Track 391 : AppleCloud_27, Krishelle_29
- Track 392 : Hiro_29
- Track 393 : Takoda_29
- Track 394 : Erik_29
- Track 395 : Nancinator_29, Bradshaw_29
- Track 396 : AngryOrchard_28
- Track 397 : RexFury_29, Espica_29, Belenaria_29, UhSalsa_29, Natosaleda_29
- Track 398 : RGL3_22
- Track 399 : Partridge_29
- Track 400 : Honk_61
- Track 401 : Mabodamaca_60
- Track 402 : GardenState_58, IAmGroot_57
- Track 403 : Cen1621_56
- Track 404 : Floof_64
- Track 405 : Zeta1847_52
- Track 406 : Forester_56
- Track 407 : GrimEater_48
- Track 408 : CallinAllBarbz_48
- Track 409 : BaileyBlu_48
- Track 410 : LisoBros_46
- Track 411 : Jankie_50
- Track 412 : Elfy_51
- Track 413 : Tailonex_27
- Track 414 : Samy_94
- Track 415 : Attoomi_51

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

The start number called the most often in the published annotations is 108, it was called in 217 of the 590 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• Abrogate_380, Acme_40, Adahisdi_38, Aeneas_40, AgentM_30, Airmid_31, Ajay_38, Alsfro_41, Altman_39, Alvin_38, Aragog_30, Archetta_30, Arlo_36, Arturo_32, Ascela_51, BPBiebs31_38, BaileyBlu_48, Beatrix_37, BeesKnees_38, Benedict_31, Bethlehem_37, Bexan_35, Big3_37, BigMau_39, Bigfoot_35, BillKnuckles_38, Blackflame_37, Blessier_37, Bonamassa_30, Bones_37, Burton_38, Bxb1_35, CactusRose_35, CallinAllBarbz_48, Caviar_34, Chadwick_32, Chanagan_36, Chargerpower_35, Chupacabra_33, ConceptII_39, Conspiracy_30, Crispicous1_36, Cuco_30, Cueylyss_37, Cyan_50, DD5_38, DarthPhader_36, Dexes_37, Dinger_29, Discoknowium_30, DontArgue_32, Doom_37, DrFeelGood_36, Dreamboat_38, DroogsArmy_34, Dublin_29, Dussy_38, DustyMartin_38, Eaglepride_35, Edison31_34, Edtherson_38, ElTiger69_31, Elfy_51, Espresso_37, Euphoria_37, Eyeball_37, Fajezeel_39, Fascinus_36, Fenn_38, FlyCatcher_36, ForGetIt_30, GMonster_36, Gachnar_39, GageAP_39, Gandalf20_38, George_29, Gompeii16_37, GrecoEtereo_39, Greg_39, GrimEater_48, GroundGoblin_39, HINder_33, HanShotFirst_36, HarryOW_37, Hermia_40, HermioneGrange_37, Hiro_29, ICleared_33, IUFootball_51,

IgnatiusPatJac_36, Iter_51, JC27_38, Jabiru_31, Jankie_50, Jasper_38, Jerm2_38, Jorgensen_37, Jovo_30, JuliaChild_39, KBG_38, KSSJEB_37, KikiBouba_40, Kristoff_35, Kugel_38, KyMonks1A_40, Lamina13_37, Lego_49, Lesedi_36, Lev2_30, Licorice_39, Liebe_51, LilBib_37, LisoBros_46, LittleCherry_30, LittleGuy_33, Lizalica_49, LochMonster_33, Lockley_38, Lopton_38, LunarLander_38, MaGuCo_47, Magnar_37, Makemake_38, Marcell_37, Marchy_32, Margo_34, Maroc7_37, Marsha_37, MaryBeth_37, Maureen_51, MetalQZJ_37, Micasa_30, Midas2_30, Milcery_30, MilleFeuille_36, Monet_39, Moose_37, MrGordo_37, Mryolo_35, Mundrea_33, Naira_38, Nhonho_37, Nitro_51, Niza_40, Noella_34, Norbert_33, Norz_39, Noxious_40, Nyxis_33, OKCentral2016_33, Ohno789_37, Oogway_36, PSullivan_36, PacerPaul_38, Panamaxus_33, Papez_39, Paraselene_36, Pari_38, Parliament_36, PascalRango_38, PattyP_39, Pelly_37, Perseus_39, Peterson_40, PetterN_32, PherrisBueller_38, Phlippers_35, Phlorence_30, Phontbonne_33, PinkPlastic_36, Pinto_39, Pippin_39, Pita2_39, Pocahontas_34, Popcicle_34, PowerRanger_38, QuinnKiro_33, RGL3_22, Rajelicia_37, Rebeuca_35, ResDef_34, RhynO_35, Rhynn_37, RidgeCB_37, Ringer_38, Rowdy_38, Rufus_39, Rutherford_39, Sagefire_39, Scorpia_32, Seabiscuit_39, Seanderson_38, Shapes_38, SheaKeira_35, Sheen_34, Sibs6_38, SkiPole_40, Slagathor_38, Smairt_38, Smeagol_39, Snazzy_36, Solon_37, Squee_38, StrongArm_36, Sumter_36, Sunshine924_39, Swirley_30, SwissCheese_39, Switzer_38, Swole_39, SydNat_30, Tailonex_27, Takoda_29, Tarynearal_29, Theia_28, TheloniousMonk_39, Tiger_30, Timshel_34, Topgun_36, Toro_35, Traft412_39, Treddle_39, Trike_31, Tripl3t_38, Trouble_38, Twigg_30, U2_37, Ulysses_32, Violet_36, Wheeler_38, Wilkins_36, Zephyr_38, Zeuska_38, Zolita_29,

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

- A6_34, AEgle_46, AFIS_37, AGrandiflora_52, Abbyshoes_39, Adolin_53, Adumb2043_47, AinMach_48, Alatin_29, Alberto7_34, Aldrich_39, Alpacad0s_28, Amploria_48, Anglerfish_39, AngryOrchard_28, Anthony_33, AppleCloud_27, Arcanine_37, Asa16_48, Ashballer_39, Atkinbua_39, AvatarAhPeg_34, BK1_34, BaconJack_40, Barriga_37, BarrowTuph_36, Belenaria_29, Berrie_51, Bigchungu_37, Bircsak_37, Blue_37, Bluefalcon_29, Bob3_36, BobbyDazzler_29, Bonanza_29, Bradshaw_29, Briton15_39, Bruns_36, Bryce_29, Camperdownii_32, CartmannCramer_37, Cassia_48, CatBus_39, Celestiallunch_33, Ciao_37, Cindaradix_32, Coog_30, Corvo_38, CosmicSans_29, Crewmate_55, DirtDevil_39, DirtyDunning_33, DrManhattan_52, DrSierra_48, DreamCatcher_40, Dynamix_38, Elezi_48, Eraser_48, Espica_29, EtoileNova_34, Florence1_30, Florence4_31, Flutur_49, Forsytheast_37, Francis47_37, Froghopper_37, Ghouboy_30, Gollum_29, Graduation_39, Gwendoluna_40, Harlequin_29, Hookmount_34, Hope4ever_37, HuhtaEnerson15_30, ILeeKay_39, Ichabod_38, Inyanga_35, Iqorha_35, Iracema64_34, IttyBittyPiggy_50, JackSparrow_38, Janeemi_52, Jester_29, Joemato_50, JohnDoe_50, Jstan_50, JuneStar_51, Kanely_38, Kaylissa_51, Kenmech_40, Killigrew_35, Kinmap_35, Koreni_32, Kratark_33, Kremtemulon_33, Krishelle_29, Kykar_36, Lambert1_34, Levia_34, Lillie_29, London_48, MPlant7149_37, Magnito_36, Manatee_38, Marco3_37, Marge_38, MarysWell_29, McGuire_38, McSinger_38, MegTheThird_33, Michley_37, Miramae_33, MissSwiss_52, Mkhusei_38, Molly_39, Mudpuppy_46, Museum_39, NEHalo_37, Naca_31, Naiad_29, Nancinator_29, Natosaleda_29, Nerujay_38, Niobe_48, ObiToo_54, PP_41, PandaPo_52, Paphu_36, Partridge_29, Payneful_37, Petp2012_39, Petruchio_38, PhailMary_28, Phighter1804_33, PhineBark_36, PhrankenStein_29, PhrostyMug_38, PickleBack_30, Powerpuff_52, Prinashe11_31, ProMouse_35, Pumbaa_33, Pumpkins_48, Puppet_37, QTRlifeCrisis_38, RER2_22,

Raid_37, Rasputin_29, RexFury_29, Rhodalysa_29, Rohr_38, Rosa24_32, Ruotula_37, STLscum_38, Sandaddy_37, Sanya_36, SarFire_37, Schäffner_49, Scowl_37, Shuman_29, Simpson_52, Skelbel_49, Sorpresa_37, SpikeBT_39, StCroix_29, Stink_34, Subaru_49, Swann_29, TWAMP_29, Tallboi_49, Tasp14_38, Teodoridan_35, Texage_33, TforTroy_50, Thor_37, Tinybot_32, Todacoro_34, Turab_47, Turj99_36, Tutumahutu_51, TwoPeat_38, UhSalsa_29, UnionJack_31, Veracruz_33, Warda_50, Watermelon_39, Yang_49, YesChef_50, Yogi_29, Yoncess_29, Zeeculate_37,

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

- AbbysRanger_33, Achebe_32, AgronaGT15_36, Albee_33, Amyev_51, Annyong_33, Ashes_43, Asten_50, Astro_30, Attoomi_51, Avle17_33, Baby16_33, BabyBack_34, Backyardigan_33, Badger_33, BarryBee_53, Bartimeaus_33, Beaupre_42, Blackmoor_33, Bombshell_33, Brataylor_53, Broseidon_33, Bruiser_32, BubbleTrouble_33, Bumblebee11_33, Burger_32, BuzzBuzz_35, Bxz2_34, Caelakin_33, Caitlin_29, Cappuccino_43, Celeste_51, Cen1621_56, CentreCat_33, Chaph_33, Charm_33, Chucky_50, Cici_33, Cintron_33, Citius_33, Clarenza_33, CocoaBerry_33, Community_53, Connomayer_33, Daishi_35, Danforth_29, Danzina_52, Dattran_52, Datway_33, Deano_33, Dhanush_33, Dixon_30, Donkey_43, Drake94_32, DreamTeam1_33, Druantia_33, Dubu_44, Dwayne_50, Eapen_33, Ejemplo_49, Emaanora_53, Erik_29, Eris_32, Eros_33, Euratis_57, Expelliarmus_29, FatCactus_32, Floof_64, Florean_33, Flux_33, Forester_56, Funston_33, Gadost_33, Gambol_44, GardenState_58, Giorgio_42, Goby_50, Godpower_51, Groundhog_29, Gumpizza_42, Halsey_43, HamSlice_32, Happiness_33, HashRod_37, Herbertwm_31, Hippo_50, Holli_33, Honk_61, Houdini22_33, Huxley_33, IAmGroot_57, Iceman_34, Jaykayelowell_33, JetBlade_33, JoongJeon_33, KADY_37, KFPoly_33, Kaine_52, Kalimba_43, Katalie136_33, Katalie_50, KeAlii_47, KekoraPapaka_32, Kingmustik0402_33, KittenMittens_32, Klodlith_34, Koan_33, Kyee_33, Lannister_51, LappelDuVide_33, LarryKay_36, Lemur_33, Lika_49, Lilbooboo_54, LittleB_33, Lorelei_51, Lorenzo_33, Louie6_36, Lunsford_34, Mabodamaca_60, Maneekul_50, Maverick_33, Mayonnaise_33, Mazhar510_33, MeeZee_33, Methuselah_35, Millski_32, Misomonster_38, Morpher26_33, Moss_43, MyraDee_30, Mysterium_42, Nabi_51, NearlyHeadless_30, Nemo27_33, Noelle_33, NorthStar_33, NotAPhaseMom_33, OKaNui_34, OzzyJ_51, Palestino_32, PeaceMeal1_32, Peaches_33, Perplexer_33, PeterPeter_33, PetiteSangsue_33, Phacado_33, Phillis_30, Phives_54, Phoxy_36, Pipcraft_33, Pixelle_52, Poompha_32, Rana_51, RedBear_51, Reedo_49, Relief_33, Roary_30, RockScotty_42, RockieBear_32, Romney_33, Roosevelt_33, Ruin_33, Rummer_36, Sabertooth_33, Sabourin_43, Samora_58, Samy_94, SarahRose_50, Scamp_33, SeniorClean_33, Severus_32, Shaka_33, Shygu2_33, Skipitt_33, Smeadley_30, Snek_51, Snorlax_50, Sooty_43, SororFago_38, Soshari_38, South40_50, SpecialK_43, Spike509_36, Spino_33, Stasia_34, SteMason_32, Stephig9_30, Stuu_43, Sujidade_50, Sultana_33, TagePhighter_52, Taquarus_33, Tbone_50, Thanksgivukkah_33, Tian_50, TinyPebbles_36, TiroTheta9_33, Toma_50, Topanga_34, Triste_51, TuanPN_49, Tuck_53, Tweety19_52, Twister_34, TygerBlood_33, VResidence_50, Vanseggelen_57, Vash_53, WalterMcMickey_34, Wander_33, Werner_50, Whatever_50, Wilbur_33, Wildwest_49, Wile_33, Wizard007_33, Xena_33, Yasdnail_50, YoSam321_33, ZamZam_52, Zemlya_51, Zeta1847_52,

Summary by start number:

Start 34:

- Found in 34 of 648 (5.2%) of genes in pham
- Manual Annotations of this start: 7 of 590
- Called 20.6% of time when present
- Phage (with cluster) where this start called: Celeste_51 (BD1), Danzina_52 (BD1), Dattran_52 (BD1), OzzyJ_51 (BD1), Toma_50 (BD1), Triste_51 (BD1), Zemlya_51 (BD1),

Start 50:

- Found in 10 of 648 (1.5%) of genes in pham
- Manual Annotations of this start: 1 of 590
- Called 10.0% of time when present
- Phage (with cluster) where this start called: McGuire_38 (A1),

Start 52:

- Found in 5 of 648 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 590
- Called 20.0% of time when present
- Phage (with cluster) where this start called: PhrostyMug_38 (A1),

Start 53:

- Found in 19 of 648 (2.9%) of genes in pham
- Manual Annotations of this start: 5 of 590
- Called 26.3% of time when present
- Phage (with cluster) where this start called: Asten_50 (BD1), Ejemplo_49 (BD1), Maneekul_50 (BD1), RedBear_51 (BD1), TuanPN_49 (BD1),

Start 54:

- Found in 199 of 648 (30.7%) of genes in pham
- Manual Annotations of this start: 29 of 590
- Called 15.1% of time when present
- Phage (with cluster) where this start called: Anglerfish_39 (A1), Arcanine_37 (A1), Ashballer_39 (A1), BarrowTuph_36 (A1), Blue_37 (A1), Corvo_38 (A1), DreamCatcher_40 (A1), Dynamix_38 (A1), Forsytheast_37 (A1), FrogHopper_37 (A1), Kenmech_40 (A1), Kykar_36 (A1), MPlant7149_37 (A1), Magnito_36 (A1), Marco3_37 (A1), Michley_37 (A1), Molly_39 (A1), Nerujay_38 (A1), Paphu_36 (A1), Petp2012_39 (A1), Petruchio_38 (A1), ProMouse_35 (A1), Raid_37 (A1), Rohr_38 (A1), Ruotula_37 (A1), Sorpresa_37 (A1), Thor_37 (A1), Turj99_36 (A1), TwoPeat_38 (A1), Watermelon_39 (A1),

Start 55:

- Found in 37 of 648 (5.7%) of genes in pham
- Manual Annotations of this start: 24 of 590
- Called 67.6% of time when present
- Phage (with cluster) where this start called: BarryBee_53 (BD1), Brataylor_53 (BD1), Chucky_50 (BD1), Dwayne_50 (BD1), Emaanora_53 (BD1), Goby_50 (BD1), Godpower_51 (BD1), Hippo_50 (BD1), Kaine_52 (BD3), Katalie_50 (BD1), Lannister_51 (BD1), Lika_49 (BD1), Lorelei_51 (BD1), Nabi_51 (BD1), Rana_51 (BD1), SarahRose_50 (BD1), Snorlax_50 (BD1), South40_50 (BD1), Sujidade_50 (BD1), TagePhighter_52 (BD1), Vanseggelen_57 (BD3), Werner_50 (BD1), Whatever_50 (BD1), Yasdnil_50 (BD1), ZamZam_52 (BD3),

Start 57:

- Found in 201 of 648 (31.0%) of genes in pham

- Manual Annotations of this start: 3 of 590
- Called 1.5% of time when present
- Phage (with cluster) where this start called: Bob3_36 (A1), Briton15_39 (A1), McSinger_38 (A1),

Start 60:

- Found in 202 of 648 (31.2%) of genes in pham
- Manual Annotations of this start: 9 of 590
- Called 4.5% of time when present
- Phage (with cluster) where this start called: Abbyshoes_39 (A1), BaconJack_40 (A1), Bircsak_37 (A1), Hope4ever_37 (A1), JackSparrow_38 (A1), Marge_38 (A1), NEHalo_37 (A1), Scowl_37 (A1), Tasp14_38 (A1),

Start 61:

- Found in 199 of 648 (30.7%) of genes in pham
- Manual Annotations of this start: 10 of 590
- Called 7.5% of time when present
- Phage (with cluster) where this start called: A6_34 (A1), Atkinbua_39 (A1), BK1_34 (A1), Gwendoluna_40 (A1), ILeeKay_39 (A1), Ichabod_38 (A1), Levia_34 (A1), Manatee_38 (A1), Mkhuseli_38 (A1), Payneful_37 (A1), Puppet_37 (A1), STLscum_38 (A1), Sandaddy_37 (A1), Sanya_36 (A1), Teodoridan_35 (A1),

Start 62:

- Found in 2 of 648 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 590
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Dubu_44 (BJ),

Start 64:

- Found in 200 of 648 (30.9%) of genes in pham
- Manual Annotations of this start: 1 of 590
- Called 0.5% of time when present
- Phage (with cluster) where this start called: SarFire_37 (A1),

Start 65:

- Found in 24 of 648 (3.7%) of genes in pham
- Manual Annotations of this start: 10 of 590
- Called 41.7% of time when present
- Phage (with cluster) where this start called: Alberto7_34 (A4), AvatarAhPeg_34 (A4), DirtyDunning_33 (A4), Koreni_32 (A4), Kratark_33 (A4), Kremtemulon_33 (A4), Miramae_33 (A4), Phighter1804_33 (A4), Pumbaa_33 (A4), Stink_34 (A4),

Start 69:

- Found in 5 of 648 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 590
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Forester_56 (EH),

Start 71:

- Found in 21 of 648 (3.2%) of genes in pham
- Manual Annotations of this start: 3 of 590
- Called 14.3% of time when present

- Phage (with cluster) where this start called: AFIS_37 (A1), Graduation_39 (A1), SpikeBT_39 (A1),

Start 74:

- Found in 7 of 648 (1.1%) of genes in pham
- Manual Annotations of this start: 3 of 590
- Called 42.9% of time when present
- Phage (with cluster) where this start called: Euratis_57 (BB1), Floof_64 (EH), Mabodamaca_60 (EH),

Start 75:

- Found in 4 of 648 (0.6%) of genes in pham
- Manual Annotations of this start: 3 of 590
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Reedo_49 (AZ1), Snek_51 (AZ3), Tweety19_52 (AZ3),

Start 76:

- Found in 109 of 648 (16.8%) of genes in pham
- Manual Annotations of this start: 1 of 590
- Called 0.9% of time when present
- Phage (with cluster) where this start called: Flux_33 (A4),

Start 77:

- Found in 3 of 648 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 590
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Zeta1847_52 (EH),

Start 86:

- Found in 7 of 648 (1.1%) of genes in pham
- Manual Annotations of this start: 2 of 590
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Cen1621_56 (EH), Samy_94 (singleton),

Start 87:

- Found in 1 of 648 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AinMach_48 (AZ7),

Start 92:

- Found in 6 of 648 (0.9%) of genes in pham
- Manual Annotations of this start: 4 of 590
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Honk_61 (EH), KittenMittens_32 (A10), PeaceMeal1_32 (A10), Poompha_32 (A10),

Start 93:

- Found in 36 of 648 (5.6%) of genes in pham
- Manual Annotations of this start: 32 of 590
- Called 91.7% of time when present

- Phage (with cluster) where this start called: Alatin_29 (CA), Alpacados_28 (CA), AngryOrchard_28 (CA), AppleCloud_27 (CA), Belenaria_29 (CA), BobbyDazzler_29 (CA), Bonanza_29 (CA), Bradshaw_29 (CA), Bryce_29 (CA), CosmicSans_29 (CA), Espica_29 (CA), Gollum_29 (CA), Harlequin_29 (CA), Jester_29 (CA), Krishelle_29 (CA), Lillie_29 (CA), Naiad_29 (CA), Nancinator_29 (CA), Natosaleda_29 (CA), Partridge_29 (CA), PhailMary_28 (CA), Phrankenstien_29 (CA), RER2_22 (CA), Rasputin_29 (CA), RexFury_29 (CA), Rhodalysa_29 (CA), Shuman_29 (CA), StCroix_29 (CA), Swann_29 (CA), TWAMP_29 (CA), UhSalsa_29 (CA), Yogi_29 (CA), Yoncess_29 (CA),

Start 94:

- Found in 1 of 648 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 590
- Called 100.0% of time when present
- Phage (with cluster) where this start called: VResidence_50 (AZ1),

Start 96:

- Found in 106 of 648 (16.4%) of genes in pham
- Manual Annotations of this start: 15 of 590
- Called 14.2% of time when present
- Phage (with cluster) where this start called: Backyardigan_33 (A4), Bombshell_33 (A4), Burger_32 (A4), Caelakin_33 (A4), Datway_33 (A4), Eros_33 (A4), HamSlice_32 (A4), Holli_33 (A4), Maverick_33 (A4), Peaches_33 (A4), Perplexer_33 (A4), Pipcraft_33 (A4), Romney_33 (A4), Shaka_33 (A4), Wilbur_33 (A4),

Start 97:

- Found in 7 of 648 (1.1%) of genes in pham
- Manual Annotations of this start: 3 of 590
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Community_53 (AZ1), GardenState_58 (EH), IAmGroot_57 (EH), Tuck_53 (AZ1),

Start 98:

- Found in 8 of 648 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 590
- Called 12.5% of time when present
- Phage (with cluster) where this start called: PP_41 (A7),

Start 99:

- Found in 4 of 648 (0.6%) of genes in pham
- Manual Annotations of this start: 3 of 590
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Topanga_34 (A10), Twister_34 (A10), WalterMcMickey_34 (A10),

Start 100:

- Found in 23 of 648 (3.5%) of genes in pham
- Manual Annotations of this start: 2 of 590
- Called 8.7% of time when present
- Phage (with cluster) where this start called: Hookmount_34 (A3), Lambert1_34 (A3),

Start 101:

- Found in 40 of 648 (6.2%) of genes in pham

- No Manual Annotations of this start.
- Called 2.5% of time when present
- Phage (with cluster) where this start called: PandaPo_52 (AZ1),

Start 102:

- Found in 11 of 648 (1.7%) of genes in pham
- Manual Annotations of this start: 1 of 590
- Called 9.1% of time when present
- Phage (with cluster) where this start called: Cindaradix_32 (A4),

Start 103:

- Found in 9 of 648 (1.4%) of genes in pham
- Manual Annotations of this start: 3 of 590
- Called 55.6% of time when present
- Phage (with cluster) where this start called: BabyBack_34 (A2), Celestiallunch_33 (A9), Drake94_32 (A10), MegTheThird_33 (A9), Severus_32 (A10),

Start 104:

- Found in 46 of 648 (7.1%) of genes in pham
- Manual Annotations of this start: 34 of 590
- Called 93.5% of time when present
- Phage (with cluster) where this start called: AEgle_46 (AZ1), AGrandiflora_52 (AZ1), Adolin_53 (AZ1), Adumb2043_47 (AZ1), Amploria_48 (AZ1), Asa16_48 (AZ1), Berrie_51 (AZ1), Cassia_48 (AZ1), Crewmate_55 (AZ1), DrManhattan_52 (AZ1), DrSierra_48 (AZ1), Elezi_48 (AZ1), Eraser_48 (AZ1), Flutur_49 (AZ), IttyBittyPiggy_50 (AZ1), Janeemi_52 (AZ1), Joemato_50 (AZ1), JohnDoe_50 (AZ1), Jstan_50 (AZ1), JuneStar_51 (AZ1), Kaylissa_51 (AZ1), KeAlii_47 (AZ1), London_48 (AZ1), MissSwiss_52 (AZ1), Mudpuppy_46 (AZ1), Niobe_48 (AZ1), ObiToo_54 (AZ1), Phives_54 (AZ1), Powerpuff_52 (AZ1), Pumpkins_48 (AZ1), Schaffner_49 (AZ1), Simpson_52 (AZ1), Skelbel_49 (AZ1), Subaru_49 (AZ1), Tallboi_49 (AZ1), Tbone_50 (AZ1), TforTroy_50 (AZ1), Turab_47 (AZ1), Tutumahutu_51 (AZ1), Warda_50 (AZ1), Wildwest_49 (AZ1), Yang_49 (AZ1), YesChef_50 (AZ1),

Start 105:

- Found in 133 of 648 (20.5%) of genes in pham
- Manual Annotations of this start: 108 of 590
- Called 85.0% of time when present
- Phage (with cluster) where this start called: AbbysRanger_33 (A4), Achebe_32 (A4), AgronaGT15_36 (A3), Albee_33 (A4), Annyong_33 (A4), Astro_30 (A8), Avle17_33 (A4), Baby16_33 (A4), Badger_33 (A4), Bartimeaus_33 (A4), Blackmoor_33 (A4), Broseidon_33 (A4), Bruiser_32 (A4), BubbleTrouble_33 (A4), Bumblebee11_33 (A4), BuzzBuzz_35 (A3), Bxz2_34 (A3), Caitlin_29 (A8), CentreCat_33 (A4), Chap_33 (A4), Cici_33 (A4), Cintron_33 (A4), Citius_33 (A4), Clarenza_33 (A4), Cocoaberry_33 (A4), Connomayer_33 (A4), Daishi_35 (A3), Danforth_29 (A8), Deano_33 (A4), Dhanush_33 (A4), Dixon_30 (A8), Druantia_33 (A4), Eapen_33 (A4), Eris_32 (A4), Expelliarmus_29 (A8), FatCactus_32 (A20), Florean_33 (A4), Funston_33 (A4), Gadost_33 (A4), Groundhog_29 (A8), Happiness_33 (A4), HashRod_37 (A3), Herbertwm_31 (A2), Houdini22_33 (A4), Huxley_33 (A4), Iceman_34 (A4), Jaykayelowell_33 (A4), JetBlade_33 (A4), JoongJeon_33 (A4), KADY_37 (A3), KFPoly_33 (A4), Katalie136_33 (A4), KekoraPapaka_32 (A4), Kingmustik0402_33 (A4), Koan_33 (A4), Kyee_33 (A4), LappelDuVide_33 (A4), LarryKay_36 (A3), Lemur_33 (A4), LittleB_33 (A4), Lorenzo_33 (A4), Louie6_36 (A3), Lunsford_34 (A4), Mayonnaise_33 (A4), Mazhar510_33 (A4), MeeZee_33 (A4),

Methuselah_35 (A3), Millski_32 (A4), Misomonster_38 (A3), Morpher26_33 (A4), MyraDee_30 (A18), NearlyHeadless_30 (A8), Nemo27_33 (A4), Noelle_33 (A4), NorthStar_33 (A4), NotAPhaseMom_33 (A4), OKaNui_34 (A4), Palestino_32 (A4), PeterPeter_33 (A4), PetiteSangsue_33 (A4), Phacado_33 (A4), Phillis_30 (A8), Phoxy_36 (A3), Relief_33 (A4), Roary_30 (A8), RockieBear_32 (A4), Roosevelt_33 (A4), Ruin_33 (A4), Rummer_36 (A3), Sabertooth_33 (A4), Scamp_33 (A4), SenorClean_33 (A4), Shygu2_33 (A4), Skipitt_33 (A4), Smeadley_30 (A8), SororFago_38 (A14), Soshari_38 (A3), Spike509_36 (A3), Spino_33 (A4), Stasia_34 (A4), SteMason_32 (A4), Stephig9_30 (A8), Sultana_33 (A4), Taquarus_33 (A4), Thanksgivukkah_33 (A4), TinyPebbles_36 (A3), TiroTheta9_33 (A4), TygerBlood_33 (A4), Wander_33 (A4), Wile_33 (A4), Wizard007_33 (A4), Xena_33 (A4), YoSam321_33 (A4),

Start 107:

- Found in 24 of 648 (3.7%) of genes in pham
- Manual Annotations of this start: 20 of 590
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Amyev_51 (AZ1), Ashes_43 (AZ5), Beaupre_42 (AZ5), Cappuccino_43 (AZ5), Charm_33 (A9), Donkey_43 (AZ5), DreamTeam1_33 (A9), Gambol_44 (AZ5), Giorgio_42 (AZ5), Gumpizza_42 (AZ5), Halsey_43 (AZ5), Kalimba_43 (AZ5), Moss_43 (AZ5), Mysterium_42 (AZ5), Pixelle_52 (AZ1), RockScotty_42 (AZ5), Sabourin_43 (AZ5), Sooty_43 (AZ5), SpecialK_43 (AZ5), Stuu_43 (AZ5), Tian_50 (AZ1),

Start 108:

- Found in 425 of 648 (65.6%) of genes in pham
- Manual Annotations of this start: 217 of 590
- Called 55.1% of time when present
- Phage (with cluster) where this start called: Abrogate_380 (A1), Acme_40 (A1), Adahisdi_38 (A1), Aeneas_40 (A1), AgentM_30 (A5), Airmid_31 (A5), Ajay_38 (A1), Alsfro_41 (A1), Altman_39 (A1), Alvin_38 (A1), Aragog_30 (A5), Archetta_30 (A5), Arlo_36 (A1), Arturo_32 (A4), Ascela_51 (AZ1), BPBiebs31_38 (A1), BaileyBlu_48 (FP), Beatrix_37 (A1), BeesKnees_38 (A1), Benedict_31 (A5), Bethlehem_37 (A1), Bexan_35 (A1), Big3_37 (A1), BigMau_39 (A1), Bigfoot_35 (A1), BillKnuckles_38 (A1), Blackflame_37 (A1), Blessier_37 (A1), Bonamassa_30 (A5), Bones_37 (A1), Burton_38 (A1), Bxb1_35 (A1), CactusRose_35 (A1), CallinAllBarbz_48 (FP), Caviar_34 (A3), Chadwick_32 (A5), Chanagan_36 (A1), Chargerpower_35 (A22), Chupacabra_33 (A10), ConceptII_39 (A1), Conspiracy_30 (A5), Crispicous1_36 (A1), Cuco_30 (A5), Cueylyss_37 (A1), Cyan_50 (AZ1), DD5_38 (A1), DarthPhader_36 (A12), Dexes_37 (A1), Dinger_29 (CA), Discoknowium_30 (A5), DontArgue_32 (A10), Doom_37 (A1), DrFeelGood_36 (A1), Dreamboat_38 (A1), DroogsArmy_34 (A7), Dublin_29 (A5), Dussy_38 (A1), DustyMartin_38 (A10), Eaglepride_35 (A10), Edison31_34 (A10), Edtherson_38 (A1), ElTiger69_31 (A5), Elfy_51 (FP), Espresso_37 (A1), Euphoria_37 (A1), Eyeball_37 (A1), Fajezeel_39 (A1), Fascinus_36 (A1), Fenn_38 (A1), FlyCatcher_36 (A7), ForGetIt_30 (A5), GMonster_36 (A1), Gachnar_39 (A1), GageAP_39 (A1), Gandalf20_38 (A1), George_29 (A5), Gompeii16_37 (A1), GrecoEtereo_39 (A1), Greg_39 (A1), GrimEater_48 (FP), GroundGoblin_39 (A1), HINdeR_33 (A7), HanShotFirst_36 (A1), HarryOW_37 (A1), Hermia_40 (A1), HermioneGrange_37 (A1), Hiro_29 (CA), ICleared_33 (A4), IUFootball_51 (AZ2), IgnatiusPatJac_36 (A1), Iter_51 (AZ1), JC27_38 (A1), Jabiru_31 (A5), Jankie_50 (FP), Jasper_38 (A1), Jerm2_38 (A1), Jorgensen_37 (A1), Jovo_30 (A5), JuliaChild_39 (A1), KBG_38 (A1), KSSJEB_37 (A1), KikiBouba_40 (A1), Kristoff_35 (A10), Kugel_38 (A1), KyMonks1A_40 (A1),

Lamina13_37 (A1), Lego_49 (AZ1), Lesedi_36 (A1), Lev2_30 (A5), Licorice_39 (A1), Liebe_51 (AZ2), LilBib_37 (A1), LisoBros_46 (FP), LittleCherry_30 (A5), LittleGuy_33 (A4), Lizalica_49 (AZ1), LochMonster_33 (A4), Lockley_38 (A1), Lopton_38 (A1), LunarLander_38 (A1), MaGuCo_47 (AZ2), Magnar_37 (A1), Makemake_38 (A1), Marcell_37 (A1), Marchy_32 (A1), Margo_34 (A3), Maroc7_37 (A1), Marsha_37 (A1), MaryBeth_37 (A1), Maureen_51 (AZ2), MetalQZJ_37 (A1), Micasa_30 (A5), Midas2_30 (A5), Milcery_30 (A5), MilleFeuille_36 (A1), Monet_39 (A1), Moose_37 (A1), MrGordo_37 (A1), Mryolo_35 (A1), Mundrea_33 (A4), Naira_38 (A1), Nhonho_37 (A1), Nitro_51 (AZ1), Niza_40 (A1), Noella_34 (A3), Norbert_33 (A3), Norz_39 (A1), Noxious_40 (A1), Nyxis_33 (A4), OKCentral2016_33 (A10), Ohno789_37 (A1), Oogway_36 (A1), PSullivan_36 (A1), PacerPaul_38 (A1), Panamaxus_33 (A3), Papez_39 (A1), Paraselene_36 (A1), Pari_38 (A1), Parliament_36 (A1), PascalRango_38 (A1), PattyP_39 (A1), Pelly_37 (A1), Perseus_39 (A1), Peterson_40 (A1), PetterN_32 (A5), PherrisBueeller_38 (A1), Phlippers_35 (A1), Phlorence_30 (A5), Phontbonne_33 (A4), PinkPlastic_36 (A1), Pinto_39 (A1), Pippin_39 (A1), Pita2_39 (A1), PocaHontas_34 (A3), Popcicle_34 (A3), PowerRanger_38 (A1), QuinnKiro_33 (A3), RGL3_22 (CA), Rajelicia_37 (A1), Rebeuca_35 (A10), ResDef_34 (A3), RhynO_35 (A10), Rhynn_37 (A1), RidgeCB_37 (A1), Ringer_38 (A1), Rowdy_38 (A10), Rufus_39 (A1), Rutherford_39 (A1), Sagefire_39 (A1), Scorpia_32 (A5), Seabiscuit_39 (A1), Seanderson_38 (A1), Shapes_38 (A10), SheaKeira_35 (A9), Sheen_34 (A7), Sibs6_38 (A1), SkiPole_40 (A1), Slagathor_38 (A1), Smairt_38 (A1), Smeagol_39 (A1), Snazzy_36 (A1), Solon_37 (A1), Squee_38 (A1), StrongArm_36 (A1), Sumter_36 (A1), Sunshine924_39 (A1), Swirley_30 (A5), SwissCheese_39 (A1), Switzer_38 (A1), Swole_39 (A1), SydNat_30 (A5), Tailonex_27 (singleton), Takoda_29 (CA), Tarynearal_29 (A5), Theia_28 (A5), TheloniousMonk_39 (A1), Tiger_30 (A5), Timshel_34 (A7), Topgun_36 (A1), Toro_35 (A7), Traft412_39 (A1), Treddle_39 (A1), Trike_31 (A10), Tripl3t_38 (A1), Trouble_38 (A1), Twigg_30 (A5), U2_37 (A1), Ulysses_32 (A4), Violet_36 (A1), Wheeler_38 (A1), Wilkins_36 (A1), Zephyr_38 (A1), Zeuska_38 (A1), Zolita_29 (A5),

Start 110:

- Found in 58 of 648 (9.0%) of genes in pham
- Manual Annotations of this start: 3 of 590
- Called 6.9% of time when present
- Phage (with cluster) where this start called: EtoileNova_34 (A3), Texage_33 (A3), Todacoro_34 (A3), Veracruz_33 (A3),

Start 111:

- Found in 42 of 648 (6.5%) of genes in pham
- Manual Annotations of this start: 2 of 590
- Called 4.8% of time when present
- Phage (with cluster) where this start called: Anthony_33 (A20), Museum_39 (A1),

Start 112:

- Found in 11 of 648 (1.7%) of genes in pham
- No Manual Annotations of this start.
- Called 9.1% of time when present
- Phage (with cluster) where this start called: Klodlith_34 (A9),

Start 113:

- Found in 128 of 648 (19.8%) of genes in pham
- Manual Annotations of this start: 10 of 590

- Called 12.5% of time when present
- Phage (with cluster) where this start called: Aldrich_39 (A1), Barriga_37 (A1), Bigchung_37 (A1), Bruns_36 (A1), CartmannCramer_37 (A1), CatBus_39 (A1), Ciao_37 (A1), DirtDevil_39 (A1), Francis47_37 (A1), Inyanga_35 (A1), Iqorha_35 (A1), Kanely_38 (A1), Killigrew_35 (A1), PhineBark_36 (A1), QTRlifeCrisis_38 (A1), Zeeculate_37 (A1),

Start 114:

- Found in 73 of 648 (11.3%) of genes in pham
- Manual Annotations of this start: 3 of 590
- Called 5.5% of time when present
- Phage (with cluster) where this start called: Camperdownii_32 (A4), Iracema64_34 (A4), Kinmap_35 (A21), Tinybot_32 (A4),

Start 116:

- Found in 5 of 648 (0.8%) of genes in pham
- Manual Annotations of this start: 3 of 590
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Lilbooboo_54 (BB1), Samora_58 (BB1), Vash_53 (BB1),

Start 117:

- Found in 48 of 648 (7.4%) of genes in pham
- Manual Annotations of this start: 1 of 590
- Called 2.1% of time when present
- Phage (with cluster) where this start called: Bluefalcon_29 (A5),

Start 118:

- Found in 42 of 648 (6.5%) of genes in pham
- Manual Annotations of this start: 3 of 590
- Called 7.1% of time when present
- Phage (with cluster) where this start called: Coog_30 (A5), Naca_31 (A5), UnionJack_31 (A5),

Start 120:

- Found in 34 of 648 (5.2%) of genes in pham
- Manual Annotations of this start: 4 of 590
- Called 20.6% of time when present
- Phage (with cluster) where this start called: Florence1_30 (A5), Florence4_31 (A5), Ghouboy_30 (A5), HuhtaEnerson15_30 (A5), MarysWell_29 (A5), PickleBack_30 (A5), Prinashe11_31 (A5),

Start 125:

- Found in 23 of 648 (3.5%) of genes in pham
- No Manual Annotations of this start.
- Called 4.3% of time when present
- Phage (with cluster) where this start called: Rosa24_32 (A4),

Start 130:

- Found in 56 of 648 (8.6%) of genes in pham
- Manual Annotations of this start: 1 of 590
- Called 1.8% of time when present
- Phage (with cluster) where this start called: Attoomi_51 (singleton),

Start 136:

- Found in 225 of 648 (34.7%) of genes in pham
- Manual Annotations of this start: 1 of 590
- Called 0.4% of time when present
- Phage (with cluster) where this start called: Erik_29 (CA),

Summary by clusters:

There are 29 clusters represented in this pham: FP, singleton, BJ, A14, A10, A12, A18, A1, A3, A2, BD1, A4, A7, A9, A5, BB1, EH, CA, BD3, A8, AZ, A20, A21, A22, AZ1, AZ2, AZ3, AZ5, AZ7,

Info for manual annotations of cluster A1:

- Start number 50 was manually annotated 1 time for cluster A1.
- Start number 52 was manually annotated 1 time for cluster A1.
- Start number 54 was manually annotated 29 times for cluster A1.
- Start number 57 was manually annotated 3 times for cluster A1.
- Start number 60 was manually annotated 9 times for cluster A1.
- Start number 61 was manually annotated 10 times for cluster A1.
- Start number 64 was manually annotated 1 time for cluster A1.
- Start number 71 was manually annotated 3 times for cluster A1.
- Start number 108 was manually annotated 140 times for cluster A1.
- Start number 111 was manually annotated 1 time for cluster A1.
- Start number 113 was manually annotated 10 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 92 was manually annotated 3 times for cluster A10.
- Start number 99 was manually annotated 3 times for cluster A10.
- Start number 103 was manually annotated 2 times for cluster A10.
- Start number 108 was manually annotated 8 times for cluster A10.

Info for manual annotations of cluster A12:

- Start number 108 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A14:

- Start number 105 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A18:

- Start number 105 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A2:

- Start number 103 was manually annotated 1 time for cluster A2.
- Start number 105 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A20:

- Start number 111 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 108 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 100 was manually annotated 2 times for cluster A3.
- Start number 105 was manually annotated 15 times for cluster A3.
- Start number 108 was manually annotated 9 times for cluster A3.
- Start number 110 was manually annotated 3 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 65 was manually annotated 10 times for cluster A4.
- Start number 76 was manually annotated 1 time for cluster A4.
- Start number 96 was manually annotated 15 times for cluster A4.
- Start number 102 was manually annotated 1 time for cluster A4.
- Start number 105 was manually annotated 80 times for cluster A4.
- Start number 108 was manually annotated 8 times for cluster A4.
- Start number 114 was manually annotated 3 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 108 was manually annotated 31 times for cluster A5.
- Start number 117 was manually annotated 1 time for cluster A5.
- Start number 118 was manually annotated 3 times for cluster A5.
- Start number 120 was manually annotated 4 times for cluster A5.

Info for manual annotations of cluster A7:

- Start number 98 was manually annotated 1 time for cluster A7.
- Start number 108 was manually annotated 4 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 105 was manually annotated 10 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 107 was manually annotated 2 times for cluster A9.
- Start number 108 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AZ1:

- Start number 75 was manually annotated 1 time for cluster AZ1.
- Start number 94 was manually annotated 1 time for cluster AZ1.
- Start number 97 was manually annotated 1 time for cluster AZ1.
- Start number 104 was manually annotated 34 times for cluster AZ1.
- Start number 107 was manually annotated 2 times for cluster AZ1.
- Start number 108 was manually annotated 6 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 108 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 75 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ5:

- Start number 107 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster BB1:

- Start number 74 was manually annotated 1 time for cluster BB1.
- Start number 116 was manually annotated 3 times for cluster BB1.

Info for manual annotations of cluster BD1:

- Start number 34 was manually annotated 7 times for cluster BD1.
- Start number 53 was manually annotated 5 times for cluster BD1.
- Start number 55 was manually annotated 22 times for cluster BD1.

Info for manual annotations of cluster BD3:

- Start number 55 was manually annotated 2 times for cluster BD3.

Info for manual annotations of cluster BJ:

- Start number 62 was manually annotated 1 time for cluster BJ.

Info for manual annotations of cluster CA:

- Start number 93 was manually annotated 32 times for cluster CA.
- Start number 108 was manually annotated 3 times for cluster CA.
- Start number 136 was manually annotated 1 time for cluster CA.

Info for manual annotations of cluster EH:

- Start number 69 was manually annotated 1 time for cluster EH.
- Start number 74 was manually annotated 2 times for cluster EH.
- Start number 77 was manually annotated 1 time for cluster EH.
- Start number 86 was manually annotated 1 time for cluster EH.
- Start number 92 was manually annotated 1 time for cluster EH.
- Start number 97 was manually annotated 2 times for cluster EH.

Info for manual annotations of cluster FP:

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

Gene Information:

Gene: A6_34 Start: 28460, Stop: 30028, Start Num: 61

Candidate Starts for A6_34:

(Start: 54 @28445 has 29 MA's), (Start: 57 @28451 has 3 MA's), (Start: 60 @28457 has 9 MA's), (Start: 61 @28460 has 10 MA's), (Start: 64 @28475 has 1 MA's), (Start: 108 @28526 has 217 MA's), (Start: 111 @28535 has 2 MA's), (151, 28745), (153, 28751), (157, 28772), (190, 28901), (192, 28910), (193, 28919), (215, 29027), (220, 29048), (222, 29060), (228, 29084), (237, 29126), (269, 29255), (283, 29315), (296, 29372), (304, 29399), (310, 29426), (311, 29429), (314, 29441), (343, 29510), (353, 29543), (355, 29549), (363, 29582), (382, 29663), (385, 29678), (412, 29783), (435, 29897), (476, 29996), (483, 30020),

Gene: AEgle_46 Start: 34374, Stop: 35792, Start Num: 104

Candidate Starts for AEgle_46:

(91, 34356), (101, 34371), (Start: 104 @34374 has 34 MA's), (Start: 108 @34383 has 217 MA's), (131, 34497), (153, 34605), (159, 34638), (163, 34653), (183, 34716), (187, 34728), (189, 34737), (208, 34836), (228, 34929), (237, 34968), (272, 35073), (366, 35427), (367, 35430), (370, 35448), (374, 35460), (422, 35631),

Gene: AFIS_37 Start: 29661, Stop: 31205, Start Num: 71

Candidate Starts for AFIS_37:

(44, 29604), (Start: 50 @29616 has 1 MA's), (Start: 71 @29661 has 3 MA's), (Start: 108 @29706 has 217 MA's), (Start: 117 @29739 has 1 MA's), (151, 29925), (153, 29931), (157, 29952), (190, 30081),

(192, 30090), (193, 30099), (215, 30207), (220, 30228), (222, 30240), (269, 30435), (283, 30495), (296, 30552), (310, 30606), (314, 30621), (353, 30720), (363, 30759), (382, 30840), (385, 30855), (435, 31074), (476, 31173), (483, 31197),

Gene: AGrandiflora_52 Start: 35693, Stop: 37111, Start Num: 104

Candidate Starts for AGrandiflora_52:

(91, 35675), (101, 35690), (Start: 104 @35693 has 34 MA's), (Start: 108 @35702 has 217 MA's), (131, 35816), (Start: 136 @35840 has 1 MA's), (153, 35924), (183, 36035), (187, 36047), (189, 36056), (208, 36155), (228, 36248), (230, 36260), (237, 36287), (272, 36392), (284, 36446), (367, 36749), (370, 36767), (374, 36779), (382, 36812), (422, 36950),

Gene: AbbysRanger_33 Start: 26661, Stop: 25147, Start Num: 105

Candidate Starts for AbbysRanger_33:

(Start: 76 @26703 has 1 MA's), (Start: 96 @26670 has 15 MA's), (Start: 105 @26661 has 108 MA's), (137, 26499), (151, 26433), (156, 26415), (173, 26340), (184, 26277), (185, 26274), (202, 26187), (228, 26061), (273, 25878), (283, 25821), (295, 25767), (307, 25716), (351, 25587), (354, 25578), (373, 25503), (375, 25497), (404, 25383), (405, 25374), (414, 25335), (458, 25185), (465, 25170),

Gene: Abbysshoes_39 Start: 29526, Stop: 31109, Start Num: 60

Candidate Starts for Abbysshoes_39:

(Start: 54 @29514 has 29 MA's), (Start: 57 @29520 has 3 MA's), (Start: 60 @29526 has 9 MA's), (Start: 61 @29529 has 10 MA's), (Start: 64 @29544 has 1 MA's), (Start: 108 @29595 has 217 MA's), (112, 29607), (153, 29820), (156, 29832), (157, 29841), (165, 29874), (190, 29970), (192, 29979), (193, 29988), (215, 30096), (220, 30117), (222, 30129), (228, 30153), (237, 30195), (269, 30324), (283, 30384), (296, 30441), (304, 30468), (310, 30495), (311, 30498), (314, 30510), (343, 30579), (355, 30618), (363, 30651), (382, 30732), (385, 30747), (435, 30966),

Gene: Abrogate_380 Start: 30330, Stop: 31832, Start Num: 108

Candidate Starts for Abrogate_380:

(Start: 52 @30240 has 1 MA's), (Start: 54 @30249 has 29 MA's), (Start: 57 @30255 has 3 MA's), (Start: 60 @30261 has 9 MA's), (Start: 61 @30264 has 10 MA's), (Start: 64 @30279 has 1 MA's), (Start: 108 @30330 has 217 MA's), (Start: 113 @30345 has 10 MA's), (151, 30549), (153, 30555), (190, 30705), (192, 30714), (193, 30723), (215, 30831), (220, 30852), (222, 30864), (228, 30888), (237, 30930), (269, 31059), (283, 31119), (296, 31176), (304, 31203), (306, 31218), (307, 31221), (310, 31230), (311, 31233), (314, 31245), (355, 31353), (363, 31386), (382, 31467), (385, 31482), (435, 31701), (476, 31800), (483, 31824),

Gene: Achebe_32 Start: 26644, Stop: 25130, Start Num: 105

Candidate Starts for Achebe_32:

(Start: 76 @26686 has 1 MA's), (Start: 96 @26653 has 15 MA's), (Start: 105 @26644 has 108 MA's), (137, 26482), (151, 26416), (156, 26398), (173, 26323), (184, 26260), (185, 26257), (202, 26170), (228, 26044), (273, 25861), (283, 25804), (295, 25750), (307, 25699), (351, 25570), (354, 25561), (373, 25486), (375, 25480), (404, 25366), (405, 25357), (414, 25318), (458, 25168), (465, 25153),

Gene: Acme_40 Start: 29877, Stop: 31391, Start Num: 108

Candidate Starts for Acme_40:

(Start: 54 @29796 has 29 MA's), (Start: 57 @29802 has 3 MA's), (Start: 60 @29808 has 9 MA's), (Start: 61 @29811 has 10 MA's), (Start: 64 @29826 has 1 MA's), (Start: 108 @29877 has 217 MA's), (Start: 113 @29892 has 10 MA's), (132, 29994), (153, 30102), (157, 30123), (190, 30252), (192, 30261), (193, 30270), (194, 30276), (211, 30366), (215, 30378), (222, 30411), (230, 30447), (269, 30606), (283, 30666), (296, 30723), (304, 30750), (310, 30777), (311, 30780), (314, 30792), (343, 30861), (353, 30894), (355, 30900), (363, 30933), (382, 31014), (385, 31029), (412, 31134), (435, 31248),

Gene: Adahisdi_38 Start: 29753, Stop: 31255, Start Num: 108

Candidate Starts for Adahisdi_38:

(Start: 54 @29672 has 29 MA's), (Start: 57 @29678 has 3 MA's), (Start: 60 @29684 has 9 MA's),
(Start: 61 @29687 has 10 MA's), (Start: 64 @29702 has 1 MA's), (Start: 108 @29753 has 217 MA's),
(Start: 130 @29861 has 1 MA's), (153, 29978), (157, 29999), (190, 30128), (192, 30137), (193, 30146),
(215, 30254), (220, 30275), (222, 30287), (228, 30311), (269, 30482), (283, 30542), (296, 30599),
(304, 30626), (310, 30653), (311, 30656), (314, 30668), (343, 30737), (353, 30770), (355, 30776),
(363, 30809), (382, 30890), (385, 30905), (412, 31010), (435, 31124), (476, 31223), (483, 31247),

Gene: Adolin_53 Start: 34720, Stop: 36138, Start Num: 104

Candidate Starts for Adolin_53:

(91, 34702), (101, 34717), (Start: 104 @34720 has 34 MA's), (Start: 108 @34729 has 217 MA's),
(Start: 114 @34747 has 3 MA's), (Start: 136 @34867 has 1 MA's), (153, 34951), (159, 34984), (163,
34999), (183, 35062), (187, 35074), (208, 35182), (228, 35275), (237, 35314), (287, 35494), (366,
35773), (370, 35794), (422, 35977),

Gene: Adumb2043_47 Start: 34394, Stop: 35812, Start Num: 104

Candidate Starts for Adumb2043_47:

(91, 34376), (101, 34391), (Start: 104 @34394 has 34 MA's), (Start: 108 @34403 has 217 MA's), (131,
34517), (153, 34625), (159, 34658), (183, 34736), (187, 34748), (189, 34757), (208, 34856), (216,
34898), (228, 34949), (237, 34988), (272, 35093), (366, 35447), (367, 35450), (370, 35468), (374,
35480), (422, 35651),

Gene: Aeneas_40 Start: 29906, Stop: 31408, Start Num: 108

Candidate Starts for Aeneas_40:

(Start: 54 @29825 has 29 MA's), (Start: 57 @29831 has 3 MA's), (Start: 60 @29837 has 9 MA's),
(Start: 61 @29840 has 10 MA's), (Start: 64 @29855 has 1 MA's), (Start: 108 @29906 has 217 MA's),
(Start: 113 @29921 has 10 MA's), (115, 29930), (151, 30125), (153, 30131), (157, 30152), (190,
30281), (192, 30290), (193, 30299), (215, 30407), (220, 30428), (222, 30440), (228, 30464), (237,
30506), (269, 30635), (283, 30695), (296, 30752), (304, 30779), (310, 30806), (311, 30809), (314,
30821), (355, 30929), (363, 30962), (382, 31043), (385, 31058), (435, 31277), (476, 31376), (483,
31400),

Gene: AgentM_30 Start: 25856, Stop: 24363, Start Num: 108

Candidate Starts for AgentM_30:

(Start: 108 @25856 has 217 MA's), (Start: 117 @25823 has 1 MA's), (Start: 118 @25820 has 3 MA's),
(Start: 120 @25802 has 4 MA's), (Start: 136 @25721 has 1 MA's), (167, 25577), (173, 25550), (187,
25502), (220, 25337), (225, 25313), (226, 25310), (230, 25289), (279, 25100), (323, 24929), (359,
24794), (369, 24752), (373, 24740), (393, 24656), (396, 24641), (403, 24626), (442, 24449), (462,
24419), (477, 24386),

Gene: AgronaGT15_36 Start: 27130, Stop: 25562, Start Num: 105

Candidate Starts for AgronaGT15_36:

(42, 27280), (49, 27265), (82, 27166), (Start: 105 @27130 has 108 MA's), (157, 26875), (162, 26851),
(176, 26791), (184, 26743), (185, 26740), (202, 26653), (206, 26641), (208, 26620), (213, 26596),
(228, 26527), (244, 26458), (245, 26449), (273, 26344), (279, 26299), (307, 26167), (338, 26083),
(353, 26026), (405, 25819), (434, 25678),

Gene: AinMach_48 Start: 34606, Stop: 36066, Start Num: 87

Candidate Starts for AinMach_48:

(87, 34606), (Start: 108 @34645 has 217 MA's), (133, 34765), (165, 34918), (169, 34930), (183,
34975), (187, 34987), (191, 35005), (193, 35017), (225, 35176), (234, 35218), (273, 35338), (319,

35524), (335, 35578), (399, 35812), (403, 35821), (422, 35893),

Gene: Airmid_31 Start: 25414, Stop: 23933, Start Num: 108

Candidate Starts for Airmid_31:

(84, 25441), (Start: 108 @25414 has 217 MA's), (Start: 118 @25378 has 3 MA's), (Start: 136 @25279 has 1 MA's), (141, 25243), (153, 25195), (161, 25153), (169, 25129), (175, 25102), (186, 25063), (192, 25039), (194, 25024), (220, 24895), (288, 24601), (302, 24556), (307, 24526), (314, 24502), (323, 24487), (345, 24427), (358, 24376), (359, 24367), (380, 24280), (396, 24214), (442, 24022), (480, 23944),

Gene: Ajay_38 Start: 29543, Stop: 31045, Start Num: 108

Candidate Starts for Ajay_38:

(Start: 54 @29462 has 29 MA's), (Start: 57 @29468 has 3 MA's), (Start: 60 @29474 has 9 MA's), (Start: 61 @29477 has 10 MA's), (Start: 64 @29492 has 1 MA's), (Start: 108 @29543 has 217 MA's), (151, 29762), (153, 29768), (157, 29789), (187, 29906), (190, 29918), (192, 29927), (193, 29936), (194, 29942), (211, 30032), (215, 30044), (222, 30077), (269, 30272), (283, 30332), (296, 30389), (304, 30416), (310, 30443), (311, 30446), (314, 30458), (343, 30527), (353, 30560), (355, 30566), (363, 30599), (382, 30680), (385, 30695), (412, 30800), (435, 30914), (476, 31013), (483, 31037),

Gene: Alatin_29 Start: 23703, Stop: 22195, Start Num: 93

Candidate Starts for Alatin_29:

(Start: 93 @23703 has 32 MA's), (Start: 108 @23682 has 217 MA's), (Start: 110 @23676 has 3 MA's), (Start: 136 @23547 has 1 MA's), (145, 23499), (164, 23412), (192, 23307), (213, 23196), (226, 23136), (229, 23124), (243, 23061), (251, 23031), (259, 22998), (266, 22977), (272, 22947), (277, 22932), (279, 22926), (286, 22878), (294, 22845), (307, 22788), (323, 22749), (325, 22743), (370, 22593), (414, 22422), (480, 22206),

Gene: Albee_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for Albee_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Alberto7_34 Start: 26999, Stop: 25437, Start Num: 65

Candidate Starts for Alberto7_34:

(Start: 65 @26999 has 10 MA's), (Start: 108 @26933 has 217 MA's), (Start: 114 @26915 has 3 MA's), (125, 26858), (127, 26840), (134, 26810), (Start: 136 @26798 has 1 MA's), (161, 26672), (168, 26651), (175, 26621), (186, 26582), (194, 26543), (212, 26453), (225, 26393), (238, 26339), (272, 26201), (336, 25970), (358, 25880), (367, 25844), (373, 25817), (384, 25763), (386, 25754), (436, 25544), (442, 25526), (454, 25514), (457, 25505),

Gene: Aldrich_39 Start: 30730, Stop: 32217, Start Num: 113

Candidate Starts for Aldrich_39:

(Start: 54 @30634 has 29 MA's), (Start: 57 @30640 has 3 MA's), (Start: 60 @30646 has 9 MA's), (Start: 61 @30649 has 10 MA's), (Start: 64 @30664 has 1 MA's), (Start: 108 @30715 has 217 MA's), (Start: 113 @30730 has 10 MA's), (151, 30934), (153, 30940), (157, 30961), (187, 31078), (190, 31090), (192, 31099), (193, 31108), (211, 31204), (215, 31216), (220, 31237), (222, 31249), (228, 31273), (269, 31444), (283, 31504), (296, 31561), (304, 31588), (310, 31615), (314, 31630), (343, 31699), (355, 31738), (363, 31771), (382, 31852), (385, 31867), (412, 31972), (435, 32086), (476, 32185), (483, 32209),

Gene: Alpacados_28 Start: 23572, Stop: 22076, Start Num: 93

Candidate Starts for Alpacados_28:

(Start: 93 @23572 has 32 MA's), (Start: 108 @23551 has 217 MA's), (Start: 110 @23545 has 3 MA's), (Start: 136 @23416 has 1 MA's), (145, 23368), (164, 23281), (192, 23176), (213, 23065), (226, 23005), (229, 22993), (243, 22930), (251, 22900), (259, 22867), (266, 22846), (272, 22816), (279, 22795), (285, 22750), (286, 22747), (287, 22741), (307, 22657), (323, 22618), (325, 22612), (358, 22516), (366, 22483), (370, 22462), (373, 22453), (414, 22291),

Gene: Alsfro_41 Start: 29931, Stop: 31442, Start Num: 108

Candidate Starts for Alsfro_41:

(Start: 108 @29931 has 217 MA's), (112, 29943), (Start: 113 @29946 has 10 MA's), (Start: 117 @29964 has 1 MA's), (Start: 130 @30039 has 1 MA's), (131, 30042), (Start: 136 @30066 has 1 MA's), (137, 30078), (151, 30150), (153, 30156), (156, 30168), (165, 30210), (172, 30240), (173, 30243), (190, 30306), (192, 30315), (193, 30324), (194, 30330), (211, 30420), (215, 30432), (222, 30465), (269, 30660), (283, 30720), (296, 30777), (310, 30831), (314, 30846), (353, 30945), (363, 30984), (365, 30987), (382, 31065), (385, 31080), (435, 31299),

Gene: Altman_39 Start: 30360, Stop: 31874, Start Num: 108

Candidate Starts for Altman_39:

(Start: 54 @30279 has 29 MA's), (Start: 57 @30285 has 3 MA's), (Start: 60 @30291 has 9 MA's), (Start: 61 @30294 has 10 MA's), (Start: 64 @30309 has 1 MA's), (Start: 108 @30360 has 217 MA's), (Start: 130 @30468 has 1 MA's), (151, 30579), (153, 30585), (157, 30606), (190, 30735), (192, 30744), (193, 30753), (215, 30861), (220, 30882), (222, 30894), (228, 30918), (237, 30960), (269, 31089), (283, 31149), (296, 31206), (304, 31233), (310, 31260), (311, 31263), (314, 31275), (343, 31344), (353, 31377), (355, 31383), (363, 31416), (382, 31497), (385, 31512), (412, 31617), (435, 31731),

Gene: Alvin_38 Start: 30002, Stop: 31504, Start Num: 108

Candidate Starts for Alvin_38:

(Start: 54 @29921 has 29 MA's), (Start: 57 @29927 has 3 MA's), (Start: 60 @29933 has 9 MA's), (Start: 61 @29936 has 10 MA's), (Start: 64 @29951 has 1 MA's), (Start: 108 @30002 has 217 MA's), (Start: 113 @30017 has 10 MA's), (151, 30221), (153, 30227), (157, 30248), (165, 30281), (190, 30377), (192, 30386), (193, 30395), (215, 30503), (220, 30524), (222, 30536), (228, 30560), (269, 30731), (283, 30791), (296, 30848), (310, 30902), (311, 30905), (314, 30917), (343, 30986), (355, 31025), (363, 31058), (382, 31139), (385, 31154), (412, 31259), (435, 31373), (476, 31472), (483, 31496),

Gene: Amploria_48 Start: 34579, Stop: 35997, Start Num: 104

Candidate Starts for Amploria_48:

(91, 34561), (101, 34576), (Start: 104 @34579 has 34 MA's), (Start: 108 @34588 has 217 MA's), (131, 34702), (153, 34810), (159, 34843), (163, 34858), (183, 34921), (187, 34933), (189, 34942), (208, 35041), (216, 35083), (228, 35134), (237, 35173), (272, 35278), (366, 35632), (367, 35635), (370, 35653), (374, 35665), (422, 35836),

Gene: Amyev_51 Start: 37772, Stop: 39232, Start Num: 107

Candidate Starts for Amyev_51:

(Start: 98 @37763 has 1 MA's), (Start: 107 @37772 has 20 MA's), (147, 37958), (154, 37991), (186, 38129), (189, 38141), (208, 38240), (218, 38291), (241, 38384), (326, 38717), (390, 38960), (463, 39218),

Gene: Anglerfish_39 Start: 29761, Stop: 31353, Start Num: 54

Candidate Starts for Anglerfish_39:

(Start: 54 @29761 has 29 MA's), (Start: 57 @29767 has 3 MA's), (Start: 60 @29773 has 9 MA's), (Start: 61 @29776 has 10 MA's), (Start: 64 @29791 has 1 MA's), (Start: 108 @29842 has 217 MA's), (Start: 113 @29857 has 10 MA's), (Start: 130 @29950 has 1 MA's), (151, 30061), (153, 30067), (190,

30217), (192, 30226), (193, 30235), (215, 30343), (220, 30364), (222, 30376), (228, 30400), (237, 30442), (269, 30571), (283, 30631), (296, 30688), (310, 30742), (311, 30745), (314, 30757), (363, 30895), (382, 30976), (385, 30991), (389, 31006), (435, 31210),

Gene: AngryOrchard_28 Start: 23567, Stop: 22059, Start Num: 93

Candidate Starts for AngryOrchard_28:

(Start: 93 @23567 has 32 MA's), (Start: 108 @23546 has 217 MA's), (Start: 110 @23540 has 3 MA's), (Start: 136 @23411 has 1 MA's), (145, 23363), (164, 23276), (192, 23171), (213, 23060), (226, 23000), (229, 22988), (251, 22895), (259, 22862), (266, 22841), (272, 22811), (277, 22796), (279, 22790), (286, 22742), (294, 22709), (307, 22652), (323, 22613), (325, 22607), (370, 22457), (407, 22316), (414, 22286), (441, 22160), (472, 22094),

Gene: Annyong_33 Start: 26638, Stop: 25124, Start Num: 105

Candidate Starts for Annyong_33:

(Start: 76 @26680 has 1 MA's), (Start: 96 @26647 has 15 MA's), (Start: 105 @26638 has 108 MA's), (137, 26476), (151, 26410), (156, 26392), (173, 26317), (177, 26293), (184, 26254), (185, 26251), (202, 26164), (225, 26050), (228, 26038), (273, 25855), (295, 25744), (307, 25693), (351, 25564), (354, 25555), (373, 25480), (375, 25474), (405, 25351), (414, 25312), (458, 25162), (465, 25147),

Gene: Anthony_33 Start: 25025, Stop: 23601, Start Num: 111

Candidate Starts for Anthony_33:

(1, 25649), (2, 25601), (3, 25574), (4, 25571), (5, 25547), (6, 25487), (7, 25475), (10, 25409), (63, 25121), (85, 25070), (Start: 108 @25034 has 217 MA's), (Start: 111 @25025 has 2 MA's), (Start: 136 @24899 has 1 MA's), (161, 24773), (169, 24749), (185, 24692), (209, 24569), (213, 24548), (230, 24470), (234, 24452), (242, 24422), (279, 24281), (286, 24236), (311, 24140), (323, 24113), (346, 24044), (368, 23978), (384, 23906), (403, 23846), (438, 23681), (468, 23645), (478, 23621),

Gene: AppleCloud_27 Start: 23605, Stop: 22106, Start Num: 93

Candidate Starts for AppleCloud_27:

(Start: 93 @23605 has 32 MA's), (Start: 108 @23584 has 217 MA's), (Start: 110 @23578 has 3 MA's), (125, 23509), (Start: 136 @23449 has 1 MA's), (164, 23311), (165, 23308), (171, 23281), (186, 23230), (206, 23140), (224, 23044), (228, 23029), (230, 23017), (241, 22978), (260, 22897), (264, 22885), (273, 22846), (279, 22828), (292, 22759), (299, 22732), (303, 22720), (307, 22696), (310, 22687), (323, 22657), (330, 22639), (340, 22618), (344, 22597), (357, 22564), (359, 22552), (384, 22444), (413, 22339), (426, 22279), (433, 22240), (434, 22237), (440, 22213), (442, 22207),

Gene: Aragog_30 Start: 25886, Stop: 24393, Start Num: 108

Candidate Starts for Aragog_30:

(Start: 108 @25886 has 217 MA's), (Start: 117 @25853 has 1 MA's), (Start: 118 @25850 has 3 MA's), (Start: 120 @25832 has 4 MA's), (Start: 136 @25751 has 1 MA's), (167, 25607), (173, 25580), (187, 25532), (220, 25367), (225, 25343), (226, 25340), (230, 25319), (279, 25130), (323, 24959), (359, 24824), (369, 24782), (373, 24770), (393, 24686), (396, 24671), (403, 24656), (442, 24479), (462, 24449), (477, 24416),

Gene: Arcanine_37 Start: 28843, Stop: 30426, Start Num: 54

Candidate Starts for Arcanine_37:

(Start: 54 @28843 has 29 MA's), (Start: 57 @28849 has 3 MA's), (Start: 60 @28855 has 9 MA's), (Start: 61 @28858 has 10 MA's), (Start: 64 @28873 has 1 MA's), (Start: 108 @28924 has 217 MA's), (Start: 113 @28939 has 10 MA's), (151, 29143), (153, 29149), (190, 29299), (192, 29308), (193, 29317), (215, 29425), (220, 29446), (222, 29458), (228, 29482), (237, 29524), (269, 29653), (283, 29713), (296, 29770), (304, 29797), (310, 29824), (311, 29827), (314, 29839), (343, 29908), (353, 29941), (355, 29947), (363, 29980), (382, 30061), (385, 30076), (412, 30181), (435, 30295), (476, 30394), (483, 30418),

Gene: Archetta_30 Start: 25923, Stop: 24442, Start Num: 108

Candidate Starts for Archetta_30:

(84, 25950), (Start: 108 @25923 has 217 MA's), (Start: 118 @25887 has 3 MA's), (Start: 136 @25788 has 1 MA's), (153, 25704), (161, 25662), (169, 25638), (175, 25611), (186, 25572), (192, 25548), (220, 25404), (288, 25110), (302, 25065), (307, 25035), (314, 25011), (323, 24996), (345, 24936), (358, 24885), (359, 24876), (373, 24822), (380, 24789), (396, 24723), (442, 24531), (480, 24453),

Gene: Arlo_36 Start: 29428, Stop: 30942, Start Num: 108

Candidate Starts for Arlo_36:

(Start: 54 @29347 has 29 MA's), (Start: 57 @29353 has 3 MA's), (Start: 60 @29359 has 9 MA's), (Start: 61 @29362 has 10 MA's), (Start: 64 @29377 has 1 MA's), (Start: 108 @29428 has 217 MA's), (151, 29647), (153, 29653), (157, 29674), (187, 29791), (190, 29803), (192, 29812), (193, 29821), (215, 29929), (220, 29950), (222, 29962), (228, 29986), (237, 30028), (269, 30157), (283, 30217), (296, 30274), (304, 30301), (310, 30328), (311, 30331), (314, 30343), (343, 30412), (353, 30445), (355, 30451), (363, 30484), (382, 30565), (385, 30580), (435, 30799),

Gene: Arturo_32 Start: 26750, Stop: 25254, Start Num: 108

Candidate Starts for Arturo_32:

(Start: 65 @26816 has 10 MA's), (Start: 102 @26759 has 1 MA's), (Start: 108 @26750 has 217 MA's), (Start: 114 @26732 has 3 MA's), (125, 26675), (127, 26657), (134, 26627), (Start: 136 @26615 has 1 MA's), (161, 26489), (168, 26468), (175, 26438), (186, 26399), (225, 26210), (233, 26174), (238, 26156), (272, 26018), (282, 25973), (336, 25787), (367, 25661), (373, 25634), (384, 25580), (386, 25571), (436, 25361), (442, 25343), (454, 25331), (457, 25322),

Gene: Asa16_48 Start: 35961, Stop: 37382, Start Num: 104

Candidate Starts for Asa16_48:

(91, 35943), (101, 35958), (Start: 104 @35961 has 34 MA's), (Start: 108 @35970 has 217 MA's), (131, 36084), (Start: 136 @36108 has 1 MA's), (153, 36192), (159, 36225), (163, 36240), (183, 36303), (187, 36315), (189, 36324), (208, 36423), (216, 36465), (228, 36516), (237, 36555), (267, 36633), (272, 36660), (284, 36714), (367, 37020), (368, 37029), (370, 37038), (374, 37050), (422, 37221), (437, 37308),

Gene: Ascela_51 Start: 36003, Stop: 37418, Start Num: 108

Candidate Starts for Ascela_51:

(Start: 108 @36003 has 217 MA's), (Start: 114 @36021 has 3 MA's), (Start: 136 @36141 has 1 MA's), (153, 36225), (164, 36276), (183, 36336), (187, 36348), (193, 36378), (208, 36456), (228, 36549), (237, 36588), (370, 37071), (374, 37083), (422, 37254),

Gene: Ashballer_39 Start: 30219, Stop: 31802, Start Num: 54

Candidate Starts for Ashballer_39:

(Start: 54 @30219 has 29 MA's), (Start: 57 @30225 has 3 MA's), (Start: 60 @30231 has 9 MA's), (Start: 61 @30234 has 10 MA's), (Start: 64 @30249 has 1 MA's), (Start: 108 @30300 has 217 MA's), (151, 30519), (153, 30525), (190, 30675), (192, 30684), (193, 30693), (215, 30801), (220, 30822), (222, 30834), (228, 30858), (237, 30900), (269, 31029), (283, 31089), (296, 31146), (304, 31173), (310, 31200), (314, 31215), (343, 31284), (355, 31323), (363, 31356), (382, 31437), (385, 31452), (435, 31671), (476, 31770), (483, 31794),

Gene: Ashes_43 Start: 31555, Stop: 32994, Start Num: 107

Candidate Starts for Ashes_43:

(Start: 107 @31555 has 20 MA's), (Start: 130 @31666 has 1 MA's), (132, 31675), (147, 31738), (151, 31762), (154, 31771), (187, 31921), (189, 31930), (218, 32086), (220, 32092), (226, 32119), (284, 32353), (286, 32368), (322, 32476), (398, 32746), (438, 32923), (445, 32938), (446, 32941),

Gene: Asten_50 Start: 36160, Stop: 37782, Start Num: 53

Candidate Starts for Asten_50:

(Start: 34 @36103 has 7 MA's), (Start: 53 @36160 has 5 MA's), (Start: 55 @36169 has 24 MA's), (106, 36289), (Start: 114 @36316 has 3 MA's), (132, 36415), (Start: 136 @36433 has 1 MA's), (147, 36484), (163, 36565), (164, 36568), (185, 36640), (186, 36649), (187, 36652), (211, 36778), (217, 36805), (233, 36874), (236, 36886), (244, 36919), (262, 36988), (271, 37015), (284, 37063), (294, 37111), (305, 37150), (323, 37207), (363, 37330), (377, 37390), (387, 37435), (421, 37564), (429, 37615), (431, 37624), (440, 37663), (450, 37687), (455, 37702), (461, 37717), (469, 37732),

Gene: Astro_30 Start: 25018, Stop: 23516, Start Num: 105

Candidate Starts for Astro_30:

(66, 25087), (Start: 76 @25060 has 1 MA's), (82, 25054), (Start: 105 @25018 has 108 MA's), (Start: 136 @24868 has 1 MA's), (157, 24763), (173, 24697), (176, 24679), (184, 24637), (185, 24634), (202, 24547), (225, 24433), (228, 24421), (250, 24328), (263, 24280), (273, 24238), (284, 24178), (307, 24076), (369, 23869), (395, 23764), (405, 23728), (414, 23689), (432, 23605), (452, 23557),

Gene: Atkinbua_39 Start: 29777, Stop: 31345, Start Num: 61

Candidate Starts for Atkinbua_39:

(Start: 54 @29762 has 29 MA's), (Start: 57 @29768 has 3 MA's), (Start: 60 @29774 has 9 MA's), (Start: 61 @29777 has 10 MA's), (Start: 64 @29792 has 1 MA's), (Start: 108 @29843 has 217 MA's), (151, 30062), (153, 30068), (157, 30089), (190, 30218), (192, 30227), (193, 30236), (215, 30344), (220, 30365), (222, 30377), (228, 30401), (237, 30443), (269, 30572), (283, 30632), (296, 30689), (304, 30716), (310, 30743), (314, 30758), (355, 30866), (363, 30899), (382, 30980), (385, 30995), (435, 31214), (476, 31313), (483, 31337),

Gene: Attoomi_51 Start: 39130, Stop: 40542, Start Num: 130

Candidate Starts for Attoomi_51:

(78, 38968), (Start: 86 @38980 has 2 MA's), (Start: 130 @39130 has 1 MA's), (132, 39142), (134, 39148), (Start: 136 @39160 has 1 MA's), (148, 39208), (151, 39232), (159, 39271), (162, 39283), (165, 39292), (170, 39316), (173, 39325), (178, 39349), (202, 39451), (209, 39484), (216, 39523), (223, 39556), (230, 39586), (231, 39589), (247, 39661), (250, 39676), (265, 39736), (267, 39742), (270, 39760), (278, 39793), (284, 39826), (287, 39847), (299, 39889), (310, 39931), (314, 39946), (323, 39961), (336, 39997), (338, 40000), (351, 40045), (353, 40051), (360, 40078), (375, 40135), (394, 40216), (438, 40414), (454, 40447), (477, 40498), (482, 40519), (483, 40522), (484, 40534),

Gene: AvatarAhPeg_34 Start: 27306, Stop: 25744, Start Num: 65

Candidate Starts for AvatarAhPeg_34:

(Start: 65 @27306 has 10 MA's), (Start: 102 @27249 has 1 MA's), (Start: 108 @27240 has 217 MA's), (Start: 114 @27222 has 3 MA's), (125, 27165), (134, 27117), (Start: 136 @27105 has 1 MA's), (161, 26979), (168, 26958), (169, 26955), (175, 26928), (186, 26889), (212, 26760), (225, 26700), (272, 26508), (310, 26346), (367, 26151), (373, 26124), (384, 26070), (386, 26061), (436, 25851), (442, 25833), (454, 25821), (457, 25812), (466, 25794),

Gene: Avle17_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for Avle17_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: BK1_34 Start: 28460, Stop: 30028, Start Num: 61

Candidate Starts for BK1_34:

(Start: 54 @28445 has 29 MA's), (Start: 57 @28451 has 3 MA's), (Start: 60 @28457 has 9 MA's),
(Start: 61 @28460 has 10 MA's), (Start: 64 @28475 has 1 MA's), (Start: 108 @28526 has 217 MA's),
(Start: 111 @28535 has 2 MA's), (151, 28745), (153, 28751), (157, 28772), (190, 28901), (192, 28910),
(193, 28919), (215, 29027), (220, 29048), (222, 29060), (228, 29084), (237, 29126), (269, 29255),
(283, 29315), (296, 29372), (304, 29399), (310, 29426), (311, 29429), (314, 29441), (343, 29510),
(353, 29543), (355, 29549), (363, 29582), (382, 29663), (385, 29678), (412, 29783), (435, 29897),
(476, 29996), (483, 30020),

Gene: BPBiebs31_38 Start: 29878, Stop: 31392, Start Num: 108

Candidate Starts for BPBiebs31_38:

(Start: 54 @29797 has 29 MA's), (Start: 57 @29803 has 3 MA's), (Start: 60 @29809 has 9 MA's),
(Start: 61 @29812 has 10 MA's), (Start: 64 @29827 has 1 MA's), (Start: 108 @29878 has 217 MA's),
(Start: 113 @29893 has 10 MA's), (151, 30097), (153, 30103), (156, 30115), (157, 30124), (190,
30253), (192, 30262), (193, 30271), (215, 30379), (220, 30400), (222, 30412), (228, 30436), (237,
30478), (269, 30607), (283, 30667), (296, 30724), (310, 30778), (314, 30793), (355, 30901), (363,
30934), (382, 31015), (385, 31030), (412, 31135), (435, 31249),

Gene: Baby16_33 Start: 26648, Stop: 25134, Start Num: 105

Candidate Starts for Baby16_33:

(Start: 76 @26690 has 1 MA's), (Start: 96 @26657 has 15 MA's), (Start: 105 @26648 has 108 MA's),
(137, 26486), (151, 26420), (156, 26402), (173, 26327), (177, 26303), (184, 26264), (185, 26261),
(202, 26174), (225, 26060), (228, 26048), (273, 25865), (295, 25754), (307, 25703), (351, 25574),
(354, 25565), (373, 25490), (375, 25484), (405, 25361), (414, 25322), (458, 25172), (465, 25157),

Gene: BabyBack_34 Start: 26301, Stop: 27938, Start Num: 103

Candidate Starts for BabyBack_34:

(80, 26265), (Start: 103 @26301 has 3 MA's), (Start: 130 @26418 has 1 MA's), (132, 26427), (Start:
136 @26445 has 1 MA's), (151, 26529), (165, 26589), (178, 26649), (186, 26670), (192, 26694), (193,
26703), (211, 26799), (225, 26859), (230, 26883), (250, 26964), (260, 27003), (269, 27039), (306,
27204), (310, 27216), (320, 27240), (355, 27360), (363, 27393), (366, 27402), (433, 27699), (435,
27708), (478, 27810), (483, 27831), (486, 27855), (487, 27879), (489, 27906), (490, 27924),

Gene: Backyardigan_33 Start: 26665, Stop: 25142, Start Num: 96

Candidate Starts for Backyardigan_33:

(Start: 76 @26698 has 1 MA's), (Start: 96 @26665 has 15 MA's), (Start: 105 @26656 has 108 MA's),
(137, 26494), (151, 26428), (156, 26410), (173, 26335), (184, 26272), (185, 26269), (202, 26182),
(228, 26056), (273, 25873), (283, 25816), (295, 25762), (307, 25711), (351, 25582), (354, 25573),
(373, 25498), (375, 25492), (404, 25378), (405, 25369), (414, 25330), (458, 25180), (465, 25165),

Gene: BaconJack_40 Start: 29834, Stop: 31405, Start Num: 60

Candidate Starts for BaconJack_40:

(Start: 54 @29822 has 29 MA's), (Start: 57 @29828 has 3 MA's), (Start: 60 @29834 has 9 MA's),
(Start: 61 @29837 has 10 MA's), (Start: 64 @29852 has 1 MA's), (Start: 108 @29903 has 217 MA's),
(151, 30122), (153, 30128), (157, 30149), (190, 30278), (192, 30287), (193, 30296), (215, 30404),
(220, 30425), (222, 30437), (228, 30461), (237, 30503), (269, 30632), (283, 30692), (296, 30749),
(304, 30776), (310, 30803), (311, 30806), (314, 30818), (343, 30887), (355, 30926), (363, 30959),
(382, 31040), (385, 31055), (412, 31160), (435, 31274), (476, 31373), (483, 31397),

Gene: Badger_33 Start: 26645, Stop: 25131, Start Num: 105

Candidate Starts for Badger_33:

(Start: 76 @26687 has 1 MA's), (Start: 96 @26654 has 15 MA's), (Start: 105 @26645 has 108 MA's),
(137, 26483), (151, 26417), (156, 26399), (173, 26324), (184, 26261), (185, 26258), (202, 26171),
(228, 26045), (273, 25862), (283, 25805), (295, 25751), (307, 25700), (351, 25571), (354, 25562),

(373, 25487), (375, 25481), (404, 25367), (405, 25358), (414, 25319), (458, 25169), (465, 25154),

Gene: BaileyBlu_48 Start: 34192, Stop: 35604, Start Num: 108

Candidate Starts for BaileyBlu_48:

(Start: 108 @34192 has 217 MA's), (148, 34384), (183, 34522), (187, 34534), (191, 34552), (193, 34564), (198, 34591), (200, 34597), (229, 34738), (230, 34747), (237, 34774), (267, 34855), (272, 34882), (275, 34903), (301, 35002), (319, 35071), (348, 35164), (351, 35182), (369, 35254), (390, 35335), (397, 35353), (422, 35440),

Gene: Barriga_37 Start: 29037, Stop: 30524, Start Num: 113

Candidate Starts for Barriga_37:

(Start: 71 @28977 has 3 MA's), (Start: 108 @29022 has 217 MA's), (Start: 113 @29037 has 10 MA's), (151, 29241), (153, 29247), (190, 29397), (192, 29406), (193, 29415), (215, 29523), (220, 29544), (222, 29556), (228, 29580), (237, 29622), (269, 29751), (283, 29811), (296, 29868), (304, 29895), (310, 29922), (311, 29925), (314, 29937), (343, 30006), (353, 30039), (355, 30045), (363, 30078), (382, 30159), (385, 30174), (412, 30279), (435, 30393), (476, 30492), (483, 30516),

Gene: BarrowTuph_36 Start: 29337, Stop: 30932, Start Num: 54

Candidate Starts for BarrowTuph_36:

(Start: 54 @29337 has 29 MA's), (Start: 57 @29343 has 3 MA's), (Start: 60 @29349 has 9 MA's), (Start: 61 @29352 has 10 MA's), (Start: 64 @29367 has 1 MA's), (Start: 108 @29418 has 217 MA's), (Start: 113 @29433 has 10 MA's), (151, 29637), (153, 29643), (157, 29664), (187, 29781), (190, 29793), (192, 29802), (193, 29811), (211, 29907), (215, 29919), (220, 29940), (222, 29952), (228, 29976), (269, 30147), (283, 30207), (296, 30264), (304, 30291), (310, 30318), (314, 30333), (355, 30441), (382, 30555), (385, 30570), (435, 30789),

Gene: BarryBee_53 Start: 36191, Stop: 37804, Start Num: 55

Candidate Starts for BarryBee_53:

(Start: 34 @36125 has 7 MA's), (Start: 53 @36182 has 5 MA's), (Start: 55 @36191 has 24 MA's), (Start: 114 @36338 has 3 MA's), (132, 36437), (Start: 136 @36455 has 1 MA's), (147, 36506), (163, 36587), (164, 36590), (185, 36662), (186, 36671), (187, 36674), (211, 36800), (217, 36827), (233, 36896), (244, 36941), (262, 37010), (271, 37037), (284, 37085), (294, 37133), (305, 37172), (310, 37199), (323, 37229), (363, 37352), (377, 37412), (387, 37457), (421, 37586), (429, 37637), (431, 37646), (440, 37685), (450, 37709), (455, 37724), (461, 37739), (469, 37754),

Gene: Bartimeaus_33 Start: 26639, Stop: 25125, Start Num: 105

Candidate Starts for Bartimeaus_33:

(Start: 76 @26681 has 1 MA's), (Start: 96 @26648 has 15 MA's), (Start: 105 @26639 has 108 MA's), (137, 26477), (151, 26411), (156, 26393), (173, 26318), (177, 26294), (184, 26255), (185, 26252), (202, 26165), (225, 26051), (228, 26039), (273, 25856), (295, 25745), (307, 25694), (351, 25565), (354, 25556), (373, 25481), (375, 25475), (405, 25352), (414, 25313), (458, 25163), (465, 25148),

Gene: Beatrix_37 Start: 30878, Stop: 32380, Start Num: 108

Candidate Starts for Beatrix_37:

(Start: 54 @30797 has 29 MA's), (Start: 57 @30803 has 3 MA's), (Start: 60 @30809 has 9 MA's), (Start: 61 @30812 has 10 MA's), (Start: 64 @30827 has 1 MA's), (Start: 108 @30878 has 217 MA's), (Start: 113 @30893 has 10 MA's), (Start: 130 @30986 has 1 MA's), (151, 31097), (153, 31103), (165, 31157), (190, 31253), (192, 31262), (193, 31271), (215, 31379), (220, 31400), (228, 31436), (269, 31607), (283, 31667), (296, 31724), (304, 31751), (310, 31778), (311, 31781), (314, 31793), (355, 31901), (363, 31934), (382, 32015), (385, 32030), (435, 32249), (476, 32348), (483, 32372),

Gene: Beaupre_42 Start: 31365, Stop: 32804, Start Num: 107

Candidate Starts for Beaupre_42:

(Start: 107 @31365 has 20 MA's), (Start: 130 @31476 has 1 MA's), (132, 31485), (147, 31548), (151, 31572), (154, 31581), (187, 31731), (189, 31740), (218, 31896), (220, 31902), (226, 31929), (284, 32163), (286, 32178), (322, 32286), (398, 32556), (438, 32733), (445, 32748), (446, 32751),

Gene: BeesKnees_38 Start: 29463, Stop: 30965, Start Num: 108

Candidate Starts for BeesKnees_38:

(Start: 54 @29382 has 29 MA's), (Start: 57 @29388 has 3 MA's), (Start: 60 @29394 has 9 MA's), (Start: 61 @29397 has 10 MA's), (Start: 64 @29412 has 1 MA's), (Start: 108 @29463 has 217 MA's), (Start: 130 @29571 has 1 MA's), (151, 29682), (153, 29688), (157, 29709), (190, 29838), (192, 29847), (193, 29856), (215, 29964), (220, 29985), (222, 29997), (228, 30021), (237, 30063), (269, 30192), (283, 30252), (296, 30309), (304, 30336), (310, 30363), (314, 30378), (343, 30447), (355, 30486), (363, 30519), (385, 30615), (402, 30678), (412, 30720), (416, 30735), (435, 30834), (476, 30933), (483, 30957),

Gene: Belenaria_29 Start: 23636, Stop: 22140, Start Num: 93

Candidate Starts for Belenaria_29:

(Start: 93 @23636 has 32 MA's), (Start: 108 @23615 has 217 MA's), (Start: 110 @23609 has 3 MA's), (Start: 136 @23480 has 1 MA's), (145, 23432), (164, 23345), (192, 23240), (213, 23129), (219, 23099), (226, 23069), (229, 23057), (243, 22994), (251, 22964), (259, 22931), (266, 22910), (272, 22880), (277, 22865), (279, 22859), (286, 22811), (294, 22778), (307, 22721), (323, 22682), (325, 22676), (358, 22580), (366, 22547), (370, 22526), (373, 22517), (414, 22355),

Gene: Benedict_31 Start: 25417, Stop: 23936, Start Num: 108

Candidate Starts for Benedict_31:

(84, 25444), (Start: 108 @25417 has 217 MA's), (Start: 118 @25381 has 3 MA's), (Start: 136 @25282 has 1 MA's), (141, 25246), (153, 25198), (161, 25156), (169, 25132), (175, 25105), (186, 25066), (192, 25042), (194, 25027), (220, 24898), (288, 24604), (302, 24559), (307, 24529), (314, 24505), (323, 24490), (345, 24430), (358, 24379), (359, 24370), (373, 24316), (380, 24283), (396, 24217), (442, 24025), (480, 23947),

Gene: Berrie_51 Start: 36108, Stop: 37529, Start Num: 104

Candidate Starts for Berrie_51:

(91, 36090), (101, 36105), (Start: 104 @36108 has 34 MA's), (Start: 108 @36117 has 217 MA's), (131, 36231), (153, 36339), (163, 36387), (183, 36450), (187, 36462), (189, 36471), (208, 36570), (228, 36663), (237, 36702), (342, 37068), (370, 37185), (374, 37197), (400, 37290), (422, 37368), (429, 37416),

Gene: Bethlehem_37 Start: 30167, Stop: 31669, Start Num: 108

Candidate Starts for Bethlehem_37:

(Start: 54 @30086 has 29 MA's), (Start: 57 @30092 has 3 MA's), (Start: 60 @30098 has 9 MA's), (Start: 61 @30101 has 10 MA's), (Start: 64 @30116 has 1 MA's), (Start: 108 @30167 has 217 MA's), (Start: 113 @30182 has 10 MA's), (144, 30347), (151, 30386), (153, 30392), (157, 30413), (190, 30542), (192, 30551), (193, 30560), (194, 30566), (211, 30656), (215, 30668), (222, 30701), (228, 30725), (237, 30767), (269, 30896), (283, 30956), (296, 31013), (310, 31067), (314, 31082), (355, 31190), (363, 31223), (382, 31304), (385, 31319), (412, 31424), (435, 31538), (476, 31637), (483, 31661),

Gene: Bexan_35 Start: 30373, Stop: 31875, Start Num: 108

Candidate Starts for Bexan_35:

(Start: 54 @30292 has 29 MA's), (Start: 57 @30298 has 3 MA's), (Start: 60 @30304 has 9 MA's), (Start: 61 @30307 has 10 MA's), (Start: 64 @30322 has 1 MA's), (Start: 108 @30373 has 217 MA's), (153, 30598), (187, 30736), (190, 30748), (192, 30757), (193, 30766), (215, 30874), (220, 30895), (222, 30907), (228, 30931), (237, 30973), (267, 31087), (269, 31102), (283, 31162), (296, 31219),

(304, 31246), (310, 31273), (311, 31276), (314, 31288), (355, 31396), (363, 31429), (382, 31510), (385, 31525), (435, 31744), (476, 31843), (483, 31867),

Gene: Big3_37 Start: 30045, Stop: 31547, Start Num: 108

Candidate Starts for Big3_37:

(Start: 54 @29964 has 29 MA's), (Start: 57 @29970 has 3 MA's), (Start: 60 @29976 has 9 MA's), (Start: 61 @29979 has 10 MA's), (Start: 64 @29994 has 1 MA's), (Start: 108 @30045 has 217 MA's), (115, 30069), (153, 30270), (165, 30324), (190, 30420), (192, 30429), (193, 30438), (215, 30546), (220, 30567), (222, 30579), (228, 30603), (237, 30645), (269, 30774), (283, 30834), (296, 30891), (304, 30918), (310, 30945), (311, 30948), (314, 30960), (343, 31029), (355, 31068), (363, 31101), (382, 31182), (435, 31416), (476, 31515), (483, 31539),

Gene: BigMau_39 Start: 29582, Stop: 31084, Start Num: 108

Candidate Starts for BigMau_39:

(Start: 54 @29501 has 29 MA's), (Start: 57 @29507 has 3 MA's), (Start: 60 @29513 has 9 MA's), (Start: 61 @29516 has 10 MA's), (Start: 64 @29531 has 1 MA's), (Start: 108 @29582 has 217 MA's), (Start: 111 @29591 has 2 MA's), (Start: 113 @29597 has 10 MA's), (115, 29606), (Start: 117 @29615 has 1 MA's), (153, 29807), (156, 29819), (157, 29828), (165, 29861), (190, 29957), (192, 29966), (193, 29975), (215, 30083), (220, 30104), (222, 30116), (228, 30140), (237, 30182), (269, 30311), (283, 30371), (296, 30428), (304, 30455), (310, 30482), (311, 30485), (314, 30497), (343, 30566), (353, 30599), (355, 30605), (363, 30638), (382, 30719), (385, 30734), (412, 30839), (435, 30953), (476, 31052), (483, 31076),

Gene: Bigchungi_37 Start: 29171, Stop: 30658, Start Num: 113

Candidate Starts for Bigchungi_37:

(Start: 71 @29111 has 3 MA's), (Start: 108 @29156 has 217 MA's), (Start: 113 @29171 has 10 MA's), (137, 29303), (151, 29375), (153, 29381), (190, 29531), (192, 29540), (193, 29549), (215, 29657), (220, 29678), (222, 29690), (228, 29714), (237, 29756), (269, 29885), (283, 29945), (296, 30002), (304, 30029), (306, 30044), (307, 30047), (310, 30056), (311, 30059), (314, 30071), (355, 30179), (363, 30212), (373, 30251), (382, 30293), (385, 30308), (435, 30527), (476, 30626), (483, 30650),

Gene: Bigfoot_35 Start: 28813, Stop: 30315, Start Num: 108

Candidate Starts for Bigfoot_35:

(44, 28708), (Start: 50 @28720 has 1 MA's), (Start: 54 @28732 has 29 MA's), (Start: 57 @28738 has 3 MA's), (Start: 60 @28744 has 9 MA's), (Start: 61 @28747 has 10 MA's), (Start: 64 @28762 has 1 MA's), (Start: 108 @28813 has 217 MA's), (151, 29032), (153, 29038), (157, 29059), (190, 29188), (192, 29197), (193, 29206), (215, 29314), (220, 29335), (222, 29347), (228, 29371), (237, 29413), (269, 29542), (283, 29602), (296, 29659), (304, 29686), (310, 29713), (311, 29716), (314, 29728), (343, 29797), (355, 29836), (363, 29869), (382, 29950), (385, 29965), (412, 30070), (435, 30184), (476, 30283), (483, 30307),

Gene: BillKnuckles_38 Start: 30267, Stop: 31769, Start Num: 108

Candidate Starts for BillKnuckles_38:

(Start: 54 @30186 has 29 MA's), (Start: 57 @30192 has 3 MA's), (Start: 60 @30198 has 9 MA's), (Start: 61 @30201 has 10 MA's), (Start: 64 @30216 has 1 MA's), (Start: 108 @30267 has 217 MA's), (151, 30486), (153, 30492), (157, 30513), (190, 30642), (192, 30651), (193, 30660), (215, 30768), (220, 30789), (222, 30801), (228, 30825), (237, 30867), (269, 30996), (283, 31056), (296, 31113), (304, 31140), (310, 31167), (311, 31170), (314, 31182), (355, 31290), (363, 31323), (382, 31404), (385, 31419), (412, 31524), (435, 31638), (476, 31737), (483, 31761),

Gene: Bircsak_37 Start: 29814, Stop: 31382, Start Num: 60

Candidate Starts for Bircsak_37:

(Start: 54 @29802 has 29 MA's), (Start: 57 @29808 has 3 MA's), (Start: 60 @29814 has 9 MA's), (Start: 61 @29817 has 10 MA's), (Start: 64 @29832 has 1 MA's), (Start: 108 @29883 has 217 MA's), (Start: 113 @29898 has 10 MA's), (115, 29907), (151, 30102), (153, 30108), (157, 30129), (190, 30258), (192, 30267), (193, 30276), (215, 30384), (220, 30405), (222, 30417), (228, 30441), (269, 30612), (283, 30672), (296, 30729), (304, 30756), (310, 30783), (311, 30786), (314, 30798), (353, 30897), (363, 30936), (365, 30939), (382, 31017), (385, 31032), (435, 31251), (476, 31350), (483, 31374),

Gene: Blackflame_37 Start: 29053, Stop: 30567, Start Num: 108

Candidate Starts for Blackflame_37:

(38, 28939), (Start: 54 @28972 has 29 MA's), (Start: 57 @28978 has 3 MA's), (Start: 60 @28984 has 9 MA's), (Start: 61 @28987 has 10 MA's), (Start: 64 @29002 has 1 MA's), (Start: 108 @29053 has 217 MA's), (151, 29272), (153, 29278), (157, 29299), (190, 29428), (192, 29437), (193, 29446), (215, 29554), (220, 29575), (222, 29587), (228, 29611), (237, 29653), (269, 29782), (283, 29842), (296, 29899), (304, 29926), (310, 29953), (314, 29968), (355, 30076), (382, 30190), (385, 30205), (412, 30310), (435, 30424),

Gene: Blackmoor_33 Start: 26639, Stop: 25125, Start Num: 105

Candidate Starts for Blackmoor_33:

(Start: 76 @26681 has 1 MA's), (Start: 96 @26648 has 15 MA's), (Start: 105 @26639 has 108 MA's), (137, 26477), (151, 26411), (156, 26393), (173, 26318), (177, 26294), (184, 26255), (185, 26252), (202, 26165), (225, 26051), (228, 26039), (273, 25856), (295, 25745), (307, 25694), (351, 25565), (354, 25556), (373, 25481), (375, 25475), (405, 25352), (414, 25313), (458, 25163), (465, 25148),

Gene: Blessor_37 Start: 29938, Stop: 31440, Start Num: 108

Candidate Starts for Blessor_37:

(Start: 50 @29848 has 1 MA's), (Start: 71 @29893 has 3 MA's), (Start: 108 @29938 has 217 MA's), (151, 30157), (153, 30163), (157, 30184), (190, 30313), (192, 30322), (193, 30331), (215, 30439), (220, 30460), (222, 30472), (228, 30496), (237, 30538), (269, 30667), (283, 30727), (296, 30784), (304, 30811), (310, 30838), (311, 30841), (314, 30853), (353, 30955), (355, 30961), (363, 30994), (382, 31075), (385, 31090), (412, 31195), (416, 31210), (435, 31309), (483, 31432),

Gene: Blue_37 Start: 29798, Stop: 31393, Start Num: 54

Candidate Starts for Blue_37:

(Start: 54 @29798 has 29 MA's), (Start: 57 @29804 has 3 MA's), (Start: 60 @29810 has 9 MA's), (Start: 61 @29813 has 10 MA's), (Start: 64 @29828 has 1 MA's), (Start: 108 @29879 has 217 MA's), (Start: 113 @29894 has 10 MA's), (115, 29903), (151, 30098), (153, 30104), (190, 30254), (192, 30263), (193, 30272), (215, 30380), (220, 30401), (222, 30413), (228, 30437), (237, 30479), (269, 30608), (283, 30668), (296, 30725), (304, 30752), (310, 30779), (311, 30782), (314, 30794), (355, 30902), (363, 30935), (382, 31016), (385, 31031), (435, 31250),

Gene: Bluefalcon_29 Start: 25903, Stop: 24443, Start Num: 117

Candidate Starts for Bluefalcon_29:

(Start: 108 @25936 has 217 MA's), (Start: 117 @25903 has 1 MA's), (Start: 118 @25900 has 3 MA's), (Start: 120 @25882 has 4 MA's), (Start: 136 @25801 has 1 MA's), (167, 25657), (173, 25630), (187, 25582), (220, 25417), (225, 25393), (226, 25390), (230, 25369), (279, 25180), (310, 25039), (323, 25009), (369, 24832), (373, 24820), (393, 24736), (396, 24721), (403, 24706), (442, 24529), (462, 24499), (477, 24466),

Gene: Bob3_36 Start: 28857, Stop: 30434, Start Num: 57

Candidate Starts for Bob3_36:

(Start: 54 @28851 has 29 MA's), (Start: 57 @28857 has 3 MA's), (Start: 60 @28863 has 9 MA's), (Start: 61 @28866 has 10 MA's), (Start: 64 @28881 has 1 MA's), (Start: 108 @28932 has 217 MA's),

(153, 29157), (156, 29169), (157, 29178), (165, 29211), (187, 29295), (190, 29307), (192, 29316), (193, 29325), (211, 29421), (215, 29433), (222, 29466), (269, 29661), (283, 29721), (296, 29778), (310, 29832), (314, 29847), (353, 29949), (355, 29955), (363, 29988), (365, 29991), (379, 30054), (385, 30084), (412, 30189), (435, 30303), (476, 30402), (483, 30426),

Gene: BobbyDazzler_29 Start: 23682, Stop: 22186, Start Num: 93

Candidate Starts for BobbyDazzler_29:

(Start: 93 @23682 has 32 MA's), (Start: 108 @23661 has 217 MA's), (Start: 110 @23655 has 3 MA's), (Start: 136 @23526 has 1 MA's), (145, 23478), (164, 23391), (192, 23286), (213, 23175), (226, 23115), (229, 23103), (243, 23040), (251, 23010), (259, 22977), (266, 22956), (272, 22926), (279, 22905), (285, 22860), (286, 22857), (287, 22851), (307, 22767), (323, 22728), (325, 22722), (366, 22593), (370, 22572), (373, 22563), (414, 22401),

Gene: Bombshell_33 Start: 26646, Stop: 25123, Start Num: 96

Candidate Starts for Bombshell_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Bonamassa_30 Start: 25777, Stop: 24284, Start Num: 108

Candidate Starts for Bonamassa_30:

(Start: 108 @25777 has 217 MA's), (Start: 117 @25744 has 1 MA's), (Start: 118 @25741 has 3 MA's), (Start: 120 @25723 has 4 MA's), (Start: 136 @25642 has 1 MA's), (167, 25498), (173, 25471), (187, 25423), (220, 25258), (225, 25234), (226, 25231), (230, 25210), (279, 25021), (310, 24880), (323, 24850), (369, 24673), (373, 24661), (393, 24577), (396, 24562), (403, 24547), (442, 24370), (462, 24340), (477, 24307),

Gene: Bonanza_29 Start: 23610, Stop: 22114, Start Num: 93

Candidate Starts for Bonanza_29:

(Start: 93 @23610 has 32 MA's), (Start: 108 @23589 has 217 MA's), (Start: 110 @23583 has 3 MA's), (Start: 136 @23454 has 1 MA's), (145, 23406), (164, 23319), (192, 23214), (213, 23103), (226, 23043), (229, 23031), (251, 22938), (259, 22905), (266, 22884), (272, 22854), (277, 22839), (279, 22833), (286, 22785), (307, 22695), (323, 22656), (325, 22650), (358, 22554), (366, 22521), (370, 22500), (373, 22491), (414, 22329),

Gene: Bones_37 Start: 29287, Stop: 30786, Start Num: 108

Candidate Starts for Bones_37:

(Start: 71 @29242 has 3 MA's), (Start: 108 @29287 has 217 MA's), (Start: 113 @29302 has 10 MA's), (115, 29311), (137, 29434), (151, 29506), (153, 29512), (165, 29566), (190, 29662), (192, 29671), (193, 29680), (215, 29788), (220, 29809), (222, 29821), (228, 29845), (237, 29887), (269, 30016), (283, 30076), (296, 30133), (304, 30160), (310, 30187), (311, 30190), (314, 30202), (353, 30301), (363, 30340), (382, 30421), (385, 30436), (412, 30541), (435, 30655), (438, 30667), (476, 30754), (483, 30778),

Gene: Bradshaw_29 Start: 23636, Stop: 22140, Start Num: 93

Candidate Starts for Bradshaw_29:

(Start: 93 @23636 has 32 MA's), (Start: 108 @23615 has 217 MA's), (Start: 110 @23609 has 3 MA's), (Start: 136 @23480 has 1 MA's), (145, 23432), (164, 23345), (192, 23240), (213, 23129), (226, 23069), (229, 23057), (243, 22994), (251, 22964), (259, 22931), (266, 22910), (272, 22880), (277, 22865), (279, 22859), (286, 22811), (294, 22778), (307, 22721), (323, 22682), (325, 22676), (358, 22580), (366, 22547), (370, 22526), (373, 22517), (414, 22355),

Gene: Brataylor_53 Start: 35602, Stop: 37179, Start Num: 55

Candidate Starts for Brataylor_53:

(Start: 34 @35536 has 7 MA's), (Start: 55 @35602 has 24 MA's), (Start: 114 @35722 has 3 MA's), (Start: 130 @35812 has 1 MA's), (Start: 136 @35839 has 1 MA's), (147, 35890), (163, 35971), (164, 35974), (185, 36046), (186, 36055), (187, 36058), (217, 36211), (230, 36268), (231, 36271), (233, 36280), (240, 36304), (294, 36508), (310, 36574), (314, 36589), (323, 36604), (358, 36703), (363, 36727), (366, 36736), (371, 36760), (387, 36832), (431, 37021), (440, 37060), (450, 37084), (455, 37099), (461, 37114),

Gene: Briton15_39 Start: 29603, Stop: 31180, Start Num: 57

Candidate Starts for Briton15_39:

(Start: 54 @29597 has 29 MA's), (Start: 57 @29603 has 3 MA's), (Start: 60 @29609 has 9 MA's), (Start: 61 @29612 has 10 MA's), (Start: 64 @29627 has 1 MA's), (Start: 108 @29678 has 217 MA's), (132, 29795), (151, 29897), (153, 29903), (190, 30053), (192, 30062), (193, 30071), (215, 30179), (220, 30200), (222, 30212), (228, 30236), (237, 30278), (269, 30407), (283, 30467), (296, 30524), (304, 30551), (310, 30578), (311, 30581), (314, 30593), (355, 30701), (363, 30734), (382, 30815), (385, 30830), (435, 31049), (476, 31148), (483, 31172),

Gene: Broseidon_33 Start: 26639, Stop: 25125, Start Num: 105

Candidate Starts for Broseidon_33:

(Start: 76 @26681 has 1 MA's), (Start: 96 @26648 has 15 MA's), (Start: 105 @26639 has 108 MA's), (137, 26477), (151, 26411), (156, 26393), (173, 26318), (177, 26294), (184, 26255), (185, 26252), (202, 26165), (225, 26051), (228, 26039), (273, 25856), (295, 25745), (307, 25694), (351, 25565), (354, 25556), (373, 25481), (375, 25475), (405, 25352), (414, 25313), (458, 25163), (465, 25148),

Gene: Bruiser_32 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for Bruiser_32:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Bruns_36 Start: 29373, Stop: 30860, Start Num: 113

Candidate Starts for Bruns_36:

(Start: 54 @29277 has 29 MA's), (Start: 57 @29283 has 3 MA's), (Start: 60 @29289 has 9 MA's), (Start: 61 @29292 has 10 MA's), (Start: 64 @29307 has 1 MA's), (Start: 108 @29358 has 217 MA's), (Start: 113 @29373 has 10 MA's), (151, 29577), (153, 29583), (156, 29595), (157, 29604), (187, 29721), (190, 29733), (192, 29742), (193, 29751), (215, 29859), (220, 29880), (222, 29892), (228, 29916), (269, 30087), (283, 30147), (296, 30204), (304, 30231), (310, 30258), (314, 30273), (343, 30342), (355, 30381), (363, 30414), (365, 30417), (382, 30495), (385, 30510), (412, 30615), (435, 30729), (476, 30828), (483, 30852),

Gene: Bryce_29 Start: 23611, Stop: 22115, Start Num: 93

Candidate Starts for Bryce_29:

(Start: 93 @23611 has 32 MA's), (Start: 108 @23590 has 217 MA's), (Start: 110 @23584 has 3 MA's), (Start: 136 @23455 has 1 MA's), (145, 23407), (164, 23320), (192, 23215), (213, 23104), (226, 23044), (229, 23032), (243, 22969), (251, 22939), (259, 22906), (266, 22885), (272, 22855), (279, 22834), (285, 22789), (286, 22786), (287, 22780), (307, 22696), (323, 22657), (325, 22651), (366, 22522), (370, 22501), (373, 22492), (414, 22330),

Gene: BubbleTrouble_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for BubbleTrouble_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Bumblebee11_33 Start: 26647, Stop: 25133, Start Num: 105

Candidate Starts for Bumblebee11_33:

(Start: 76 @26689 has 1 MA's), (Start: 96 @26656 has 15 MA's), (Start: 105 @26647 has 108 MA's), (137, 26485), (151, 26419), (156, 26401), (173, 26326), (184, 26263), (185, 26260), (202, 26173), (228, 26047), (273, 25864), (283, 25807), (295, 25753), (307, 25702), (351, 25573), (354, 25564), (373, 25489), (375, 25483), (404, 25369), (405, 25360), (414, 25321), (458, 25171), (465, 25156),

Gene: Burger_32 Start: 26646, Stop: 25123, Start Num: 96

Candidate Starts for Burger_32:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Burton_38 Start: 29535, Stop: 31049, Start Num: 108

Candidate Starts for Burton_38:

(Start: 54 @29454 has 29 MA's), (Start: 57 @29460 has 3 MA's), (Start: 60 @29466 has 9 MA's), (Start: 61 @29469 has 10 MA's), (Start: 64 @29484 has 1 MA's), (Start: 108 @29535 has 217 MA's), (Start: 111 @29544 has 2 MA's), (Start: 113 @29550 has 10 MA's), (115, 29559), (Start: 117 @29568 has 1 MA's), (132, 29652), (Start: 136 @29670 has 1 MA's), (151, 29754), (153, 29760), (156, 29772), (157, 29781), (187, 29898), (190, 29910), (192, 29919), (193, 29928), (211, 30024), (215, 30036), (222, 30069), (269, 30264), (283, 30324), (296, 30381), (310, 30435), (311, 30438), (314, 30450), (353, 30552), (355, 30558), (363, 30591), (382, 30672), (385, 30687), (412, 30792), (435, 30906),

Gene: BuzzBuzz_35 Start: 27309, Stop: 25741, Start Num: 105

Candidate Starts for BuzzBuzz_35:

(42, 27459), (49, 27444), (82, 27345), (Start: 105 @27309 has 108 MA's), (157, 27054), (162, 27030), (176, 26970), (184, 26922), (185, 26919), (202, 26832), (206, 26820), (208, 26799), (213, 26775), (228, 26706), (244, 26637), (245, 26628), (273, 26523), (279, 26478), (307, 26346), (338, 26262), (353, 26205), (405, 25998), (434, 25857),

Gene: Bxb1_35 Start: 29491, Stop: 30993, Start Num: 108

Candidate Starts for Bxb1_35:

(Start: 54 @29410 has 29 MA's), (Start: 57 @29416 has 3 MA's), (Start: 60 @29422 has 9 MA's), (Start: 61 @29425 has 10 MA's), (Start: 64 @29440 has 1 MA's), (Start: 108 @29491 has 217 MA's), (151, 29710), (153, 29716), (157, 29737), (190, 29866), (192, 29875), (193, 29884), (215, 29992), (220, 30013), (222, 30025), (228, 30049), (237, 30091), (267, 30205), (269, 30220), (283, 30280), (296, 30337), (304, 30364), (310, 30391), (311, 30394), (314, 30406), (343, 30475), (353, 30508), (355, 30514), (363, 30547), (382, 30628), (385, 30643), (435, 30862), (476, 30961), (483, 30985),

Gene: Bxz2_34 Start: 27316, Stop: 25748, Start Num: 105

Candidate Starts for Bxz2_34:

(42, 27466), (49, 27451), (82, 27352), (Start: 105 @27316 has 108 MA's), (157, 27061), (162, 27037), (176, 26977), (184, 26929), (185, 26926), (202, 26839), (206, 26827), (208, 26806), (213, 26782), (228, 26713), (244, 26644), (245, 26635), (273, 26530), (279, 26485), (307, 26353), (338, 26269), (353, 26212), (405, 26005), (434, 25864),

Gene: CactusRose_35 Start: 28926, Stop: 30428, Start Num: 108

Candidate Starts for CactusRose_35:

(15, 28689), (18, 28692), (23, 28707), (32, 28770), (Start: 71 @28881 has 3 MA's), (Start: 108 @28926 has 217 MA's), (Start: 113 @28941 has 10 MA's), (Start: 130 @29034 has 1 MA's), (151, 29145), (153, 29151), (157, 29172), (187, 29289), (190, 29301), (192, 29310), (193, 29319), (211, 29415), (215, 29427), (222, 29460), (230, 29496), (269, 29655), (283, 29715), (296, 29772), (310, 29826), (311, 29829), (314, 29841), (355, 29949), (363, 29982), (382, 30063), (385, 30078), (412, 30183), (435, 30297), (476, 30396), (483, 30420),

Gene: Caelakin_33 Start: 26646, Stop: 25123, Start Num: 96

Candidate Starts for Caelakin_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Caitlin_29 Start: 25011, Stop: 23509, Start Num: 105

Candidate Starts for Caitlin_29:

(66, 25080), (Start: 76 @25053 has 1 MA's), (82, 25047), (Start: 105 @25011 has 108 MA's), (Start: 136 @24861 has 1 MA's), (157, 24756), (173, 24690), (176, 24672), (184, 24630), (185, 24627), (202, 24540), (208, 24507), (228, 24414), (250, 24321), (263, 24273), (273, 24231), (284, 24171), (307, 24069), (369, 23862), (395, 23757), (405, 23721), (414, 23682), (432, 23598), (452, 23550),

Gene: CallinAllBarbz_48 Start: 34767, Stop: 36179, Start Num: 108

Candidate Starts for CallinAllBarbz_48:

(Start: 108 @34767 has 217 MA's), (183, 35097), (187, 35109), (191, 35127), (193, 35139), (198, 35166), (200, 35172), (229, 35313), (237, 35349), (267, 35430), (275, 35478), (301, 35577), (319, 35646), (351, 35757), (367, 35814), (369, 35829), (390, 35910), (397, 35928), (422, 36015), (463, 36165),

Gene: Camperdownii_32 Start: 26250, Stop: 24772, Start Num: 114

Candidate Starts for Camperdownii_32:

(Start: 65 @26334 has 10 MA's), (Start: 108 @26268 has 217 MA's), (Start: 114 @26250 has 3 MA's), (125, 26193), (127, 26175), (134, 26145), (Start: 136 @26133 has 1 MA's), (161, 26007), (168, 25986), (175, 25956), (186, 25917), (194, 25878), (212, 25788), (225, 25728), (238, 25674), (272, 25536), (312, 25368), (336, 25305), (358, 25215), (367, 25179), (373, 25152), (384, 25098), (386, 25089), (436, 24879), (442, 24861), (454, 24849), (457, 24840),

Gene: Cappuccino_43 Start: 31421, Stop: 32860, Start Num: 107

Candidate Starts for Cappuccino_43:

(Start: 107 @31421 has 20 MA's), (Start: 130 @31532 has 1 MA's), (132, 31541), (147, 31604), (151, 31628), (154, 31637), (187, 31787), (189, 31796), (218, 31952), (220, 31958), (226, 31985), (241, 32045), (284, 32219), (286, 32234), (322, 32342), (376, 32525), (438, 32789), (445, 32804), (446, 32807),

Gene: CartmannCramer_37 Start: 31594, Stop: 33081, Start Num: 113

Candidate Starts for CartmannCramer_37:

(Start: 54 @31498 has 29 MA's), (Start: 57 @31504 has 3 MA's), (Start: 60 @31510 has 9 MA's), (Start: 61 @31513 has 10 MA's), (Start: 64 @31528 has 1 MA's), (Start: 108 @31579 has 217 MA's), (Start: 113 @31594 has 10 MA's), (151, 31798), (153, 31804), (156, 31816), (157, 31825), (190, 31954), (192, 31963), (193, 31972), (215, 32080), (220, 32101), (222, 32113), (228, 32137), (237, 32179), (269, 32308), (274, 32326), (283, 32368), (296, 32425), (304, 32452), (310, 32479), (311, 32482), (314, 32494), (343, 32563), (353, 32596), (355, 32602), (363, 32635), (382, 32716), (385, 32731), (412, 32836), (435, 32950), (476, 33049), (483, 33073),

Gene: Cassia_48 Start: 35110, Stop: 36528, Start Num: 104

Candidate Starts for Cassia_48:

(91, 35092), (101, 35107), (Start: 104 @35110 has 34 MA's), (Start: 108 @35119 has 217 MA's), (Start: 136 @35257 has 1 MA's), (153, 35341), (183, 35452), (187, 35464), (189, 35473), (208, 35572), (216, 35614), (228, 35665), (237, 35704), (351, 36109), (367, 36166), (370, 36184), (374, 36196), (423, 36370),

Gene: CatBus_39 Start: 30922, Stop: 32409, Start Num: 113

Candidate Starts for CatBus_39:

(Start: 54 @30826 has 29 MA's), (Start: 57 @30832 has 3 MA's), (Start: 60 @30838 has 9 MA's), (Start: 61 @30841 has 10 MA's), (Start: 64 @30856 has 1 MA's), (Start: 108 @30907 has 217 MA's), (Start: 113 @30922 has 10 MA's), (151, 31126), (153, 31132), (157, 31153), (187, 31270), (190, 31282), (192, 31291), (193, 31300), (211, 31396), (215, 31408), (220, 31429), (222, 31441), (228, 31465), (269, 31636), (283, 31696), (296, 31753), (304, 31780), (310, 31807), (314, 31822), (343, 31891), (355, 31930), (363, 31963), (382, 32044), (385, 32059), (412, 32164), (435, 32278), (476, 32377), (483, 32401),

Gene: Caviar_34 Start: 27229, Stop: 25721, Start Num: 108

Candidate Starts for Caviar_34:

(Start: 100 @27244 has 2 MA's), (Start: 108 @27229 has 217 MA's), (Start: 110 @27223 has 3 MA's), (Start: 111 @27220 has 2 MA's), (143, 27052), (145, 27046), (172, 26929), (189, 26869), (211, 26752), (220, 26713), (226, 26686), (229, 26674), (255, 26539), (291, 26386), (313, 26296), (331, 26257), (359, 26167), (369, 26125), (373, 26113), (383, 26068), (387, 26047), (438, 25834), (449, 25813),

Gene: Celeste_51 Start: 35002, Stop: 36645, Start Num: 34

Candidate Starts for Celeste_51:

(Start: 34 @35002 has 7 MA's), (Start: 55 @35068 has 24 MA's), (Start: 114 @35188 has 3 MA's), (132, 35287), (Start: 136 @35305 has 1 MA's), (163, 35437), (164, 35440), (185, 35512), (186, 35521), (187, 35524), (217, 35677), (230, 35734), (231, 35737), (233, 35746), (240, 35770), (257, 35839), (294, 35974), (310, 36040), (323, 36070), (358, 36169), (363, 36193), (366, 36202), (371, 36226), (387, 36298), (431, 36487), (437, 36517), (440, 36526), (450, 36550), (455, 36565), (461, 36580),

Gene: Celestialunch_33 Start: 26340, Stop: 24784, Start Num: 103

Candidate Starts for Celestialunch_33:

(Start: 103 @26340 has 3 MA's), (Start: 108 @26328 has 217 MA's), (128, 26226), (Start: 136 @26187 has 1 MA's), (157, 26082), (162, 26058), (173, 26016), (185, 25944), (186, 25935), (197, 25884), (208, 25824), (230, 25719), (241, 25680), (243, 25665), (244, 25662), (250, 25638), (261, 25596), (267, 25578), (273, 25548), (279, 25530), (282, 25506), (310, 25389), (319, 25359), (351, 25278), (353, 25272), (369, 25206), (373, 25194), (380, 25161), (392, 25113), (401, 25080), (405, 25065), (412, 25035), (414, 25026), (416, 25020), (432, 24933), (437, 24912), (440, 24903), (478, 24816),

Gene: Cen1621_56 Start: 37861, Stop: 39441, Start Num: 86

Candidate Starts for Cen1621_56:

(Start: 86 @37861 has 2 MA's), (134, 38014), (147, 38071), (166, 38158), (186, 38272), (196, 38320), (197, 38323), (203, 38353), (237, 38518), (264, 38638), (268, 38650), (322, 38890), (346, 38965), (398, 39169), (426, 39283), (440, 39349), (444, 39358),

Gene: CentreCat_33 Start: 26640, Stop: 25126, Start Num: 105

Candidate Starts for CentreCat_33:

(Start: 76 @26682 has 1 MA's), (Start: 96 @26649 has 15 MA's), (Start: 105 @26640 has 108 MA's), (137, 26478), (151, 26412), (156, 26394), (173, 26319), (177, 26295), (184, 26256), (185, 26253), (202, 26166), (225, 26052), (228, 26040), (273, 25857), (295, 25746), (307, 25695), (351, 25566),

(354, 25557), (373, 25482), (375, 25476), (405, 25353), (414, 25314), (458, 25164), (465, 25149),

Gene: Chadwick_32 Start: 25311, Stop: 23830, Start Num: 108

Candidate Starts for Chadwick_32:

(84, 25338), (Start: 108 @25311 has 217 MA's), (Start: 118 @25275 has 3 MA's), (Start: 136 @25176 has 1 MA's), (153, 25092), (161, 25050), (169, 25026), (175, 24999), (186, 24960), (192, 24936), (220, 24792), (288, 24498), (302, 24453), (307, 24423), (314, 24399), (323, 24384), (345, 24324), (358, 24273), (359, 24264), (373, 24210), (380, 24177), (396, 24111), (403, 24096), (414, 24048), (442, 23919), (480, 23841),

Gene: Chanagan_36 Start: 28977, Stop: 30479, Start Num: 108

Candidate Starts for Chanagan_36:

(Start: 50 @28887 has 1 MA's), (Start: 71 @28932 has 3 MA's), (Start: 108 @28977 has 217 MA's), (Start: 113 @28992 has 10 MA's), (137, 29124), (151, 29196), (153, 29202), (190, 29352), (192, 29361), (193, 29370), (215, 29478), (220, 29499), (222, 29511), (228, 29535), (237, 29577), (269, 29706), (283, 29766), (296, 29823), (304, 29850), (310, 29877), (314, 29892), (343, 29961), (353, 29994), (355, 30000), (363, 30033), (382, 30114), (385, 30129), (412, 30234), (435, 30348), (476, 30447), (483, 30471),

Gene: Chaph_33 Start: 26648, Stop: 25134, Start Num: 105

Candidate Starts for Chaph_33:

(Start: 76 @26690 has 1 MA's), (Start: 96 @26657 has 15 MA's), (Start: 105 @26648 has 108 MA's), (137, 26486), (151, 26420), (156, 26402), (173, 26327), (177, 26303), (184, 26264), (185, 26261), (202, 26174), (225, 26060), (228, 26048), (273, 25865), (295, 25754), (307, 25703), (351, 25574), (354, 25565), (373, 25490), (375, 25484), (405, 25361), (414, 25322), (458, 25172), (465, 25157),

Gene: Chargerpower_35 Start: 26253, Stop: 24691, Start Num: 108

Candidate Starts for Chargerpower_35:

(Start: 108 @26253 has 217 MA's), (Start: 136 @26118 has 1 MA's), (189, 25890), (219, 25737), (220, 25734), (225, 25710), (230, 25686), (241, 25647), (244, 25629), (272, 25518), (279, 25497), (307, 25365), (308, 25362), (310, 25356), (314, 25341), (317, 25323), (389, 25056), (396, 25029), (409, 24984), (411, 24978), (414, 24966), (426, 24909), (434, 24867), (436, 24855), (440, 24843), (442, 24837), (470, 24786),

Gene: Charm_33 Start: 26356, Stop: 24809, Start Num: 107

Candidate Starts for Charm_33:

(Start: 60 @26449 has 9 MA's), (Start: 77 @26401 has 1 MA's), (89, 26380), (Start: 96 @26371 has 15 MA's), (Start: 107 @26356 has 20 MA's), (115, 26326), (157, 26107), (174, 26035), (185, 25969), (186, 25960), (191, 25939), (197, 25909), (211, 25831), (212, 25828), (235, 25723), (243, 25690), (263, 25615), (273, 25573), (279, 25555), (282, 25531), (310, 25414), (319, 25384), (351, 25303), (369, 25231), (373, 25219), (401, 25105), (405, 25090), (421, 25027), (423, 25021), (426, 24994), (432, 24958), (433, 24955), (437, 24937), (459, 24886),

Gene: Chucky_50 Start: 36208, Stop: 37821, Start Num: 55

Candidate Starts for Chucky_50:

(Start: 34 @36142 has 7 MA's), (Start: 53 @36199 has 5 MA's), (Start: 55 @36208 has 24 MA's), (Start: 114 @36355 has 3 MA's), (132, 36454), (Start: 136 @36472 has 1 MA's), (147, 36523), (163, 36604), (164, 36607), (185, 36679), (186, 36688), (187, 36691), (211, 36817), (217, 36844), (233, 36913), (244, 36958), (262, 37027), (271, 37054), (284, 37102), (294, 37150), (305, 37189), (310, 37216), (323, 37246), (363, 37369), (377, 37429), (387, 37474), (421, 37603), (429, 37654), (431, 37663), (440, 37702), (450, 37726), (455, 37741), (461, 37756), (469, 37771),

Gene: Chupacabra_33 Start: 26669, Stop: 25161, Start Num: 108

Candidate Starts for Chupacabra_33:

(Start: 108 @26669 has 217 MA's), (Start: 114 @26651 has 3 MA's), (115, 26645), (131, 26558),
(Start: 136 @26534 has 1 MA's), (172, 26369), (211, 26192), (220, 26153), (222, 26141), (225, 26129),
(226, 26126), (229, 26114), (282, 25868), (286, 25847), (323, 25718), (331, 25697), (360, 25604),
(367, 25580), (369, 25565), (383, 25508), (387, 25487),

Gene: Ciao_37 Start: 29363, Stop: 30862, Start Num: 113

Candidate Starts for Ciao_37:

(Start: 54 @29267 has 29 MA's), (Start: 57 @29273 has 3 MA's), (Start: 60 @29279 has 9 MA's),
(Start: 61 @29282 has 10 MA's), (Start: 64 @29297 has 1 MA's), (Start: 108 @29348 has 217 MA's),
(Start: 113 @29363 has 10 MA's), (151, 29567), (153, 29573), (157, 29594), (187, 29711), (190,
29723), (192, 29732), (193, 29741), (215, 29849), (220, 29870), (222, 29882), (228, 29906), (237,
29948), (269, 30077), (283, 30137), (296, 30194), (304, 30221), (310, 30248), (311, 30251), (314,
30263), (343, 30332), (353, 30365), (355, 30371), (363, 30404), (382, 30485), (385, 30500), (412,
30605), (435, 30719),

Gene: Cici_33 Start: 26641, Stop: 25127, Start Num: 105

Candidate Starts for Cici_33:

(Start: 76 @26683 has 1 MA's), (Start: 96 @26650 has 15 MA's), (Start: 105 @26641 has 108 MA's),
(137, 26479), (151, 26413), (156, 26395), (173, 26320), (184, 26257), (185, 26254), (202, 26167),
(228, 26041), (273, 25858), (283, 25801), (295, 25747), (307, 25696), (351, 25567), (354, 25558),
(373, 25483), (375, 25477), (404, 25363), (405, 25354), (414, 25315), (458, 25165), (465, 25150),

Gene: Cindaradix_32 Start: 26384, Stop: 24879, Start Num: 102

Candidate Starts for Cindaradix_32:

(20, 26615), (26, 26597), (27, 26588), (Start: 65 @26441 has 10 MA's), (Start: 102 @26384 has 1
MA's), (Start: 108 @26375 has 217 MA's), (Start: 114 @26357 has 3 MA's), (125, 26300), (127,
26282), (134, 26252), (Start: 136 @26240 has 1 MA's), (161, 26114), (168, 26093), (175, 26063), (186,
26024), (212, 25895), (225, 25835), (238, 25781), (272, 25643), (285, 25580), (336, 25412), (338,
25409), (367, 25286), (373, 25259), (384, 25205), (386, 25196), (436, 24986), (442, 24968), (454,
24956), (457, 24947),

Gene: Cintron_33 Start: 26703, Stop: 25171, Start Num: 105

Candidate Starts for Cintron_33:

(Start: 76 @26745 has 1 MA's), (Start: 96 @26712 has 15 MA's), (Start: 105 @26703 has 108 MA's),
(137, 26541), (151, 26475), (156, 26457), (173, 26382), (177, 26358), (184, 26319), (185, 26316),
(202, 26229), (228, 26103), (230, 26091), (273, 25920), (295, 25809), (307, 25758), (340, 25659),
(351, 25611), (354, 25602), (373, 25527), (375, 25521), (405, 25398), (414, 25359), (458, 25209),
(465, 25194),

Gene: Citius_33 Start: 26652, Stop: 25138, Start Num: 105

Candidate Starts for Citius_33:

(Start: 76 @26694 has 1 MA's), (Start: 96 @26661 has 15 MA's), (Start: 105 @26652 has 108 MA's),
(137, 26490), (151, 26424), (156, 26406), (173, 26331), (177, 26307), (184, 26268), (185, 26265),
(202, 26178), (225, 26064), (228, 26052), (273, 25869), (295, 25758), (307, 25707), (351, 25578),
(354, 25569), (373, 25494), (375, 25488), (405, 25365), (414, 25326), (458, 25176), (465, 25161),

Gene: Clarenza_33 Start: 26634, Stop: 25120, Start Num: 105

Candidate Starts for Clarenza_33:

(Start: 76 @26676 has 1 MA's), (Start: 96 @26643 has 15 MA's), (Start: 105 @26634 has 108 MA's),
(137, 26472), (151, 26406), (156, 26388), (173, 26313), (177, 26289), (184, 26250), (185, 26247),
(202, 26160), (225, 26046), (228, 26034), (273, 25851), (295, 25740), (307, 25689), (351, 25560),
(354, 25551), (373, 25476), (375, 25470), (405, 25347), (414, 25308), (458, 25158), (465, 25143),

Gene: Cocoaberry_33 Start: 26641, Stop: 25127, Start Num: 105

Candidate Starts for Cocoaberry_33:

(Start: 76 @26683 has 1 MA's), (Start: 96 @26650 has 15 MA's), (Start: 105 @26641 has 108 MA's), (137, 26479), (151, 26413), (156, 26395), (173, 26320), (177, 26296), (184, 26257), (185, 26254), (202, 26167), (225, 26053), (228, 26041), (273, 25858), (295, 25747), (307, 25696), (351, 25567), (354, 25558), (373, 25483), (375, 25477), (405, 25354), (414, 25315), (458, 25165), (465, 25150),

Gene: Community_53 Start: 37437, Stop: 38921, Start Num: 97

Candidate Starts for Community_53:

(Start: 97 @37437 has 3 MA's), (Start: 104 @37446 has 34 MA's), (180, 37767), (232, 38046), (272, 38220), (328, 38412), (390, 38649), (430, 38811),

Gene: ConceptII_39 Start: 30495, Stop: 32009, Start Num: 108

Candidate Starts for ConceptII_39:

(Start: 54 @30414 has 29 MA's), (Start: 57 @30420 has 3 MA's), (Start: 60 @30426 has 9 MA's), (Start: 61 @30429 has 10 MA's), (Start: 64 @30444 has 1 MA's), (Start: 108 @30495 has 217 MA's), (153, 30720), (190, 30870), (192, 30879), (193, 30888), (215, 30996), (220, 31017), (222, 31029), (228, 31053), (237, 31095), (269, 31224), (283, 31284), (296, 31341), (304, 31368), (310, 31395), (314, 31410), (353, 31512), (355, 31518), (363, 31551), (365, 31554), (382, 31632), (385, 31647), (412, 31752), (435, 31866),

Gene: Connomayer_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for Connomayer_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Conspiracy_30 Start: 25686, Stop: 24193, Start Num: 108

Candidate Starts for Conspiracy_30:

(Start: 108 @25686 has 217 MA's), (Start: 117 @25653 has 1 MA's), (Start: 118 @25650 has 3 MA's), (Start: 120 @25632 has 4 MA's), (Start: 136 @25551 has 1 MA's), (167, 25407), (173, 25380), (187, 25332), (220, 25167), (225, 25143), (226, 25140), (230, 25119), (279, 24930), (323, 24759), (359, 24624), (369, 24582), (373, 24570), (393, 24486), (396, 24471), (403, 24456), (442, 24279), (462, 24249), (477, 24216),

Gene: Coog_30 Start: 25790, Stop: 24333, Start Num: 118

Candidate Starts for Coog_30:

(Start: 108 @25826 has 217 MA's), (Start: 117 @25793 has 1 MA's), (Start: 118 @25790 has 3 MA's), (Start: 120 @25772 has 4 MA's), (Start: 136 @25691 has 1 MA's), (167, 25547), (173, 25520), (187, 25472), (220, 25307), (225, 25283), (226, 25280), (230, 25259), (244, 25202), (279, 25070), (310, 24929), (323, 24899), (369, 24722), (373, 24710), (393, 24626), (396, 24611), (403, 24596), (442, 24419), (462, 24389), (477, 24356),

Gene: Corvo_38 Start: 30261, Stop: 31844, Start Num: 54

Candidate Starts for Corvo_38:

(Start: 54 @30261 has 29 MA's), (Start: 57 @30267 has 3 MA's), (Start: 60 @30273 has 9 MA's), (Start: 61 @30276 has 10 MA's), (Start: 64 @30291 has 1 MA's), (Start: 108 @30342 has 217 MA's), (Start: 113 @30357 has 10 MA's), (115, 30366), (151, 30561), (153, 30567), (156, 30579), (157, 30588), (190, 30717), (192, 30726), (193, 30735), (215, 30843), (220, 30864), (222, 30876), (228, 30900), (269, 31071), (283, 31131), (296, 31188), (310, 31242), (311, 31245), (314, 31257), (355, 31365), (363, 31398), (373, 31437), (382, 31479), (385, 31494), (435, 31713), (476, 31812), (483,

31836),

Gene: CosmicSans_29 Start: 23636, Stop: 22140, Start Num: 93

Candidate Starts for CosmicSans_29:

(Start: 93 @23636 has 32 MA's), (Start: 108 @23615 has 217 MA's), (Start: 110 @23609 has 3 MA's), (Start: 136 @23480 has 1 MA's), (145, 23432), (192, 23240), (213, 23129), (226, 23069), (229, 23057), (243, 22994), (251, 22964), (259, 22931), (266, 22910), (272, 22880), (277, 22865), (279, 22859), (286, 22811), (294, 22778), (307, 22721), (323, 22682), (325, 22676), (358, 22580), (366, 22547), (370, 22526), (373, 22517), (414, 22355),

Gene: Crewmate_55 Start: 36855, Stop: 38273, Start Num: 104

Candidate Starts for Crewmate_55:

(91, 36837), (101, 36852), (Start: 104 @36855 has 34 MA's), (Start: 108 @36864 has 217 MA's), (131, 36978), (Start: 136 @37002 has 1 MA's), (140, 37023), (153, 37086), (163, 37134), (183, 37197), (187, 37209), (208, 37317), (216, 37359), (228, 37410), (237, 37449), (351, 37854), (370, 37929), (374, 37941), (400, 38034), (422, 38112), (438, 38202),

Gene: Crispicous1_36 Start: 28941, Stop: 30443, Start Num: 108

Candidate Starts for Crispicous1_36:

(Start: 54 @28860 has 29 MA's), (Start: 57 @28866 has 3 MA's), (Start: 60 @28872 has 9 MA's), (Start: 61 @28875 has 10 MA's), (Start: 64 @28890 has 1 MA's), (Start: 108 @28941 has 217 MA's), (Start: 130 @29049 has 1 MA's), (151, 29160), (153, 29166), (165, 29220), (187, 29304), (190, 29316), (192, 29325), (193, 29334), (215, 29442), (220, 29463), (222, 29475), (228, 29499), (237, 29541), (269, 29670), (283, 29730), (296, 29787), (304, 29814), (310, 29841), (311, 29844), (314, 29856), (343, 29925), (353, 29958), (355, 29964), (363, 29997), (382, 30078), (385, 30093), (435, 30312), (476, 30411), (483, 30435),

Gene: Cuco_30 Start: 25776, Stop: 24283, Start Num: 108

Candidate Starts for Cuco_30:

(Start: 108 @25776 has 217 MA's), (Start: 117 @25743 has 1 MA's), (Start: 118 @25740 has 3 MA's), (Start: 120 @25722 has 4 MA's), (Start: 136 @25641 has 1 MA's), (167, 25497), (173, 25470), (187, 25422), (220, 25257), (225, 25233), (226, 25230), (230, 25209), (279, 25020), (310, 24879), (323, 24849), (369, 24672), (373, 24660), (393, 24576), (396, 24561), (403, 24546), (442, 24369), (462, 24339), (477, 24306),

Gene: Cueyliss_37 Start: 29520, Stop: 31019, Start Num: 108

Candidate Starts for Cueyliss_37:

(Start: 71 @29475 has 3 MA's), (Start: 108 @29520 has 217 MA's), (Start: 113 @29535 has 10 MA's), (115, 29544), (137, 29667), (151, 29739), (153, 29745), (165, 29799), (190, 29895), (192, 29904), (193, 29913), (215, 30021), (220, 30042), (222, 30054), (228, 30078), (237, 30120), (269, 30249), (283, 30309), (296, 30366), (304, 30393), (310, 30420), (311, 30423), (314, 30435), (353, 30534), (363, 30573), (382, 30654), (385, 30669), (412, 30774), (435, 30888), (476, 30987), (483, 31011),

Gene: Cyan_50 Start: 35259, Stop: 36668, Start Num: 108

Candidate Starts for Cyan_50:

(Start: 108 @35259 has 217 MA's), (131, 35373), (Start: 136 @35397 has 1 MA's), (153, 35481), (183, 35592), (187, 35604), (189, 35613), (208, 35712), (228, 35805), (230, 35817), (284, 36003), (367, 36306), (370, 36324), (374, 36336), (382, 36369), (422, 36507),

Gene: DD5_38 Start: 30268, Stop: 31770, Start Num: 108

Candidate Starts for DD5_38:

(Start: 54 @30187 has 29 MA's), (Start: 57 @30193 has 3 MA's), (Start: 60 @30199 has 9 MA's), (Start: 61 @30202 has 10 MA's), (Start: 64 @30217 has 1 MA's), (Start: 108 @30268 has 217 MA's),

(Start: 111 @30277 has 2 MA's), (Start: 113 @30283 has 10 MA's), (115, 30292), (151, 30487), (153, 30493), (157, 30514), (187, 30631), (190, 30643), (192, 30652), (193, 30661), (215, 30769), (220, 30790), (222, 30802), (228, 30826), (237, 30868), (269, 30997), (283, 31057), (296, 31114), (310, 31168), (314, 31183), (353, 31285), (355, 31291), (382, 31405), (385, 31420), (435, 31639), (476, 31738), (483, 31762),

Gene: Daishi_35 Start: 26150, Stop: 24582, Start Num: 105

Candidate Starts for Daishi_35:

(42, 26300), (49, 26285), (82, 26186), (Start: 105 @26150 has 108 MA's), (157, 25895), (162, 25871), (176, 25811), (184, 25763), (185, 25760), (202, 25673), (206, 25661), (208, 25640), (213, 25616), (228, 25547), (244, 25478), (245, 25469), (273, 25364), (279, 25319), (307, 25187), (338, 25103), (353, 25046), (405, 24839), (434, 24698),

Gene: Danforth_29 Start: 24993, Stop: 23491, Start Num: 105

Candidate Starts for Danforth_29:

(66, 25062), (Start: 76 @25035 has 1 MA's), (82, 25029), (Start: 105 @24993 has 108 MA's), (Start: 136 @24843 has 1 MA's), (157, 24738), (173, 24672), (176, 24654), (184, 24612), (185, 24609), (202, 24522), (228, 24396), (250, 24303), (263, 24255), (273, 24213), (284, 24153), (307, 24051), (351, 23916), (369, 23844), (395, 23739), (404, 23712), (405, 23703), (432, 23580), (452, 23532),

Gene: Danzina_52 Start: 35300, Stop: 36943, Start Num: 34

Candidate Starts for Danzina_52:

(Start: 34 @35300 has 7 MA's), (Start: 55 @35366 has 24 MA's), (Start: 114 @35486 has 3 MA's), (Start: 130 @35576 has 1 MA's), (Start: 136 @35603 has 1 MA's), (147, 35654), (163, 35735), (164, 35738), (185, 35810), (186, 35819), (187, 35822), (217, 35975), (230, 36032), (231, 36035), (233, 36044), (240, 36068), (257, 36137), (294, 36272), (310, 36338), (314, 36353), (323, 36368), (358, 36467), (363, 36491), (366, 36500), (371, 36524), (387, 36596), (431, 36785), (437, 36815), (440, 36824), (450, 36848), (455, 36863), (461, 36878),

Gene: DARTHPhader_36 Start: 28430, Stop: 26865, Start Num: 108

Candidate Starts for DARTHPhader_36:

(Start: 108 @28430 has 217 MA's), (115, 28406), (Start: 136 @28295 has 1 MA's), (137, 28283), (164, 28160), (219, 27911), (225, 27884), (230, 27860), (241, 27821), (244, 27803), (256, 27749), (272, 27692), (294, 27593), (302, 27569), (308, 27536), (310, 27530), (314, 27515), (315, 27509), (317, 27497), (373, 27302), (383, 27257), (396, 27203), (414, 27140), (426, 27083), (434, 27041), (466, 26969), (470, 26960), (478, 26939), (488, 26876),

Gene: Dattran_52 Start: 35171, Stop: 36814, Start Num: 34

Candidate Starts for Dattran_52:

(Start: 34 @35171 has 7 MA's), (Start: 55 @35237 has 24 MA's), (Start: 114 @35357 has 3 MA's), (132, 35456), (Start: 136 @35474 has 1 MA's), (147, 35525), (163, 35606), (164, 35609), (185, 35681), (186, 35690), (187, 35693), (230, 35903), (231, 35906), (233, 35915), (294, 36143), (310, 36209), (323, 36239), (358, 36338), (363, 36362), (366, 36371), (371, 36395), (387, 36467), (431, 36656), (437, 36686), (440, 36695), (450, 36719), (455, 36734), (461, 36749),

Gene: Datway_33 Start: 26665, Stop: 25142, Start Num: 96

Candidate Starts for Datway_33:

(Start: 76 @26698 has 1 MA's), (Start: 96 @26665 has 15 MA's), (Start: 105 @26656 has 108 MA's), (Start: 117 @26611 has 1 MA's), (137, 26494), (151, 26428), (156, 26410), (173, 26335), (184, 26272), (185, 26269), (202, 26182), (228, 26056), (273, 25873), (283, 25816), (295, 25762), (307, 25711), (351, 25582), (354, 25573), (373, 25498), (375, 25492), (404, 25378), (405, 25369), (414, 25330), (458, 25180), (465, 25165),

Gene: Deano_33 Start: 26645, Stop: 25131, Start Num: 105

Candidate Starts for Deano_33:

(Start: 76 @26687 has 1 MA's), (Start: 96 @26654 has 15 MA's), (Start: 105 @26645 has 108 MA's), (137, 26483), (151, 26417), (156, 26399), (173, 26324), (177, 26300), (184, 26261), (185, 26258), (202, 26171), (225, 26057), (228, 26045), (273, 25862), (295, 25751), (307, 25700), (351, 25571), (354, 25562), (373, 25487), (375, 25481), (405, 25358), (414, 25319), (458, 25169), (465, 25154),

Gene: Dexes_37 Start: 29719, Stop: 31221, Start Num: 108

Candidate Starts for Dexes_37:

(14, 29482), (17, 29485), (22, 29500), (31, 29563), (Start: 54 @29638 has 29 MA's), (Start: 57 @29644 has 3 MA's), (Start: 60 @29650 has 9 MA's), (Start: 61 @29653 has 10 MA's), (Start: 64 @29668 has 1 MA's), (Start: 108 @29719 has 217 MA's), (153, 29944), (157, 29965), (172, 30028), (190, 30094), (192, 30103), (193, 30112), (215, 30220), (220, 30241), (222, 30253), (228, 30277), (237, 30319), (269, 30448), (283, 30508), (296, 30565), (304, 30592), (310, 30619), (311, 30622), (314, 30634), (353, 30736), (355, 30742), (363, 30775), (382, 30856), (385, 30871), (435, 31090), (476, 31189), (483, 31213),

Gene: Dhanush_33 Start: 26640, Stop: 25126, Start Num: 105

Candidate Starts for Dhanush_33:

(Start: 76 @26682 has 1 MA's), (Start: 96 @26649 has 15 MA's), (Start: 105 @26640 has 108 MA's), (137, 26478), (151, 26412), (156, 26394), (173, 26319), (177, 26295), (184, 26256), (185, 26253), (202, 26166), (225, 26052), (228, 26040), (273, 25857), (295, 25746), (307, 25695), (351, 25566), (354, 25557), (373, 25482), (375, 25476), (405, 25353), (414, 25314), (458, 25164), (465, 25149),

Gene: Dinger_29 Start: 23598, Stop: 22111, Start Num: 108

Candidate Starts for Dinger_29:

(Start: 108 @23598 has 217 MA's), (Start: 110 @23592 has 3 MA's), (Start: 136 @23463 has 1 MA's), (145, 23415), (192, 23223), (199, 23184), (213, 23112), (226, 23052), (229, 23040), (251, 22947), (259, 22914), (266, 22893), (269, 22875), (272, 22863), (277, 22848), (279, 22842), (286, 22794), (294, 22761), (307, 22704), (323, 22665), (325, 22659), (370, 22509), (407, 22368), (414, 22338), (480, 22122),

Gene: DirtDevil_39 Start: 30730, Stop: 32217, Start Num: 113

Candidate Starts for DirtDevil_39:

(Start: 54 @30634 has 29 MA's), (Start: 57 @30640 has 3 MA's), (Start: 60 @30646 has 9 MA's), (Start: 61 @30649 has 10 MA's), (Start: 64 @30664 has 1 MA's), (Start: 108 @30715 has 217 MA's), (Start: 113 @30730 has 10 MA's), (151, 30934), (153, 30940), (157, 30961), (187, 31078), (190, 31090), (192, 31099), (193, 31108), (211, 31204), (215, 31216), (220, 31237), (222, 31249), (228, 31273), (269, 31444), (283, 31504), (296, 31561), (304, 31588), (310, 31615), (314, 31630), (343, 31699), (355, 31738), (363, 31771), (382, 31852), (385, 31867), (412, 31972), (435, 32086), (476, 32185), (483, 32209),

Gene: DirtyDunning_33 Start: 26700, Stop: 25138, Start Num: 65

Candidate Starts for DirtyDunning_33:

(Start: 65 @26700 has 10 MA's), (Start: 108 @26634 has 217 MA's), (Start: 114 @26616 has 3 MA's), (125, 26559), (127, 26541), (134, 26511), (Start: 136 @26499 has 1 MA's), (161, 26373), (168, 26352), (175, 26322), (186, 26283), (194, 26244), (212, 26154), (225, 26094), (238, 26040), (272, 25902), (336, 25671), (358, 25581), (367, 25545), (373, 25518), (384, 25464), (386, 25455), (436, 25245), (442, 25227), (454, 25215), (457, 25206),

Gene: Discoknowium_30 Start: 25895, Stop: 24402, Start Num: 108

Candidate Starts for Discoknowium_30:

(Start: 108 @25895 has 217 MA's), (Start: 117 @25862 has 1 MA's), (Start: 118 @25859 has 3 MA's), (Start: 120 @25841 has 4 MA's), (Start: 136 @25760 has 1 MA's), (167, 25616), (173, 25589), (187, 25541), (220, 25376), (225, 25352), (226, 25349), (230, 25328), (279, 25139), (323, 24968), (359, 24833), (369, 24791), (373, 24779), (393, 24695), (396, 24680), (403, 24665), (442, 24488), (462, 24458), (477, 24425),

Gene: Dixon_30 Start: 25012, Stop: 23510, Start Num: 105

Candidate Starts for Dixon_30:

(66, 25081), (Start: 76 @25054 has 1 MA's), (82, 25048), (Start: 105 @25012 has 108 MA's), (Start: 136 @24862 has 1 MA's), (157, 24757), (173, 24691), (176, 24673), (184, 24631), (185, 24628), (202, 24541), (228, 24415), (250, 24322), (263, 24274), (273, 24232), (284, 24172), (307, 24070), (351, 23935), (369, 23863), (395, 23758), (405, 23722), (414, 23683), (432, 23599), (452, 23551),

Gene: Donkey_43 Start: 31411, Stop: 32850, Start Num: 107

Candidate Starts for Donkey_43:

(Start: 107 @31411 has 20 MA's), (Start: 130 @31522 has 1 MA's), (132, 31531), (147, 31594), (151, 31618), (154, 31627), (187, 31777), (189, 31786), (218, 31942), (220, 31948), (226, 31975), (241, 32035), (284, 32209), (286, 32224), (322, 32332), (376, 32515), (438, 32779), (445, 32794), (446, 32797),

Gene: DontArgue_32 Start: 25416, Stop: 23920, Start Num: 108

Candidate Starts for DontArgue_32:

(72, 25482), (Start: 102 @25425 has 1 MA's), (Start: 108 @25416 has 217 MA's), (Start: 114 @25398 has 3 MA's), (131, 25305), (Start: 136 @25281 has 1 MA's), (153, 25197), (161, 25155), (169, 25131), (175, 25104), (186, 25065), (212, 24936), (225, 24876), (238, 24822), (272, 24684), (357, 24366), (367, 24327), (373, 24300), (381, 24261), (384, 24246), (386, 24237), (433, 24042), (438, 24021), (440, 24015), (442, 24009), (454, 23997), (457, 23988), (462, 23976), (481, 23925),

Gene: Doom_37 Start: 29713, Stop: 31212, Start Num: 108

Candidate Starts for Doom_37:

(Start: 54 @29632 has 29 MA's), (Start: 57 @29638 has 3 MA's), (Start: 60 @29644 has 9 MA's), (Start: 61 @29647 has 10 MA's), (Start: 64 @29662 has 1 MA's), (Start: 108 @29713 has 217 MA's), (Start: 113 @29728 has 10 MA's), (Start: 130 @29821 has 1 MA's), (151, 29932), (153, 29938), (157, 29959), (190, 30088), (192, 30097), (193, 30106), (215, 30214), (220, 30235), (222, 30247), (228, 30271), (237, 30313), (269, 30442), (283, 30502), (296, 30559), (304, 30586), (310, 30613), (311, 30616), (314, 30628), (353, 30727), (363, 30766), (365, 30769), (382, 30847), (385, 30862), (435, 31081), (476, 31180), (483, 31204),

Gene: DrFeelGood_36 Start: 29804, Stop: 31306, Start Num: 108

Candidate Starts for DrFeelGood_36:

(Start: 54 @29723 has 29 MA's), (Start: 57 @29729 has 3 MA's), (Start: 60 @29735 has 9 MA's), (Start: 61 @29738 has 10 MA's), (Start: 64 @29753 has 1 MA's), (Start: 108 @29804 has 217 MA's), (Start: 130 @29912 has 1 MA's), (151, 30023), (153, 30029), (165, 30083), (187, 30167), (190, 30179), (192, 30188), (193, 30197), (215, 30305), (220, 30326), (222, 30338), (228, 30362), (237, 30404), (269, 30533), (283, 30593), (296, 30650), (304, 30677), (310, 30704), (311, 30707), (314, 30719), (343, 30788), (353, 30821), (355, 30827), (363, 30860), (382, 30941), (385, 30956), (435, 31175), (476, 31274), (483, 31298),

Gene: DrManhattan_52 Start: 34287, Stop: 35705, Start Num: 104

Candidate Starts for DrManhattan_52:

(91, 34269), (101, 34284), (Start: 104 @34287 has 34 MA's), (Start: 108 @34296 has 217 MA's), (Start: 114 @34314 has 3 MA's), (Start: 136 @34434 has 1 MA's), (153, 34518), (163, 34566), (183, 34629), (187, 34641), (208, 34749), (228, 34842), (287, 35061), (366, 35340), (370, 35361), (422,

35544),

Gene: DrSierra_48 Start: 34086, Stop: 35504, Start Num: 104

Candidate Starts for DrSierra_48:

(91, 34068), (101, 34083), (Start: 104 @34086 has 34 MA's), (Start: 108 @34095 has 217 MA's), (Start: 114 @34113 has 3 MA's), (131, 34209), (Start: 136 @34233 has 1 MA's), (153, 34317), (154, 34320), (163, 34365), (183, 34428), (187, 34440), (189, 34449), (208, 34548), (228, 34641), (237, 34680), (349, 35070), (370, 35160), (374, 35172), (422, 35343),

Gene: Drake94_32 Start: 23843, Stop: 25489, Start Num: 103

Candidate Starts for Drake94_32:

(73, 23795), (Start: 92 @23834 has 4 MA's), (Start: 103 @23843 has 3 MA's), (Start: 111 @23861 has 2 MA's), (Start: 117 @23885 has 1 MA's), (Start: 130 @23960 has 1 MA's), (132, 23969), (Start: 136 @23987 has 1 MA's), (151, 24071), (152, 24074), (159, 24110), (186, 24212), (192, 24236), (193, 24245), (211, 24341), (220, 24377), (229, 24416), (230, 24425), (231, 24428), (260, 24545), (267, 24566), (269, 24581), (272, 24593), (282, 24641), (292, 24686), (310, 24758), (320, 24782), (355, 24902), (359, 24920), (360, 24923), (361, 24926), (394, 25061), (435, 25250), (474, 25343), (483, 25373), (486, 25397), (489, 25445), (490, 25463),

Gene: DreamCatcher_40 Start: 30683, Stop: 32266, Start Num: 54

Candidate Starts for DreamCatcher_40:

(Start: 54 @30683 has 29 MA's), (Start: 57 @30689 has 3 MA's), (Start: 60 @30695 has 9 MA's), (Start: 61 @30698 has 10 MA's), (Start: 64 @30713 has 1 MA's), (Start: 108 @30764 has 217 MA's), (132, 30881), (151, 30983), (153, 30989), (157, 31010), (187, 31127), (190, 31139), (192, 31148), (193, 31157), (215, 31265), (220, 31286), (222, 31298), (228, 31322), (237, 31364), (269, 31493), (283, 31553), (296, 31610), (304, 31637), (310, 31664), (311, 31667), (314, 31679), (343, 31748), (353, 31781), (355, 31787), (363, 31820), (382, 31901), (385, 31916), (412, 32021), (435, 32135), (476, 32234), (483, 32258),

Gene: DreamTeam1_33 Start: 26239, Stop: 24692, Start Num: 107

Candidate Starts for DreamTeam1_33:

(Start: 60 @26332 has 9 MA's), (Start: 77 @26284 has 1 MA's), (89, 26263), (Start: 96 @26254 has 15 MA's), (Start: 107 @26239 has 20 MA's), (115, 26209), (138, 26080), (157, 25990), (174, 25918), (185, 25852), (186, 25843), (191, 25822), (197, 25792), (211, 25714), (212, 25711), (235, 25606), (243, 25573), (263, 25498), (273, 25456), (279, 25438), (282, 25414), (310, 25297), (319, 25267), (351, 25186), (369, 25114), (373, 25102), (401, 24988), (405, 24973), (423, 24904), (432, 24841), (433, 24838), (437, 24820), (459, 24769),

Gene: Dreamboat_38 Start: 29353, Stop: 30855, Start Num: 108

Candidate Starts for Dreamboat_38:

(Start: 54 @29272 has 29 MA's), (Start: 57 @29278 has 3 MA's), (Start: 60 @29284 has 9 MA's), (Start: 61 @29287 has 10 MA's), (Start: 64 @29302 has 1 MA's), (Start: 108 @29353 has 217 MA's), (Start: 113 @29368 has 10 MA's), (132, 29470), (Start: 136 @29488 has 1 MA's), (137, 29500), (151, 29572), (153, 29578), (156, 29590), (157, 29599), (187, 29716), (190, 29728), (192, 29737), (193, 29746), (211, 29842), (215, 29854), (220, 29875), (222, 29887), (228, 29911), (237, 29953), (269, 30082), (283, 30142), (296, 30199), (310, 30253), (314, 30268), (353, 30370), (355, 30376), (363, 30409), (365, 30412), (373, 30448), (379, 30475), (385, 30505), (435, 30724), (476, 30823), (483, 30847),

Gene: DroogsArmy_34 Start: 29062, Stop: 27602, Start Num: 108

Candidate Starts for DroogsArmy_34:

(40, 29215), (79, 29110), (88, 29095), (Start: 108 @29062 has 217 MA's), (Start: 110 @29056 has 3 MA's), (Start: 114 @29044 has 3 MA's), (115, 29038), (135, 28933), (Start: 136 @28927 has 1 MA's),

(141, 28891), (165, 28789), (173, 28756), (185, 28720), (192, 28687), (229, 28507), (267, 28357), (278, 28312), (310, 28168), (330, 28120), (359, 28039), (362, 28027), (365, 28021), (373, 27985), (384, 27931), (393, 27901), (480, 27613),

Gene: Druantia_33 Start: 26640, Stop: 25126, Start Num: 105

Candidate Starts for Druantia_33:

(Start: 76 @26682 has 1 MA's), (Start: 96 @26649 has 15 MA's), (Start: 105 @26640 has 108 MA's), (137, 26478), (151, 26412), (156, 26394), (173, 26319), (177, 26295), (184, 26256), (185, 26253), (202, 26166), (225, 26052), (228, 26040), (273, 25857), (295, 25746), (307, 25695), (351, 25566), (354, 25557), (373, 25482), (375, 25476), (405, 25353), (414, 25314), (458, 25164), (465, 25149),

Gene: Dublin_29 Start: 25745, Stop: 24252, Start Num: 108

Candidate Starts for Dublin_29:

(Start: 108 @25745 has 217 MA's), (Start: 117 @25712 has 1 MA's), (Start: 118 @25709 has 3 MA's), (Start: 120 @25691 has 4 MA's), (Start: 136 @25610 has 1 MA's), (167, 25466), (173, 25439), (187, 25391), (220, 25226), (225, 25202), (226, 25199), (230, 25178), (244, 25121), (279, 24989), (310, 24848), (323, 24818), (369, 24641), (373, 24629), (393, 24545), (396, 24530), (403, 24515), (442, 24338), (462, 24308), (477, 24275),

Gene: Dubu_44 Start: 35625, Stop: 37253, Start Num: 62

Candidate Starts for Dubu_44:

(Start: 62 @35625 has 1 MA's), (Start: 86 @35694 has 2 MA's), (122, 35805), (123, 35808), (168, 36018), (169, 36021), (213, 36255), (232, 36366), (270, 36486), (297, 36603), (324, 36696), (353, 36798), (356, 36807), (368, 36858), (381, 36909), (382, 36912), (390, 36945), (425, 37065), (429, 37092), (438, 37134), (439, 37137), (440, 37140), (460, 37188),

Gene: Dussy_38 Start: 29615, Stop: 31129, Start Num: 108

Candidate Starts for Dussy_38:

(Start: 54 @29534 has 29 MA's), (Start: 57 @29540 has 3 MA's), (Start: 60 @29546 has 9 MA's), (Start: 61 @29549 has 10 MA's), (Start: 64 @29564 has 1 MA's), (Start: 108 @29615 has 217 MA's), (112, 29627), (153, 29840), (156, 29852), (157, 29861), (165, 29894), (190, 29990), (192, 29999), (193, 30008), (215, 30116), (220, 30137), (222, 30149), (228, 30173), (237, 30215), (269, 30344), (283, 30404), (296, 30461), (304, 30488), (310, 30515), (311, 30518), (314, 30530), (343, 30599), (355, 30638), (363, 30671), (382, 30752), (385, 30767), (435, 30986),

Gene: DustyMartin_38 Start: 26956, Stop: 25430, Start Num: 108

Candidate Starts for DustyMartin_38:

(Start: 100 @26971 has 2 MA's), (Start: 108 @26956 has 217 MA's), (Start: 136 @26821 has 1 MA's), (220, 26440), (226, 26413), (229, 26401), (281, 26161), (286, 26134), (305, 26062), (313, 26023), (331, 25984), (357, 25906), (367, 25867), (369, 25852), (383, 25795), (387, 25774), (412, 25687), (433, 25582), (438, 25561), (440, 25555), (472, 25486),

Gene: Dwayne_50 Start: 36196, Stop: 37809, Start Num: 55

Candidate Starts for Dwayne_50:

(Start: 34 @36130 has 7 MA's), (Start: 53 @36187 has 5 MA's), (Start: 55 @36196 has 24 MA's), (Start: 114 @36343 has 3 MA's), (132, 36442), (Start: 136 @36460 has 1 MA's), (147, 36511), (163, 36592), (164, 36595), (185, 36667), (186, 36676), (187, 36679), (211, 36805), (217, 36832), (233, 36901), (244, 36946), (262, 37015), (271, 37042), (284, 37090), (294, 37138), (305, 37177), (310, 37204), (323, 37234), (363, 37357), (377, 37417), (387, 37462), (421, 37591), (429, 37642), (431, 37651), (440, 37690), (450, 37714), (455, 37729), (461, 37744), (469, 37759),

Gene: Dynamix_38 Start: 29367, Stop: 30950, Start Num: 54

Candidate Starts for Dynamix_38:

(Start: 54 @29367 has 29 MA's), (Start: 57 @29373 has 3 MA's), (Start: 60 @29379 has 9 MA's), (Start: 61 @29382 has 10 MA's), (Start: 64 @29397 has 1 MA's), (Start: 108 @29448 has 217 MA's), (Start: 113 @29463 has 10 MA's), (151, 29667), (153, 29673), (187, 29811), (190, 29823), (192, 29832), (193, 29841), (194, 29847), (211, 29937), (215, 29949), (222, 29982), (263, 30150), (269, 30177), (283, 30237), (296, 30294), (304, 30321), (310, 30348), (314, 30363), (343, 30432), (355, 30471), (363, 30504), (379, 30570), (385, 30600), (402, 30663), (412, 30705), (416, 30720), (435, 30819), (476, 30918), (483, 30942),

Gene: Eaglepride_35 Start: 26850, Stop: 25342, Start Num: 108

Candidate Starts for Eaglepride_35:

(Start: 108 @26850 has 217 MA's), (Start: 110 @26844 has 3 MA's), (115, 26826), (Start: 136 @26715 has 1 MA's), (172, 26550), (211, 26373), (220, 26334), (222, 26322), (225, 26310), (226, 26307), (229, 26295), (281, 26055), (282, 26049), (286, 26028), (298, 25983), (331, 25878), (357, 25800), (360, 25785), (367, 25761), (369, 25746), (383, 25689), (387, 25668), (407, 25602), (438, 25455), (472, 25380),

Gene: Eapen_33 Start: 26635, Stop: 25121, Start Num: 105

Candidate Starts for Eapen_33:

(Start: 76 @26677 has 1 MA's), (Start: 96 @26644 has 15 MA's), (Start: 105 @26635 has 108 MA's), (137, 26473), (151, 26407), (156, 26389), (173, 26314), (177, 26290), (184, 26251), (185, 26248), (202, 26161), (225, 26047), (228, 26035), (273, 25852), (295, 25741), (307, 25690), (351, 25561), (354, 25552), (373, 25477), (375, 25471), (405, 25348), (414, 25309), (458, 25159), (465, 25144),

Gene: Edison31_34 Start: 26880, Stop: 25372, Start Num: 108

Candidate Starts for Edison31_34:

(Start: 108 @26880 has 217 MA's), (Start: 110 @26874 has 3 MA's), (Start: 114 @26862 has 3 MA's), (115, 26856), (131, 26769), (Start: 136 @26745 has 1 MA's), (172, 26580), (211, 26403), (220, 26364), (222, 26352), (225, 26340), (226, 26337), (229, 26325), (282, 26079), (286, 26058), (331, 25908), (357, 25830), (360, 25815), (367, 25791), (369, 25776), (383, 25719), (387, 25698), (449, 25464),

Gene: Edtherson_38 Start: 30287, Stop: 31789, Start Num: 108

Candidate Starts for Edtherson_38:

(Start: 54 @30206 has 29 MA's), (Start: 57 @30212 has 3 MA's), (Start: 60 @30218 has 9 MA's), (Start: 61 @30221 has 10 MA's), (Start: 64 @30236 has 1 MA's), (Start: 108 @30287 has 217 MA's), (Start: 113 @30302 has 10 MA's), (151, 30506), (153, 30512), (157, 30533), (190, 30662), (192, 30671), (193, 30680), (215, 30788), (220, 30809), (222, 30821), (228, 30845), (237, 30887), (269, 31016), (283, 31076), (296, 31133), (304, 31160), (310, 31187), (314, 31202), (343, 31271), (355, 31310), (363, 31343), (382, 31424), (385, 31439), (412, 31544), (435, 31658), (476, 31757), (483, 31781),

Gene: Ejemplo_49 Start: 36125, Stop: 37747, Start Num: 53

Candidate Starts for Ejemplo_49:

(Start: 34 @36068 has 7 MA's), (Start: 53 @36125 has 5 MA's), (Start: 55 @36134 has 24 MA's), (Start: 114 @36281 has 3 MA's), (132, 36380), (Start: 136 @36398 has 1 MA's), (147, 36449), (163, 36530), (164, 36533), (185, 36605), (186, 36614), (187, 36617), (211, 36743), (217, 36770), (233, 36839), (244, 36884), (262, 36953), (271, 36980), (284, 37028), (294, 37076), (305, 37115), (323, 37172), (363, 37295), (377, 37355), (387, 37400), (421, 37529), (429, 37580), (431, 37589), (440, 37628), (450, 37652), (455, 37667), (461, 37682), (469, 37697),

Gene: ElTiger69_31 Start: 25415, Stop: 23934, Start Num: 108

Candidate Starts for ElTiger69_31:

(84, 25442), (Start: 108 @25415 has 217 MA's), (Start: 118 @25379 has 3 MA's), (Start: 136 @25280 has 1 MA's), (141, 25244), (153, 25196), (161, 25154), (169, 25130), (175, 25103), (186, 25064), (192,

25040), (194, 25025), (220, 24896), (288, 24602), (293, 24584), (302, 24557), (307, 24527), (314, 24503), (323, 24488), (345, 24428), (358, 24377), (359, 24368), (373, 24314), (380, 24281), (396, 24215), (414, 24152), (442, 24023), (480, 23945),

Gene: Elezi_48 Start: 35958, Stop: 37379, Start Num: 104

Candidate Starts for Elezi_48:

(91, 35940), (101, 35955), (Start: 104 @35958 has 34 MA's), (Start: 108 @35967 has 217 MA's), (131, 36081), (Start: 136 @36105 has 1 MA's), (153, 36189), (159, 36222), (163, 36237), (183, 36300), (187, 36312), (189, 36321), (208, 36420), (216, 36462), (228, 36513), (237, 36552), (267, 36630), (272, 36657), (367, 37017), (368, 37026), (370, 37035), (374, 37047), (422, 37218), (437, 37305),

Gene: Elfy_51 Start: 33960, Stop: 35375, Start Num: 108

Candidate Starts for Elfy_51:

(Start: 108 @33960 has 217 MA's), (160, 34215), (169, 34245), (183, 34290), (187, 34302), (191, 34320), (193, 34332), (198, 34359), (200, 34365), (201, 34371), (226, 34494), (230, 34515), (237, 34542), (239, 34548), (243, 34569), (287, 34722), (290, 34734), (319, 34839), (321, 34845), (334, 34887), (361, 34986), (370, 35025), (379, 35055), (380, 35061), (382, 35070), (390, 35103), (415, 35184), (422, 35208), (423, 35211), (439, 35307), (466, 35367),

Gene: Emaanora_53 Start: 36119, Stop: 37732, Start Num: 55

Candidate Starts for Emaanora_53:

(Start: 34 @36053 has 7 MA's), (Start: 53 @36110 has 5 MA's), (Start: 55 @36119 has 24 MA's), (Start: 114 @36266 has 3 MA's), (132, 36365), (Start: 136 @36383 has 1 MA's), (147, 36434), (163, 36515), (164, 36518), (185, 36590), (186, 36599), (187, 36602), (211, 36728), (217, 36755), (233, 36824), (244, 36869), (262, 36938), (271, 36965), (284, 37013), (294, 37061), (305, 37100), (310, 37127), (323, 37157), (363, 37280), (377, 37340), (387, 37385), (421, 37514), (429, 37565), (431, 37574), (440, 37613), (450, 37637), (455, 37652), (461, 37667), (469, 37682),

Gene: Eraser_48 Start: 35968, Stop: 37389, Start Num: 104

Candidate Starts for Eraser_48:

(91, 35950), (101, 35965), (Start: 104 @35968 has 34 MA's), (Start: 108 @35977 has 217 MA's), (131, 36091), (Start: 136 @36115 has 1 MA's), (153, 36199), (159, 36232), (163, 36247), (183, 36310), (187, 36322), (189, 36331), (208, 36430), (216, 36472), (228, 36523), (237, 36562), (267, 36640), (272, 36667), (367, 37027), (368, 37036), (370, 37045), (374, 37057), (422, 37228), (437, 37315),

Gene: Erik_29 Start: 23479, Stop: 22139, Start Num: 136

Candidate Starts for Erik_29:

(Start: 136 @23479 has 1 MA's), (145, 23431), (192, 23239), (213, 23128), (226, 23068), (229, 23056), (243, 22993), (251, 22963), (259, 22930), (266, 22909), (272, 22879), (277, 22864), (279, 22858), (286, 22810), (294, 22777), (307, 22720), (323, 22681), (325, 22675), (358, 22579), (366, 22546), (370, 22525), (373, 22516), (414, 22354),

Gene: Eris_32 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for Eris_32:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Eros_33 Start: 26648, Stop: 25125, Start Num: 96

Candidate Starts for Eros_33:

(Start: 76 @26681 has 1 MA's), (Start: 96 @26648 has 15 MA's), (Start: 105 @26639 has 108 MA's), (137, 26477), (151, 26411), (156, 26393), (173, 26318), (177, 26294), (184, 26255), (185, 26252),

(202, 26165), (225, 26051), (228, 26039), (273, 25856), (295, 25745), (307, 25694), (351, 25565), (354, 25556), (373, 25481), (375, 25475), (405, 25352), (414, 25313), (458, 25163), (465, 25148),

Gene: Espica_29 Start: 23636, Stop: 22140, Start Num: 93

Candidate Starts for Espica_29:

(Start: 93 @23636 has 32 MA's), (Start: 108 @23615 has 217 MA's), (Start: 110 @23609 has 3 MA's), (Start: 136 @23480 has 1 MA's), (145, 23432), (164, 23345), (192, 23240), (213, 23129), (219, 23099), (226, 23069), (229, 23057), (243, 22994), (251, 22964), (259, 22931), (266, 22910), (272, 22880), (277, 22865), (279, 22859), (286, 22811), (294, 22778), (307, 22721), (323, 22682), (325, 22676), (358, 22580), (366, 22547), (370, 22526), (373, 22517), (414, 22355),

Gene: Espresso_37 Start: 29637, Stop: 31136, Start Num: 108

Candidate Starts for Espresso_37:

(Start: 54 @29556 has 29 MA's), (Start: 57 @29562 has 3 MA's), (Start: 60 @29568 has 9 MA's), (Start: 61 @29571 has 10 MA's), (Start: 64 @29586 has 1 MA's), (Start: 108 @29637 has 217 MA's), (Start: 113 @29652 has 10 MA's), (115, 29661), (153, 29862), (156, 29874), (190, 30012), (192, 30021), (193, 30030), (194, 30036), (215, 30138), (220, 30159), (222, 30171), (228, 30195), (269, 30366), (283, 30426), (296, 30483), (310, 30537), (311, 30540), (314, 30552), (363, 30690), (373, 30729), (379, 30756), (385, 30786), (412, 30891), (435, 31005), (476, 31104), (483, 31128),

Gene: EtoileNova_34 Start: 27227, Stop: 25725, Start Num: 110

Candidate Starts for EtoileNova_34:

(Start: 100 @27248 has 2 MA's), (Start: 108 @27233 has 217 MA's), (Start: 110 @27227 has 3 MA's), (Start: 111 @27224 has 2 MA's), (143, 27056), (145, 27050), (172, 26933), (189, 26873), (211, 26756), (220, 26717), (226, 26690), (229, 26678), (255, 26543), (291, 26390), (313, 26300), (331, 26261), (359, 26171), (369, 26129), (373, 26117), (383, 26072), (387, 26051), (438, 25838), (449, 25817),

Gene: Euphoria_37 Start: 29484, Stop: 30986, Start Num: 108

Candidate Starts for Euphoria_37:

(Start: 54 @29403 has 29 MA's), (Start: 57 @29409 has 3 MA's), (Start: 60 @29415 has 9 MA's), (Start: 61 @29418 has 10 MA's), (Start: 64 @29433 has 1 MA's), (Start: 108 @29484 has 217 MA's), (Start: 113 @29499 has 10 MA's), (151, 29703), (153, 29709), (190, 29859), (192, 29868), (193, 29877), (215, 29985), (220, 30006), (222, 30018), (228, 30042), (237, 30084), (269, 30213), (283, 30273), (296, 30330), (304, 30357), (310, 30384), (311, 30387), (314, 30399), (355, 30507), (363, 30540), (382, 30621), (385, 30636), (412, 30741), (435, 30855), (438, 30867), (476, 30954), (483, 30978),

Gene: Euratis_57 Start: 38667, Stop: 40322, Start Num: 74

Candidate Starts for Euratis_57:

(Start: 74 @38667 has 3 MA's), (Start: 98 @38712 has 1 MA's), (Start: 105 @38721 has 108 MA's), (109, 38733), (Start: 116 @38763 has 3 MA's), (152, 38949), (153, 38952), (159, 38985), (161, 38994), (171, 39033), (185, 39099), (187, 39111), (199, 39171), (203, 39189), (205, 39198), (211, 39240), (231, 39327), (275, 39525), (277, 39537), (279, 39555), (282, 39582), (292, 39627), (295, 39639), (306, 39693), (310, 39705), (323, 39735), (353, 39834), (368, 39894), (387, 39978), (420, 40095), (422, 40101), (432, 40167), (459, 40245), (465, 40257),

Gene: Expelliarmus_29 Start: 24979, Stop: 23477, Start Num: 105

Candidate Starts for Expelliarmus_29:

(66, 25048), (Start: 76 @25021 has 1 MA's), (82, 25015), (Start: 105 @24979 has 108 MA's), (Start: 136 @24829 has 1 MA's), (157, 24724), (173, 24658), (176, 24640), (184, 24598), (185, 24595), (202, 24508), (208, 24475), (228, 24382), (250, 24289), (263, 24241), (273, 24199), (284, 24139), (307, 24037), (351, 23902), (369, 23830), (395, 23725), (404, 23698), (405, 23689), (432, 23566), (441, 23536), (452, 23518),

Gene: Eyeball_37 Start: 29191, Stop: 30690, Start Num: 108

Candidate Starts for Eyeball_37:

(Start: 54 @29110 has 29 MA's), (Start: 57 @29116 has 3 MA's), (Start: 60 @29122 has 9 MA's),
(Start: 61 @29125 has 10 MA's), (Start: 64 @29140 has 1 MA's), (Start: 108 @29191 has 217 MA's),
(151, 29410), (153, 29416), (157, 29437), (190, 29566), (192, 29575), (193, 29584), (215, 29692),
(220, 29713), (222, 29725), (228, 29749), (237, 29791), (269, 29920), (283, 29980), (296, 30037),
(304, 30064), (310, 30091), (311, 30094), (314, 30106), (353, 30205), (363, 30244), (382, 30325),
(385, 30340), (412, 30445), (435, 30559), (476, 30658), (483, 30682),

Gene: Fajezeel_39 Start: 29706, Stop: 31220, Start Num: 108

Candidate Starts for Fajezeel_39:

(Start: 54 @29625 has 29 MA's), (Start: 57 @29631 has 3 MA's), (Start: 60 @29637 has 9 MA's),
(Start: 61 @29640 has 10 MA's), (Start: 64 @29655 has 1 MA's), (Start: 108 @29706 has 217 MA's),
(Start: 113 @29721 has 10 MA's), (151, 29925), (153, 29931), (157, 29952), (187, 30069), (190,
30081), (192, 30090), (193, 30099), (215, 30207), (220, 30228), (222, 30240), (228, 30264), (237,
30306), (269, 30435), (283, 30495), (296, 30552), (304, 30579), (310, 30606), (311, 30609), (314,
30621), (343, 30690), (353, 30723), (355, 30729), (363, 30762), (382, 30843), (385, 30858), (412,
30963), (435, 31077),

Gene: Fascinus_36 Start: 28964, Stop: 30466, Start Num: 108

Candidate Starts for Fascinus_36:

(44, 28859), (Start: 50 @28871 has 1 MA's), (Start: 54 @28883 has 29 MA's), (Start: 57 @28889 has 3
MA's), (Start: 60 @28895 has 9 MA's), (Start: 61 @28898 has 10 MA's), (Start: 64 @28913 has 1
MA's), (Start: 108 @28964 has 217 MA's), (151, 29183), (153, 29189), (157, 29210), (190, 29339),
(192, 29348), (193, 29357), (215, 29465), (220, 29486), (222, 29498), (228, 29522), (237, 29564),
(269, 29693), (283, 29753), (296, 29810), (304, 29837), (310, 29864), (311, 29867), (314, 29879),
(343, 29948), (355, 29987), (363, 30020), (382, 30101), (385, 30116), (412, 30221), (435, 30335),
(476, 30434), (483, 30458),

Gene: FatCactus_32 Start: 25084, Stop: 23525, Start Num: 105

Candidate Starts for FatCactus_32:

(43, 25234), (44, 25231), (Start: 103 @25087 has 3 MA's), (Start: 105 @25084 has 108 MA's), (Start:
117 @25039 has 1 MA's), (Start: 136 @24934 has 1 MA's), (173, 24763), (174, 24757), (185, 24691),
(186, 24682), (191, 24661), (208, 24571), (213, 24547), (216, 24529), (222, 24502), (235, 24445),
(243, 24412), (250, 24385), (252, 24379), (265, 24331), (266, 24328), (278, 24280), (280, 24274),
(282, 24253), (310, 24136), (319, 24106), (351, 24022), (376, 23929), (380, 23905), (405, 23809),
(429, 23695), (432, 23677), (440, 23647), (444, 23638), (451, 23623), (473, 23569), (479, 23554),

Gene: Fenn_38 Start: 31030, Stop: 32544, Start Num: 108

Candidate Starts for Fenn_38:

(Start: 54 @30949 has 29 MA's), (Start: 57 @30955 has 3 MA's), (Start: 60 @30961 has 9 MA's),
(Start: 61 @30964 has 10 MA's), (Start: 64 @30979 has 1 MA's), (Start: 108 @31030 has 217 MA's),
(153, 31255), (157, 31276), (187, 31393), (190, 31405), (192, 31414), (193, 31423), (215, 31531),
(220, 31552), (222, 31564), (228, 31588), (237, 31630), (269, 31759), (283, 31819), (296, 31876),
(310, 31930), (314, 31945), (355, 32053), (363, 32086), (365, 32089), (382, 32167), (385, 32182),
(386, 32188), (435, 32401), (438, 32413),

Gene: Floof_64 Start: 39661, Stop: 41214, Start Num: 74

Candidate Starts for Floof_64:

(Start: 69 @39643 has 1 MA's), (Start: 74 @39661 has 3 MA's), (Start: 86 @39679 has 2 MA's), (Start:
120 @39766 has 4 MA's), (Start: 130 @39820 has 1 MA's), (146, 39886), (147, 39892), (156, 39934),
(192, 40114), (196, 40138), (237, 40336), (241, 40348), (287, 40603), (346, 40783), (352, 40807),

(357, 40819), (390, 40963), (399, 40987), (426, 41098),

Gene: Florean_33 Start: 26636, Stop: 25122, Start Num: 105

Candidate Starts for Florean_33:

(Start: 76 @26678 has 1 MA's), (Start: 96 @26645 has 15 MA's), (Start: 105 @26636 has 108 MA's), (137, 26474), (151, 26408), (156, 26390), (173, 26315), (177, 26291), (184, 26252), (185, 26249), (202, 26162), (225, 26048), (228, 26036), (273, 25853), (295, 25742), (307, 25691), (351, 25562), (354, 25553), (373, 25478), (375, 25472), (405, 25349), (414, 25310), (458, 25160), (465, 25145),

Gene: Florence1_30 Start: 25514, Stop: 24075, Start Num: 120

Candidate Starts for Florence1_30:

(Start: 108 @25568 has 217 MA's), (Start: 117 @25535 has 1 MA's), (Start: 118 @25532 has 3 MA's), (Start: 120 @25514 has 4 MA's), (Start: 136 @25433 has 1 MA's), (167, 25289), (173, 25262), (187, 25214), (220, 25049), (225, 25025), (226, 25022), (230, 25001), (279, 24812), (310, 24671), (323, 24641), (369, 24464), (373, 24452), (393, 24368), (396, 24353), (403, 24338), (442, 24161), (462, 24131), (477, 24098),

Gene: Florence4_31 Start: 25514, Stop: 24075, Start Num: 120

Candidate Starts for Florence4_31:

(Start: 108 @25568 has 217 MA's), (Start: 117 @25535 has 1 MA's), (Start: 118 @25532 has 3 MA's), (Start: 120 @25514 has 4 MA's), (Start: 136 @25433 has 1 MA's), (167, 25289), (173, 25262), (187, 25214), (220, 25049), (225, 25025), (226, 25022), (230, 25001), (279, 24812), (310, 24671), (323, 24641), (369, 24464), (373, 24452), (393, 24368), (396, 24353), (403, 24338), (442, 24161), (462, 24131), (477, 24098),

Gene: Flutur_49 Start: 35547, Stop: 36965, Start Num: 104

Candidate Starts for Flutur_49:

(91, 35529), (101, 35544), (Start: 104 @35547 has 34 MA's), (Start: 108 @35556 has 217 MA's), (131, 35670), (153, 35778), (183, 35889), (187, 35901), (189, 35910), (208, 36009), (228, 36102), (230, 36114), (237, 36141), (272, 36246), (284, 36300), (370, 36621), (374, 36633), (382, 36666), (422, 36804),

Gene: Flux_33 Start: 26681, Stop: 25125, Start Num: 76

Candidate Starts for Flux_33:

(Start: 76 @26681 has 1 MA's), (Start: 96 @26648 has 15 MA's), (Start: 105 @26639 has 108 MA's), (137, 26477), (151, 26411), (156, 26393), (173, 26318), (177, 26294), (184, 26255), (185, 26252), (202, 26165), (225, 26051), (228, 26039), (273, 25856), (295, 25745), (307, 25694), (351, 25565), (354, 25556), (373, 25481), (375, 25475), (405, 25352), (414, 25313), (458, 25163), (465, 25148),

Gene: FlyCatcher_36 Start: 28870, Stop: 27362, Start Num: 108

Candidate Starts for FlyCatcher_36:

(Start: 100 @28885 has 2 MA's), (Start: 108 @28870 has 217 MA's), (137, 28723), (172, 28570), (189, 28510), (211, 28393), (220, 28354), (225, 28330), (226, 28327), (229, 28315), (255, 28180), (282, 28069), (286, 28048), (291, 28027), (313, 27937), (330, 27901), (331, 27898), (353, 27832), (359, 27808), (367, 27781), (369, 27766), (373, 27754), (380, 27721), (387, 27688), (433, 27496), (438, 27475), (449, 27454), (472, 27400),

Gene: ForGetIt_30 Start: 25711, Stop: 24218, Start Num: 108

Candidate Starts for ForGetIt_30:

(Start: 108 @25711 has 217 MA's), (Start: 117 @25678 has 1 MA's), (Start: 118 @25675 has 3 MA's), (Start: 120 @25657 has 4 MA's), (Start: 136 @25576 has 1 MA's), (167, 25432), (173, 25405), (187, 25357), (220, 25192), (225, 25168), (226, 25165), (230, 25144), (279, 24955), (323, 24784), (359, 24649), (369, 24607), (373, 24595), (393, 24511), (396, 24496), (403, 24481), (442, 24304), (462,

24274), (477, 24241),

Gene: Forester_56 Start: 39179, Stop: 40756, Start Num: 69

Candidate Starts for Forester_56:

(Start: 69 @39179 has 1 MA's), (Start: 74 @39197 has 3 MA's), (Start: 86 @39218 has 2 MA's), (Start: 120 @39308 has 4 MA's), (Start: 130 @39362 has 1 MA's), (147, 39434), (192, 39656), (196, 39680), (197, 39683), (223, 39821), (237, 39878), (241, 39890), (331, 40271), (346, 40325), (352, 40349), (357, 40361), (382, 40472), (390, 40505), (399, 40529), (426, 40640), (456, 40748),

Gene: Forsytheast_37 Start: 29539, Stop: 31122, Start Num: 54

Candidate Starts for Forsytheast_37:

(Start: 54 @29539 has 29 MA's), (Start: 57 @29545 has 3 MA's), (Start: 60 @29551 has 9 MA's), (Start: 61 @29554 has 10 MA's), (Start: 64 @29569 has 1 MA's), (Start: 108 @29620 has 217 MA's), (Start: 113 @29635 has 10 MA's), (115, 29644), (151, 29839), (153, 29845), (156, 29857), (157, 29866), (190, 29995), (192, 30004), (193, 30013), (215, 30121), (220, 30142), (222, 30154), (228, 30178), (269, 30349), (283, 30409), (296, 30466), (310, 30520), (311, 30523), (314, 30535), (355, 30643), (363, 30676), (373, 30715), (382, 30757), (385, 30772), (435, 30991), (476, 31090), (483, 31114),

Gene: Francis47_37 Start: 30069, Stop: 31553, Start Num: 113

Candidate Starts for Francis47_37:

(Start: 54 @29973 has 29 MA's), (Start: 57 @29979 has 3 MA's), (Start: 60 @29985 has 9 MA's), (Start: 61 @29988 has 10 MA's), (Start: 64 @30003 has 1 MA's), (Start: 108 @30054 has 217 MA's), (Start: 113 @30069 has 10 MA's), (151, 30273), (153, 30279), (157, 30300), (190, 30429), (192, 30438), (193, 30447), (215, 30555), (220, 30576), (222, 30588), (228, 30612), (269, 30783), (283, 30843), (296, 30900), (304, 30927), (310, 30954), (311, 30957), (314, 30969), (353, 31068), (363, 31107), (365, 31110), (382, 31188), (385, 31203), (435, 31422), (476, 31521), (483, 31545),

Gene: Froghopper_37 Start: 28895, Stop: 30478, Start Num: 54

Candidate Starts for Froghopper_37:

(Start: 54 @28895 has 29 MA's), (Start: 57 @28901 has 3 MA's), (Start: 60 @28907 has 9 MA's), (Start: 61 @28910 has 10 MA's), (Start: 64 @28925 has 1 MA's), (Start: 108 @28976 has 217 MA's), (153, 29201), (190, 29351), (192, 29360), (193, 29369), (215, 29477), (220, 29498), (222, 29510), (228, 29534), (269, 29705), (283, 29765), (296, 29822), (310, 29876), (311, 29879), (314, 29891), (343, 29960), (355, 29999), (363, 30032), (382, 30113), (385, 30128), (412, 30233), (435, 30347), (438, 30359), (476, 30446), (483, 30470),

Gene: Funston_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for Funston_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: GMonster_36 Start: 28786, Stop: 30288, Start Num: 108

Candidate Starts for GMonster_36:

(Start: 54 @28705 has 29 MA's), (Start: 57 @28711 has 3 MA's), (Start: 60 @28717 has 9 MA's), (Start: 61 @28720 has 10 MA's), (Start: 64 @28735 has 1 MA's), (Start: 108 @28786 has 217 MA's), (Start: 111 @28795 has 2 MA's), (Start: 113 @28801 has 10 MA's), (115, 28810), (151, 29005), (153, 29011), (157, 29032), (190, 29161), (192, 29170), (193, 29179), (215, 29287), (220, 29308), (222, 29320), (228, 29344), (269, 29515), (283, 29575), (296, 29632), (304, 29659), (310, 29686), (311, 29689), (314, 29701), (355, 29809), (363, 29842), (382, 29923), (385, 29938), (412, 30043), (435, 30157), (438, 30169), (476, 30256), (483, 30280),

Gene: Gachnar_39 Start: 29558, Stop: 31060, Start Num: 108

Candidate Starts for Gachnar_39:

(Start: 54 @29477 has 29 MA's), (Start: 57 @29483 has 3 MA's), (Start: 60 @29489 has 9 MA's),
(Start: 61 @29492 has 10 MA's), (Start: 64 @29507 has 1 MA's), (Start: 108 @29558 has 217 MA's),
(153, 29783), (165, 29837), (190, 29933), (192, 29942), (193, 29951), (215, 30059), (220, 30080),
(222, 30092), (228, 30116), (237, 30158), (269, 30287), (283, 30347), (296, 30404), (304, 30431),
(310, 30458), (314, 30473), (355, 30581), (363, 30614), (375, 30659), (382, 30695), (385, 30710),
(412, 30815), (435, 30929), (476, 31028), (483, 31052),

Gene: Gadost_33 Start: 26641, Stop: 25127, Start Num: 105

Candidate Starts for Gadost_33:

(Start: 76 @26683 has 1 MA's), (Start: 96 @26650 has 15 MA's), (Start: 105 @26641 has 108 MA's),
(137, 26479), (151, 26413), (156, 26395), (173, 26320), (177, 26296), (184, 26257), (185, 26254),
(202, 26167), (225, 26053), (228, 26041), (273, 25858), (295, 25747), (307, 25696), (351, 25567),
(354, 25558), (373, 25483), (375, 25477), (405, 25354), (414, 25315), (458, 25165), (465, 25150),

Gene: GageAP_39 Start: 29769, Stop: 31271, Start Num: 108

Candidate Starts for GageAP_39:

(39, 29655), (Start: 54 @29688 has 29 MA's), (Start: 57 @29694 has 3 MA's), (Start: 60 @29700 has 9 MA's),
(Start: 61 @29703 has 10 MA's), (Start: 64 @29718 has 1 MA's), (Start: 108 @29769 has 217 MA's),
(151, 29988), (153, 29994), (157, 30015), (190, 30144), (192, 30153), (193, 30162), (215, 30270),
(220, 30291), (222, 30303), (228, 30327), (237, 30369), (269, 30498), (283, 30558), (296, 30615),
(304, 30642), (310, 30669), (311, 30672), (314, 30684), (343, 30753), (355, 30792), (363, 30825),
(382, 30906), (385, 30921), (435, 31140), (438, 31152), (476, 31239), (483, 31263),

Gene: Gambol_44 Start: 31430, Stop: 32869, Start Num: 107

Candidate Starts for Gambol_44:

(Start: 107 @31430 has 20 MA's), (Start: 130 @31541 has 1 MA's), (132, 31550), (147, 31613), (151, 31637),
(154, 31646), (187, 31796), (189, 31805), (218, 31961), (220, 31967), (226, 31994), (241, 32054),
(284, 32228), (286, 32243), (322, 32351), (376, 32534), (438, 32798), (445, 32813), (446, 32816),

Gene: Gandalf20_38 Start: 30239, Stop: 31741, Start Num: 108

Candidate Starts for Gandalf20_38:

(Start: 54 @30158 has 29 MA's), (Start: 57 @30164 has 3 MA's), (Start: 60 @30170 has 9 MA's),
(Start: 61 @30173 has 10 MA's), (Start: 64 @30188 has 1 MA's), (Start: 108 @30239 has 217 MA's),
(112, 30251), (153, 30464), (156, 30476), (157, 30485), (165, 30518), (190, 30614), (192, 30623),
(193, 30632), (215, 30740), (220, 30761), (222, 30773), (228, 30797), (237, 30839), (269, 30968),
(283, 31028), (296, 31085), (304, 31112), (310, 31139), (311, 31142), (314, 31154), (343, 31223),
(353, 31256), (355, 31262), (363, 31295), (382, 31376), (385, 31391), (412, 31496), (435, 31610),
(476, 31709), (483, 31733),

Gene: GardenState_58 Start: 37501, Stop: 38922, Start Num: 97

Candidate Starts for GardenState_58:

(Start: 97 @37501 has 3 MA's), (187, 37861), (226, 38053), (228, 38062), (263, 38167), (328, 38401),
(340, 38440), (390, 38641), (399, 38665), (406, 38686), (433, 38812), (465, 38899),

Gene: George_29 Start: 25777, Stop: 24284, Start Num: 108

Candidate Starts for George_29:

(Start: 108 @25777 has 217 MA's), (Start: 117 @25744 has 1 MA's), (Start: 118 @25741 has 3 MA's),
(Start: 120 @25723 has 4 MA's), (Start: 136 @25642 has 1 MA's), (167, 25498), (173, 25471), (187, 25423),
(220, 25258), (225, 25234), (226, 25231), (230, 25210), (279, 25021), (310, 24880), (323,

24850), (369, 24673), (373, 24661), (393, 24577), (396, 24562), (403, 24547), (442, 24370), (462, 24340), (477, 24307),

Gene: Ghoulboy_30 Start: 25972, Stop: 24533, Start Num: 120

Candidate Starts for Ghoulboy_30:

(Start: 108 @26026 has 217 MA's), (Start: 117 @25993 has 1 MA's), (Start: 118 @25990 has 3 MA's), (Start: 120 @25972 has 4 MA's), (Start: 136 @25891 has 1 MA's), (160, 25771), (167, 25747), (173, 25720), (187, 25672), (220, 25507), (225, 25483), (226, 25480), (230, 25459), (244, 25402), (279, 25270), (310, 25129), (323, 25099), (359, 24964), (369, 24922), (373, 24910), (393, 24826), (396, 24811), (403, 24796), (442, 24619), (462, 24589),

Gene: Giorgio_42 Start: 31348, Stop: 32787, Start Num: 107

Candidate Starts for Giorgio_42:

(Start: 107 @31348 has 20 MA's), (Start: 130 @31459 has 1 MA's), (132, 31468), (147, 31531), (151, 31555), (154, 31564), (187, 31714), (189, 31723), (218, 31879), (220, 31885), (226, 31912), (284, 32146), (286, 32161), (322, 32269), (398, 32539), (438, 32716), (445, 32731), (446, 32734),

Gene: Goby_50 Start: 35136, Stop: 36713, Start Num: 55

Candidate Starts for Goby_50:

(Start: 34 @35070 has 7 MA's), (Start: 55 @35136 has 24 MA's), (Start: 114 @35256 has 3 MA's), (132, 35355), (Start: 136 @35373 has 1 MA's), (147, 35424), (163, 35505), (164, 35508), (185, 35580), (186, 35589), (187, 35592), (230, 35802), (231, 35805), (233, 35814), (294, 36042), (310, 36108), (323, 36138), (358, 36237), (363, 36261), (366, 36270), (371, 36294), (387, 36366), (431, 36555), (437, 36585), (440, 36594), (450, 36618), (455, 36633), (461, 36648),

Gene: Godpower_51 Start: 35115, Stop: 36692, Start Num: 55

Candidate Starts for Godpower_51:

(Start: 34 @35049 has 7 MA's), (Start: 55 @35115 has 24 MA's), (Start: 114 @35235 has 3 MA's), (132, 35334), (Start: 136 @35352 has 1 MA's), (147, 35403), (163, 35484), (164, 35487), (185, 35559), (186, 35568), (187, 35571), (217, 35724), (230, 35781), (231, 35784), (233, 35793), (294, 36021), (310, 36087), (323, 36117), (358, 36216), (363, 36240), (366, 36249), (371, 36273), (387, 36345), (431, 36534), (440, 36573), (450, 36597), (455, 36612), (461, 36627),

Gene: Gollum_29 Start: 23636, Stop: 22140, Start Num: 93

Candidate Starts for Gollum_29:

(Start: 93 @23636 has 32 MA's), (Start: 108 @23615 has 217 MA's), (Start: 110 @23609 has 3 MA's), (Start: 136 @23480 has 1 MA's), (145, 23432), (192, 23240), (199, 23201), (213, 23129), (226, 23069), (229, 23057), (243, 22994), (251, 22964), (259, 22931), (266, 22910), (272, 22880), (277, 22865), (279, 22859), (286, 22811), (294, 22778), (307, 22721), (323, 22682), (325, 22676), (358, 22580), (366, 22547), (370, 22526), (373, 22517), (414, 22355),

Gene: Gompeii16_37 Start: 29884, Stop: 31383, Start Num: 108

Candidate Starts for Gompeii16_37:

(Start: 54 @29803 has 29 MA's), (Start: 57 @29809 has 3 MA's), (Start: 60 @29815 has 9 MA's), (Start: 61 @29818 has 10 MA's), (Start: 64 @29833 has 1 MA's), (Start: 108 @29884 has 217 MA's), (Start: 113 @29899 has 10 MA's), (115, 29908), (151, 30103), (153, 30109), (157, 30130), (190, 30259), (192, 30268), (193, 30277), (215, 30385), (220, 30406), (222, 30418), (228, 30442), (269, 30613), (283, 30673), (296, 30730), (304, 30757), (310, 30784), (311, 30787), (314, 30799), (353, 30898), (363, 30937), (365, 30940), (382, 31018), (385, 31033), (435, 31252), (476, 31351), (483, 31375),

Gene: Graduation_39 Start: 30062, Stop: 31606, Start Num: 71

Candidate Starts for Graduation_39:

(Start: 71 @30062 has 3 MA's), (Start: 108 @30107 has 217 MA's), (Start: 113 @30122 has 10 MA's), (115, 30131), (137, 30254), (151, 30326), (153, 30332), (165, 30386), (190, 30482), (192, 30491), (193, 30500), (215, 30608), (220, 30629), (222, 30641), (228, 30665), (237, 30707), (269, 30836), (283, 30896), (296, 30953), (304, 30980), (310, 31007), (311, 31010), (314, 31022), (353, 31121), (363, 31160), (382, 31241), (385, 31256), (412, 31361), (435, 31475), (438, 31487), (476, 31574), (483, 31598),

Gene: GrecoEtereo_39 Start: 30180, Stop: 31682, Start Num: 108

Candidate Starts for GrecoEtereo_39:

(Start: 54 @30099 has 29 MA's), (Start: 57 @30105 has 3 MA's), (Start: 60 @30111 has 9 MA's), (Start: 61 @30114 has 10 MA's), (Start: 64 @30129 has 1 MA's), (Start: 108 @30180 has 217 MA's), (Start: 113 @30195 has 10 MA's), (153, 30405), (190, 30555), (192, 30564), (193, 30573), (215, 30681), (220, 30702), (222, 30714), (228, 30738), (237, 30780), (269, 30909), (283, 30969), (296, 31026), (310, 31080), (314, 31095), (343, 31164), (353, 31197), (355, 31203), (363, 31236), (365, 31239), (382, 31317), (385, 31332), (412, 31437), (435, 31551), (476, 31650), (483, 31674),

Gene: Greg_39 Start: 29706, Stop: 31220, Start Num: 108

Candidate Starts for Greg_39:

(Start: 54 @29625 has 29 MA's), (Start: 57 @29631 has 3 MA's), (Start: 60 @29637 has 9 MA's), (Start: 61 @29640 has 10 MA's), (Start: 64 @29655 has 1 MA's), (Start: 108 @29706 has 217 MA's), (Start: 113 @29721 has 10 MA's), (151, 29925), (153, 29931), (157, 29952), (187, 30069), (190, 30081), (192, 30090), (193, 30099), (215, 30207), (220, 30228), (222, 30240), (228, 30264), (237, 30306), (269, 30435), (283, 30495), (296, 30552), (304, 30579), (310, 30606), (311, 30609), (314, 30621), (343, 30690), (353, 30723), (355, 30729), (363, 30762), (382, 30843), (385, 30858), (412, 30963), (435, 31077),

Gene: GrimEater_48 Start: 33306, Stop: 34718, Start Num: 108

Candidate Starts for GrimEater_48:

(Start: 108 @33306 has 217 MA's), (159, 33558), (183, 33636), (187, 33648), (193, 33678), (198, 33705), (200, 33711), (243, 33915), (260, 33948), (272, 33996), (319, 34185), (321, 34191), (351, 34296), (367, 34353), (369, 34368), (403, 34482), (422, 34554), (440, 34653),

Gene: GroundGoblin_39 Start: 30857, Stop: 32359, Start Num: 108

Candidate Starts for GroundGoblin_39:

(Start: 54 @30776 has 29 MA's), (Start: 57 @30782 has 3 MA's), (Start: 60 @30788 has 9 MA's), (Start: 61 @30791 has 10 MA's), (Start: 64 @30806 has 1 MA's), (Start: 108 @30857 has 217 MA's), (151, 31076), (153, 31082), (156, 31094), (157, 31103), (187, 31220), (190, 31232), (192, 31241), (193, 31250), (211, 31346), (215, 31358), (220, 31379), (222, 31391), (228, 31415), (269, 31586), (283, 31646), (296, 31703), (304, 31730), (310, 31757), (314, 31772), (343, 31841), (355, 31880), (363, 31913), (382, 31994), (385, 32009), (412, 32114), (435, 32228), (476, 32327), (483, 32351),

Gene: Groundhog_29 Start: 24980, Stop: 23478, Start Num: 105

Candidate Starts for Groundhog_29:

(66, 25052), (Start: 76 @25022 has 1 MA's), (82, 25016), (Start: 105 @24980 has 108 MA's), (Start: 136 @24830 has 1 MA's), (157, 24725), (173, 24659), (176, 24641), (184, 24599), (185, 24596), (202, 24509), (228, 24383), (250, 24290), (263, 24242), (273, 24200), (284, 24140), (307, 24038), (351, 23903), (369, 23831), (395, 23726), (404, 23699), (405, 23690), (432, 23567), (452, 23519),

Gene: Gumpizza_42 Start: 31304, Stop: 32743, Start Num: 107

Candidate Starts for Gumpizza_42:

(Start: 107 @31304 has 20 MA's), (Start: 130 @31415 has 1 MA's), (132, 31424), (147, 31487), (151, 31511), (154, 31520), (187, 31670), (189, 31679), (218, 31835), (220, 31841), (226, 31868), (284, 32102), (286, 32117), (322, 32225), (398, 32495), (438, 32672), (445, 32687), (446, 32690),

Gene: Gwendoluna_40 Start: 31439, Stop: 33007, Start Num: 61

Candidate Starts for Gwendoluna_40:

(Start: 54 @31424 has 29 MA's), (Start: 57 @31430 has 3 MA's), (Start: 60 @31436 has 9 MA's), (Start: 61 @31439 has 10 MA's), (Start: 64 @31454 has 1 MA's), (Start: 108 @31505 has 217 MA's), (Start: 113 @31520 has 10 MA's), (151, 31724), (153, 31730), (157, 31751), (190, 31880), (192, 31889), (193, 31898), (215, 32006), (220, 32027), (222, 32039), (228, 32063), (237, 32105), (269, 32234), (283, 32294), (296, 32351), (304, 32378), (310, 32405), (311, 32408), (314, 32420), (343, 32489), (355, 32528), (363, 32561), (382, 32642), (385, 32657), (389, 32672), (412, 32762), (435, 32876), (476, 32975), (483, 32999),

Gene: HINdeR_33 Start: 29171, Stop: 27708, Start Num: 108

Candidate Starts for HINdeR_33:

(58, 29273), (70, 29243), (83, 29210), (Start: 108 @29171 has 217 MA's), (Start: 136 @29036 has 1 MA's), (141, 29000), (161, 28910), (168, 28889), (169, 28886), (186, 28820), (192, 28796), (194, 28781), (206, 28730), (218, 28658), (219, 28655), (222, 28640), (224, 28631), (242, 28556), (244, 28547), (267, 28463), (281, 28397), (341, 28208), (360, 28139), (372, 28091), (386, 28025), (393, 28004), (422, 27899), (454, 27785), (464, 27761), (472, 27743), (480, 27719), (481, 27713),

Gene: Halsey_43 Start: 31558, Stop: 32997, Start Num: 107

Candidate Starts for Halsey_43:

(Start: 107 @31558 has 20 MA's), (Start: 130 @31669 has 1 MA's), (132, 31678), (147, 31741), (151, 31765), (154, 31774), (187, 31924), (189, 31933), (218, 32089), (220, 32095), (226, 32122), (284, 32356), (322, 32479), (438, 32926), (445, 32941), (446, 32944),

Gene: HamSlice_32 Start: 26644, Stop: 25121, Start Num: 96

Candidate Starts for HamSlice_32:

(Start: 76 @26677 has 1 MA's), (Start: 96 @26644 has 15 MA's), (Start: 105 @26635 has 108 MA's), (137, 26473), (151, 26407), (156, 26389), (173, 26314), (177, 26290), (184, 26251), (185, 26248), (202, 26161), (225, 26047), (228, 26035), (273, 25852), (295, 25741), (307, 25690), (351, 25561), (354, 25552), (373, 25477), (375, 25471), (405, 25348), (414, 25309), (458, 25159), (465, 25144),

Gene: HanShotFirst_36 Start: 28972, Stop: 30474, Start Num: 108

Candidate Starts for HanShotFirst_36:

(14, 28735), (17, 28738), (22, 28753), (31, 28816), (Start: 54 @28891 has 29 MA's), (Start: 57 @28897 has 3 MA's), (Start: 60 @28903 has 9 MA's), (Start: 61 @28906 has 10 MA's), (Start: 64 @28921 has 1 MA's), (Start: 108 @28972 has 217 MA's), (Start: 113 @28987 has 10 MA's), (Start: 130 @29080 has 1 MA's), (151, 29191), (153, 29197), (157, 29218), (187, 29335), (190, 29347), (192, 29356), (193, 29365), (211, 29461), (215, 29473), (220, 29494), (222, 29506), (228, 29530), (269, 29701), (283, 29761), (296, 29818), (310, 29872), (314, 29887), (353, 29989), (355, 29995), (363, 30028), (365, 30031), (379, 30094), (385, 30124), (412, 30229), (435, 30343), (476, 30442), (483, 30466),

Gene: Happiness_33 Start: 26642, Stop: 25128, Start Num: 105

Candidate Starts for Happiness_33:

(Start: 76 @26684 has 1 MA's), (Start: 96 @26651 has 15 MA's), (Start: 105 @26642 has 108 MA's), (137, 26480), (151, 26414), (156, 26396), (173, 26321), (177, 26297), (184, 26258), (185, 26255), (202, 26168), (225, 26054), (228, 26042), (273, 25859), (295, 25748), (307, 25697), (351, 25568), (354, 25559), (373, 25484), (375, 25478), (405, 25355), (414, 25316), (458, 25166), (465, 25151),

Gene: Harlequin_29 Start: 23641, Stop: 22145, Start Num: 93

Candidate Starts for Harlequin_29:

(Start: 93 @23641 has 32 MA's), (Start: 108 @23620 has 217 MA's), (Start: 110 @23614 has 3 MA's), (Start: 136 @23485 has 1 MA's), (145, 23437), (164, 23350), (192, 23245), (213, 23134), (226, 23074),

(229, 23062), (243, 22999), (251, 22969), (259, 22936), (266, 22915), (272, 22885), (279, 22864), (285, 22819), (286, 22816), (287, 22810), (307, 22726), (323, 22687), (325, 22681), (366, 22552), (370, 22531), (373, 22522), (414, 22360),

Gene: HarryOW_37 Start: 29352, Stop: 30854, Start Num: 108

Candidate Starts for HarryOW_37:

(Start: 54 @29271 has 29 MA's), (Start: 57 @29277 has 3 MA's), (Start: 60 @29283 has 9 MA's), (Start: 61 @29286 has 10 MA's), (Start: 108 @29352 has 217 MA's), (151, 29571), (153, 29577), (157, 29598), (190, 29727), (192, 29736), (193, 29745), (215, 29853), (220, 29874), (222, 29886), (228, 29910), (237, 29952), (269, 30081), (283, 30141), (296, 30198), (310, 30252), (314, 30267), (343, 30336), (353, 30369), (355, 30375), (363, 30408), (365, 30411), (382, 30489), (385, 30504), (412, 30609), (435, 30723), (476, 30822), (483, 30846),

Gene: HashRod_37 Start: 27309, Stop: 25741, Start Num: 105

Candidate Starts for HashRod_37:

(42, 27459), (49, 27444), (82, 27345), (Start: 105 @27309 has 108 MA's), (157, 27054), (162, 27030), (176, 26970), (184, 26922), (185, 26919), (202, 26832), (206, 26820), (208, 26799), (213, 26775), (228, 26706), (244, 26637), (245, 26628), (273, 26523), (279, 26478), (307, 26346), (338, 26262), (353, 26205), (405, 25998), (434, 25857),

Gene: Herbertwm_31 Start: 25845, Stop: 24304, Start Num: 105

Candidate Starts for Herbertwm_31:

(24, 26094), (25, 26091), (28, 26064), (29, 26055), (Start: 57 @25950 has 3 MA's), (Start: 60 @25944 has 9 MA's), (68, 25911), (78, 25884), (81, 25881), (Start: 105 @25845 has 108 MA's), (151, 25617), (156, 25599), (172, 25527), (181, 25470), (184, 25452), (185, 25449), (206, 25350), (212, 25308), (228, 25236), (243, 25170), (245, 25158), (273, 25053), (279, 25023), (284, 24993), (310, 24882), (351, 24729), (358, 24708), (369, 24657), (373, 24645), (375, 24639), (388, 24576), (401, 24531), (405, 24516),

Gene: Hermia_40 Start: 30907, Stop: 32409, Start Num: 108

Candidate Starts for Hermia_40:

(Start: 54 @30826 has 29 MA's), (Start: 57 @30832 has 3 MA's), (Start: 60 @30838 has 9 MA's), (Start: 61 @30841 has 10 MA's), (Start: 64 @30856 has 1 MA's), (Start: 108 @30907 has 217 MA's), (Start: 113 @30922 has 10 MA's), (151, 31126), (153, 31132), (157, 31153), (187, 31270), (190, 31282), (192, 31291), (193, 31300), (211, 31396), (215, 31408), (220, 31429), (222, 31441), (228, 31465), (269, 31636), (283, 31696), (296, 31753), (304, 31780), (310, 31807), (314, 31822), (343, 31891), (355, 31930), (363, 31963), (382, 32044), (385, 32059), (412, 32164), (435, 32278), (476, 32377), (483, 32401),

Gene: HermioneGrange_37 Start: 29320, Stop: 30822, Start Num: 108

Candidate Starts for HermioneGrange_37:

(Start: 54 @29239 has 29 MA's), (Start: 57 @29245 has 3 MA's), (Start: 60 @29251 has 9 MA's), (Start: 61 @29254 has 10 MA's), (Start: 64 @29269 has 1 MA's), (Start: 108 @29320 has 217 MA's), (112, 29332), (153, 29545), (156, 29557), (157, 29566), (165, 29599), (190, 29695), (192, 29704), (193, 29713), (215, 29821), (220, 29842), (222, 29854), (228, 29878), (237, 29920), (269, 30049), (283, 30109), (296, 30166), (304, 30193), (310, 30220), (311, 30223), (314, 30235), (343, 30304), (353, 30337), (355, 30343), (363, 30376), (382, 30457), (385, 30472), (412, 30577), (435, 30691), (476, 30790), (483, 30814),

Gene: Hippo_50 Start: 36182, Stop: 37795, Start Num: 55

Candidate Starts for Hippo_50:

(Start: 34 @36116 has 7 MA's), (Start: 53 @36173 has 5 MA's), (Start: 55 @36182 has 24 MA's), (Start: 114 @36329 has 3 MA's), (132, 36428), (Start: 136 @36446 has 1 MA's), (147, 36497), (163,

36578), (164, 36581), (185, 36653), (186, 36662), (187, 36665), (211, 36791), (217, 36818), (233, 36887), (244, 36932), (262, 37001), (271, 37028), (284, 37076), (294, 37124), (305, 37163), (310, 37190), (323, 37220), (363, 37343), (377, 37403), (387, 37448), (421, 37577), (429, 37628), (431, 37637), (440, 37676), (450, 37700), (455, 37715), (461, 37730), (469, 37745),

Gene: Hiro_29 Start: 23875, Stop: 22397, Start Num: 108

Candidate Starts for Hiro_29:

(Start: 93 @23896 has 32 MA's), (Start: 108 @23875 has 217 MA's), (Start: 110 @23869 has 3 MA's), (125, 23800), (Start: 136 @23740 has 1 MA's), (164, 23602), (165, 23599), (171, 23572), (186, 23521), (206, 23431), (219, 23359), (224, 23335), (228, 23320), (230, 23308), (241, 23269), (260, 23188), (264, 23176), (273, 23137), (279, 23119), (292, 23050), (295, 23038), (299, 23023), (303, 23011), (307, 22987), (310, 22978), (323, 22948), (330, 22930), (340, 22909), (344, 22888), (357, 22855), (359, 22843), (384, 22735), (413, 22630), (426, 22570), (433, 22531), (434, 22528), (440, 22504), (442, 22498),

Gene: Holli_33 Start: 26436, Stop: 24913, Start Num: 96

Candidate Starts for Holli_33:

(Start: 76 @26469 has 1 MA's), (Start: 96 @26436 has 15 MA's), (Start: 105 @26427 has 108 MA's), (137, 26265), (151, 26199), (156, 26181), (173, 26106), (177, 26082), (184, 26043), (185, 26040), (202, 25953), (225, 25839), (228, 25827), (273, 25644), (295, 25533), (307, 25482), (351, 25353), (354, 25344), (373, 25269), (375, 25263), (405, 25140), (414, 25101), (458, 24951), (465, 24936),

Gene: Honk_61 Start: 38228, Stop: 39772, Start Num: 92

Candidate Starts for Honk_61:

(Start: 92 @38228 has 4 MA's), (147, 38429), (163, 38507), (189, 38630), (201, 38690), (209, 38738), (213, 38759), (218, 38786), (220, 38792), (237, 38870), (316, 39188), (328, 39218), (331, 39224), (364, 39353), (367, 39365), (368, 39374), (384, 39449), (390, 39470), (419, 39560), (423, 39575), (456, 39707),

Gene: Hookmount_34 Start: 27245, Stop: 25722, Start Num: 100

Candidate Starts for Hookmount_34:

(Start: 100 @27245 has 2 MA's), (Start: 108 @27230 has 217 MA's), (Start: 110 @27224 has 3 MA's), (Start: 111 @27221 has 2 MA's), (143, 27053), (145, 27047), (172, 26930), (189, 26870), (211, 26753), (220, 26714), (226, 26687), (229, 26675), (255, 26540), (291, 26387), (313, 26297), (331, 26258), (359, 26168), (369, 26126), (373, 26114), (383, 26069), (387, 26048), (438, 25835), (449, 25814),

Gene: Hope4ever_37 Start: 29718, Stop: 31289, Start Num: 60

Candidate Starts for Hope4ever_37:

(Start: 54 @29706 has 29 MA's), (Start: 57 @29712 has 3 MA's), (Start: 60 @29718 has 9 MA's), (Start: 61 @29721 has 10 MA's), (Start: 64 @29736 has 1 MA's), (Start: 108 @29787 has 217 MA's), (Start: 111 @29796 has 2 MA's), (Start: 113 @29802 has 10 MA's), (115, 29811), (151, 30006), (153, 30012), (187, 30150), (190, 30162), (192, 30171), (193, 30180), (215, 30288), (220, 30309), (222, 30321), (228, 30345), (237, 30387), (269, 30516), (283, 30576), (296, 30633), (310, 30687), (311, 30690), (314, 30702), (343, 30771), (355, 30810), (363, 30843), (382, 30924), (385, 30939), (412, 31044), (435, 31158), (476, 31257), (483, 31281),

Gene: Houdini22_33 Start: 26641, Stop: 25127, Start Num: 105

Candidate Starts for Houdini22_33:

(Start: 76 @26683 has 1 MA's), (Start: 96 @26650 has 15 MA's), (Start: 105 @26641 has 108 MA's), (137, 26479), (151, 26413), (156, 26395), (173, 26320), (177, 26296), (184, 26257), (185, 26254), (202, 26167), (225, 26053), (228, 26041), (273, 25858), (295, 25747), (307, 25696), (351, 25567), (354, 25558), (373, 25483), (375, 25477), (405, 25354), (414, 25315), (458, 25165), (465, 25150),

Gene: HuhtaEnerson15_30 Start: 25723, Stop: 24284, Start Num: 120

Candidate Starts for HuhtaEnerson15_30:

(Start: 108 @25777 has 217 MA's), (Start: 117 @25744 has 1 MA's), (Start: 118 @25741 has 3 MA's), (Start: 120 @25723 has 4 MA's), (Start: 136 @25642 has 1 MA's), (167, 25498), (173, 25471), (187, 25423), (220, 25258), (225, 25234), (226, 25231), (230, 25210), (279, 25021), (310, 24880), (323, 24850), (369, 24673), (373, 24661), (393, 24577), (396, 24562), (403, 24547), (442, 24370), (462, 24340), (477, 24307),

Gene: Huxley_33 Start: 26698, Stop: 25184, Start Num: 105

Candidate Starts for Huxley_33:

(Start: 76 @26740 has 1 MA's), (Start: 96 @26707 has 15 MA's), (Start: 105 @26698 has 108 MA's), (137, 26536), (151, 26470), (156, 26452), (173, 26377), (177, 26353), (184, 26314), (185, 26311), (202, 26224), (225, 26110), (228, 26098), (273, 25915), (295, 25804), (307, 25753), (351, 25624), (354, 25615), (373, 25540), (375, 25534), (405, 25411), (414, 25372), (458, 25222), (465, 25207),

Gene: IAmGroot_57 Start: 37709, Stop: 39130, Start Num: 97

Candidate Starts for IAmGroot_57:

(Start: 97 @37709 has 3 MA's), (187, 38069), (226, 38261), (228, 38270), (263, 38375), (328, 38609), (340, 38648), (390, 38849), (399, 38873), (406, 38894), (433, 39020), (465, 39107),

Gene: ICleared_33 Start: 26628, Stop: 25132, Start Num: 108

Candidate Starts for ICleared_33:

(Start: 65 @26694 has 10 MA's), (Start: 108 @26628 has 217 MA's), (Start: 114 @26610 has 3 MA's), (124, 26556), (134, 26505), (Start: 136 @26493 has 1 MA's), (161, 26367), (168, 26346), (175, 26316), (186, 26277), (194, 26238), (212, 26148), (225, 26088), (238, 26034), (272, 25896), (336, 25665), (358, 25575), (367, 25539), (373, 25512), (384, 25458), (386, 25449), (436, 25239), (442, 25221), (454, 25209), (457, 25200),

Gene: ILeeKay_39 Start: 29491, Stop: 31056, Start Num: 61

Candidate Starts for ILeeKay_39:

(Start: 54 @29476 has 29 MA's), (Start: 57 @29482 has 3 MA's), (Start: 60 @29488 has 9 MA's), (Start: 61 @29491 has 10 MA's), (Start: 64 @29506 has 1 MA's), (Start: 108 @29557 has 217 MA's), (Start: 111 @29566 has 2 MA's), (Start: 113 @29572 has 10 MA's), (115, 29581), (151, 29776), (153, 29782), (190, 29932), (192, 29941), (193, 29950), (215, 30058), (220, 30079), (222, 30091), (228, 30115), (237, 30157), (269, 30286), (283, 30346), (296, 30403), (304, 30430), (310, 30457), (314, 30472), (353, 30571), (363, 30610), (382, 30691), (385, 30706), (412, 30811), (435, 30925), (476, 31024), (483, 31048),

Gene: IUFootball_51 Start: 37490, Stop: 38902, Start Num: 108

Candidate Starts for IUFootball_51:

(Start: 108 @37490 has 217 MA's), (Start: 136 @37628 has 1 MA's), (164, 37763), (183, 37823), (187, 37835), (191, 37853), (198, 37892), (226, 38027), (228, 38036), (269, 38168), (272, 38180), (289, 38261), (351, 38471), (360, 38504), (370, 38546), (378, 38573), (382, 38591), (423, 38732), (432, 38795), (438, 38819), (471, 38897),

Gene: Iceman_34 Start: 26926, Stop: 25412, Start Num: 105

Candidate Starts for Iceman_34:

(Start: 76 @26968 has 1 MA's), (Start: 96 @26935 has 15 MA's), (Start: 105 @26926 has 108 MA's), (137, 26764), (151, 26698), (156, 26680), (173, 26605), (177, 26581), (184, 26542), (185, 26539), (202, 26452), (228, 26326), (273, 26143), (295, 26032), (307, 25981), (351, 25852), (354, 25843), (373, 25768), (375, 25762), (405, 25639), (414, 25600), (458, 25450), (465, 25435),

Gene: Ichabod_38 Start: 29525, Stop: 31093, Start Num: 61

Candidate Starts for Ichabod_38:

(Start: 54 @29510 has 29 MA's), (Start: 57 @29516 has 3 MA's), (Start: 60 @29522 has 9 MA's),
(Start: 61 @29525 has 10 MA's), (Start: 64 @29540 has 1 MA's), (Start: 108 @29591 has 217 MA's),
(Start: 130 @29699 has 1 MA's), (151, 29810), (153, 29816), (157, 29837), (190, 29966), (192, 29975),
(193, 29984), (215, 30092), (220, 30113), (222, 30125), (228, 30149), (269, 30320), (283, 30380),
(296, 30437), (304, 30464), (310, 30491), (314, 30506), (343, 30575), (353, 30608), (355, 30614),
(363, 30647), (382, 30728), (385, 30743), (412, 30848), (435, 30962), (476, 31061), (483, 31085),

Gene: IgnatiusPatJac_36 Start: 29287, Stop: 30789, Start Num: 108

Candidate Starts for IgnatiusPatJac_36:

(14, 29050), (17, 29053), (22, 29068), (31, 29131), (Start: 54 @29206 has 29 MA's), (Start: 57 @29212
has 3 MA's), (Start: 60 @29218 has 9 MA's), (Start: 61 @29221 has 10 MA's), (Start: 64 @29236 has 1
MA's), (Start: 108 @29287 has 217 MA's), (Start: 113 @29302 has 10 MA's), (115, 29311), (153,
29512), (156, 29524), (157, 29533), (190, 29662), (192, 29671), (193, 29680), (215, 29788), (220,
29809), (222, 29821), (228, 29845), (237, 29887), (269, 30016), (283, 30076), (296, 30133), (310,
30187), (311, 30190), (314, 30202), (343, 30271), (355, 30310), (363, 30343), (382, 30424), (385,
30439), (412, 30544), (435, 30658), (438, 30670), (476, 30757), (483, 30781),

Gene: Inyanga_35 Start: 28750, Stop: 30237, Start Num: 113

Candidate Starts for Inyanga_35:

(Start: 54 @28654 has 29 MA's), (Start: 57 @28660 has 3 MA's), (Start: 60 @28666 has 9 MA's),
(Start: 61 @28669 has 10 MA's), (Start: 64 @28684 has 1 MA's), (Start: 108 @28735 has 217 MA's),
(Start: 113 @28750 has 10 MA's), (153, 28960), (190, 29110), (192, 29119), (193, 29128), (215,
29236), (220, 29257), (222, 29269), (228, 29293), (237, 29335), (267, 29449), (269, 29464), (283,
29524), (296, 29581), (304, 29608), (310, 29635), (314, 29650), (343, 29719), (355, 29758), (363,
29791), (382, 29872), (385, 29887), (435, 30106), (476, 30205), (483, 30229),

Gene: Iqorha_35 Start: 28749, Stop: 30236, Start Num: 113

Candidate Starts for Iqorha_35:

(Start: 54 @28653 has 29 MA's), (Start: 57 @28659 has 3 MA's), (Start: 60 @28665 has 9 MA's),
(Start: 61 @28668 has 10 MA's), (Start: 64 @28683 has 1 MA's), (Start: 108 @28734 has 217 MA's),
(Start: 113 @28749 has 10 MA's), (153, 28959), (190, 29109), (192, 29118), (193, 29127), (215,
29235), (220, 29256), (222, 29268), (228, 29292), (237, 29334), (267, 29448), (269, 29463), (283,
29523), (296, 29580), (304, 29607), (310, 29634), (314, 29649), (343, 29718), (355, 29757), (363,
29790), (382, 29871), (385, 29886), (435, 30105), (476, 30204), (483, 30228),

Gene: Iracema64_34 Start: 26931, Stop: 25453, Start Num: 114

Candidate Starts for Iracema64_34:

(Start: 65 @27015 has 10 MA's), (Start: 108 @26949 has 217 MA's), (Start: 114 @26931 has 3 MA's),
(125, 26874), (127, 26856), (134, 26826), (Start: 136 @26814 has 1 MA's), (161, 26688), (168, 26667),
(175, 26637), (186, 26598), (194, 26559), (212, 26469), (225, 26409), (238, 26355), (272, 26217),
(336, 25986), (358, 25896), (367, 25860), (373, 25833), (384, 25779), (386, 25770), (436, 25560),
(442, 25542), (454, 25530), (457, 25521),

Gene: Iter_51 Start: 35996, Stop: 37411, Start Num: 108

Candidate Starts for Iter_51:

(Start: 108 @35996 has 217 MA's), (Start: 114 @36014 has 3 MA's), (131, 36110), (Start: 136 @36134
has 1 MA's), (153, 36218), (164, 36269), (183, 36329), (187, 36341), (193, 36371), (208, 36449), (228,
36542), (237, 36581), (370, 37064), (374, 37076), (422, 37247),

Gene: IttyBittyPiggy_50 Start: 34701, Stop: 36119, Start Num: 104

Candidate Starts for IttyBittyPiggy_50:

(91, 34683), (101, 34698), (Start: 104 @34701 has 34 MA's), (Start: 108 @34710 has 217 MA's), (153, 34932), (183, 35043), (187, 35055), (189, 35064), (206, 35142), (208, 35163), (216, 35205), (228, 35256), (230, 35268), (243, 35322), (367, 35757), (370, 35775), (374, 35787),

Gene: JC27_38 Start: 29870, Stop: 31372, Start Num: 108

Candidate Starts for JC27_38:

(Start: 54 @29789 has 29 MA's), (Start: 57 @29795 has 3 MA's), (Start: 60 @29801 has 9 MA's), (Start: 61 @29804 has 10 MA's), (Start: 64 @29819 has 1 MA's), (Start: 108 @29870 has 217 MA's), (151, 30089), (153, 30095), (190, 30245), (192, 30254), (193, 30263), (215, 30371), (220, 30392), (222, 30404), (228, 30428), (237, 30470), (269, 30599), (283, 30659), (296, 30716), (304, 30743), (310, 30770), (314, 30785), (343, 30854), (355, 30893), (363, 30926), (382, 31007), (385, 31022), (435, 31241), (476, 31340), (483, 31364),

Gene: Jabiru_31 Start: 25464, Stop: 23983, Start Num: 108

Candidate Starts for Jabiru_31:

(84, 25491), (Start: 108 @25464 has 217 MA's), (Start: 118 @25428 has 3 MA's), (Start: 136 @25329 has 1 MA's), (141, 25293), (153, 25245), (161, 25203), (169, 25179), (175, 25152), (186, 25113), (192, 25089), (194, 25074), (220, 24945), (288, 24651), (293, 24633), (302, 24606), (307, 24576), (314, 24552), (323, 24537), (345, 24477), (358, 24426), (359, 24417), (373, 24363), (380, 24330), (396, 24264), (414, 24201), (442, 24072), (480, 23994),

Gene: JackSparrow_38 Start: 29845, Stop: 31416, Start Num: 60

Candidate Starts for JackSparrow_38:

(Start: 54 @29833 has 29 MA's), (Start: 57 @29839 has 3 MA's), (Start: 60 @29845 has 9 MA's), (Start: 61 @29848 has 10 MA's), (Start: 64 @29863 has 1 MA's), (Start: 108 @29914 has 217 MA's), (115, 29938), (151, 30133), (153, 30139), (190, 30289), (192, 30298), (193, 30307), (215, 30415), (220, 30436), (222, 30448), (228, 30472), (237, 30514), (269, 30643), (283, 30703), (296, 30760), (304, 30787), (310, 30814), (314, 30829), (343, 30898), (355, 30937), (363, 30970), (382, 31051), (385, 31066), (412, 31171), (435, 31285), (476, 31384), (483, 31408),

Gene: Janeemi_52 Start: 36965, Stop: 38386, Start Num: 104

Candidate Starts for Janeemi_52:

(Start: 75 @36914 has 3 MA's), (91, 36947), (101, 36962), (Start: 104 @36965 has 34 MA's), (Start: 108 @36974 has 217 MA's), (135, 37106), (Start: 136 @37112 has 1 MA's), (153, 37196), (163, 37244), (183, 37307), (187, 37319), (189, 37328), (208, 37427), (228, 37520), (237, 37559), (284, 37718), (287, 37739), (370, 38042), (374, 38054), (422, 38225), (437, 38312),

Gene: Jankie_50 Start: 33484, Stop: 34896, Start Num: 108

Candidate Starts for Jankie_50:

(Start: 108 @33484 has 217 MA's), (159, 33736), (183, 33814), (187, 33826), (193, 33856), (200, 33889), (243, 34093), (260, 34126), (272, 34174), (319, 34363), (321, 34369), (351, 34474), (367, 34531), (369, 34546), (403, 34660), (422, 34732), (440, 34831),

Gene: Jasper_38 Start: 29239, Stop: 30741, Start Num: 108

Candidate Starts for Jasper_38:

(Start: 54 @29158 has 29 MA's), (Start: 57 @29164 has 3 MA's), (Start: 60 @29170 has 9 MA's), (Start: 61 @29173 has 10 MA's), (Start: 64 @29188 has 1 MA's), (Start: 108 @29239 has 217 MA's), (Start: 113 @29254 has 10 MA's), (132, 29356), (Start: 136 @29374 has 1 MA's), (137, 29386), (151, 29458), (153, 29464), (156, 29476), (157, 29485), (187, 29602), (190, 29614), (192, 29623), (193, 29632), (211, 29728), (215, 29740), (220, 29761), (222, 29773), (228, 29797), (237, 29839), (269, 29968), (283, 30028), (296, 30085), (310, 30139), (314, 30154), (353, 30256), (355, 30262), (363, 30295), (365, 30298), (373, 30334), (379, 30361), (385, 30391), (435, 30610), (476, 30709), (483, 30733),

Gene: Jaykayelowell_33 Start: 26633, Stop: 25119, Start Num: 105

Candidate Starts for Jaykayelowell_33:

(Start: 76 @26675 has 1 MA's), (Start: 96 @26642 has 15 MA's), (Start: 105 @26633 has 108 MA's), (137, 26471), (151, 26405), (156, 26387), (173, 26312), (177, 26288), (184, 26249), (185, 26246), (202, 26159), (225, 26045), (228, 26033), (273, 25850), (295, 25739), (307, 25688), (351, 25559), (354, 25550), (360, 25526), (373, 25475), (375, 25469), (405, 25346), (414, 25307), (458, 25157), (465, 25142),

Gene: Jerm2_38 Start: 29575, Stop: 31077, Start Num: 108

Candidate Starts for Jerm2_38:

(Start: 54 @29494 has 29 MA's), (Start: 57 @29500 has 3 MA's), (Start: 60 @29506 has 9 MA's), (Start: 61 @29509 has 10 MA's), (Start: 64 @29524 has 1 MA's), (Start: 108 @29575 has 217 MA's), (Start: 113 @29590 has 10 MA's), (153, 29800), (156, 29812), (157, 29821), (165, 29854), (190, 29950), (192, 29959), (193, 29968), (215, 30076), (220, 30097), (222, 30109), (228, 30133), (237, 30175), (269, 30304), (283, 30364), (296, 30421), (304, 30448), (310, 30475), (311, 30478), (314, 30490), (343, 30559), (353, 30592), (355, 30598), (363, 30631), (382, 30712), (385, 30727), (412, 30832), (435, 30946), (476, 31045), (483, 31069),

Gene: Jester_29 Start: 23572, Stop: 22076, Start Num: 93

Candidate Starts for Jester_29:

(Start: 93 @23572 has 32 MA's), (Start: 108 @23551 has 217 MA's), (Start: 110 @23545 has 3 MA's), (Start: 136 @23416 has 1 MA's), (145, 23368), (164, 23281), (192, 23176), (213, 23065), (226, 23005), (229, 22993), (243, 22930), (251, 22900), (259, 22867), (266, 22846), (272, 22816), (279, 22795), (285, 22750), (286, 22747), (287, 22741), (307, 22657), (323, 22618), (325, 22612), (366, 22483), (370, 22462), (373, 22453), (414, 22291),

Gene: JetBlade_33 Start: 26634, Stop: 25120, Start Num: 105

Candidate Starts for JetBlade_33:

(Start: 76 @26676 has 1 MA's), (Start: 96 @26643 has 15 MA's), (Start: 105 @26634 has 108 MA's), (137, 26472), (151, 26406), (156, 26388), (173, 26313), (177, 26289), (184, 26250), (185, 26247), (202, 26160), (225, 26046), (228, 26034), (273, 25851), (295, 25740), (307, 25689), (351, 25560), (354, 25551), (373, 25476), (375, 25470), (405, 25347), (414, 25308), (458, 25158), (465, 25143),

Gene: Joemato_50 Start: 35318, Stop: 36736, Start Num: 104

Candidate Starts for Joemato_50:

(91, 35300), (101, 35315), (Start: 104 @35318 has 34 MA's), (Start: 108 @35327 has 217 MA's), (131, 35441), (Start: 136 @35465 has 1 MA's), (153, 35549), (183, 35660), (187, 35672), (189, 35681), (208, 35780), (228, 35873), (230, 35885), (237, 35912), (272, 36017), (284, 36071), (370, 36392), (374, 36404), (382, 36437), (422, 36575),

Gene: JohnDoe_50 Start: 35314, Stop: 36732, Start Num: 104

Candidate Starts for JohnDoe_50:

(91, 35296), (101, 35311), (Start: 104 @35314 has 34 MA's), (Start: 108 @35323 has 217 MA's), (131, 35437), (153, 35545), (183, 35656), (187, 35668), (189, 35677), (208, 35776), (228, 35869), (237, 35908), (284, 36067), (370, 36388), (374, 36400), (382, 36433), (422, 36571),

Gene: JoongJeon_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for JoongJeon_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Jorgensen_37 Start: 29286, Stop: 30788, Start Num: 108

Candidate Starts for Jorgensen_37:

(Start: 54 @29205 has 29 MA's), (Start: 57 @29211 has 3 MA's), (Start: 60 @29217 has 9 MA's),
(Start: 61 @29220 has 10 MA's), (Start: 64 @29235 has 1 MA's), (Start: 108 @29286 has 217 MA's),
(Start: 113 @29301 has 10 MA's), (153, 29511), (157, 29532), (190, 29661), (192, 29670), (193,
29679), (215, 29787), (220, 29808), (222, 29820), (228, 29844), (237, 29886), (269, 30015), (283,
30075), (296, 30132), (304, 30159), (310, 30186), (311, 30189), (314, 30201), (353, 30303), (355,
30309), (363, 30342), (373, 30381), (382, 30423), (385, 30438), (435, 30657), (476, 30756), (483,
30780),

Gene: Jovo_30 Start: 25967, Stop: 24474, Start Num: 108

Candidate Starts for Jovo_30:

(Start: 108 @25967 has 217 MA's), (Start: 117 @25934 has 1 MA's), (Start: 118 @25931 has 3 MA's),
(Start: 120 @25913 has 4 MA's), (Start: 136 @25832 has 1 MA's), (167, 25688), (173, 25661), (187,
25613), (220, 25448), (225, 25424), (226, 25421), (230, 25400), (279, 25211), (323, 25040), (359,
24905), (369, 24863), (373, 24851), (393, 24767), (396, 24752), (403, 24737), (442, 24560), (462,
24530), (477, 24497),

Gene: Jstan_50 Start: 35963, Stop: 37384, Start Num: 104

Candidate Starts for Jstan_50:

(91, 35945), (101, 35960), (Start: 104 @35963 has 34 MA's), (Start: 108 @35972 has 217 MA's), (131,
36086), (Start: 136 @36110 has 1 MA's), (153, 36194), (159, 36227), (163, 36242), (183, 36305), (187,
36317), (189, 36326), (208, 36425), (216, 36467), (228, 36518), (237, 36557), (267, 36635), (272,
36662), (284, 36716), (367, 37022), (368, 37031), (370, 37040), (374, 37052), (422, 37223), (437,
37310),

Gene: JuliaChild_39 Start: 30024, Stop: 31526, Start Num: 108

Candidate Starts for JuliaChild_39:

(Start: 54 @29943 has 29 MA's), (Start: 57 @29949 has 3 MA's), (Start: 60 @29955 has 9 MA's),
(Start: 61 @29958 has 10 MA's), (Start: 64 @29973 has 1 MA's), (Start: 108 @30024 has 217 MA's),
(Start: 113 @30039 has 10 MA's), (151, 30243), (153, 30249), (157, 30270), (165, 30303), (190,
30399), (192, 30408), (193, 30417), (213, 30519), (215, 30525), (220, 30546), (222, 30558), (228,
30582), (237, 30624), (269, 30753), (283, 30813), (296, 30870), (304, 30897), (310, 30924), (311,
30927), (314, 30939), (353, 31041), (355, 31047), (363, 31080), (365, 31083), (382, 31161), (385,
31176), (389, 31191), (412, 31281), (435, 31395), (476, 31494), (483, 31518),

Gene: JuneStar_51 Start: 38077, Stop: 39495, Start Num: 104

Candidate Starts for JuneStar_51:

(91, 38059), (101, 38074), (Start: 104 @38077 has 34 MA's), (Start: 108 @38086 has 217 MA's),
(Start: 136 @38224 has 1 MA's), (153, 38308), (183, 38419), (187, 38431), (189, 38440), (208, 38539),
(216, 38581), (228, 38632), (237, 38671), (351, 39076), (367, 39133), (370, 39151), (374, 39163),
(423, 39337),

Gene: KADY_37 Start: 27309, Stop: 25741, Start Num: 105

Candidate Starts for KADY_37:

(42, 27459), (49, 27444), (82, 27345), (Start: 105 @27309 has 108 MA's), (157, 27054), (162, 27030),
(176, 26970), (184, 26922), (185, 26919), (202, 26832), (206, 26820), (208, 26799), (213, 26775),
(228, 26706), (244, 26637), (245, 26628), (273, 26523), (279, 26478), (307, 26346), (338, 26262),
(353, 26205), (405, 25998), (434, 25857),

Gene: KBG_38 Start: 30500, Stop: 31999, Start Num: 108

Candidate Starts for KBG_38:

(Start: 54 @30419 has 29 MA's), (Start: 57 @30425 has 3 MA's), (Start: 60 @30431 has 9 MA's),
(Start: 61 @30434 has 10 MA's), (Start: 64 @30449 has 1 MA's), (Start: 108 @30500 has 217 MA's),
(123, 30566), (Start: 130 @30608 has 1 MA's), (151, 30719), (153, 30725), (157, 30746), (190, 30875),
(192, 30884), (193, 30893), (194, 30899), (215, 31001), (220, 31022), (222, 31034), (228, 31058),
(237, 31100), (269, 31229), (283, 31289), (296, 31346), (304, 31373), (310, 31400), (311, 31403),
(314, 31415), (353, 31514), (363, 31553), (365, 31556), (382, 31634), (385, 31649), (435, 31868),
(476, 31967), (483, 31991),

Gene: KFPoly_33 Start: 26634, Stop: 25120, Start Num: 105

Candidate Starts for KFPoly_33:

(Start: 76 @26676 has 1 MA's), (Start: 96 @26643 has 15 MA's), (Start: 105 @26634 has 108 MA's),
(137, 26472), (151, 26406), (156, 26388), (173, 26313), (177, 26289), (184, 26250), (185, 26247),
(202, 26160), (225, 26046), (228, 26034), (273, 25851), (295, 25740), (307, 25689), (351, 25560),
(354, 25551), (373, 25476), (375, 25470), (405, 25347), (414, 25308), (458, 25158), (465, 25143),

Gene: KSSJEB_37 Start: 29202, Stop: 30704, Start Num: 108

Candidate Starts for KSSJEB_37:

(Start: 54 @29121 has 29 MA's), (Start: 57 @29127 has 3 MA's), (Start: 60 @29133 has 9 MA's),
(Start: 61 @29136 has 10 MA's), (Start: 64 @29151 has 1 MA's), (Start: 108 @29202 has 217 MA's),
(132, 29319), (151, 29421), (153, 29427), (157, 29448), (187, 29565), (190, 29577), (192, 29586),
(193, 29595), (215, 29703), (222, 29736), (263, 29904), (269, 29931), (283, 29991), (296, 30048),
(304, 30075), (310, 30102), (314, 30117), (343, 30186), (355, 30225), (363, 30258), (379, 30324),
(385, 30354), (402, 30417), (412, 30459), (435, 30573), (476, 30672), (483, 30696),

Gene: Kaine_52 Start: 36736, Stop: 38322, Start Num: 55

Candidate Starts for Kaine_52:

(35, 36673), (36, 36679), (Start: 55 @36736 has 24 MA's), (Start: 116 @36874 has 3 MA's), (129,
36946), (Start: 130 @36952 has 1 MA's), (Start: 136 @36979 has 1 MA's), (147, 37030), (150, 37042),
(159, 37096), (164, 37114), (186, 37195), (187, 37198), (227, 37393), (244, 37465), (246, 37474),
(262, 37531), (279, 37573), (284, 37603), (310, 37717), (323, 37747), (325, 37753), (358, 37846),
(361, 37861), (363, 37870), (369, 37897), (370, 37900), (380, 37942), (387, 37975), (390, 37984),
(423, 38110), (429, 38155), (431, 38164), (434, 38179), (437, 38194), (440, 38203), (450, 38227),
(469, 38272),

Gene: Kalimba_43 Start: 31408, Stop: 32847, Start Num: 107

Candidate Starts for Kalimba_43:

(Start: 107 @31408 has 20 MA's), (Start: 130 @31519 has 1 MA's), (132, 31528), (147, 31591), (151,
31615), (154, 31624), (187, 31774), (189, 31783), (218, 31939), (220, 31945), (226, 31972), (241,
32032), (284, 32206), (286, 32221), (322, 32329), (376, 32512), (438, 32776), (445, 32791), (446,
32794),

Gene: Kanely_38 Start: 30151, Stop: 31650, Start Num: 113

Candidate Starts for Kanely_38:

(Start: 50 @30046 has 1 MA's), (Start: 71 @30091 has 3 MA's), (Start: 108 @30136 has 217 MA's),
(Start: 113 @30151 has 10 MA's), (Start: 130 @30244 has 1 MA's), (151, 30355), (153, 30361), (157,
30382), (190, 30511), (192, 30520), (193, 30529), (215, 30637), (220, 30658), (222, 30670), (228,
30694), (237, 30736), (269, 30865), (283, 30925), (296, 30982), (304, 31009), (310, 31036), (311,
31039), (314, 31051), (343, 31120), (353, 31153), (355, 31159), (363, 31192), (382, 31273), (385,
31288), (412, 31393), (435, 31507),

Gene: Katalie_50 Start: 36352, Stop: 37929, Start Num: 55

Candidate Starts for Katalie_50:

(Start: 34 @36286 has 7 MA's), (Start: 53 @36343 has 5 MA's), (Start: 55 @36352 has 24 MA's), (Start: 114 @36472 has 3 MA's), (Start: 136 @36589 has 1 MA's), (147, 36640), (163, 36721), (164, 36724), (185, 36796), (186, 36805), (187, 36808), (217, 36961), (220, 36970), (230, 37018), (233, 37030), (240, 37054), (257, 37123), (258, 37126), (294, 37258), (310, 37324), (323, 37354), (358, 37453), (361, 37468), (363, 37477), (366, 37486), (371, 37510), (387, 37582), (431, 37771), (440, 37810), (447, 37825), (450, 37834), (455, 37849),

Gene: Katalie136_33 Start: 26647, Stop: 25133, Start Num: 105

Candidate Starts for Katalie136_33:

(Start: 76 @26689 has 1 MA's), (Start: 96 @26656 has 15 MA's), (Start: 105 @26647 has 108 MA's), (137, 26485), (151, 26419), (156, 26401), (173, 26326), (184, 26263), (185, 26260), (202, 26173), (228, 26047), (273, 25864), (283, 25807), (295, 25753), (307, 25702), (351, 25573), (354, 25564), (373, 25489), (375, 25483), (404, 25369), (405, 25360), (414, 25321), (458, 25171), (465, 25156),

Gene: Kaylissa_51 Start: 35709, Stop: 37127, Start Num: 104

Candidate Starts for Kaylissa_51:

(91, 35691), (101, 35706), (Start: 104 @35709 has 34 MA's), (Start: 108 @35718 has 217 MA's), (131, 35832), (Start: 136 @35856 has 1 MA's), (153, 35940), (183, 36051), (187, 36063), (189, 36072), (208, 36171), (228, 36264), (230, 36276), (237, 36303), (272, 36408), (284, 36462), (370, 36783), (374, 36795), (382, 36828), (422, 36966),

Gene: KeAlii_47 Start: 34815, Stop: 36296, Start Num: 104

Candidate Starts for KeAlii_47:

(Start: 104 @34815 has 34 MA's), (151, 35031), (180, 35142), (218, 35355), (390, 36024), (423, 36132), (428, 36174), (440, 36228),

Gene: KekoraPapaka_32 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for KekoraPapaka_32:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Kenmech_40 Start: 30663, Stop: 32255, Start Num: 54

Candidate Starts for Kenmech_40:

(Start: 54 @30663 has 29 MA's), (Start: 57 @30669 has 3 MA's), (Start: 60 @30675 has 9 MA's), (Start: 61 @30678 has 10 MA's), (Start: 64 @30693 has 1 MA's), (Start: 108 @30744 has 217 MA's), (Start: 113 @30759 has 10 MA's), (151, 30963), (153, 30969), (190, 31119), (192, 31128), (193, 31137), (215, 31245), (220, 31266), (222, 31278), (228, 31302), (237, 31344), (267, 31458), (269, 31473), (283, 31533), (296, 31590), (304, 31617), (310, 31644), (314, 31659), (363, 31797), (373, 31836), (382, 31878), (385, 31893), (435, 32112),

Gene: KikiBouba_40 Start: 30716, Stop: 32218, Start Num: 108

Candidate Starts for KikiBouba_40:

(Start: 54 @30635 has 29 MA's), (Start: 57 @30641 has 3 MA's), (Start: 60 @30647 has 9 MA's), (Start: 61 @30650 has 10 MA's), (Start: 64 @30665 has 1 MA's), (Start: 108 @30716 has 217 MA's), (Start: 113 @30731 has 10 MA's), (151, 30935), (153, 30941), (157, 30962), (187, 31079), (190, 31091), (192, 31100), (193, 31109), (211, 31205), (215, 31217), (220, 31238), (222, 31250), (228, 31274), (269, 31445), (283, 31505), (296, 31562), (304, 31589), (310, 31616), (314, 31631), (343, 31700), (355, 31739), (363, 31772), (382, 31853), (385, 31868), (412, 31973), (435, 32087), (476, 32186), (483, 32210),

Gene: Killigrew_35 Start: 28933, Stop: 30432, Start Num: 113

Candidate Starts for Killigrew_35:

(Start: 54 @28837 has 29 MA's), (Start: 57 @28843 has 3 MA's), (Start: 60 @28849 has 9 MA's),
(Start: 61 @28852 has 10 MA's), (Start: 64 @28867 has 1 MA's), (Start: 108 @28918 has 217 MA's),
(Start: 113 @28933 has 10 MA's), (Start: 130 @29026 has 1 MA's), (151, 29137), (153, 29143), (157,
29164), (190, 29293), (192, 29302), (193, 29311), (194, 29317), (211, 29407), (215, 29419), (222,
29452), (269, 29647), (283, 29707), (296, 29764), (304, 29791), (310, 29818), (314, 29833), (353,
29935), (355, 29941), (363, 29974), (365, 29977), (382, 30055), (385, 30070), (435, 30289),

Gene: Kingmustik0402_33 Start: 26629, Stop: 25115, Start Num: 105

Candidate Starts for Kingmustik0402_33:

(Start: 76 @26671 has 1 MA's), (Start: 96 @26638 has 15 MA's), (Start: 105 @26629 has 108 MA's),
(137, 26467), (151, 26401), (156, 26383), (173, 26308), (177, 26284), (184, 26245), (185, 26242),
(202, 26155), (228, 26029), (273, 25846), (295, 25735), (307, 25684), (351, 25555), (354, 25546),
(373, 25471), (375, 25465), (405, 25342), (414, 25303), (458, 25153), (465, 25138),

Gene: Kinmap_35 Start: 26619, Stop: 25138, Start Num: 114

Candidate Starts for Kinmap_35:

(Start: 102 @26646 has 1 MA's), (Start: 108 @26637 has 217 MA's), (Start: 114 @26619 has 3 MA's),
(172, 26337), (212, 26160), (225, 26100), (266, 25938), (272, 25908), (312, 25740), (329, 25701),
(350, 25617), (367, 25551), (373, 25524), (375, 25518), (381, 25485), (384, 25470), (433, 25266),
(442, 25233), (454, 25221),

Gene: KittenMittens_32 Start: 23842, Stop: 25497, Start Num: 92

Candidate Starts for KittenMittens_32:

(73, 23803), (Start: 92 @23842 has 4 MA's), (Start: 103 @23851 has 3 MA's), (Start: 111 @23869 has
2 MA's), (Start: 117 @23893 has 1 MA's), (Start: 130 @23968 has 1 MA's), (132, 23977), (Start: 136
@23995 has 1 MA's), (151, 24079), (159, 24118), (186, 24220), (192, 24244), (193, 24253), (211,
24349), (220, 24385), (229, 24424), (230, 24433), (231, 24436), (260, 24553), (267, 24574), (269,
24589), (272, 24601), (282, 24649), (292, 24694), (310, 24766), (320, 24790), (355, 24910), (359,
24928), (360, 24931), (361, 24934), (394, 25069), (435, 25258), (474, 25351), (483, 25381), (486,
25405), (489, 25453), (490, 25471),

Gene: Klodlith_34 Start: 26445, Stop: 24916, Start Num: 112

Candidate Starts for Klodlith_34:

(59, 26547), (89, 26487), (Start: 96 @26478 has 15 MA's), (Start: 111 @26448 has 2 MA's), (112,
26445), (Start: 136 @26319 has 1 MA's), (157, 26214), (174, 26142), (185, 26076), (186, 26067), (235,
25830), (243, 25797), (253, 25758), (266, 25713), (273, 25680), (279, 25662), (295, 25581), (314,
25506), (319, 25491), (351, 25410), (362, 25368), (373, 25326), (392, 25245), (405, 25197), (421,
25134), (432, 25065), (437, 25044), (440, 25035),

Gene: Koan_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for Koan_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's),
(137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250),
(202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563),
(354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Koreni_32 Start: 26343, Stop: 24781, Start Num: 65

Candidate Starts for Koreni_32:

(Start: 65 @26343 has 10 MA's), (Start: 108 @26277 has 217 MA's), (Start: 114 @26259 has 3 MA's),
(124, 26205), (134, 26154), (Start: 136 @26142 has 1 MA's), (161, 26016), (168, 25995), (175, 25965),
(186, 25926), (194, 25887), (212, 25797), (225, 25737), (238, 25683), (272, 25545), (336, 25314),
(358, 25224), (367, 25188), (373, 25161), (384, 25107), (386, 25098), (436, 24888), (442, 24870),

(454, 24858), (457, 24849),

Gene: Kratak_33 Start: 26699, Stop: 25137, Start Num: 65

Candidate Starts for Kratak_33:

(47, 26747), (Start: 65 @26699 has 10 MA's), (Start: 102 @26642 has 1 MA's), (Start: 108 @26633 has 217 MA's), (Start: 114 @26615 has 3 MA's), (125, 26558), (127, 26540), (134, 26510), (Start: 136 @26498 has 1 MA's), (161, 26372), (168, 26351), (175, 26321), (186, 26282), (225, 26093), (233, 26057), (238, 26039), (272, 25901), (282, 25856), (336, 25670), (367, 25544), (373, 25517), (384, 25463), (386, 25454), (436, 25244), (442, 25226), (454, 25214), (457, 25205),

Gene: Kremtemulon_33 Start: 26749, Stop: 25187, Start Num: 65

Candidate Starts for Kremtemulon_33:

(Start: 65 @26749 has 10 MA's), (Start: 108 @26683 has 217 MA's), (Start: 114 @26665 has 3 MA's), (125, 26608), (127, 26590), (134, 26560), (Start: 136 @26548 has 1 MA's), (161, 26422), (168, 26401), (175, 26371), (186, 26332), (194, 26293), (212, 26203), (225, 26143), (238, 26089), (272, 25951), (312, 25783), (336, 25720), (358, 25630), (367, 25594), (373, 25567), (384, 25513), (386, 25504), (436, 25294), (442, 25276), (454, 25264), (457, 25255),

Gene: Krishelle_29 Start: 23947, Stop: 22448, Start Num: 93

Candidate Starts for Krishelle_29:

(Start: 93 @23947 has 32 MA's), (Start: 108 @23926 has 217 MA's), (Start: 110 @23920 has 3 MA's), (125, 23851), (Start: 136 @23791 has 1 MA's), (164, 23653), (165, 23650), (171, 23623), (186, 23572), (206, 23482), (224, 23386), (228, 23371), (230, 23359), (241, 23320), (260, 23239), (264, 23227), (273, 23188), (279, 23170), (292, 23101), (299, 23074), (303, 23062), (307, 23038), (310, 23029), (323, 22999), (330, 22981), (340, 22960), (344, 22939), (357, 22906), (359, 22894), (384, 22786), (413, 22681), (426, 22621), (433, 22582), (434, 22579), (440, 22555), (442, 22549),

Gene: Kristoff_35 Start: 27044, Stop: 25536, Start Num: 108

Candidate Starts for Kristoff_35:

(Start: 108 @27044 has 217 MA's), (Start: 110 @27038 has 3 MA's), (Start: 114 @27026 has 3 MA's), (115, 27020), (131, 26933), (Start: 136 @26909 has 1 MA's), (172, 26744), (211, 26567), (220, 26528), (222, 26516), (225, 26504), (226, 26501), (229, 26489), (282, 26243), (286, 26222), (331, 26072), (360, 25979), (367, 25955), (369, 25940), (383, 25883), (387, 25862), (449, 25628),

Gene: Kugel_38 Start: 29732, Stop: 31234, Start Num: 108

Candidate Starts for Kugel_38:

(Start: 54 @29651 has 29 MA's), (Start: 57 @29657 has 3 MA's), (Start: 60 @29663 has 9 MA's), (Start: 61 @29666 has 10 MA's), (Start: 64 @29681 has 1 MA's), (Start: 108 @29732 has 217 MA's), (151, 29951), (153, 29957), (157, 29978), (187, 30095), (190, 30107), (192, 30116), (193, 30125), (215, 30233), (220, 30254), (222, 30266), (228, 30290), (237, 30332), (269, 30461), (283, 30521), (296, 30578), (310, 30632), (314, 30647), (355, 30755), (363, 30788), (382, 30869), (385, 30884), (412, 30989), (435, 31103), (438, 31115), (476, 31202), (483, 31226),

Gene: KyMonks1A_40 Start: 29951, Stop: 31453, Start Num: 108

Candidate Starts for KyMonks1A_40:

(Start: 54 @29870 has 29 MA's), (Start: 57 @29876 has 3 MA's), (Start: 60 @29882 has 9 MA's), (Start: 61 @29885 has 10 MA's), (Start: 64 @29900 has 1 MA's), (Start: 108 @29951 has 217 MA's), (151, 30170), (153, 30176), (157, 30197), (190, 30326), (192, 30335), (193, 30344), (215, 30452), (220, 30473), (222, 30485), (228, 30509), (237, 30551), (269, 30680), (283, 30740), (296, 30797), (304, 30824), (310, 30851), (314, 30866), (353, 30968), (355, 30974), (363, 31007), (382, 31088), (385, 31103), (435, 31322), (476, 31421), (483, 31445),

Gene: Kyee_33 Start: 26635, Stop: 25121, Start Num: 105

Candidate Starts for Kyee_33:

(Start: 76 @26677 has 1 MA's), (Start: 96 @26644 has 15 MA's), (Start: 105 @26635 has 108 MA's), (137, 26473), (151, 26407), (156, 26389), (173, 26314), (177, 26290), (184, 26251), (185, 26248), (202, 26161), (225, 26047), (228, 26035), (273, 25852), (295, 25741), (307, 25690), (351, 25561), (354, 25552), (373, 25477), (375, 25471), (405, 25348), (414, 25309), (458, 25159), (465, 25144),

Gene: Kykar_36 Start: 28846, Stop: 30429, Start Num: 54

Candidate Starts for Kykar_36:

(Start: 54 @28846 has 29 MA's), (Start: 57 @28852 has 3 MA's), (Start: 60 @28858 has 9 MA's), (Start: 61 @28861 has 10 MA's), (Start: 64 @28876 has 1 MA's), (Start: 108 @28927 has 217 MA's), (Start: 113 @28942 has 10 MA's), (151, 29146), (153, 29152), (157, 29173), (187, 29290), (190, 29302), (192, 29311), (193, 29320), (215, 29428), (220, 29449), (222, 29461), (228, 29485), (237, 29527), (269, 29656), (283, 29716), (296, 29773), (304, 29800), (310, 29827), (311, 29830), (314, 29842), (355, 29950), (363, 29983), (382, 30064), (385, 30079), (412, 30184), (435, 30298), (476, 30397), (483, 30421),

Gene: Lambert1_34 Start: 27244, Stop: 25721, Start Num: 100

Candidate Starts for Lambert1_34:

(Start: 100 @27244 has 2 MA's), (Start: 108 @27229 has 217 MA's), (Start: 110 @27223 has 3 MA's), (Start: 111 @27220 has 2 MA's), (143, 27052), (145, 27046), (172, 26929), (189, 26869), (211, 26752), (220, 26713), (226, 26686), (229, 26674), (255, 26539), (291, 26386), (313, 26296), (331, 26257), (359, 26167), (369, 26125), (373, 26113), (383, 26068), (387, 26047), (438, 25834), (449, 25813),

Gene: Lamina13_37 Start: 29040, Stop: 30542, Start Num: 108

Candidate Starts for Lamina13_37:

(Start: 54 @28959 has 29 MA's), (Start: 57 @28965 has 3 MA's), (Start: 60 @28971 has 9 MA's), (Start: 61 @28974 has 10 MA's), (Start: 64 @28989 has 1 MA's), (Start: 108 @29040 has 217 MA's), (Start: 113 @29055 has 10 MA's), (115, 29064), (153, 29265), (190, 29415), (192, 29424), (193, 29433), (211, 29529), (215, 29541), (220, 29562), (222, 29574), (228, 29598), (237, 29640), (269, 29769), (283, 29829), (296, 29886), (310, 29940), (314, 29955), (355, 30063), (363, 30096), (382, 30177), (385, 30192), (412, 30297), (435, 30411), (476, 30510), (483, 30534),

Gene: Lannister_51 Start: 35058, Stop: 36647, Start Num: 55

Candidate Starts for Lannister_51:

(33, 34986), (35, 34995), (36, 35001), (Start: 55 @35058 has 24 MA's), (89, 35130), (Start: 114 @35184 has 3 MA's), (129, 35268), (132, 35283), (139, 35316), (159, 35418), (164, 35436), (186, 35517), (187, 35520), (211, 35646), (217, 35673), (230, 35730), (233, 35742), (243, 35784), (244, 35787), (254, 35826), (258, 35844), (262, 35856), (323, 36072), (358, 36171), (363, 36195), (369, 36222), (380, 36267), (387, 36300), (429, 36480), (431, 36489), (440, 36528), (469, 36597), (475, 36615),

Gene: LappelDuVide_33 Start: 26636, Stop: 25122, Start Num: 105

Candidate Starts for LappelDuVide_33:

(Start: 76 @26678 has 1 MA's), (Start: 96 @26645 has 15 MA's), (Start: 105 @26636 has 108 MA's), (137, 26474), (151, 26408), (156, 26390), (173, 26315), (177, 26291), (184, 26252), (185, 26249), (202, 26162), (225, 26048), (228, 26036), (273, 25853), (295, 25742), (307, 25691), (351, 25562), (354, 25553), (373, 25478), (375, 25472), (405, 25349), (414, 25310), (458, 25160), (465, 25145),

Gene: LarryKay_36 Start: 27311, Stop: 25743, Start Num: 105

Candidate Starts for LarryKay_36:

(42, 27461), (49, 27446), (82, 27347), (Start: 105 @27311 has 108 MA's), (157, 27056), (162, 27032), (176, 26972), (184, 26924), (185, 26921), (202, 26834), (206, 26822), (208, 26801), (213, 26777), (228, 26708), (244, 26639), (245, 26630), (273, 26525), (279, 26480), (307, 26348), (338, 26264),

(353, 26207), (405, 26000), (434, 25859),

Gene: Lego_49 Start: 35038, Stop: 36447, Start Num: 108

Candidate Starts for Lego_49:

(Start: 108 @35038 has 217 MA's), (131, 35152), (Start: 136 @35176 has 1 MA's), (153, 35260), (183, 35371), (187, 35383), (189, 35392), (208, 35491), (228, 35584), (230, 35596), (237, 35623), (284, 35782), (370, 36103), (374, 36115), (382, 36148), (422, 36286),

Gene: Lemur_33 Start: 26634, Stop: 25120, Start Num: 105

Candidate Starts for Lemur_33:

(Start: 76 @26676 has 1 MA's), (Start: 96 @26643 has 15 MA's), (Start: 105 @26634 has 108 MA's), (137, 26472), (151, 26406), (156, 26388), (173, 26313), (177, 26289), (184, 26250), (185, 26247), (202, 26160), (225, 26046), (228, 26034), (273, 25851), (295, 25740), (307, 25689), (351, 25560), (354, 25551), (373, 25476), (375, 25470), (405, 25347), (414, 25308), (458, 25158), (465, 25143),

Gene: Lesedi_36 Start: 29315, Stop: 30817, Start Num: 108

Candidate Starts for Lesedi_36:

(Start: 54 @29234 has 29 MA's), (Start: 57 @29240 has 3 MA's), (Start: 60 @29246 has 9 MA's), (Start: 61 @29249 has 10 MA's), (Start: 64 @29264 has 1 MA's), (Start: 108 @29315 has 217 MA's), (151, 29534), (153, 29540), (157, 29561), (190, 29690), (192, 29699), (193, 29708), (215, 29816), (220, 29837), (222, 29849), (228, 29873), (237, 29915), (269, 30044), (283, 30104), (296, 30161), (310, 30215), (314, 30230), (355, 30338), (363, 30371), (382, 30452), (385, 30467), (412, 30572), (435, 30686), (476, 30785), (483, 30809),

Gene: Lev2_30 Start: 25599, Stop: 24106, Start Num: 108

Candidate Starts for Lev2_30:

(Start: 108 @25599 has 217 MA's), (Start: 117 @25566 has 1 MA's), (Start: 118 @25563 has 3 MA's), (Start: 120 @25545 has 4 MA's), (Start: 136 @25464 has 1 MA's), (167, 25320), (173, 25293), (187, 25245), (220, 25080), (225, 25056), (226, 25053), (230, 25032), (279, 24843), (323, 24672), (359, 24537), (369, 24495), (373, 24483), (393, 24399), (396, 24384), (403, 24369), (442, 24192), (462, 24162), (477, 24129),

Gene: Levia_34 Start: 29230, Stop: 30810, Start Num: 61

Candidate Starts for Levia_34:

(Start: 54 @29215 has 29 MA's), (Start: 57 @29221 has 3 MA's), (Start: 60 @29227 has 9 MA's), (Start: 61 @29230 has 10 MA's), (Start: 64 @29245 has 1 MA's), (Start: 108 @29296 has 217 MA's), (Start: 113 @29311 has 10 MA's), (151, 29515), (153, 29521), (157, 29542), (187, 29659), (190, 29671), (192, 29680), (193, 29689), (211, 29785), (215, 29797), (220, 29818), (222, 29830), (228, 29854), (269, 30025), (283, 30085), (296, 30142), (304, 30169), (310, 30196), (311, 30199), (314, 30211), (355, 30319), (382, 30433), (385, 30448), (435, 30667),

Gene: Licorice_39 Start: 30385, Stop: 31887, Start Num: 108

Candidate Starts for Licorice_39:

(Start: 54 @30304 has 29 MA's), (Start: 57 @30310 has 3 MA's), (Start: 60 @30316 has 9 MA's), (Start: 61 @30319 has 10 MA's), (Start: 64 @30334 has 1 MA's), (Start: 108 @30385 has 217 MA's), (153, 30610), (190, 30760), (192, 30769), (193, 30778), (215, 30886), (220, 30907), (222, 30919), (228, 30943), (237, 30985), (269, 31114), (283, 31174), (296, 31231), (304, 31258), (310, 31285), (314, 31300), (343, 31369), (355, 31408), (363, 31441), (382, 31522), (385, 31537), (435, 31756), (476, 31855), (483, 31879),

Gene: Liebe_51 Start: 37490, Stop: 38902, Start Num: 108

Candidate Starts for Liebe_51:

(Start: 108 @37490 has 217 MA's), (Start: 136 @37628 has 1 MA's), (164, 37763), (183, 37823), (187, 37835), (191, 37853), (198, 37892), (226, 38027), (228, 38036), (269, 38168), (272, 38180), (289, 38261), (351, 38471), (360, 38504), (370, 38546), (378, 38573), (382, 38591), (423, 38732), (432, 38795), (438, 38819), (471, 38897),

Gene: Lika_49 Start: 35118, Stop: 36695, Start Num: 55

Candidate Starts for Lika_49:

(Start: 34 @35052 has 7 MA's), (Start: 55 @35118 has 24 MA's), (Start: 114 @35238 has 3 MA's), (132, 35337), (Start: 136 @35355 has 1 MA's), (147, 35406), (163, 35487), (164, 35490), (185, 35562), (186, 35571), (187, 35574), (217, 35727), (230, 35784), (231, 35787), (233, 35796), (294, 36024), (310, 36090), (323, 36120), (358, 36219), (363, 36243), (366, 36252), (371, 36276), (387, 36348), (431, 36537), (440, 36576), (450, 36600), (455, 36615), (461, 36630),

Gene: LilBib_37 Start: 30176, Stop: 31678, Start Num: 108

Candidate Starts for LilBib_37:

(Start: 54 @30095 has 29 MA's), (Start: 57 @30101 has 3 MA's), (Start: 60 @30107 has 9 MA's), (Start: 61 @30110 has 10 MA's), (Start: 64 @30125 has 1 MA's), (Start: 108 @30176 has 217 MA's), (Start: 113 @30191 has 10 MA's), (151, 30395), (153, 30401), (156, 30413), (157, 30422), (190, 30551), (192, 30560), (193, 30569), (215, 30677), (222, 30710), (228, 30734), (237, 30776), (269, 30905), (283, 30965), (296, 31022), (304, 31049), (310, 31076), (314, 31091), (355, 31199), (363, 31232), (382, 31313), (385, 31328), (412, 31433), (435, 31547), (476, 31646), (483, 31670),

Gene: Lilbooboo_54 Start: 38473, Stop: 40032, Start Num: 116

Candidate Starts for Lilbooboo_54:

(Start: 74 @38377 has 3 MA's), (Start: 98 @38422 has 1 MA's), (Start: 105 @38431 has 108 MA's), (Start: 116 @38473 has 3 MA's), (152, 38659), (153, 38662), (159, 38695), (161, 38704), (171, 38743), (179, 38779), (185, 38809), (187, 38821), (198, 38878), (199, 38881), (203, 38899), (205, 38908), (275, 39235), (277, 39247), (279, 39265), (282, 39292), (292, 39337), (308, 39409), (310, 39415), (312, 39421), (323, 39445), (340, 39490), (353, 39544), (368, 39604), (387, 39688), (420, 39805), (432, 39877), (459, 39955), (465, 39967),

Gene: Lillie_29 Start: 23636, Stop: 22140, Start Num: 93

Candidate Starts for Lillie_29:

(Start: 93 @23636 has 32 MA's), (Start: 108 @23615 has 217 MA's), (Start: 110 @23609 has 3 MA's), (Start: 136 @23480 has 1 MA's), (145, 23432), (192, 23240), (213, 23129), (226, 23069), (229, 23057), (243, 22994), (251, 22964), (259, 22931), (266, 22910), (272, 22880), (277, 22865), (279, 22859), (286, 22811), (294, 22778), (307, 22721), (323, 22682), (325, 22676), (358, 22580), (366, 22547), (370, 22526), (373, 22517), (414, 22355),

Gene: LisoBros_46 Start: 36667, Stop: 38088, Start Num: 108

Candidate Starts for LisoBros_46:

(Start: 108 @36667 has 217 MA's), (132, 36784), (142, 36841), (152, 36883), (157, 36907), (159, 36919), (169, 36952), (183, 36997), (187, 37009), (191, 37027), (193, 37039), (209, 37120), (218, 37168), (237, 37249), (243, 37276), (260, 37309), (266, 37327), (273, 37360), (284, 37408), (319, 37546), (369, 37729), (410, 37876), (429, 37969), (440, 38017), (453, 38047), (459, 38065),

Gene: LittleB_33 Start: 26638, Stop: 25124, Start Num: 105

Candidate Starts for LittleB_33:

(Start: 76 @26680 has 1 MA's), (Start: 96 @26647 has 15 MA's), (Start: 105 @26638 has 108 MA's), (137, 26476), (151, 26410), (156, 26392), (173, 26317), (177, 26293), (184, 26254), (185, 26251), (202, 26164), (225, 26050), (228, 26038), (273, 25855), (295, 25744), (307, 25693), (351, 25564), (354, 25555), (373, 25480), (375, 25474), (405, 25351), (414, 25312), (458, 25162), (465, 25147),

Gene: LittleCherry_30 Start: 25778, Stop: 24285, Start Num: 108

Candidate Starts for LittleCherry_30:

(Start: 108 @25778 has 217 MA's), (Start: 117 @25745 has 1 MA's), (Start: 118 @25742 has 3 MA's), (Start: 120 @25724 has 4 MA's), (Start: 136 @25643 has 1 MA's), (167, 25499), (173, 25472), (187, 25424), (220, 25259), (225, 25235), (226, 25232), (230, 25211), (279, 25022), (310, 24881), (323, 24851), (369, 24674), (373, 24662), (393, 24578), (396, 24563), (403, 24548), (442, 24371), (462, 24341), (477, 24308),

Gene: LittleGuy_33 Start: 26578, Stop: 25082, Start Num: 108

Candidate Starts for LittleGuy_33:

(Start: 65 @26644 has 10 MA's), (Start: 108 @26578 has 217 MA's), (Start: 114 @26560 has 3 MA's), (124, 26506), (134, 26455), (Start: 136 @26443 has 1 MA's), (161, 26317), (168, 26296), (175, 26266), (186, 26227), (194, 26188), (212, 26098), (225, 26038), (238, 25984), (272, 25846), (336, 25615), (358, 25525), (367, 25489), (373, 25462), (386, 25399), (436, 25189), (442, 25171), (454, 25159), (457, 25150),

Gene: Lizalica_49 Start: 34782, Stop: 36191, Start Num: 108

Candidate Starts for Lizalica_49:

(Start: 108 @34782 has 217 MA's), (153, 35004), (163, 35052), (183, 35115), (187, 35127), (189, 35136), (208, 35235), (228, 35328), (237, 35367), (284, 35526), (367, 35829), (370, 35847), (374, 35859), (382, 35892), (422, 36030),

Gene: LochMonster_33 Start: 26613, Stop: 25117, Start Num: 108

Candidate Starts for LochMonster_33:

(Start: 65 @26679 has 10 MA's), (Start: 108 @26613 has 217 MA's), (Start: 114 @26595 has 3 MA's), (125, 26538), (127, 26520), (134, 26490), (Start: 136 @26478 has 1 MA's), (161, 26352), (168, 26331), (175, 26301), (186, 26262), (194, 26223), (212, 26133), (225, 26073), (238, 26019), (272, 25881), (336, 25650), (358, 25560), (367, 25524), (373, 25497), (384, 25443), (386, 25434), (436, 25224), (442, 25206), (454, 25194), (457, 25185),

Gene: Lockley_38 Start: 29430, Stop: 30932, Start Num: 108

Candidate Starts for Lockley_38:

(Start: 54 @29349 has 29 MA's), (Start: 57 @29355 has 3 MA's), (Start: 60 @29361 has 9 MA's), (Start: 61 @29364 has 10 MA's), (Start: 64 @29379 has 1 MA's), (Start: 108 @29430 has 217 MA's), (Start: 111 @29439 has 2 MA's), (Start: 113 @29445 has 10 MA's), (115, 29454), (151, 29649), (153, 29655), (157, 29676), (187, 29793), (190, 29805), (192, 29814), (193, 29823), (215, 29931), (220, 29952), (222, 29964), (228, 29988), (237, 30030), (269, 30159), (283, 30219), (296, 30276), (310, 30330), (314, 30345), (353, 30447), (355, 30453), (382, 30567), (385, 30582), (435, 30801), (476, 30900), (483, 30924),

Gene: London_48 Start: 35959, Stop: 37380, Start Num: 104

Candidate Starts for London_48:

(91, 35941), (101, 35956), (Start: 104 @35959 has 34 MA's), (Start: 108 @35968 has 217 MA's), (131, 36082), (Start: 136 @36106 has 1 MA's), (153, 36190), (159, 36223), (163, 36238), (183, 36301), (187, 36313), (189, 36322), (208, 36421), (216, 36463), (228, 36514), (237, 36553), (267, 36631), (272, 36658), (367, 37018), (368, 37027), (370, 37036), (374, 37048), (422, 37219), (437, 37306),

Gene: Lopton_38 Start: 30822, Stop: 32324, Start Num: 108

Candidate Starts for Lopton_38:

(Start: 54 @30741 has 29 MA's), (Start: 57 @30747 has 3 MA's), (Start: 60 @30753 has 9 MA's), (Start: 61 @30756 has 10 MA's), (Start: 64 @30771 has 1 MA's), (Start: 108 @30822 has 217 MA's), (132, 30939), (151, 31041), (153, 31047), (157, 31068), (187, 31185), (190, 31197), (192, 31206), (193, 31215), (215, 31323), (220, 31344), (222, 31356), (228, 31380), (237, 31422), (269, 31551),

(283, 31611), (296, 31668), (304, 31695), (310, 31722), (311, 31725), (314, 31737), (343, 31806), (355, 31845), (363, 31878), (382, 31959), (385, 31974), (412, 32079), (435, 32193), (476, 32292), (483, 32316),

Gene: Lorelei_51 Start: 35146, Stop: 36723, Start Num: 55

Candidate Starts for Lorelei_51:

(Start: 34 @35080 has 7 MA's), (Start: 55 @35146 has 24 MA's), (Start: 114 @35266 has 3 MA's), (Start: 136 @35383 has 1 MA's), (147, 35434), (163, 35515), (164, 35518), (185, 35590), (186, 35599), (187, 35602), (188, 35605), (192, 35623), (217, 35755), (230, 35812), (231, 35815), (233, 35824), (240, 35848), (257, 35917), (292, 36043), (294, 36052), (310, 36118), (323, 36148), (358, 36247), (363, 36271), (366, 36280), (371, 36304), (387, 36376), (431, 36565), (440, 36604), (450, 36628), (455, 36643), (461, 36658),

Gene: Lorenzo_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for Lorenzo_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Louie6_36 Start: 27310, Stop: 25742, Start Num: 105

Candidate Starts for Louie6_36:

(42, 27460), (49, 27445), (82, 27346), (Start: 105 @27310 has 108 MA's), (157, 27055), (162, 27031), (176, 26971), (184, 26923), (185, 26920), (202, 26833), (206, 26821), (208, 26800), (213, 26776), (228, 26707), (244, 26638), (245, 26629), (273, 26524), (279, 26479), (307, 26347), (338, 26263), (353, 26206), (405, 25999), (434, 25858),

Gene: LunarLander_38 Start: 29509, Stop: 31008, Start Num: 108

Candidate Starts for LunarLander_38:

(Start: 54 @29428 has 29 MA's), (Start: 57 @29434 has 3 MA's), (Start: 60 @29440 has 9 MA's), (Start: 61 @29443 has 10 MA's), (Start: 64 @29458 has 1 MA's), (Start: 108 @29509 has 217 MA's), (151, 29728), (153, 29734), (157, 29755), (190, 29884), (192, 29893), (193, 29902), (215, 30010), (220, 30031), (222, 30043), (228, 30067), (237, 30109), (269, 30238), (283, 30298), (296, 30355), (304, 30382), (310, 30409), (311, 30412), (314, 30424), (353, 30523), (363, 30562), (382, 30643), (385, 30658), (412, 30763), (435, 30877), (476, 30976), (483, 31000),

Gene: Lunsford_34 Start: 26634, Stop: 25120, Start Num: 105

Candidate Starts for Lunsford_34:

(Start: 76 @26676 has 1 MA's), (Start: 96 @26643 has 15 MA's), (Start: 105 @26634 has 108 MA's), (137, 26472), (151, 26406), (156, 26388), (173, 26313), (177, 26289), (184, 26250), (185, 26247), (225, 26046), (228, 26034), (273, 25851), (295, 25740), (307, 25689), (351, 25560), (354, 25551), (373, 25476), (375, 25470), (405, 25347), (414, 25308), (458, 25158), (465, 25143),

Gene: MPlant7149_37 Start: 29019, Stop: 30602, Start Num: 54

Candidate Starts for MPlant7149_37:

(Start: 54 @29019 has 29 MA's), (Start: 57 @29025 has 3 MA's), (Start: 60 @29031 has 9 MA's), (Start: 61 @29034 has 10 MA's), (Start: 64 @29049 has 1 MA's), (Start: 108 @29100 has 217 MA's), (Start: 130 @29208 has 1 MA's), (151, 29319), (153, 29325), (156, 29337), (157, 29346), (165, 29379), (187, 29463), (190, 29475), (192, 29484), (193, 29493), (215, 29601), (220, 29622), (222, 29634), (228, 29658), (237, 29700), (269, 29829), (283, 29889), (296, 29946), (304, 29973), (306, 29988), (307, 29991), (310, 30000), (311, 30003), (314, 30015), (343, 30084), (355, 30123), (363, 30156), (382, 30237), (385, 30252), (412, 30357), (435, 30471), (476, 30570), (483, 30594),

Gene: MaGuCo_47 Start: 36178, Stop: 37593, Start Num: 108

Candidate Starts for MaGuCo_47:

(Start: 108 @36178 has 217 MA's), (Start: 136 @36316 has 1 MA's), (183, 36511), (187, 36523), (191, 36541), (203, 36601), (206, 36610), (226, 36715), (228, 36724), (269, 36856), (272, 36868), (289, 36949), (351, 37159), (360, 37192), (370, 37234), (378, 37261), (382, 37279), (423, 37420), (432, 37483), (436, 37501), (438, 37507), (468, 37579), (471, 37585),

Gene: Mabodamaca_60 Start: 40399, Stop: 41982, Start Num: 74

Candidate Starts for Mabodamaca_60:

(Start: 69 @40381 has 1 MA's), (Start: 74 @40399 has 3 MA's), (Start: 86 @40417 has 2 MA's), (147, 40633), (158, 40693), (192, 40855), (196, 40879), (264, 41197), (318, 41431), (358, 41554), (381, 41659), (390, 41695), (399, 41719), (403, 41728), (417, 41782), (420, 41794), (427, 41839), (440, 41896),

Gene: Magnar_37 Start: 29288, Stop: 30790, Start Num: 108

Candidate Starts for Magnar_37:

(Start: 54 @29207 has 29 MA's), (Start: 57 @29213 has 3 MA's), (Start: 60 @29219 has 9 MA's), (Start: 61 @29222 has 10 MA's), (Start: 64 @29237 has 1 MA's), (Start: 108 @29288 has 217 MA's), (Start: 113 @29303 has 10 MA's), (151, 29507), (153, 29513), (156, 29525), (157, 29534), (187, 29651), (190, 29663), (192, 29672), (193, 29681), (215, 29789), (220, 29810), (222, 29822), (228, 29846), (237, 29888), (269, 30017), (283, 30077), (296, 30134), (304, 30161), (310, 30188), (311, 30191), (314, 30203), (343, 30272), (355, 30311), (363, 30344), (382, 30425), (385, 30440), (412, 30545), (435, 30659), (476, 30758), (483, 30782),

Gene: Magnito_36 Start: 29012, Stop: 30595, Start Num: 54

Candidate Starts for Magnito_36:

(Start: 54 @29012 has 29 MA's), (Start: 57 @29018 has 3 MA's), (Start: 60 @29024 has 9 MA's), (Start: 61 @29027 has 10 MA's), (Start: 64 @29042 has 1 MA's), (Start: 108 @29093 has 217 MA's), (151, 29312), (153, 29318), (157, 29339), (190, 29468), (192, 29477), (193, 29486), (215, 29594), (220, 29615), (222, 29627), (228, 29651), (237, 29693), (269, 29822), (283, 29882), (296, 29939), (310, 29993), (311, 29996), (314, 30008), (355, 30116), (363, 30149), (365, 30152), (382, 30230), (385, 30245), (412, 30350), (416, 30365), (435, 30464), (476, 30563), (483, 30587),

Gene: Makemake_38 Start: 30742, Stop: 32256, Start Num: 108

Candidate Starts for Makemake_38:

(Start: 54 @30661 has 29 MA's), (Start: 57 @30667 has 3 MA's), (Start: 60 @30673 has 9 MA's), (Start: 61 @30676 has 10 MA's), (Start: 64 @30691 has 1 MA's), (Start: 108 @30742 has 217 MA's), (Start: 113 @30757 has 10 MA's), (151, 30961), (153, 30967), (157, 30988), (187, 31105), (190, 31117), (192, 31126), (193, 31135), (194, 31141), (211, 31231), (215, 31243), (222, 31276), (269, 31471), (279, 31504), (283, 31531), (296, 31588), (310, 31642), (314, 31657), (355, 31765), (363, 31798), (382, 31879), (385, 31894), (435, 32113),

Gene: Manatee_38 Start: 29063, Stop: 30628, Start Num: 61

Candidate Starts for Manatee_38:

(Start: 54 @29048 has 29 MA's), (Start: 57 @29054 has 3 MA's), (Start: 60 @29060 has 9 MA's), (Start: 61 @29063 has 10 MA's), (Start: 64 @29078 has 1 MA's), (Start: 108 @29129 has 217 MA's), (151, 29348), (153, 29354), (157, 29375), (187, 29492), (190, 29504), (192, 29513), (193, 29522), (194, 29528), (211, 29618), (215, 29630), (220, 29651), (222, 29663), (228, 29687), (237, 29729), (269, 29858), (283, 29918), (296, 29975), (300, 29990), (310, 30029), (314, 30044), (363, 30182), (373, 30221), (379, 30248), (385, 30278), (435, 30497), (476, 30596), (483, 30620),

Gene: Maneekul_50 Start: 36203, Stop: 37825, Start Num: 53

Candidate Starts for Maneekul_50:

(Start: 34 @36146 has 7 MA's), (Start: 53 @36203 has 5 MA's), (Start: 55 @36212 has 24 MA's), (Start: 114 @36359 has 3 MA's), (132, 36458), (Start: 136 @36476 has 1 MA's), (147, 36527), (163, 36608), (164, 36611), (185, 36683), (186, 36692), (187, 36695), (211, 36821), (217, 36848), (233, 36917), (244, 36962), (262, 37031), (271, 37058), (284, 37106), (294, 37154), (305, 37193), (310, 37220), (323, 37250), (363, 37373), (377, 37433), (387, 37478), (421, 37607), (429, 37658), (431, 37667), (440, 37706), (450, 37730), (455, 37745), (461, 37760), (469, 37775),

Gene: Marcell_37 Start: 29790, Stop: 31292, Start Num: 108

Candidate Starts for Marcell_37:

(Start: 54 @29709 has 29 MA's), (Start: 57 @29715 has 3 MA's), (Start: 61 @29724 has 10 MA's), (Start: 64 @29739 has 1 MA's), (Start: 108 @29790 has 217 MA's), (151, 30009), (153, 30015), (157, 30036), (165, 30069), (190, 30165), (192, 30174), (193, 30183), (215, 30291), (220, 30312), (222, 30324), (228, 30348), (237, 30390), (269, 30519), (283, 30579), (296, 30636), (310, 30690), (311, 30693), (314, 30705), (355, 30813), (363, 30846), (382, 30927), (385, 30942), (412, 31047), (435, 31161), (476, 31260), (483, 31284),

Gene: Marchy_32 Start: 26377, Stop: 27891, Start Num: 108

Candidate Starts for Marchy_32:

(Start: 54 @26296 has 29 MA's), (Start: 57 @26302 has 3 MA's), (Start: 60 @26308 has 9 MA's), (Start: 61 @26311 has 10 MA's), (Start: 64 @26326 has 1 MA's), (Start: 108 @26377 has 217 MA's), (151, 26596), (153, 26602), (157, 26623), (190, 26752), (192, 26761), (193, 26770), (211, 26866), (215, 26878), (222, 26911), (230, 26947), (269, 27106), (283, 27166), (296, 27223), (310, 27277), (314, 27292), (355, 27400), (373, 27472), (382, 27514), (385, 27529), (435, 27748),

Gene: Marco3_37 Start: 29594, Stop: 31177, Start Num: 54

Candidate Starts for Marco3_37:

(Start: 54 @29594 has 29 MA's), (Start: 57 @29600 has 3 MA's), (Start: 60 @29606 has 9 MA's), (Start: 61 @29609 has 10 MA's), (Start: 64 @29624 has 1 MA's), (Start: 108 @29675 has 217 MA's), (Start: 130 @29783 has 1 MA's), (151, 29894), (153, 29900), (157, 29921), (187, 30038), (190, 30050), (192, 30059), (193, 30068), (215, 30176), (220, 30197), (222, 30209), (228, 30233), (237, 30275), (269, 30404), (283, 30464), (296, 30521), (310, 30575), (311, 30578), (314, 30590), (355, 30698), (363, 30731), (382, 30812), (385, 30827), (412, 30932), (435, 31046), (476, 31145), (483, 31169),

Gene: Marge_38 Start: 30106, Stop: 31677, Start Num: 60

Candidate Starts for Marge_38:

(Start: 57 @30100 has 3 MA's), (Start: 60 @30106 has 9 MA's), (Start: 61 @30109 has 10 MA's), (Start: 64 @30124 has 1 MA's), (Start: 108 @30175 has 217 MA's), (151, 30394), (153, 30400), (157, 30421), (190, 30550), (192, 30559), (193, 30568), (215, 30676), (220, 30697), (222, 30709), (228, 30733), (237, 30775), (269, 30904), (283, 30964), (296, 31021), (304, 31048), (310, 31075), (311, 31078), (314, 31090), (343, 31159), (355, 31198), (363, 31231), (382, 31312), (385, 31327), (412, 31432), (435, 31546), (476, 31645), (483, 31669),

Gene: Margo_34 Start: 27255, Stop: 25747, Start Num: 108

Candidate Starts for Margo_34:

(Start: 100 @27270 has 2 MA's), (Start: 108 @27255 has 217 MA's), (Start: 110 @27249 has 3 MA's), (Start: 111 @27246 has 2 MA's), (143, 27078), (145, 27072), (172, 26955), (189, 26895), (211, 26778), (220, 26739), (226, 26712), (229, 26700), (255, 26565), (291, 26412), (313, 26322), (331, 26283), (359, 26193), (369, 26151), (373, 26139), (383, 26094), (387, 26073), (438, 25860), (449, 25839),

Gene: Maroc7_37 Start: 29274, Stop: 30776, Start Num: 108

Candidate Starts for Maroc7_37:

(Start: 54 @29193 has 29 MA's), (Start: 57 @29199 has 3 MA's), (Start: 60 @29205 has 9 MA's), (Start: 61 @29208 has 10 MA's), (Start: 64 @29223 has 1 MA's), (Start: 108 @29274 has 217 MA's),

(Start: 113 @29289 has 10 MA's), (151, 29493), (153, 29499), (190, 29649), (192, 29658), (193, 29667), (215, 29775), (220, 29796), (222, 29808), (228, 29832), (237, 29874), (269, 30003), (283, 30063), (296, 30120), (304, 30147), (310, 30174), (311, 30177), (314, 30189), (343, 30258), (353, 30291), (355, 30297), (363, 30330), (382, 30411), (385, 30426), (412, 30531), (435, 30645), (476, 30744), (483, 30768),

Gene: Marsha_37 Start: 30335, Stop: 31873, Start Num: 108

Candidate Starts for Marsha_37:

(Start: 54 @30254 has 29 MA's), (Start: 57 @30260 has 3 MA's), (Start: 60 @30266 has 9 MA's), (Start: 61 @30269 has 10 MA's), (Start: 64 @30284 has 1 MA's), (Start: 108 @30335 has 217 MA's), (151, 30554), (153, 30560), (190, 30710), (192, 30719), (193, 30728), (194, 30734), (215, 30836), (222, 30869), (230, 30905), (269, 31064), (283, 31124), (296, 31181), (304, 31208), (310, 31235), (314, 31250), (353, 31352), (355, 31358), (363, 31391), (365, 31394), (382, 31472), (385, 31487), (435, 31706),

Gene: MaryBeth_37 Start: 29595, Stop: 31097, Start Num: 108

Candidate Starts for MaryBeth_37:

(Start: 54 @29514 has 29 MA's), (Start: 57 @29520 has 3 MA's), (Start: 60 @29526 has 9 MA's), (Start: 61 @29529 has 10 MA's), (Start: 64 @29544 has 1 MA's), (Start: 108 @29595 has 217 MA's), (Start: 113 @29610 has 10 MA's), (151, 29814), (153, 29820), (156, 29832), (157, 29841), (190, 29970), (192, 29979), (193, 29988), (215, 30096), (220, 30117), (222, 30129), (228, 30153), (237, 30195), (269, 30324), (283, 30384), (296, 30441), (304, 30468), (310, 30495), (311, 30498), (314, 30510), (355, 30618), (363, 30651), (382, 30732), (385, 30747), (412, 30852), (435, 30966), (476, 31065), (483, 31089),

Gene: MarysWell_29 Start: 25772, Stop: 24333, Start Num: 120

Candidate Starts for MarysWell_29:

(Start: 108 @25826 has 217 MA's), (Start: 117 @25793 has 1 MA's), (Start: 118 @25790 has 3 MA's), (Start: 120 @25772 has 4 MA's), (Start: 136 @25691 has 1 MA's), (167, 25547), (173, 25520), (187, 25472), (220, 25307), (225, 25283), (226, 25280), (230, 25259), (279, 25070), (310, 24929), (323, 24899), (369, 24722), (373, 24710), (393, 24626), (396, 24611), (403, 24596), (442, 24419), (462, 24389), (464, 24386), (477, 24356),

Gene: Maureen_51 Start: 37489, Stop: 38901, Start Num: 108

Candidate Starts for Maureen_51:

(Start: 108 @37489 has 217 MA's), (Start: 136 @37627 has 1 MA's), (164, 37762), (183, 37822), (187, 37834), (191, 37852), (198, 37891), (226, 38026), (228, 38035), (269, 38167), (272, 38179), (289, 38260), (351, 38470), (360, 38503), (370, 38545), (378, 38572), (382, 38590), (423, 38731), (432, 38794), (438, 38818), (471, 38896),

Gene: Maverick_33 Start: 26646, Stop: 25123, Start Num: 96

Candidate Starts for Maverick_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Mayonnaise_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for Mayonnaise_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Mazhar510_33 Start: 26638, Stop: 25124, Start Num: 105

Candidate Starts for Mazhar510_33:

(Start: 76 @26680 has 1 MA's), (Start: 96 @26647 has 15 MA's), (Start: 105 @26638 has 108 MA's),
(137, 26476), (151, 26410), (156, 26392), (173, 26317), (177, 26293), (184, 26254), (185, 26251),
(225, 26050), (228, 26038), (273, 25855), (295, 25744), (307, 25693), (351, 25564), (354, 25555),
(373, 25480), (375, 25474), (405, 25351), (414, 25312), (458, 25162), (465, 25147),

Gene: McGuire_38 Start: 29330, Stop: 30922, Start Num: 50

Candidate Starts for McGuire_38:

(Start: 50 @29330 has 1 MA's), (Start: 71 @29375 has 3 MA's), (Start: 108 @29420 has 217 MA's),
(Start: 113 @29435 has 10 MA's), (115, 29444), (132, 29537), (151, 29639), (153, 29645), (157,
29666), (187, 29783), (190, 29795), (192, 29804), (193, 29813), (215, 29921), (220, 29942), (222,
29954), (228, 29978), (237, 30020), (269, 30149), (283, 30209), (296, 30266), (304, 30293), (310,
30320), (311, 30323), (314, 30335), (343, 30404), (353, 30437), (355, 30443), (363, 30476), (382,
30557), (385, 30572), (412, 30677), (435, 30791), (476, 30890), (483, 30914),

Gene: McSinger_38 Start: 29906, Stop: 31483, Start Num: 57

Candidate Starts for McSinger_38:

(Start: 54 @29900 has 29 MA's), (Start: 57 @29906 has 3 MA's), (Start: 60 @29912 has 9 MA's),
(Start: 61 @29915 has 10 MA's), (Start: 64 @29930 has 1 MA's), (Start: 108 @29981 has 217 MA's),
(151, 30200), (153, 30206), (190, 30356), (192, 30365), (193, 30374), (215, 30482), (220, 30503),
(222, 30515), (228, 30539), (237, 30581), (269, 30710), (283, 30770), (296, 30827), (304, 30854),
(310, 30881), (311, 30884), (314, 30896), (343, 30965), (355, 31004), (363, 31037), (382, 31118),
(385, 31133), (412, 31238), (435, 31352), (438, 31364), (476, 31451), (483, 31475),

Gene: MeeZee_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for MeeZee_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's),
(137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250),
(202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563),
(354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: MegTheThird_33 Start: 26339, Stop: 24783, Start Num: 103

Candidate Starts for MegTheThird_33:

(Start: 103 @26339 has 3 MA's), (Start: 108 @26327 has 217 MA's), (128, 26225), (Start: 136 @26186
has 1 MA's), (157, 26081), (162, 26057), (173, 26015), (185, 25943), (186, 25934), (197, 25883), (208,
25823), (230, 25718), (241, 25679), (243, 25664), (244, 25661), (250, 25637), (261, 25595), (267,
25577), (273, 25547), (279, 25529), (282, 25505), (310, 25388), (319, 25358), (351, 25277), (353,
25271), (369, 25205), (373, 25193), (380, 25160), (392, 25112), (401, 25079), (405, 25064), (412,
25034), (414, 25025), (416, 25019), (432, 24932), (437, 24911), (440, 24902), (478, 24815),

Gene: MetalQZJ_37 Start: 29595, Stop: 31097, Start Num: 108

Candidate Starts for MetalQZJ_37:

(Start: 54 @29514 has 29 MA's), (Start: 57 @29520 has 3 MA's), (Start: 60 @29526 has 9 MA's),
(Start: 61 @29529 has 10 MA's), (Start: 64 @29544 has 1 MA's), (Start: 108 @29595 has 217 MA's),
(Start: 113 @29610 has 10 MA's), (151, 29814), (153, 29820), (156, 29832), (157, 29841), (190,
29970), (192, 29979), (193, 29988), (215, 30096), (220, 30117), (222, 30129), (228, 30153), (237,
30195), (269, 30324), (283, 30384), (296, 30441), (304, 30468), (310, 30495), (311, 30498), (314,
30510), (355, 30618), (363, 30651), (382, 30732), (385, 30747), (412, 30852), (435, 30966), (476,
31065), (483, 31089),

Gene: Methuselah_35 Start: 27305, Stop: 25737, Start Num: 105

Candidate Starts for Methuselah_35:

(42, 27455), (49, 27440), (82, 27341), (Start: 105 @27305 has 108 MA's), (157, 27050), (162, 27026), (176, 26966), (184, 26918), (185, 26915), (202, 26828), (206, 26816), (208, 26795), (213, 26771), (228, 26702), (244, 26633), (245, 26624), (273, 26519), (279, 26474), (307, 26342), (338, 26258), (353, 26201), (405, 25994), (434, 25853),

Gene: Micasa_30 Start: 25752, Stop: 24259, Start Num: 108

Candidate Starts for Micasa_30:

(Start: 108 @25752 has 217 MA's), (Start: 117 @25719 has 1 MA's), (Start: 118 @25716 has 3 MA's), (Start: 120 @25698 has 4 MA's), (Start: 136 @25617 has 1 MA's), (167, 25473), (173, 25446), (187, 25398), (195, 25356), (220, 25233), (225, 25209), (226, 25206), (230, 25185), (244, 25128), (279, 24996), (310, 24855), (323, 24825), (369, 24648), (373, 24636), (393, 24552), (396, 24537), (403, 24522), (442, 24345), (462, 24315),

Gene: Michley_37 Start: 29186, Stop: 30769, Start Num: 54

Candidate Starts for Michley_37:

(Start: 54 @29186 has 29 MA's), (Start: 57 @29192 has 3 MA's), (Start: 60 @29198 has 9 MA's), (Start: 61 @29201 has 10 MA's), (Start: 64 @29216 has 1 MA's), (Start: 108 @29267 has 217 MA's), (Start: 113 @29282 has 10 MA's), (151, 29486), (153, 29492), (156, 29504), (157, 29513), (190, 29642), (192, 29651), (193, 29660), (215, 29768), (220, 29789), (222, 29801), (228, 29825), (237, 29867), (269, 29996), (283, 30056), (296, 30113), (304, 30140), (310, 30167), (311, 30170), (314, 30182), (355, 30290), (363, 30323), (382, 30404), (385, 30419), (412, 30524), (435, 30638), (476, 30737), (483, 30761),

Gene: Midas2_30 Start: 25826, Stop: 24333, Start Num: 108

Candidate Starts for Midas2_30:

(Start: 108 @25826 has 217 MA's), (Start: 117 @25793 has 1 MA's), (Start: 118 @25790 has 3 MA's), (Start: 120 @25772 has 4 MA's), (Start: 136 @25691 has 1 MA's), (167, 25547), (173, 25520), (187, 25472), (220, 25307), (225, 25283), (226, 25280), (230, 25259), (244, 25202), (279, 25070), (310, 24929), (323, 24899), (369, 24722), (373, 24710), (393, 24626), (396, 24611), (403, 24596), (442, 24419), (462, 24389), (477, 24356),

Gene: Milcery_30 Start: 25782, Stop: 24289, Start Num: 108

Candidate Starts for Milcery_30:

(Start: 108 @25782 has 217 MA's), (Start: 117 @25749 has 1 MA's), (Start: 118 @25746 has 3 MA's), (Start: 120 @25728 has 4 MA's), (Start: 136 @25647 has 1 MA's), (167, 25503), (173, 25476), (187, 25428), (220, 25263), (225, 25239), (226, 25236), (230, 25215), (279, 25026), (310, 24885), (323, 24855), (369, 24678), (373, 24666), (393, 24582), (396, 24567), (403, 24552), (442, 24375), (462, 24345), (477, 24312),

Gene: MilleFeuille_36 Start: 29443, Stop: 30945, Start Num: 108

Candidate Starts for MilleFeuille_36:

(Start: 54 @29362 has 29 MA's), (Start: 57 @29368 has 3 MA's), (Start: 60 @29374 has 9 MA's), (Start: 61 @29377 has 10 MA's), (Start: 64 @29392 has 1 MA's), (Start: 108 @29443 has 217 MA's), (Start: 113 @29458 has 10 MA's), (151, 29662), (153, 29668), (156, 29680), (157, 29689), (187, 29806), (190, 29818), (192, 29827), (193, 29836), (215, 29944), (220, 29965), (222, 29977), (228, 30001), (269, 30172), (296, 30289), (304, 30316), (310, 30343), (314, 30358), (355, 30466), (363, 30499), (382, 30580), (385, 30595), (412, 30700), (433, 30805), (435, 30814), (476, 30913), (483, 30937),

Gene: Millski_32 Start: 26641, Stop: 25127, Start Num: 105

Candidate Starts for Millski_32:

(Start: 76 @26683 has 1 MA's), (Start: 96 @26650 has 15 MA's), (Start: 105 @26641 has 108 MA's), (137, 26479), (151, 26413), (156, 26395), (173, 26320), (177, 26296), (184, 26257), (185, 26254), (202, 26167), (225, 26053), (228, 26041), (273, 25858), (295, 25747), (307, 25696), (351, 25567), (354, 25558), (373, 25483), (375, 25477), (405, 25354), (414, 25315), (458, 25165), (465, 25150),

Gene: Miramae_33 Start: 26969, Stop: 25407, Start Num: 65

Candidate Starts for Miramae_33:

(Start: 65 @26969 has 10 MA's), (Start: 102 @26912 has 1 MA's), (Start: 108 @26903 has 217 MA's), (Start: 114 @26885 has 3 MA's), (125, 26828), (134, 26780), (Start: 136 @26768 has 1 MA's), (161, 26642), (168, 26621), (169, 26618), (175, 26591), (186, 26552), (212, 26423), (225, 26363), (272, 26171), (310, 26009), (367, 25814), (373, 25787), (384, 25733), (386, 25724), (436, 25514), (442, 25496), (454, 25484), (457, 25475), (466, 25457),

Gene: Misomonster_38 Start: 27308, Stop: 25740, Start Num: 105

Candidate Starts for Misomonster_38:

(42, 27458), (49, 27443), (82, 27344), (Start: 105 @27308 has 108 MA's), (157, 27053), (162, 27029), (176, 26969), (184, 26921), (185, 26918), (202, 26831), (206, 26819), (208, 26798), (213, 26774), (228, 26705), (244, 26636), (245, 26627), (273, 26522), (279, 26477), (307, 26345), (338, 26261), (353, 26204), (405, 25997), (434, 25856),

Gene: MissSwiss_52 Start: 34520, Stop: 35938, Start Num: 104

Candidate Starts for MissSwiss_52:

(91, 34502), (101, 34517), (Start: 104 @34520 has 34 MA's), (Start: 108 @34529 has 217 MA's), (131, 34643), (153, 34751), (163, 34799), (183, 34862), (187, 34874), (208, 34982), (228, 35075), (230, 35087), (237, 35114), (243, 35141), (366, 35573), (370, 35594), (390, 35672), (422, 35777),

Gene: Mkhuseli_38 Start: 29400, Stop: 30968, Start Num: 61

Candidate Starts for Mkhuseli_38:

(Start: 54 @29385 has 29 MA's), (Start: 57 @29391 has 3 MA's), (Start: 60 @29397 has 9 MA's), (Start: 61 @29400 has 10 MA's), (Start: 64 @29415 has 1 MA's), (Start: 108 @29466 has 217 MA's), (Start: 113 @29481 has 10 MA's), (135, 29595), (151, 29685), (153, 29691), (156, 29703), (190, 29841), (192, 29850), (193, 29859), (215, 29967), (220, 29988), (222, 30000), (228, 30024), (237, 30066), (269, 30195), (283, 30255), (296, 30312), (304, 30339), (310, 30366), (311, 30369), (314, 30381), (343, 30450), (353, 30483), (355, 30489), (363, 30522), (382, 30603), (385, 30618), (435, 30837), (448, 30873), (476, 30936), (483, 30960),

Gene: Molly_39 Start: 29294, Stop: 30877, Start Num: 54

Candidate Starts for Molly_39:

(Start: 54 @29294 has 29 MA's), (Start: 57 @29300 has 3 MA's), (Start: 60 @29306 has 9 MA's), (Start: 61 @29309 has 10 MA's), (Start: 64 @29324 has 1 MA's), (Start: 108 @29375 has 217 MA's), (112, 29387), (153, 29600), (156, 29612), (157, 29621), (165, 29654), (190, 29750), (192, 29759), (193, 29768), (215, 29876), (220, 29897), (222, 29909), (228, 29933), (237, 29975), (269, 30104), (283, 30164), (296, 30221), (304, 30248), (310, 30275), (311, 30278), (314, 30290), (343, 30359), (353, 30392), (355, 30398), (363, 30431), (382, 30512), (385, 30527), (412, 30632), (435, 30746), (476, 30845), (483, 30869),

Gene: Monet_39 Start: 30804, Stop: 32306, Start Num: 108

Candidate Starts for Monet_39:

(Start: 54 @30723 has 29 MA's), (Start: 57 @30729 has 3 MA's), (Start: 60 @30735 has 9 MA's), (Start: 61 @30738 has 10 MA's), (Start: 64 @30753 has 1 MA's), (Start: 108 @30804 has 217 MA's), (115, 30828), (151, 31023), (153, 31029), (157, 31050), (190, 31179), (192, 31188), (193, 31197), (215, 31305), (220, 31326), (222, 31338), (228, 31362), (237, 31404), (269, 31533), (283, 31593), (296, 31650), (304, 31677), (310, 31704), (314, 31719), (343, 31788), (355, 31827), (363, 31860),

(382, 31941), (385, 31956), (412, 32061), (435, 32175), (438, 32187), (476, 32274), (483, 32298),

Gene: Moose_37 Start: 29620, Stop: 31122, Start Num: 108

Candidate Starts for Moose_37:

(Start: 54 @29539 has 29 MA's), (Start: 57 @29545 has 3 MA's), (Start: 60 @29551 has 9 MA's),
(Start: 61 @29554 has 10 MA's), (Start: 64 @29569 has 1 MA's), (Start: 108 @29620 has 217 MA's),
(Start: 113 @29635 has 10 MA's), (115, 29644), (151, 29839), (153, 29845), (156, 29857), (157,
29866), (190, 29995), (192, 30004), (193, 30013), (215, 30121), (220, 30142), (222, 30154), (228,
30178), (269, 30349), (283, 30409), (296, 30466), (310, 30520), (311, 30523), (314, 30535), (355,
30643), (363, 30676), (373, 30715), (382, 30757), (385, 30772), (435, 30991), (476, 31090), (483,
31114),

Gene: Morpher26_33 Start: 26647, Stop: 25133, Start Num: 105

Candidate Starts for Morpher26_33:

(Start: 76 @26689 has 1 MA's), (Start: 96 @26656 has 15 MA's), (Start: 105 @26647 has 108 MA's),
(137, 26485), (151, 26419), (156, 26401), (173, 26326), (184, 26263), (185, 26260), (202, 26173),
(228, 26047), (273, 25864), (283, 25807), (295, 25753), (307, 25702), (351, 25573), (354, 25564),
(373, 25489), (375, 25483), (404, 25369), (405, 25360), (414, 25321), (458, 25171), (465, 25156),

Gene: Moss_43 Start: 31498, Stop: 32937, Start Num: 107

Candidate Starts for Moss_43:

(Start: 107 @31498 has 20 MA's), (Start: 130 @31609 has 1 MA's), (132, 31618), (147, 31681), (151,
31705), (154, 31714), (187, 31864), (189, 31873), (218, 32029), (220, 32035), (226, 32062), (284,
32296), (322, 32419), (438, 32866), (445, 32881), (446, 32884),

Gene: MrGordo_37 Start: 29130, Stop: 30632, Start Num: 108

Candidate Starts for MrGordo_37:

(Start: 54 @29049 has 29 MA's), (Start: 57 @29055 has 3 MA's), (Start: 60 @29061 has 9 MA's),
(Start: 61 @29064 has 10 MA's), (Start: 64 @29079 has 1 MA's), (Start: 108 @29130 has 217 MA's),
(115, 29154), (153, 29355), (165, 29409), (190, 29505), (192, 29514), (193, 29523), (215, 29631),
(220, 29652), (222, 29664), (228, 29688), (237, 29730), (269, 29859), (283, 29919), (296, 29976),
(304, 30003), (306, 30018), (307, 30021), (310, 30030), (311, 30033), (314, 30045), (343, 30114),
(353, 30147), (355, 30153), (363, 30186), (365, 30189), (382, 30267), (385, 30282), (412, 30387),
(435, 30501), (476, 30600), (483, 30624),

Gene: Mryolo_35 Start: 29138, Stop: 30640, Start Num: 108

Candidate Starts for Mryolo_35:

(Start: 71 @29093 has 3 MA's), (Start: 108 @29138 has 217 MA's), (Start: 113 @29153 has 10 MA's),
(137, 29285), (151, 29357), (153, 29363), (187, 29501), (190, 29513), (192, 29522), (193, 29531),
(215, 29639), (220, 29660), (222, 29672), (228, 29696), (237, 29738), (269, 29867), (283, 29927),
(296, 29984), (310, 30038), (314, 30053), (353, 30155), (355, 30161), (363, 30194), (365, 30197),
(379, 30260), (385, 30290), (412, 30395), (435, 30509), (476, 30608), (483, 30632),

Gene: Mudpuppy_46 Start: 34970, Stop: 36388, Start Num: 104

Candidate Starts for Mudpuppy_46:

(91, 34952), (101, 34967), (Start: 104 @34970 has 34 MA's), (Start: 108 @34979 has 217 MA's), (131,
35093), (153, 35201), (183, 35312), (187, 35324), (189, 35333), (208, 35432), (228, 35525), (230,
35537), (243, 35591), (284, 35723), (358, 35990), (367, 36026), (370, 36044), (374, 36056), (382,
36089), (422, 36227),

Gene: Mundrea_33 Start: 26612, Stop: 25116, Start Num: 108

Candidate Starts for Mundrea_33:

(12, 26912), (20, 26852), (26, 26834), (27, 26825), (Start: 65 @26678 has 10 MA's), (Start: 102 @26621 has 1 MA's), (Start: 108 @26612 has 217 MA's), (Start: 114 @26594 has 3 MA's), (125, 26537), (127, 26519), (134, 26489), (Start: 136 @26477 has 1 MA's), (153, 26393), (161, 26351), (168, 26330), (186, 26261), (212, 26132), (225, 26072), (238, 26018), (272, 25880), (285, 25817), (312, 25712), (336, 25649), (358, 25559), (367, 25523), (373, 25496), (384, 25442), (386, 25433), (436, 25223), (438, 25217), (442, 25205), (454, 25193), (457, 25184),

Gene: Museum_39 Start: 29483, Stop: 30988, Start Num: 111

Candidate Starts for Museum_39:

(Start: 54 @29393 has 29 MA's), (Start: 57 @29399 has 3 MA's), (Start: 60 @29405 has 9 MA's), (Start: 61 @29408 has 10 MA's), (Start: 64 @29423 has 1 MA's), (Start: 108 @29474 has 217 MA's), (Start: 111 @29483 has 2 MA's), (Start: 113 @29489 has 10 MA's), (115, 29498), (Start: 117 @29507 has 1 MA's), (132, 29591), (Start: 136 @29609 has 1 MA's), (151, 29693), (153, 29699), (156, 29711), (157, 29720), (187, 29837), (190, 29849), (192, 29858), (193, 29867), (211, 29963), (215, 29975), (222, 30008), (269, 30203), (283, 30263), (296, 30320), (310, 30374), (311, 30377), (314, 30389), (353, 30491), (355, 30497), (363, 30530), (382, 30611), (385, 30626), (412, 30731), (435, 30845),

Gene: MyraDee_30 Start: 24175, Stop: 22685, Start Num: 105

Candidate Starts for MyraDee_30:

(Start: 105 @24175 has 108 MA's), (112, 24151), (119, 24112), (Start: 136 @24025 has 1 MA's), (151, 23947), (152, 23944), (153, 23941), (157, 23920), (162, 23896), (173, 23854), (176, 23836), (184, 23794), (185, 23791), (202, 23704), (203, 23701), (206, 23692), (222, 23602), (228, 23578), (245, 23500), (263, 23437), (273, 23395), (279, 23365), (284, 23335), (307, 23233), (310, 23224), (360, 23074), (365, 23059), (382, 22981), (383, 22978), (395, 22930), (405, 22894), (426, 22798), (433, 22768), (449, 22723), (452, 22720), (455, 22708),

Gene: Mysterium_42 Start: 31330, Stop: 32769, Start Num: 107

Candidate Starts for Mysterium_42:

(Start: 107 @31330 has 20 MA's), (Start: 111 @31342 has 2 MA's), (Start: 130 @31441 has 1 MA's), (132, 31450), (147, 31513), (151, 31537), (154, 31546), (187, 31696), (189, 31705), (218, 31861), (220, 31867), (226, 31894), (284, 32128), (322, 32251), (398, 32521), (438, 32698), (445, 32713), (446, 32716),

Gene: NEHalo_37 Start: 29293, Stop: 30861, Start Num: 60

Candidate Starts for NEHalo_37:

(Start: 54 @29281 has 29 MA's), (Start: 57 @29287 has 3 MA's), (Start: 60 @29293 has 9 MA's), (Start: 61 @29296 has 10 MA's), (Start: 64 @29311 has 1 MA's), (Start: 108 @29362 has 217 MA's), (Start: 113 @29377 has 10 MA's), (115, 29386), (151, 29581), (153, 29587), (157, 29608), (190, 29737), (192, 29746), (193, 29755), (194, 29761), (211, 29851), (215, 29863), (222, 29896), (237, 29962), (269, 30091), (283, 30151), (296, 30208), (310, 30262), (311, 30265), (314, 30277), (363, 30415), (365, 30418), (373, 30454), (382, 30496), (385, 30511), (412, 30616), (435, 30730), (476, 30829), (483, 30853),

Gene: Nabi_51 Start: 35146, Stop: 36723, Start Num: 55

Candidate Starts for Nabi_51:

(Start: 34 @35080 has 7 MA's), (Start: 55 @35146 has 24 MA's), (Start: 114 @35266 has 3 MA's), (Start: 136 @35383 has 1 MA's), (147, 35434), (163, 35515), (164, 35518), (185, 35590), (186, 35599), (187, 35602), (188, 35605), (192, 35623), (217, 35755), (230, 35812), (231, 35815), (233, 35824), (240, 35848), (257, 35917), (292, 36043), (294, 36052), (310, 36118), (323, 36148), (358, 36247), (363, 36271), (366, 36280), (371, 36304), (387, 36376), (431, 36565), (440, 36604), (450, 36628), (455, 36643), (461, 36658),

Gene: Naca_31 Start: 25915, Stop: 24470, Start Num: 118

Candidate Starts for Naca_31:

(84, 25978), (Start: 108 @25951 has 217 MA's), (Start: 118 @25915 has 3 MA's), (Start: 136 @25816 has 1 MA's), (153, 25732), (161, 25690), (169, 25666), (175, 25639), (186, 25600), (192, 25576), (220, 25432), (288, 25138), (302, 25093), (307, 25063), (314, 25039), (323, 25024), (345, 24964), (358, 24913), (359, 24904), (373, 24850), (380, 24817), (396, 24751), (442, 24559), (480, 24481),

Gene: Naiad_29 Start: 23649, Stop: 22141, Start Num: 93

Candidate Starts for Naiad_29:

(Start: 93 @23649 has 32 MA's), (Start: 108 @23628 has 217 MA's), (Start: 110 @23622 has 3 MA's), (Start: 136 @23493 has 1 MA's), (145, 23445), (164, 23358), (192, 23253), (213, 23142), (226, 23082), (229, 23070), (243, 23007), (251, 22977), (259, 22944), (266, 22923), (272, 22893), (277, 22878), (279, 22872), (286, 22824), (294, 22791), (307, 22734), (323, 22695), (325, 22689), (370, 22539), (414, 22368), (480, 22152),

Gene: Naira_38 Start: 31077, Stop: 32591, Start Num: 108

Candidate Starts for Naira_38:

(Start: 54 @30996 has 29 MA's), (Start: 57 @31002 has 3 MA's), (Start: 60 @31008 has 9 MA's), (Start: 61 @31011 has 10 MA's), (Start: 64 @31026 has 1 MA's), (Start: 108 @31077 has 217 MA's), (153, 31302), (157, 31323), (187, 31440), (190, 31452), (192, 31461), (193, 31470), (215, 31578), (220, 31599), (222, 31611), (228, 31635), (237, 31677), (269, 31806), (283, 31866), (296, 31923), (310, 31977), (314, 31992), (355, 32100), (363, 32133), (365, 32136), (382, 32214), (385, 32229), (386, 32235), (435, 32448), (438, 32460),

Gene: Nancinator_29 Start: 23636, Stop: 22140, Start Num: 93

Candidate Starts for Nancinator_29:

(Start: 93 @23636 has 32 MA's), (Start: 108 @23615 has 217 MA's), (Start: 110 @23609 has 3 MA's), (Start: 136 @23480 has 1 MA's), (145, 23432), (164, 23345), (192, 23240), (213, 23129), (226, 23069), (229, 23057), (243, 22994), (251, 22964), (259, 22931), (266, 22910), (272, 22880), (277, 22865), (279, 22859), (286, 22811), (294, 22778), (307, 22721), (323, 22682), (325, 22676), (358, 22580), (366, 22547), (370, 22526), (373, 22517), (414, 22355),

Gene: Natosaleda_29 Start: 23636, Stop: 22140, Start Num: 93

Candidate Starts for Natosaleda_29:

(Start: 93 @23636 has 32 MA's), (Start: 108 @23615 has 217 MA's), (Start: 110 @23609 has 3 MA's), (Start: 136 @23480 has 1 MA's), (145, 23432), (164, 23345), (192, 23240), (213, 23129), (219, 23099), (226, 23069), (229, 23057), (243, 22994), (251, 22964), (259, 22931), (266, 22910), (272, 22880), (277, 22865), (279, 22859), (286, 22811), (294, 22778), (307, 22721), (323, 22682), (325, 22676), (358, 22580), (366, 22547), (370, 22526), (373, 22517), (414, 22355),

Gene: NearlyHeadless_30 Start: 25032, Stop: 23530, Start Num: 105

Candidate Starts for NearlyHeadless_30:

(66, 25101), (Start: 76 @25074 has 1 MA's), (82, 25068), (Start: 105 @25032 has 108 MA's), (Start: 136 @24882 has 1 MA's), (157, 24777), (173, 24711), (176, 24693), (184, 24651), (185, 24648), (202, 24561), (208, 24528), (225, 24447), (228, 24435), (250, 24342), (263, 24294), (273, 24252), (284, 24192), (307, 24090), (351, 23955), (369, 23883), (395, 23778), (405, 23742), (414, 23703), (432, 23619), (452, 23571),

Gene: Nemo27_33 Start: 26636, Stop: 25122, Start Num: 105

Candidate Starts for Nemo27_33:

(Start: 76 @26678 has 1 MA's), (Start: 96 @26645 has 15 MA's), (Start: 105 @26636 has 108 MA's), (137, 26474), (151, 26408), (156, 26390), (173, 26315), (177, 26291), (184, 26252), (185, 26249), (202, 26162), (225, 26048), (228, 26036), (273, 25853), (295, 25742), (307, 25691), (351, 25562), (354, 25553), (373, 25478), (375, 25472), (405, 25349), (414, 25310), (458, 25160), (465, 25145),

Gene: Nerujay_38 Start: 29948, Stop: 31531, Start Num: 54

Candidate Starts for Nerujay_38:

(Start: 54 @29948 has 29 MA's), (Start: 57 @29954 has 3 MA's), (Start: 60 @29960 has 9 MA's),
(Start: 61 @29963 has 10 MA's), (Start: 64 @29978 has 1 MA's), (Start: 108 @30029 has 217 MA's),
(Start: 113 @30044 has 10 MA's), (151, 30248), (153, 30254), (157, 30275), (190, 30404), (192,
30413), (193, 30422), (215, 30530), (220, 30551), (222, 30563), (228, 30587), (237, 30629), (269,
30758), (283, 30818), (296, 30875), (304, 30902), (310, 30929), (314, 30944), (353, 31046), (355,
31052), (363, 31085), (382, 31166), (385, 31181), (412, 31286), (435, 31400), (476, 31499), (483,
31523),

Gene: Nhonho_37 Start: 29766, Stop: 31268, Start Num: 108

Candidate Starts for Nhonho_37:

(Start: 71 @29721 has 3 MA's), (Start: 108 @29766 has 217 MA's), (Start: 113 @29781 has 10 MA's),
(151, 29985), (153, 29991), (190, 30141), (192, 30150), (193, 30159), (215, 30267), (220, 30288),
(222, 30300), (228, 30324), (237, 30366), (269, 30495), (283, 30555), (296, 30612), (304, 30639),
(310, 30666), (311, 30669), (314, 30681), (343, 30750), (353, 30783), (355, 30789), (363, 30822),
(382, 30903), (385, 30918), (412, 31023), (435, 31137), (476, 31236), (483, 31260),

Gene: Niobe_48 Start: 35962, Stop: 37383, Start Num: 104

Candidate Starts for Niobe_48:

(91, 35944), (101, 35959), (Start: 104 @35962 has 34 MA's), (Start: 108 @35971 has 217 MA's), (131,
36085), (Start: 136 @36109 has 1 MA's), (153, 36193), (159, 36226), (163, 36241), (183, 36304), (187,
36316), (189, 36325), (208, 36424), (216, 36466), (228, 36517), (237, 36556), (267, 36634), (272,
36661), (284, 36715), (367, 37021), (368, 37030), (370, 37039), (374, 37051), (422, 37222), (437,
37309),

Gene: Nitro_51 Start: 37058, Stop: 38473, Start Num: 108

Candidate Starts for Nitro_51:

(Start: 108 @37058 has 217 MA's), (Start: 114 @37076 has 3 MA's), (131, 37172), (153, 37280), (164,
37331), (183, 37391), (187, 37403), (193, 37433), (208, 37511), (228, 37604), (237, 37643), (340,
38003), (367, 38108), (370, 38126), (374, 38138), (422, 38309),

Gene: Niza_40 Start: 30658, Stop: 32160, Start Num: 108

Candidate Starts for Niza_40:

(Start: 54 @30577 has 29 MA's), (Start: 57 @30583 has 3 MA's), (Start: 60 @30589 has 9 MA's),
(Start: 61 @30592 has 10 MA's), (Start: 64 @30607 has 1 MA's), (Start: 108 @30658 has 217 MA's),
(Start: 113 @30673 has 10 MA's), (151, 30877), (153, 30883), (190, 31033), (192, 31042), (193,
31051), (215, 31159), (220, 31180), (222, 31192), (228, 31216), (237, 31258), (269, 31387), (283,
31447), (296, 31504), (310, 31558), (311, 31561), (314, 31573), (355, 31681), (363, 31714), (382,
31795), (385, 31810), (412, 31915), (435, 32029), (476, 32128), (483, 32152),

Gene: Noella_34 Start: 27230, Stop: 25722, Start Num: 108

Candidate Starts for Noella_34:

(Start: 100 @27245 has 2 MA's), (Start: 108 @27230 has 217 MA's), (Start: 110 @27224 has 3 MA's),
(Start: 111 @27221 has 2 MA's), (143, 27053), (145, 27047), (172, 26930), (189, 26870), (211, 26753),
(220, 26714), (226, 26687), (229, 26675), (255, 26540), (291, 26387), (313, 26297), (331, 26258),
(359, 26168), (369, 26126), (373, 26114), (383, 26069), (387, 26048), (438, 25835), (449, 25814),

Gene: Noelle_33 Start: 26735, Stop: 25200, Start Num: 105

Candidate Starts for Noelle_33:

(82, 26771), (Start: 96 @26744 has 15 MA's), (Start: 105 @26735 has 108 MA's), (123, 26654), (137,
26573), (151, 26507), (156, 26489), (173, 26414), (184, 26351), (185, 26348), (210, 26219), (228,

26135), (244, 26066), (260, 26003), (263, 25994), (273, 25952), (283, 25895), (295, 25841), (307, 25790), (351, 25640), (354, 25631), (373, 25556), (395, 25463), (404, 25436), (405, 25427), (414, 25388), (433, 25301), (458, 25238), (465, 25223),

Gene: Norbert_33 Start: 27229, Stop: 25721, Start Num: 108

Candidate Starts for Norbert_33:

(Start: 100 @27244 has 2 MA's), (Start: 108 @27229 has 217 MA's), (Start: 110 @27223 has 3 MA's), (Start: 111 @27220 has 2 MA's), (143, 27052), (145, 27046), (172, 26929), (189, 26869), (211, 26752), (220, 26713), (226, 26686), (229, 26674), (255, 26539), (291, 26386), (313, 26296), (331, 26257), (359, 26167), (369, 26125), (373, 26113), (383, 26068), (387, 26047), (438, 25834), (449, 25813),

Gene: NorthStar_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for NorthStar_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Norz_39 Start: 30310, Stop: 31824, Start Num: 108

Candidate Starts for Norz_39:

(Start: 54 @30229 has 29 MA's), (Start: 57 @30235 has 3 MA's), (Start: 60 @30241 has 9 MA's), (Start: 61 @30244 has 10 MA's), (Start: 64 @30259 has 1 MA's), (Start: 108 @30310 has 217 MA's), (Start: 113 @30325 has 10 MA's), (Start: 130 @30418 has 1 MA's), (151, 30529), (153, 30535), (157, 30556), (190, 30685), (192, 30694), (193, 30703), (215, 30811), (220, 30832), (222, 30844), (228, 30868), (237, 30910), (269, 31039), (283, 31099), (296, 31156), (304, 31183), (306, 31198), (307, 31201), (310, 31210), (311, 31213), (314, 31225), (353, 31327), (355, 31333), (363, 31366), (365, 31369), (382, 31447), (385, 31462), (412, 31567), (435, 31681),

Gene: NotAPhaseMom_33 Start: 26641, Stop: 25127, Start Num: 105

Candidate Starts for NotAPhaseMom_33:

(Start: 76 @26683 has 1 MA's), (Start: 96 @26650 has 15 MA's), (Start: 105 @26641 has 108 MA's), (137, 26479), (151, 26413), (156, 26395), (173, 26320), (177, 26296), (184, 26257), (185, 26254), (202, 26167), (225, 26053), (228, 26041), (273, 25858), (295, 25747), (307, 25696), (351, 25567), (354, 25558), (373, 25483), (375, 25477), (405, 25354), (414, 25315), (458, 25165), (465, 25150),

Gene: Noxious_40 Start: 30907, Stop: 32409, Start Num: 108

Candidate Starts for Noxious_40:

(Start: 54 @30826 has 29 MA's), (Start: 57 @30832 has 3 MA's), (Start: 60 @30838 has 9 MA's), (Start: 61 @30841 has 10 MA's), (Start: 64 @30856 has 1 MA's), (Start: 108 @30907 has 217 MA's), (Start: 113 @30922 has 10 MA's), (151, 31126), (153, 31132), (157, 31153), (187, 31270), (190, 31282), (192, 31291), (193, 31300), (211, 31396), (215, 31408), (220, 31429), (222, 31441), (228, 31465), (269, 31636), (283, 31696), (296, 31753), (304, 31780), (310, 31807), (314, 31822), (343, 31891), (355, 31930), (363, 31963), (382, 32044), (385, 32059), (412, 32164), (435, 32278), (476, 32377), (483, 32401),

Gene: Nyxis_33 Start: 26572, Stop: 25076, Start Num: 108

Candidate Starts for Nyxis_33:

(Start: 65 @26638 has 10 MA's), (Start: 108 @26572 has 217 MA's), (Start: 114 @26554 has 3 MA's), (124, 26500), (134, 26449), (Start: 136 @26437 has 1 MA's), (161, 26311), (168, 26290), (175, 26260), (186, 26221), (194, 26182), (212, 26092), (225, 26032), (238, 25978), (272, 25840), (336, 25609), (358, 25519), (367, 25483), (373, 25456), (386, 25393), (436, 25183), (442, 25165), (454, 25153), (457, 25144),

Gene: OKCentral2016_33 Start: 26376, Stop: 24868, Start Num: 108

Candidate Starts for OKCentral2016_33:

(Start: 108 @26376 has 217 MA's), (Start: 114 @26358 has 3 MA's), (115, 26352), (131, 26265),
(Start: 136 @26241 has 1 MA's), (172, 26076), (211, 25899), (220, 25860), (222, 25848), (225, 25836),
(226, 25833), (229, 25821), (282, 25575), (286, 25554), (323, 25425), (331, 25404), (360, 25311),
(367, 25287), (369, 25272), (383, 25215), (387, 25194),

Gene: OKaNui_34 Start: 26690, Stop: 25176, Start Num: 105

Candidate Starts for OKaNui_34:

(Start: 76 @26732 has 1 MA's), (Start: 96 @26699 has 15 MA's), (Start: 105 @26690 has 108 MA's),
(137, 26528), (151, 26462), (156, 26444), (173, 26369), (177, 26345), (184, 26306), (185, 26303),
(202, 26216), (225, 26102), (228, 26090), (273, 25907), (295, 25796), (307, 25745), (351, 25616),
(354, 25607), (373, 25532), (375, 25526), (405, 25403), (414, 25364), (458, 25214), (465, 25199),

Gene: ObiToo_54 Start: 36249, Stop: 37667, Start Num: 104

Candidate Starts for ObiToo_54:

(91, 36231), (101, 36246), (Start: 104 @36249 has 34 MA's), (Start: 108 @36258 has 217 MA's), (131,
36372), (Start: 136 @36396 has 1 MA's), (140, 36417), (153, 36480), (163, 36528), (183, 36591), (187,
36603), (208, 36711), (216, 36753), (228, 36804), (237, 36843), (351, 37248), (370, 37323), (374,
37335), (400, 37428), (422, 37506), (438, 37596),

Gene: Ohno789_37 Start: 29422, Stop: 30924, Start Num: 108

Candidate Starts for Ohno789_37:

(Start: 54 @29341 has 29 MA's), (Start: 57 @29347 has 3 MA's), (Start: 60 @29353 has 9 MA's),
(Start: 61 @29356 has 10 MA's), (Start: 64 @29371 has 1 MA's), (Start: 108 @29422 has 217 MA's),
(Start: 113 @29437 has 10 MA's), (151, 29641), (153, 29647), (190, 29797), (192, 29806), (193,
29815), (215, 29923), (220, 29944), (222, 29956), (228, 29980), (269, 30151), (283, 30211), (296,
30268), (310, 30322), (314, 30337), (353, 30439), (355, 30445), (363, 30478), (365, 30481), (382,
30559), (385, 30574), (412, 30679), (435, 30793), (476, 30892), (483, 30916),

Gene: Oogway_36 Start: 28960, Stop: 30462, Start Num: 108

Candidate Starts for Oogway_36:

(Start: 54 @28879 has 29 MA's), (Start: 57 @28885 has 3 MA's), (Start: 60 @28891 has 9 MA's),
(Start: 61 @28894 has 10 MA's), (Start: 64 @28909 has 1 MA's), (Start: 108 @28960 has 217 MA's),
(Start: 130 @29068 has 1 MA's), (153, 29185), (157, 29206), (190, 29335), (192, 29344), (193, 29353),
(215, 29461), (220, 29482), (222, 29494), (228, 29518), (269, 29689), (283, 29749), (296, 29806),
(304, 29833), (310, 29860), (311, 29863), (314, 29875), (343, 29944), (353, 29977), (355, 29983),
(363, 30016), (382, 30097), (385, 30112), (412, 30217), (435, 30331), (476, 30430), (483, 30454),

Gene: OzzyJ_51 Start: 36081, Stop: 37724, Start Num: 34

Candidate Starts for OzzyJ_51:

(11, 35901), (Start: 34 @36081 has 7 MA's), (Start: 55 @36147 has 24 MA's), (Start: 114 @36267 has
3 MA's), (121, 36306), (132, 36366), (Start: 136 @36384 has 1 MA's), (147, 36435), (163, 36516),
(164, 36519), (185, 36591), (186, 36600), (187, 36603), (217, 36756), (230, 36813), (231, 36816),
(233, 36825), (310, 37119), (323, 37149), (358, 37248), (363, 37272), (366, 37281), (371, 37305),
(387, 37377), (431, 37566), (440, 37605), (450, 37629), (455, 37644), (461, 37659),

Gene: PP_41 Start: 31804, Stop: 30374, Start Num: 98

Candidate Starts for PP_41:

(Start: 98 @31804 has 1 MA's), (Start: 108 @31789 has 217 MA's), (127, 31696), (168, 31507), (225,
31252), (282, 31051), (295, 30994), (323, 30904), (329, 30889), (393, 30658), (396, 30643), (478,
30388),

Gene: PSullivan_36 Start: 28595, Stop: 30097, Start Num: 108

Candidate Starts for PSullivan_36:

(Start: 54 @28514 has 29 MA's), (Start: 57 @28520 has 3 MA's), (Start: 60 @28526 has 9 MA's),
(Start: 61 @28529 has 10 MA's), (Start: 64 @28544 has 1 MA's), (Start: 108 @28595 has 217 MA's),
(Start: 111 @28604 has 2 MA's), (Start: 113 @28610 has 10 MA's), (132, 28712), (Start: 136 @28730
has 1 MA's), (137, 28742), (151, 28814), (153, 28820), (156, 28832), (157, 28841), (187, 28958), (190,
28970), (192, 28979), (193, 28988), (213, 29090), (215, 29096), (220, 29117), (222, 29129), (237,
29195), (269, 29324), (283, 29384), (296, 29441), (310, 29495), (314, 29510), (353, 29612), (355,
29618), (363, 29651), (365, 29654), (379, 29717), (385, 29747), (412, 29852), (435, 29966), (476,
30065), (483, 30089),

Gene: PacerPaul_38 Start: 29421, Stop: 30920, Start Num: 108

Candidate Starts for PacerPaul_38:

(Start: 54 @29340 has 29 MA's), (Start: 57 @29346 has 3 MA's), (Start: 60 @29352 has 9 MA's),
(Start: 61 @29355 has 10 MA's), (Start: 64 @29370 has 1 MA's), (Start: 108 @29421 has 217 MA's),
(Start: 113 @29436 has 10 MA's), (151, 29640), (153, 29646), (157, 29667), (190, 29796), (192,
29805), (193, 29814), (215, 29922), (220, 29943), (222, 29955), (228, 29979), (269, 30150), (283,
30210), (296, 30267), (304, 30294), (310, 30321), (311, 30324), (314, 30336), (353, 30435), (363,
30474), (365, 30477), (382, 30555), (385, 30570), (435, 30789), (476, 30888), (483, 30912),

Gene: Palestino_32 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for Palestino_32:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's),
(137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250),
(202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563),
(354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Panamaxus_33 Start: 27229, Stop: 25721, Start Num: 108

Candidate Starts for Panamaxus_33:

(Start: 100 @27244 has 2 MA's), (Start: 108 @27229 has 217 MA's), (Start: 110 @27223 has 3 MA's),
(Start: 111 @27220 has 2 MA's), (143, 27052), (145, 27046), (172, 26929), (189, 26869), (211, 26752),
(220, 26713), (226, 26686), (229, 26674), (255, 26539), (291, 26386), (313, 26296), (331, 26257),
(359, 26167), (369, 26125), (373, 26113), (383, 26068), (387, 26047), (438, 25834), (449, 25813),

Gene: PandaPo_52 Start: 34525, Stop: 35946, Start Num: 101

Candidate Starts for PandaPo_52:

(91, 34510), (101, 34525), (Start: 104 @34528 has 34 MA's), (Start: 108 @34537 has 217 MA's), (131,
34651), (153, 34759), (163, 34807), (183, 34870), (187, 34882), (208, 34990), (228, 35083), (230,
35095), (237, 35122), (243, 35149), (366, 35581), (370, 35602), (390, 35680), (422, 35785),

Gene: Papez_39 Start: 31106, Stop: 32608, Start Num: 108

Candidate Starts for Papez_39:

(Start: 54 @31025 has 29 MA's), (Start: 57 @31031 has 3 MA's), (Start: 60 @31037 has 9 MA's),
(Start: 61 @31040 has 10 MA's), (Start: 64 @31055 has 1 MA's), (Start: 108 @31106 has 217 MA's),
(Start: 113 @31121 has 10 MA's), (151, 31325), (153, 31331), (157, 31352), (190, 31481), (192,
31490), (193, 31499), (215, 31607), (220, 31628), (222, 31640), (228, 31664), (237, 31706), (269,
31835), (283, 31895), (296, 31952), (304, 31979), (310, 32006), (311, 32009), (314, 32021), (343,
32090), (355, 32129), (363, 32162), (382, 32243), (385, 32258), (412, 32363), (435, 32477), (476,
32576), (483, 32600),

Gene: Paphu_36 Start: 29268, Stop: 30851, Start Num: 54

Candidate Starts for Paphu_36:

(Start: 54 @29268 has 29 MA's), (Start: 57 @29274 has 3 MA's), (Start: 60 @29280 has 9 MA's), (Start: 61 @29283 has 10 MA's), (Start: 64 @29298 has 1 MA's), (Start: 108 @29349 has 217 MA's), (Start: 113 @29364 has 10 MA's), (115, 29373), (151, 29568), (153, 29574), (157, 29595), (190, 29724), (192, 29733), (193, 29742), (215, 29850), (220, 29871), (222, 29883), (228, 29907), (237, 29949), (269, 30078), (283, 30138), (296, 30195), (304, 30222), (310, 30249), (314, 30264), (343, 30333), (355, 30372), (363, 30405), (382, 30486), (385, 30501), (412, 30606), (435, 30720), (438, 30732), (476, 30819), (483, 30843),

Gene: Paraselene_36 Start: 29765, Stop: 31279, Start Num: 108

Candidate Starts for Paraselene_36:

(Start: 54 @29684 has 29 MA's), (Start: 57 @29690 has 3 MA's), (Start: 60 @29696 has 9 MA's), (Start: 61 @29699 has 10 MA's), (Start: 64 @29714 has 1 MA's), (Start: 108 @29765 has 217 MA's), (151, 29984), (153, 29990), (156, 30002), (157, 30011), (187, 30128), (190, 30140), (192, 30149), (193, 30158), (215, 30266), (220, 30287), (222, 30299), (228, 30323), (237, 30365), (267, 30479), (269, 30494), (283, 30554), (296, 30611), (304, 30638), (310, 30665), (311, 30668), (314, 30680), (355, 30788), (363, 30821), (382, 30902), (385, 30917), (435, 31136),

Gene: Pari_38 Start: 29191, Stop: 30693, Start Num: 108

Candidate Starts for Pari_38:

(Start: 71 @29146 has 3 MA's), (Start: 108 @29191 has 217 MA's), (Start: 113 @29206 has 10 MA's), (115, 29215), (153, 29416), (165, 29470), (190, 29566), (192, 29575), (193, 29584), (215, 29692), (220, 29713), (222, 29725), (228, 29749), (237, 29791), (269, 29920), (283, 29980), (296, 30037), (310, 30091), (314, 30106), (353, 30208), (355, 30214), (363, 30247), (382, 30328), (385, 30343), (412, 30448), (435, 30562), (476, 30661), (483, 30685),

Gene: Parliament_36 Start: 29511, Stop: 31013, Start Num: 108

Candidate Starts for Parliament_36:

(Start: 54 @29430 has 29 MA's), (Start: 57 @29436 has 3 MA's), (Start: 60 @29442 has 9 MA's), (Start: 61 @29445 has 10 MA's), (Start: 64 @29460 has 1 MA's), (Start: 108 @29511 has 217 MA's), (153, 29736), (190, 29886), (192, 29895), (193, 29904), (211, 30000), (215, 30012), (220, 30033), (222, 30045), (228, 30069), (237, 30111), (269, 30240), (283, 30300), (296, 30357), (310, 30411), (314, 30426), (355, 30534), (363, 30567), (382, 30648), (385, 30663), (435, 30882), (476, 30981), (483, 31005),

Gene: Partridge_29 Start: 23682, Stop: 22174, Start Num: 93

Candidate Starts for Partridge_29:

(Start: 93 @23682 has 32 MA's), (Start: 108 @23661 has 217 MA's), (Start: 110 @23655 has 3 MA's), (Start: 136 @23526 has 1 MA's), (145, 23478), (192, 23286), (199, 23247), (213, 23175), (226, 23115), (229, 23103), (251, 23010), (259, 22977), (266, 22956), (269, 22938), (272, 22926), (277, 22911), (279, 22905), (286, 22857), (294, 22824), (307, 22767), (323, 22728), (325, 22722), (370, 22572), (407, 22431), (480, 22185),

Gene: PascalRango_38 Start: 29461, Stop: 30963, Start Num: 108

Candidate Starts for PascalRango_38:

(Start: 54 @29380 has 29 MA's), (Start: 57 @29386 has 3 MA's), (Start: 60 @29392 has 9 MA's), (Start: 61 @29395 has 10 MA's), (Start: 64 @29410 has 1 MA's), (Start: 108 @29461 has 217 MA's), (151, 29680), (153, 29686), (157, 29707), (190, 29836), (192, 29845), (193, 29854), (215, 29962), (220, 29983), (222, 29995), (228, 30019), (237, 30061), (269, 30190), (283, 30250), (296, 30307), (304, 30334), (310, 30361), (314, 30376), (355, 30484), (363, 30517), (382, 30598), (385, 30613), (435, 30832), (476, 30931), (483, 30955),

Gene: PattyP_39 Start: 29688, Stop: 31190, Start Num: 108

Candidate Starts for PattyP_39:

(Start: 54 @29607 has 29 MA's), (Start: 57 @29613 has 3 MA's), (Start: 60 @29619 has 9 MA's),
(Start: 61 @29622 has 10 MA's), (Start: 64 @29637 has 1 MA's), (Start: 108 @29688 has 217 MA's),
(112, 29700), (153, 29913), (156, 29925), (157, 29934), (165, 29967), (190, 30063), (192, 30072),
(193, 30081), (215, 30189), (220, 30210), (222, 30222), (228, 30246), (237, 30288), (269, 30417),
(283, 30477), (296, 30534), (310, 30588), (311, 30591), (314, 30603), (343, 30672), (353, 30705),
(355, 30711), (363, 30744), (382, 30825), (385, 30840), (412, 30945), (435, 31059), (476, 31158),
(483, 31182),

Gene: Payneful_37 Start: 29028, Stop: 30608, Start Num: 61

Candidate Starts for Payneful_37:

(Start: 54 @29013 has 29 MA's), (Start: 57 @29019 has 3 MA's), (Start: 60 @29025 has 9 MA's),
(Start: 61 @29028 has 10 MA's), (Start: 64 @29043 has 1 MA's), (Start: 108 @29094 has 217 MA's),
(151, 29313), (153, 29319), (157, 29340), (190, 29469), (192, 29478), (193, 29487), (211, 29583),
(215, 29595), (222, 29628), (230, 29664), (269, 29823), (283, 29883), (296, 29940), (310, 29994),
(314, 30009), (355, 30117), (373, 30189), (382, 30231), (385, 30246), (435, 30465),

Gene: PeaceMeal1_32 Start: 23843, Stop: 25498, Start Num: 92

Candidate Starts for PeaceMeal1_32:

(73, 23804), (Start: 92 @23843 has 4 MA's), (Start: 103 @23852 has 3 MA's), (Start: 111 @23870 has
2 MA's), (Start: 117 @23894 has 1 MA's), (Start: 130 @23969 has 1 MA's), (132, 23978), (Start: 136
@23996 has 1 MA's), (151, 24080), (152, 24083), (159, 24119), (186, 24221), (192, 24245), (193,
24254), (211, 24350), (229, 24425), (230, 24434), (231, 24437), (260, 24554), (267, 24575), (269,
24590), (272, 24602), (282, 24650), (292, 24695), (310, 24767), (320, 24791), (355, 24911), (359,
24929), (360, 24932), (361, 24935), (394, 25070), (435, 25259), (474, 25352), (483, 25382), (486,
25406), (489, 25454), (490, 25472),

Gene: Peaches_33 Start: 26645, Stop: 25122, Start Num: 96

Candidate Starts for Peaches_33:

(Start: 76 @26678 has 1 MA's), (Start: 96 @26645 has 15 MA's), (Start: 105 @26636 has 108 MA's),
(137, 26474), (151, 26408), (156, 26390), (173, 26315), (177, 26291), (184, 26252), (185, 26249),
(202, 26162), (225, 26048), (228, 26036), (273, 25853), (295, 25742), (307, 25691), (351, 25562),
(354, 25553), (373, 25478), (375, 25472), (405, 25349), (414, 25310), (458, 25160), (465, 25145),

Gene: Pelly_37 Start: 29661, Stop: 31163, Start Num: 108

Candidate Starts for Pelly_37:

(Start: 54 @29580 has 29 MA's), (Start: 57 @29586 has 3 MA's), (Start: 60 @29592 has 9 MA's),
(Start: 61 @29595 has 10 MA's), (Start: 64 @29610 has 1 MA's), (Start: 108 @29661 has 217 MA's),
(Start: 113 @29676 has 10 MA's), (115, 29685), (151, 29880), (153, 29886), (157, 29907), (190,
30036), (192, 30045), (193, 30054), (215, 30162), (220, 30183), (222, 30195), (228, 30219), (237,
30261), (269, 30390), (283, 30450), (296, 30507), (310, 30561), (311, 30564), (314, 30576), (355,
30684), (363, 30717), (382, 30798), (385, 30813), (412, 30918), (435, 31032), (476, 31131), (483,
31155),

Gene: Perplexer_33 Start: 26653, Stop: 25130, Start Num: 96

Candidate Starts for Perplexer_33:

(Start: 76 @26686 has 1 MA's), (Start: 96 @26653 has 15 MA's), (Start: 105 @26644 has 108 MA's),
(137, 26482), (151, 26416), (156, 26398), (173, 26323), (184, 26260), (185, 26257), (202, 26170),
(228, 26044), (273, 25861), (283, 25804), (295, 25750), (307, 25699), (351, 25570), (354, 25561),
(373, 25486), (375, 25480), (404, 25366), (405, 25357), (414, 25318), (458, 25168), (465, 25153),

Gene: Perseus_39 Start: 30449, Stop: 31951, Start Num: 108

Candidate Starts for Perseus_39:

(Start: 52 @30359 has 1 MA's), (Start: 54 @30368 has 29 MA's), (Start: 57 @30374 has 3 MA's),
(Start: 60 @30380 has 9 MA's), (Start: 61 @30383 has 10 MA's), (Start: 64 @30398 has 1 MA's),
(Start: 108 @30449 has 217 MA's), (Start: 113 @30464 has 10 MA's), (151, 30668), (153, 30674),
(187, 30812), (190, 30824), (192, 30833), (193, 30842), (215, 30950), (220, 30971), (222, 30983),
(228, 31007), (237, 31049), (269, 31178), (283, 31238), (296, 31295), (304, 31322), (310, 31349),
(311, 31352), (314, 31364), (355, 31472), (363, 31505), (382, 31586), (385, 31601), (435, 31820),
(476, 31919), (483, 31943),

Gene: PeterPeter_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for PeterPeter_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's),
(137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250),
(225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554),
(373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Peterson_40 Start: 31280, Stop: 32779, Start Num: 108

Candidate Starts for Peterson_40:

(Start: 108 @31280 has 217 MA's), (151, 31499), (153, 31505), (156, 31517), (157, 31526), (165,
31559), (172, 31589), (173, 31592), (190, 31655), (193, 31673), (211, 31769), (215, 31781), (222,
31814), (241, 31892), (243, 31907), (269, 32009), (283, 32069), (292, 32111), (296, 32126), (304,
32153), (306, 32168), (307, 32171), (310, 32180), (314, 32195), (353, 32294), (363, 32333), (373,
32372), (375, 32378), (382, 32414), (385, 32429), (389, 32444), (408, 32519), (435, 32648), (476,
32747), (483, 32771),

Gene: PetiteSangsue_33 Start: 26647, Stop: 25133, Start Num: 105

Candidate Starts for PetiteSangsue_33:

(Start: 76 @26689 has 1 MA's), (Start: 96 @26656 has 15 MA's), (Start: 105 @26647 has 108 MA's),
(137, 26485), (151, 26419), (156, 26401), (173, 26326), (184, 26263), (185, 26260), (202, 26173),
(228, 26047), (273, 25864), (283, 25807), (295, 25753), (307, 25702), (351, 25573), (354, 25564),
(373, 25489), (375, 25483), (404, 25369), (405, 25360), (414, 25321), (458, 25171), (465, 25156),

Gene: Petp2012_39 Start: 30278, Stop: 31861, Start Num: 54

Candidate Starts for Petp2012_39:

(Start: 54 @30278 has 29 MA's), (Start: 57 @30284 has 3 MA's), (Start: 60 @30290 has 9 MA's),
(Start: 61 @30293 has 10 MA's), (Start: 64 @30308 has 1 MA's), (Start: 108 @30359 has 217 MA's),
(112, 30371), (153, 30584), (156, 30596), (157, 30605), (165, 30638), (190, 30734), (192, 30743),
(193, 30752), (215, 30860), (220, 30881), (222, 30893), (228, 30917), (237, 30959), (269, 31088),
(283, 31148), (296, 31205), (304, 31232), (310, 31259), (311, 31262), (314, 31274), (343, 31343),
(353, 31376), (355, 31382), (363, 31415), (382, 31496), (385, 31511), (412, 31616), (435, 31730),
(476, 31829), (483, 31853),

Gene: Petruchio_38 Start: 29593, Stop: 31176, Start Num: 54

Candidate Starts for Petruchio_38:

(Start: 54 @29593 has 29 MA's), (Start: 57 @29599 has 3 MA's), (Start: 60 @29605 has 9 MA's),
(Start: 61 @29608 has 10 MA's), (Start: 64 @29623 has 1 MA's), (Start: 108 @29674 has 217 MA's),
(Start: 113 @29689 has 10 MA's), (153, 29899), (190, 30049), (193, 30067), (215, 30175), (220,
30196), (222, 30208), (228, 30232), (237, 30274), (269, 30403), (283, 30463), (296, 30520), (304,
30547), (310, 30574), (311, 30577), (314, 30589), (347, 30667), (355, 30697), (363, 30730), (373,
30769), (382, 30811), (385, 30826), (412, 30931), (435, 31045), (476, 31144), (483, 31168),

Gene: PetterN_32 Start: 25311, Stop: 23830, Start Num: 108

Candidate Starts for PetterN_32:

(84, 25338), (Start: 108 @25311 has 217 MA's), (Start: 118 @25275 has 3 MA's), (Start: 136 @25176 has 1 MA's), (141, 25140), (153, 25092), (161, 25050), (169, 25026), (175, 24999), (186, 24960), (192, 24936), (220, 24792), (288, 24498), (302, 24453), (307, 24423), (314, 24399), (323, 24384), (345, 24324), (358, 24273), (359, 24264), (373, 24210), (380, 24177), (396, 24111), (414, 24048), (442, 23919), (480, 23841),

Gene: Phacado_33 Start: 26636, Stop: 25122, Start Num: 105

Candidate Starts for Phacado_33:

(Start: 76 @26678 has 1 MA's), (Start: 96 @26645 has 15 MA's), (Start: 105 @26636 has 108 MA's), (137, 26474), (151, 26408), (156, 26390), (173, 26315), (177, 26291), (184, 26252), (185, 26249), (202, 26162), (225, 26048), (228, 26036), (273, 25853), (295, 25742), (307, 25691), (351, 25562), (354, 25553), (373, 25478), (375, 25472), (405, 25349), (414, 25310), (458, 25160), (465, 25145),

Gene: PhailMary_28 Start: 23958, Stop: 22462, Start Num: 93

Candidate Starts for PhailMary_28:

(Start: 93 @23958 has 32 MA's), (Start: 108 @23937 has 217 MA's), (Start: 110 @23931 has 3 MA's), (Start: 136 @23802 has 1 MA's), (145, 23754), (164, 23667), (192, 23562), (213, 23451), (226, 23391), (229, 23379), (243, 23316), (251, 23286), (259, 23253), (266, 23232), (272, 23202), (279, 23181), (285, 23136), (286, 23133), (287, 23127), (307, 23043), (323, 23004), (325, 22998), (358, 22902), (366, 22869), (370, 22848), (373, 22839), (414, 22677),

Gene: PherrisBueller_38 Start: 29250, Stop: 30752, Start Num: 108

Candidate Starts for PherrisBueller_38:

(Start: 54 @29169 has 29 MA's), (Start: 57 @29175 has 3 MA's), (Start: 60 @29181 has 9 MA's), (Start: 64 @29199 has 1 MA's), (Start: 108 @29250 has 217 MA's), (153, 29475), (190, 29625), (192, 29634), (193, 29643), (220, 29772), (222, 29784), (228, 29808), (269, 29979), (283, 30039), (296, 30096), (310, 30150), (311, 30153), (314, 30165), (355, 30273), (363, 30306), (382, 30387), (385, 30402), (435, 30621), (476, 30720), (483, 30744),

Gene: Phighter1804_33 Start: 26682, Stop: 25120, Start Num: 65

Candidate Starts for Phighter1804_33:

(Start: 65 @26682 has 10 MA's), (Start: 108 @26616 has 217 MA's), (Start: 114 @26598 has 3 MA's), (125, 26541), (127, 26523), (134, 26493), (Start: 136 @26481 has 1 MA's), (161, 26355), (168, 26334), (175, 26304), (186, 26265), (194, 26226), (212, 26136), (225, 26076), (238, 26022), (272, 25884), (336, 25653), (358, 25563), (367, 25527), (373, 25500), (384, 25446), (386, 25437), (436, 25227), (442, 25209), (454, 25197), (457, 25188),

Gene: Phillis_30 Start: 25078, Stop: 23576, Start Num: 105

Candidate Starts for Phillis_30:

(66, 25147), (Start: 76 @25120 has 1 MA's), (82, 25114), (Start: 105 @25078 has 108 MA's), (Start: 136 @24928 has 1 MA's), (157, 24823), (173, 24757), (176, 24739), (184, 24697), (185, 24694), (202, 24607), (228, 24481), (250, 24388), (263, 24340), (273, 24298), (284, 24238), (307, 24136), (351, 24001), (369, 23929), (395, 23824), (405, 23788), (414, 23749), (421, 23725), (452, 23617),

Gene: PhineBark_36 Start: 30329, Stop: 31828, Start Num: 113

Candidate Starts for PhineBark_36:

(Start: 54 @30233 has 29 MA's), (Start: 57 @30239 has 3 MA's), (Start: 60 @30245 has 9 MA's), (Start: 61 @30248 has 10 MA's), (Start: 64 @30263 has 1 MA's), (Start: 108 @30314 has 217 MA's), (Start: 113 @30329 has 10 MA's), (151, 30533), (153, 30539), (157, 30560), (187, 30677), (190, 30689), (192, 30698), (193, 30707), (211, 30803), (215, 30815), (220, 30836), (222, 30848), (228, 30872), (269, 31043), (283, 31103), (296, 31160), (304, 31187), (310, 31214), (311, 31217), (314, 31229), (355, 31337), (382, 31451), (385, 31466), (435, 31685),

Gene: Phives_54 Start: 37471, Stop: 38946, Start Num: 104

Candidate Starts for Phives_54:

(Start: 97 @37462 has 3 MA's), (Start: 104 @37471 has 34 MA's), (180, 37792), (232, 38071), (272, 38245), (328, 38437), (390, 38674), (430, 38836),

Gene: Phlippers_35 Start: 29975, Stop: 31474, Start Num: 108

Candidate Starts for Phlippers_35:

(Start: 50 @29885 has 1 MA's), (Start: 71 @29930 has 3 MA's), (Start: 108 @29975 has 217 MA's), (Start: 113 @29990 has 10 MA's), (115, 29999), (153, 30200), (187, 30338), (190, 30350), (192, 30359), (193, 30368), (215, 30476), (220, 30497), (222, 30509), (228, 30533), (237, 30575), (269, 30704), (283, 30764), (296, 30821), (304, 30848), (310, 30875), (311, 30878), (314, 30890), (353, 30989), (363, 31028), (382, 31109), (385, 31124), (412, 31229), (435, 31343), (476, 31442), (483, 31466),

Gene: Phlorence_30 Start: 25886, Stop: 24393, Start Num: 108

Candidate Starts for Phlorence_30:

(Start: 108 @25886 has 217 MA's), (Start: 117 @25853 has 1 MA's), (Start: 118 @25850 has 3 MA's), (Start: 120 @25832 has 4 MA's), (Start: 136 @25751 has 1 MA's), (167, 25607), (173, 25580), (187, 25532), (220, 25367), (225, 25343), (226, 25340), (230, 25319), (279, 25130), (323, 24959), (359, 24824), (369, 24782), (373, 24770), (393, 24686), (396, 24671), (403, 24656), (442, 24479), (462, 24449), (477, 24416),

Gene: Phontbonne_33 Start: 26573, Stop: 25077, Start Num: 108

Candidate Starts for Phontbonne_33:

(Start: 65 @26639 has 10 MA's), (Start: 108 @26573 has 217 MA's), (Start: 114 @26555 has 3 MA's), (124, 26501), (134, 26450), (Start: 136 @26438 has 1 MA's), (161, 26312), (168, 26291), (175, 26261), (186, 26222), (194, 26183), (212, 26093), (225, 26033), (238, 25979), (272, 25841), (336, 25610), (358, 25520), (367, 25484), (373, 25457), (386, 25394), (436, 25184), (442, 25166), (454, 25154), (457, 25145),

Gene: Phoxy_36 Start: 27306, Stop: 25738, Start Num: 105

Candidate Starts for Phoxy_36:

(42, 27456), (49, 27441), (82, 27342), (Start: 105 @27306 has 108 MA's), (157, 27051), (162, 27027), (176, 26967), (184, 26919), (185, 26916), (202, 26829), (206, 26817), (208, 26796), (213, 26772), (228, 26703), (244, 26634), (245, 26625), (273, 26520), (279, 26475), (307, 26343), (338, 26259), (353, 26202), (405, 25995), (434, 25854),

Gene: Phrankenstien_29 Start: 23582, Stop: 22086, Start Num: 93

Candidate Starts for Phrankenstien_29:

(Start: 93 @23582 has 32 MA's), (Start: 108 @23561 has 217 MA's), (Start: 110 @23555 has 3 MA's), (Start: 136 @23426 has 1 MA's), (145, 23378), (192, 23186), (213, 23075), (226, 23015), (229, 23003), (243, 22940), (251, 22910), (259, 22877), (266, 22856), (272, 22826), (277, 22811), (279, 22805), (286, 22757), (294, 22724), (307, 22667), (323, 22628), (325, 22622), (358, 22526), (366, 22493), (370, 22472), (373, 22463), (414, 22301),

Gene: PhrostyMug_38 Start: 29522, Stop: 31114, Start Num: 52

Candidate Starts for PhrostyMug_38:

(Start: 52 @29522 has 1 MA's), (Start: 54 @29531 has 29 MA's), (Start: 57 @29537 has 3 MA's), (Start: 60 @29543 has 9 MA's), (Start: 61 @29546 has 10 MA's), (Start: 64 @29561 has 1 MA's), (Start: 108 @29612 has 217 MA's), (Start: 113 @29627 has 10 MA's), (151, 29831), (153, 29837), (190, 29987), (192, 29996), (193, 30005), (215, 30113), (220, 30134), (222, 30146), (228, 30170), (237, 30212), (269, 30341), (283, 30401), (296, 30458), (310, 30512), (314, 30527), (355, 30635), (363, 30668), (375, 30713), (382, 30749), (385, 30764), (435, 30983), (476, 31082), (483, 31106),

Gene: PickleBack_30 Start: 25546, Stop: 24107, Start Num: 120

Candidate Starts for PickleBack_30:

(Start: 108 @25600 has 217 MA's), (Start: 117 @25567 has 1 MA's), (Start: 118 @25564 has 3 MA's), (Start: 120 @25546 has 4 MA's), (Start: 136 @25465 has 1 MA's), (167, 25321), (173, 25294), (187, 25246), (220, 25081), (225, 25057), (226, 25054), (230, 25033), (279, 24844), (323, 24673), (359, 24538), (369, 24496), (373, 24484), (393, 24400), (396, 24385), (403, 24370), (442, 24193), (462, 24163), (477, 24130),

Gene: PinkPlastic_36 Start: 29201, Stop: 30703, Start Num: 108

Candidate Starts for PinkPlastic_36:

(Start: 54 @29120 has 29 MA's), (Start: 57 @29126 has 3 MA's), (Start: 60 @29132 has 9 MA's), (Start: 61 @29135 has 10 MA's), (Start: 64 @29150 has 1 MA's), (Start: 108 @29201 has 217 MA's), (Start: 113 @29216 has 10 MA's), (151, 29420), (153, 29426), (187, 29564), (190, 29576), (192, 29585), (193, 29594), (215, 29702), (220, 29723), (222, 29735), (237, 29801), (269, 29930), (283, 29990), (296, 30047), (304, 30074), (310, 30101), (314, 30116), (343, 30185), (353, 30218), (355, 30224), (363, 30257), (382, 30338), (385, 30353), (412, 30458), (435, 30572), (476, 30671), (483, 30695),

Gene: Pinto_39 Start: 29632, Stop: 31134, Start Num: 108

Candidate Starts for Pinto_39:

(45, 29530), (51, 29542), (Start: 54 @29551 has 29 MA's), (Start: 57 @29557 has 3 MA's), (Start: 60 @29563 has 9 MA's), (Start: 61 @29566 has 10 MA's), (Start: 64 @29581 has 1 MA's), (Start: 108 @29632 has 217 MA's), (Start: 111 @29641 has 2 MA's), (Start: 113 @29647 has 10 MA's), (115, 29656), (Start: 117 @29665 has 1 MA's), (151, 29851), (153, 29857), (156, 29869), (157, 29878), (187, 29995), (190, 30007), (192, 30016), (193, 30025), (211, 30121), (215, 30133), (222, 30166), (237, 30232), (269, 30361), (283, 30421), (296, 30478), (310, 30532), (314, 30547), (353, 30649), (355, 30655), (363, 30688), (365, 30691), (379, 30754), (385, 30784), (412, 30889), (435, 31003), (476, 31102), (483, 31126),

Gene: Pipcraft_33 Start: 26646, Stop: 25123, Start Num: 96

Candidate Starts for Pipcraft_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Pippin_39 Start: 29765, Stop: 31279, Start Num: 108

Candidate Starts for Pippin_39:

(Start: 54 @29684 has 29 MA's), (Start: 57 @29690 has 3 MA's), (Start: 60 @29696 has 9 MA's), (Start: 61 @29699 has 10 MA's), (Start: 64 @29714 has 1 MA's), (Start: 108 @29765 has 217 MA's), (Start: 113 @29780 has 10 MA's), (151, 29984), (153, 29990), (157, 30011), (187, 30128), (190, 30140), (192, 30149), (193, 30158), (215, 30266), (220, 30287), (222, 30299), (228, 30323), (237, 30365), (269, 30494), (283, 30554), (296, 30611), (304, 30638), (310, 30665), (311, 30668), (314, 30680), (343, 30749), (353, 30782), (355, 30788), (363, 30821), (382, 30902), (385, 30917), (412, 31022), (435, 31136),

Gene: Pita2_39 Start: 30092, Stop: 31594, Start Num: 108

Candidate Starts for Pita2_39:

(Start: 54 @30011 has 29 MA's), (Start: 57 @30017 has 3 MA's), (Start: 60 @30023 has 9 MA's), (Start: 61 @30026 has 10 MA's), (Start: 64 @30041 has 1 MA's), (Start: 108 @30092 has 217 MA's), (Start: 111 @30101 has 2 MA's), (Start: 113 @30107 has 10 MA's), (132, 30209), (Start: 136 @30227 has 1 MA's), (137, 30239), (151, 30311), (153, 30317), (156, 30329), (157, 30338), (187, 30455), (190,

30467), (192, 30476), (193, 30485), (213, 30587), (215, 30593), (220, 30614), (222, 30626), (237, 30692), (269, 30821), (283, 30881), (296, 30938), (310, 30992), (314, 31007), (353, 31109), (355, 31115), (363, 31148), (365, 31151), (379, 31214), (385, 31244), (412, 31349), (435, 31463), (476, 31562), (483, 31586),

Gene: Pixelle_52 Start: 38117, Stop: 39577, Start Num: 107

Candidate Starts for Pixelle_52:

(Start: 69 @38054 has 1 MA's), (Start: 98 @38108 has 1 MA's), (Start: 107 @38117 has 20 MA's), (147, 38303), (154, 38336), (186, 38474), (189, 38486), (208, 38585), (218, 38636), (241, 38729), (326, 39062), (390, 39305), (463, 39563),

Gene: Pocahontas_34 Start: 27226, Stop: 25718, Start Num: 108

Candidate Starts for Pocahontas_34:

(Start: 100 @27241 has 2 MA's), (Start: 108 @27226 has 217 MA's), (Start: 110 @27220 has 3 MA's), (Start: 111 @27217 has 2 MA's), (143, 27049), (145, 27043), (172, 26926), (189, 26866), (211, 26749), (220, 26710), (226, 26683), (229, 26671), (255, 26536), (291, 26383), (313, 26293), (331, 26254), (359, 26164), (369, 26122), (373, 26110), (383, 26065), (387, 26044), (438, 25831), (449, 25810),

Gene: Poompha_32 Start: 23841, Stop: 25496, Start Num: 92

Candidate Starts for Poompha_32:

(73, 23802), (Start: 92 @23841 has 4 MA's), (Start: 103 @23850 has 3 MA's), (Start: 111 @23868 has 2 MA's), (Start: 117 @23892 has 1 MA's), (Start: 130 @23967 has 1 MA's), (132, 23976), (Start: 136 @23994 has 1 MA's), (151, 24078), (152, 24081), (159, 24117), (186, 24219), (192, 24243), (193, 24252), (211, 24348), (220, 24384), (229, 24423), (230, 24432), (231, 24435), (260, 24552), (267, 24573), (269, 24588), (272, 24600), (282, 24648), (292, 24693), (310, 24765), (320, 24789), (355, 24909), (359, 24927), (360, 24930), (361, 24933), (394, 25068), (435, 25257), (474, 25350), (483, 25380), (486, 25404), (489, 25452), (490, 25470),

Gene: Popcicle_34 Start: 27226, Stop: 25718, Start Num: 108

Candidate Starts for Popcicle_34:

(Start: 100 @27241 has 2 MA's), (Start: 108 @27226 has 217 MA's), (Start: 110 @27220 has 3 MA's), (Start: 111 @27217 has 2 MA's), (143, 27049), (145, 27043), (172, 26926), (189, 26866), (211, 26749), (220, 26710), (226, 26683), (229, 26671), (255, 26536), (291, 26383), (313, 26293), (331, 26254), (359, 26164), (369, 26122), (373, 26110), (383, 26065), (387, 26044), (438, 25831), (449, 25810),

Gene: PowerRanger_38 Start: 30483, Stop: 31985, Start Num: 108

Candidate Starts for PowerRanger_38:

(Start: 54 @30402 has 29 MA's), (Start: 57 @30408 has 3 MA's), (Start: 60 @30414 has 9 MA's), (Start: 61 @30417 has 10 MA's), (Start: 64 @30432 has 1 MA's), (Start: 108 @30483 has 217 MA's), (151, 30702), (153, 30708), (157, 30729), (190, 30858), (192, 30867), (193, 30876), (215, 30984), (220, 31005), (222, 31017), (228, 31041), (237, 31083), (269, 31212), (283, 31272), (296, 31329), (304, 31356), (310, 31383), (314, 31398), (355, 31506), (363, 31539), (382, 31620), (385, 31635), (412, 31740), (435, 31854), (476, 31953), (483, 31977),

Gene: Powerpuff_52 Start: 36416, Stop: 37834, Start Num: 104

Candidate Starts for Powerpuff_52:

(91, 36398), (101, 36413), (Start: 104 @36416 has 34 MA's), (Start: 108 @36425 has 217 MA's), (131, 36539), (Start: 136 @36563 has 1 MA's), (153, 36647), (183, 36758), (187, 36770), (189, 36779), (208, 36878), (228, 36971), (230, 36983), (237, 37010), (284, 37169), (370, 37490), (374, 37502), (382, 37535), (422, 37673),

Gene: Prinashel1_31 Start: 25691, Stop: 24252, Start Num: 120

Candidate Starts for Prinashel1_31:

(Start: 108 @25745 has 217 MA's), (Start: 117 @25712 has 1 MA's), (Start: 118 @25709 has 3 MA's), (Start: 120 @25691 has 4 MA's), (Start: 136 @25610 has 1 MA's), (167, 25466), (173, 25439), (187, 25391), (220, 25226), (225, 25202), (226, 25199), (230, 25178), (279, 24989), (310, 24848), (323, 24818), (369, 24641), (373, 24629), (393, 24545), (396, 24530), (403, 24515), (442, 24338), (462, 24308), (477, 24275),

Gene: ProMouse_35 Start: 29463, Stop: 31043, Start Num: 54

Candidate Starts for ProMouse_35:

(13, 29307), (16, 29310), (21, 29325), (30, 29388), (Start: 54 @29463 has 29 MA's), (Start: 57 @29469 has 3 MA's), (Start: 60 @29475 has 9 MA's), (Start: 61 @29478 has 10 MA's), (Start: 64 @29493 has 1 MA's), (Start: 108 @29544 has 217 MA's), (Start: 113 @29559 has 10 MA's), (151, 29763), (153, 29769), (157, 29790), (187, 29907), (190, 29919), (192, 29928), (193, 29937), (194, 29943), (211, 30033), (215, 30045), (222, 30078), (237, 30144), (269, 30273), (283, 30333), (296, 30390), (310, 30444), (314, 30459), (353, 30558), (363, 30597), (365, 30600), (382, 30678), (385, 30693), (435, 30912), (476, 31011), (483, 31035),

Gene: Pumbaa_33 Start: 26690, Stop: 25128, Start Num: 65

Candidate Starts for Pumbaa_33:

(Start: 65 @26690 has 10 MA's), (Start: 108 @26624 has 217 MA's), (Start: 114 @26606 has 3 MA's), (125, 26549), (127, 26531), (134, 26501), (Start: 136 @26489 has 1 MA's), (161, 26363), (168, 26342), (175, 26312), (186, 26273), (212, 26144), (225, 26084), (238, 26030), (272, 25892), (336, 25661), (358, 25571), (367, 25535), (373, 25508), (384, 25454), (386, 25445), (436, 25235), (442, 25217), (454, 25205), (457, 25196),

Gene: Pumpkins_48 Start: 35749, Stop: 37167, Start Num: 104

Candidate Starts for Pumpkins_48:

(91, 35731), (101, 35746), (Start: 104 @35749 has 34 MA's), (Start: 108 @35758 has 217 MA's), (153, 35980), (183, 36091), (187, 36103), (189, 36112), (208, 36211), (216, 36253), (228, 36304), (260, 36400), (351, 36748), (366, 36802), (367, 36805), (370, 36823), (374, 36835),

Gene: Puppet_37 Start: 29394, Stop: 30959, Start Num: 61

Candidate Starts for Puppet_37:

(Start: 54 @29379 has 29 MA's), (Start: 57 @29385 has 3 MA's), (Start: 60 @29391 has 9 MA's), (Start: 61 @29394 has 10 MA's), (Start: 64 @29409 has 1 MA's), (Start: 108 @29460 has 217 MA's), (151, 29679), (153, 29685), (157, 29706), (190, 29835), (192, 29844), (193, 29853), (215, 29961), (220, 29982), (222, 29994), (228, 30018), (237, 30060), (269, 30189), (283, 30249), (296, 30306), (304, 30333), (310, 30360), (311, 30363), (314, 30375), (353, 30474), (363, 30513), (382, 30594), (385, 30609), (412, 30714), (435, 30828), (476, 30927), (483, 30951),

Gene: QTRLifeCrisis_38 Start: 30185, Stop: 31672, Start Num: 113

Candidate Starts for QTRLifeCrisis_38:

(Start: 54 @30089 has 29 MA's), (Start: 57 @30095 has 3 MA's), (Start: 60 @30101 has 9 MA's), (Start: 61 @30104 has 10 MA's), (Start: 64 @30119 has 1 MA's), (Start: 108 @30170 has 217 MA's), (Start: 113 @30185 has 10 MA's), (151, 30389), (153, 30395), (156, 30407), (157, 30416), (190, 30545), (192, 30554), (193, 30563), (215, 30671), (220, 30692), (222, 30704), (228, 30728), (237, 30770), (269, 30899), (274, 30917), (283, 30959), (296, 31016), (304, 31043), (310, 31070), (311, 31073), (314, 31085), (343, 31154), (353, 31187), (355, 31193), (363, 31226), (382, 31307), (385, 31322), (412, 31427), (435, 31541), (476, 31640), (483, 31664),

Gene: QuinnKiro_33 Start: 27229, Stop: 25721, Start Num: 108

Candidate Starts for QuinnKiro_33:

(Start: 100 @27244 has 2 MA's), (Start: 108 @27229 has 217 MA's), (Start: 110 @27223 has 3 MA's), (Start: 111 @27220 has 2 MA's), (143, 27052), (145, 27046), (172, 26929), (189, 26869), (211, 26752),

(220, 26713), (226, 26686), (229, 26674), (255, 26539), (291, 26386), (313, 26296), (331, 26257), (359, 26167), (369, 26125), (373, 26113), (383, 26068), (387, 26047), (438, 25834), (449, 25813),

Gene: RER2_22 Start: 20508, Stop: 19012, Start Num: 93

Candidate Starts for RER2_22:

(Start: 93 @20508 has 32 MA's), (Start: 108 @20487 has 217 MA's), (Start: 110 @20481 has 3 MA's), (Start: 136 @20352 has 1 MA's), (145, 20304), (164, 20217), (192, 20112), (213, 20001), (226, 19941), (229, 19929), (243, 19866), (251, 19836), (259, 19803), (266, 19782), (272, 19752), (279, 19731), (285, 19686), (286, 19683), (287, 19677), (307, 19593), (323, 19554), (325, 19548), (358, 19452), (366, 19419), (370, 19398), (373, 19389), (414, 19227),

Gene: RGL3_22 Start: 20966, Stop: 19488, Start Num: 108

Candidate Starts for RGL3_22:

(Start: 69 @21038 has 1 MA's), (Start: 93 @20987 has 32 MA's), (Start: 108 @20966 has 217 MA's), (Start: 110 @20960 has 3 MA's), (Start: 136 @20831 has 1 MA's), (137, 20819), (165, 20690), (173, 20657), (186, 20612), (204, 20528), (213, 20477), (229, 20408), (238, 20369), (241, 20360), (249, 20324), (260, 20279), (273, 20228), (278, 20213), (279, 20210), (287, 20159), (292, 20141), (303, 20102), (307, 20078), (310, 20069), (312, 20063), (323, 20039), (330, 20021), (340, 20000), (357, 19946), (359, 19934), (412, 19727), (413, 19721), (414, 19718), (426, 19661), (433, 19622), (434, 19619), (440, 19595), (442, 19589),

Gene: Raid_37 Start: 29509, Stop: 31092, Start Num: 54

Candidate Starts for Raid_37:

(Start: 54 @29509 has 29 MA's), (Start: 57 @29515 has 3 MA's), (Start: 60 @29521 has 9 MA's), (Start: 61 @29524 has 10 MA's), (Start: 64 @29539 has 1 MA's), (Start: 108 @29590 has 217 MA's), (Start: 113 @29605 has 10 MA's), (115, 29614), (153, 29815), (156, 29827), (187, 29953), (190, 29965), (192, 29974), (193, 29983), (215, 30091), (220, 30112), (222, 30124), (228, 30148), (237, 30190), (269, 30319), (283, 30379), (296, 30436), (310, 30490), (314, 30505), (353, 30607), (355, 30613), (363, 30646), (382, 30727), (385, 30742), (435, 30961), (476, 31060), (483, 31084),

Gene: Rajelicia_37 Start: 29587, Stop: 31089, Start Num: 108

Candidate Starts for Rajelicia_37:

(Start: 54 @29506 has 29 MA's), (Start: 57 @29512 has 3 MA's), (Start: 60 @29518 has 9 MA's), (Start: 61 @29521 has 10 MA's), (Start: 64 @29536 has 1 MA's), (Start: 108 @29587 has 217 MA's), (Start: 113 @29602 has 10 MA's), (153, 29812), (156, 29824), (157, 29833), (190, 29962), (192, 29971), (193, 29980), (215, 30088), (220, 30109), (222, 30121), (228, 30145), (237, 30187), (269, 30316), (283, 30376), (296, 30433), (304, 30460), (310, 30487), (311, 30490), (314, 30502), (343, 30571), (353, 30604), (355, 30610), (363, 30643), (382, 30724), (385, 30739), (412, 30844), (435, 30958), (476, 31057), (483, 31081),

Gene: Rana_51 Start: 35146, Stop: 36723, Start Num: 55

Candidate Starts for Rana_51:

(Start: 34 @35080 has 7 MA's), (Start: 55 @35146 has 24 MA's), (Start: 114 @35266 has 3 MA's), (Start: 136 @35383 has 1 MA's), (147, 35434), (163, 35515), (164, 35518), (185, 35590), (186, 35599), (187, 35602), (188, 35605), (192, 35623), (217, 35755), (230, 35812), (231, 35815), (233, 35824), (240, 35848), (257, 35917), (292, 36043), (294, 36052), (310, 36118), (323, 36148), (358, 36247), (363, 36271), (366, 36280), (371, 36304), (387, 36376), (431, 36565), (440, 36604), (450, 36628), (455, 36643), (461, 36658),

Gene: Rasputin_29 Start: 23605, Stop: 22109, Start Num: 93

Candidate Starts for Rasputin_29:

(Start: 93 @23605 has 32 MA's), (Start: 108 @23584 has 217 MA's), (Start: 110 @23578 has 3 MA's), (Start: 136 @23449 has 1 MA's), (145, 23401), (192, 23209), (199, 23170), (213, 23098), (226, 23038),

(229, 23026), (251, 22933), (259, 22900), (266, 22879), (269, 22861), (272, 22849), (277, 22834), (279, 22828), (286, 22780), (294, 22747), (307, 22690), (323, 22651), (325, 22645), (358, 22549), (366, 22516), (370, 22495), (373, 22486), (414, 22324),

Gene: Rebeuca_35 Start: 27045, Stop: 25537, Start Num: 108

Candidate Starts for Rebeuca_35:

(Start: 108 @27045 has 217 MA's), (Start: 110 @27039 has 3 MA's), (Start: 114 @27027 has 3 MA's), (115, 27021), (131, 26934), (Start: 136 @26910 has 1 MA's), (172, 26745), (211, 26568), (220, 26529), (222, 26517), (225, 26505), (226, 26502), (229, 26490), (282, 26244), (286, 26223), (311, 26121), (331, 26073), (357, 25995), (360, 25980), (367, 25956), (369, 25941), (383, 25884), (387, 25863), (449, 25629),

Gene: RedBear_51 Start: 36343, Stop: 37929, Start Num: 53

Candidate Starts for RedBear_51:

(Start: 34 @36286 has 7 MA's), (Start: 53 @36343 has 5 MA's), (Start: 55 @36352 has 24 MA's), (Start: 114 @36472 has 3 MA's), (Start: 136 @36589 has 1 MA's), (147, 36640), (163, 36721), (164, 36724), (185, 36796), (186, 36805), (187, 36808), (217, 36961), (220, 36970), (230, 37018), (233, 37030), (240, 37054), (257, 37123), (258, 37126), (294, 37258), (310, 37324), (323, 37354), (358, 37453), (361, 37468), (363, 37477), (366, 37486), (371, 37510), (387, 37582), (431, 37771), (440, 37810), (447, 37825), (450, 37834), (455, 37849),

Gene: Reedo_49 Start: 33722, Stop: 35224, Start Num: 75

Candidate Starts for Reedo_49:

(Start: 75 @33722 has 3 MA's), (Start: 96 @33761 has 15 MA's), (Start: 107 @33779 has 20 MA's), (147, 33959), (151, 33983), (166, 34046), (180, 34082), (193, 34160), (250, 34430), (256, 34469), (261, 34481), (267, 34499), (272, 34526), (282, 34571), (403, 34985), (419, 35045), (425, 35078), (443, 35162),

Gene: Relief_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for Relief_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: ResDef_34 Start: 27229, Stop: 25721, Start Num: 108

Candidate Starts for ResDef_34:

(Start: 100 @27244 has 2 MA's), (Start: 108 @27229 has 217 MA's), (Start: 110 @27223 has 3 MA's), (Start: 111 @27220 has 2 MA's), (143, 27052), (145, 27046), (172, 26929), (189, 26869), (211, 26752), (220, 26713), (226, 26686), (229, 26674), (255, 26539), (291, 26386), (313, 26296), (331, 26257), (359, 26167), (369, 26125), (373, 26113), (383, 26068), (387, 26047), (438, 25834), (449, 25813),

Gene: RexFury_29 Start: 23667, Stop: 22171, Start Num: 93

Candidate Starts for RexFury_29:

(Start: 93 @23667 has 32 MA's), (Start: 108 @23646 has 217 MA's), (Start: 110 @23640 has 3 MA's), (Start: 136 @23511 has 1 MA's), (145, 23463), (164, 23376), (192, 23271), (213, 23160), (219, 23130), (226, 23100), (229, 23088), (243, 23025), (251, 22995), (259, 22962), (266, 22941), (272, 22911), (277, 22896), (279, 22890), (286, 22842), (294, 22809), (307, 22752), (323, 22713), (325, 22707), (358, 22611), (366, 22578), (370, 22557), (373, 22548), (414, 22386),

Gene: Rhodalysa_29 Start: 23636, Stop: 22140, Start Num: 93

Candidate Starts for Rhodalysa_29:

(Start: 93 @23636 has 32 MA's), (Start: 108 @23615 has 217 MA's), (Start: 110 @23609 has 3 MA's), (Start: 136 @23480 has 1 MA's), (145, 23432), (192, 23240), (213, 23129), (226, 23069), (229, 23057), (243, 22994), (251, 22964), (259, 22931), (266, 22910), (272, 22880), (277, 22865), (279, 22859), (286, 22811), (294, 22778), (307, 22721), (323, 22682), (325, 22676), (358, 22580), (366, 22547), (370, 22526), (373, 22517), (414, 22355),

Gene: RhynO_35 Start: 27045, Stop: 25519, Start Num: 108

Candidate Starts for RhynO_35:

(Start: 100 @27060 has 2 MA's), (Start: 108 @27045 has 217 MA's), (Start: 136 @26910 has 1 MA's), (220, 26529), (226, 26502), (229, 26490), (281, 26250), (286, 26223), (298, 26178), (305, 26151), (313, 26112), (331, 26073), (357, 25995), (367, 25956), (369, 25941), (383, 25884), (387, 25863), (412, 25776), (433, 25671), (438, 25650), (440, 25644), (472, 25575),

Gene: Rhynn_37 Start: 29603, Stop: 31105, Start Num: 108

Candidate Starts for Rhynn_37:

(Start: 54 @29522 has 29 MA's), (Start: 57 @29528 has 3 MA's), (Start: 60 @29534 has 9 MA's), (Start: 61 @29537 has 10 MA's), (Start: 64 @29552 has 1 MA's), (Start: 108 @29603 has 217 MA's), (Start: 113 @29618 has 10 MA's), (123, 29669), (153, 29828), (190, 29978), (192, 29987), (193, 29996), (215, 30104), (220, 30125), (222, 30137), (228, 30161), (237, 30203), (269, 30332), (283, 30392), (296, 30449), (304, 30476), (310, 30503), (314, 30518), (343, 30587), (355, 30626), (363, 30659), (382, 30740), (385, 30755), (412, 30860), (435, 30974), (476, 31073), (483, 31097),

Gene: RidgeCB_37 Start: 29192, Stop: 30691, Start Num: 108

Candidate Starts for RidgeCB_37:

(Start: 71 @29147 has 3 MA's), (Start: 108 @29192 has 217 MA's), (Start: 113 @29207 has 10 MA's), (115, 29216), (137, 29339), (151, 29411), (153, 29417), (157, 29438), (165, 29471), (190, 29567), (192, 29576), (193, 29585), (215, 29693), (220, 29714), (222, 29726), (228, 29750), (237, 29792), (269, 29921), (283, 29981), (296, 30038), (304, 30065), (310, 30092), (311, 30095), (314, 30107), (353, 30206), (363, 30245), (382, 30326), (385, 30341), (412, 30446), (435, 30560), (438, 30572), (476, 30659), (483, 30683),

Gene: Ringer_38 Start: 30000, Stop: 31502, Start Num: 108

Candidate Starts for Ringer_38:

(Start: 52 @29910 has 1 MA's), (Start: 54 @29919 has 29 MA's), (Start: 57 @29925 has 3 MA's), (Start: 60 @29931 has 9 MA's), (Start: 61 @29934 has 10 MA's), (Start: 64 @29949 has 1 MA's), (Start: 108 @30000 has 217 MA's), (Start: 113 @30015 has 10 MA's), (115, 30024), (151, 30219), (153, 30225), (190, 30375), (192, 30384), (193, 30393), (194, 30399), (211, 30489), (215, 30501), (222, 30534), (269, 30729), (283, 30789), (296, 30846), (310, 30900), (314, 30915), (353, 31017), (355, 31023), (363, 31056), (382, 31137), (385, 31152), (435, 31371), (476, 31470), (483, 31494),

Gene: Roary_30 Start: 24978, Stop: 23476, Start Num: 105

Candidate Starts for Roary_30:

(66, 25047), (Start: 76 @25020 has 1 MA's), (82, 25014), (Start: 105 @24978 has 108 MA's), (Start: 136 @24828 has 1 MA's), (157, 24723), (173, 24657), (176, 24639), (184, 24597), (185, 24594), (202, 24507), (225, 24393), (228, 24381), (250, 24288), (263, 24240), (273, 24198), (284, 24138), (307, 24036), (351, 23901), (369, 23829), (375, 23811), (395, 23724), (405, 23688), (414, 23649), (432, 23565), (452, 23517),

Gene: RockScotty_42 Start: 31328, Stop: 32767, Start Num: 107

Candidate Starts for RockScotty_42:

(Start: 107 @31328 has 20 MA's), (Start: 130 @31439 has 1 MA's), (132, 31448), (147, 31511), (151, 31535), (154, 31544), (187, 31694), (189, 31703), (218, 31859), (220, 31865), (226, 31892), (284, 32126), (286, 32141), (322, 32249), (398, 32519), (438, 32696), (445, 32711), (446, 32714),

Gene: RockieBear_32 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for RockieBear_32:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Rohr_38 Start: 29540, Stop: 31123, Start Num: 54

Candidate Starts for Rohr_38:

(Start: 54 @29540 has 29 MA's), (Start: 57 @29546 has 3 MA's), (Start: 60 @29552 has 9 MA's), (Start: 61 @29555 has 10 MA's), (Start: 64 @29570 has 1 MA's), (Start: 108 @29621 has 217 MA's), (Start: 111 @29630 has 2 MA's), (Start: 113 @29636 has 10 MA's), (115, 29645), (Start: 117 @29654 has 1 MA's), (153, 29846), (156, 29858), (157, 29867), (165, 29900), (190, 29996), (192, 30005), (193, 30014), (215, 30122), (220, 30143), (222, 30155), (228, 30179), (237, 30221), (269, 30350), (283, 30410), (296, 30467), (304, 30494), (310, 30521), (311, 30524), (314, 30536), (343, 30605), (353, 30638), (355, 30644), (363, 30677), (382, 30758), (385, 30773), (412, 30878), (435, 30992), (476, 31091), (483, 31115),

Gene: Romney_33 Start: 26646, Stop: 25123, Start Num: 96

Candidate Starts for Romney_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (228, 26037), (230, 26025), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Roosevelt_33 Start: 26639, Stop: 25125, Start Num: 105

Candidate Starts for Roosevelt_33:

(Start: 76 @26681 has 1 MA's), (Start: 96 @26648 has 15 MA's), (Start: 105 @26639 has 108 MA's), (137, 26477), (151, 26411), (156, 26393), (173, 26318), (177, 26294), (184, 26255), (185, 26252), (202, 26165), (225, 26051), (228, 26039), (273, 25856), (295, 25745), (307, 25694), (351, 25565), (354, 25556), (373, 25481), (375, 25475), (405, 25352), (414, 25313), (458, 25163), (465, 25148),

Gene: Rosa24_32 Start: 26548, Stop: 25127, Start Num: 125

Candidate Starts for Rosa24_32:

(47, 26737), (Start: 65 @26689 has 10 MA's), (Start: 102 @26632 has 1 MA's), (Start: 108 @26623 has 217 MA's), (Start: 114 @26605 has 3 MA's), (125, 26548), (127, 26530), (134, 26500), (Start: 136 @26488 has 1 MA's), (161, 26362), (168, 26341), (175, 26311), (186, 26272), (194, 26233), (212, 26143), (225, 26083), (238, 26029), (272, 25891), (312, 25723), (336, 25660), (358, 25570), (367, 25534), (373, 25507), (384, 25453), (386, 25444), (436, 25234), (442, 25216), (454, 25204), (457, 25195),

Gene: Rowdy_38 Start: 26956, Stop: 25430, Start Num: 108

Candidate Starts for Rowdy_38:

(Start: 100 @26971 has 2 MA's), (Start: 108 @26956 has 217 MA's), (Start: 136 @26821 has 1 MA's), (220, 26440), (226, 26413), (229, 26401), (281, 26161), (286, 26134), (305, 26062), (313, 26023), (331, 25984), (357, 25906), (367, 25867), (369, 25852), (383, 25795), (387, 25774), (412, 25687), (433, 25582), (438, 25561), (440, 25555), (472, 25486),

Gene: Rufus_39 Start: 29957, Stop: 31459, Start Num: 108

Candidate Starts for Rufus_39:

(Start: 54 @29876 has 29 MA's), (Start: 57 @29882 has 3 MA's), (Start: 60 @29888 has 9 MA's), (Start: 61 @29891 has 10 MA's), (Start: 64 @29906 has 1 MA's), (Start: 108 @29957 has 217 MA's),

(151, 30176), (153, 30182), (157, 30203), (187, 30320), (190, 30332), (192, 30341), (193, 30350), (215, 30458), (220, 30479), (222, 30491), (228, 30515), (237, 30557), (269, 30686), (283, 30746), (296, 30803), (304, 30830), (310, 30857), (314, 30872), (355, 30980), (363, 31013), (379, 31079), (385, 31109), (412, 31214), (435, 31328), (476, 31427), (483, 31451),

Gene: Ruin_33 Start: 26633, Stop: 25119, Start Num: 105

Candidate Starts for Ruin_33:

(Start: 76 @26675 has 1 MA's), (Start: 96 @26642 has 15 MA's), (Start: 105 @26633 has 108 MA's), (137, 26471), (151, 26405), (156, 26387), (173, 26312), (177, 26288), (184, 26249), (185, 26246), (202, 26159), (225, 26045), (228, 26033), (273, 25850), (295, 25739), (307, 25688), (351, 25559), (354, 25550), (373, 25475), (375, 25469), (405, 25346), (414, 25307), (458, 25157), (465, 25142),

Gene: Rummer_36 Start: 27306, Stop: 25738, Start Num: 105

Candidate Starts for Rummer_36:

(42, 27456), (49, 27441), (82, 27342), (Start: 105 @27306 has 108 MA's), (157, 27051), (162, 27027), (176, 26967), (184, 26919), (185, 26916), (202, 26829), (206, 26817), (208, 26796), (213, 26772), (228, 26703), (244, 26634), (245, 26625), (273, 26520), (279, 26475), (307, 26343), (338, 26259), (353, 26202), (405, 25995), (434, 25854),

Gene: Ruotula_37 Start: 30065, Stop: 31648, Start Num: 54

Candidate Starts for Ruotula_37:

(Start: 54 @30065 has 29 MA's), (Start: 57 @30071 has 3 MA's), (Start: 60 @30077 has 9 MA's), (Start: 61 @30080 has 10 MA's), (Start: 64 @30095 has 1 MA's), (Start: 108 @30146 has 217 MA's), (Start: 130 @30254 has 1 MA's), (153, 30371), (157, 30392), (190, 30521), (192, 30530), (193, 30539), (215, 30647), (220, 30668), (222, 30680), (228, 30704), (237, 30746), (269, 30875), (283, 30935), (296, 30992), (310, 31046), (314, 31061), (343, 31130), (355, 31169), (363, 31202), (382, 31283), (385, 31298), (435, 31517), (476, 31616), (483, 31640),

Gene: Rutherferd_39 Start: 30225, Stop: 31727, Start Num: 108

Candidate Starts for Rutherferd_39:

(Start: 54 @30144 has 29 MA's), (Start: 57 @30150 has 3 MA's), (Start: 60 @30156 has 9 MA's), (Start: 61 @30159 has 10 MA's), (Start: 64 @30174 has 1 MA's), (Start: 108 @30225 has 217 MA's), (115, 30249), (151, 30444), (153, 30450), (156, 30462), (157, 30471), (190, 30600), (192, 30609), (193, 30618), (215, 30726), (220, 30747), (222, 30759), (228, 30783), (237, 30825), (269, 30954), (283, 31014), (296, 31071), (304, 31098), (310, 31125), (314, 31140), (353, 31242), (355, 31248), (363, 31281), (382, 31362), (385, 31377), (435, 31596), (476, 31695), (483, 31719),

Gene: STLscum_38 Start: 30309, Stop: 31877, Start Num: 61

Candidate Starts for STLscum_38:

(Start: 54 @30294 has 29 MA's), (Start: 57 @30300 has 3 MA's), (Start: 60 @30306 has 9 MA's), (Start: 61 @30309 has 10 MA's), (Start: 64 @30324 has 1 MA's), (Start: 108 @30375 has 217 MA's), (Start: 130 @30483 has 1 MA's), (151, 30594), (153, 30600), (157, 30621), (190, 30750), (192, 30759), (193, 30768), (215, 30876), (220, 30897), (222, 30909), (228, 30933), (237, 30975), (269, 31104), (283, 31164), (296, 31221), (304, 31248), (310, 31275), (311, 31278), (314, 31290), (355, 31398), (363, 31431), (382, 31512), (385, 31527), (412, 31632), (435, 31746), (476, 31845), (483, 31869),

Gene: Sabertooth_33 Start: 26636, Stop: 25122, Start Num: 105

Candidate Starts for Sabertooth_33:

(Start: 76 @26678 has 1 MA's), (Start: 96 @26645 has 15 MA's), (Start: 105 @26636 has 108 MA's), (137, 26474), (151, 26408), (156, 26390), (173, 26315), (177, 26291), (184, 26252), (185, 26249), (202, 26162), (225, 26048), (228, 26036), (273, 25853), (295, 25742), (307, 25691), (351, 25562), (354, 25553), (373, 25478), (375, 25472), (405, 25349), (414, 25310), (458, 25160), (465, 25145),

Gene: Sabourin_43 Start: 31408, Stop: 32847, Start Num: 107

Candidate Starts for Sabourin_43:

(Start: 107 @31408 has 20 MA's), (Start: 130 @31519 has 1 MA's), (132, 31528), (147, 31591), (151, 31615), (154, 31624), (187, 31774), (189, 31783), (218, 31939), (220, 31945), (226, 31972), (241, 32032), (284, 32206), (286, 32221), (322, 32329), (376, 32512), (438, 32776), (445, 32791), (446, 32794),

Gene: Sagefire_39 Start: 30397, Stop: 31899, Start Num: 108

Candidate Starts for Sagefire_39:

(Start: 54 @30316 has 29 MA's), (Start: 57 @30322 has 3 MA's), (Start: 60 @30328 has 9 MA's), (Start: 61 @30331 has 10 MA's), (Start: 64 @30346 has 1 MA's), (Start: 108 @30397 has 217 MA's), (Start: 111 @30406 has 2 MA's), (Start: 130 @30505 has 1 MA's), (132, 30514), (153, 30622), (157, 30643), (190, 30772), (192, 30781), (193, 30790), (215, 30898), (220, 30919), (222, 30931), (228, 30955), (237, 30997), (269, 31126), (283, 31186), (296, 31243), (304, 31270), (310, 31297), (311, 31300), (314, 31312), (353, 31414), (355, 31420), (382, 31534), (385, 31549), (412, 31654), (435, 31768), (476, 31867), (483, 31891),

Gene: Samora_58 Start: 39277, Stop: 40836, Start Num: 116

Candidate Starts for Samora_58:

(Start: 74 @39181 has 3 MA's), (Start: 98 @39226 has 1 MA's), (Start: 105 @39235 has 108 MA's), (109, 39247), (Start: 116 @39277 has 3 MA's), (152, 39463), (153, 39466), (159, 39499), (161, 39508), (171, 39547), (173, 39553), (179, 39583), (185, 39613), (187, 39625), (188, 39628), (198, 39682), (199, 39685), (203, 39703), (205, 39712), (217, 39781), (275, 40039), (277, 40051), (282, 40096), (292, 40141), (296, 40156), (308, 40213), (310, 40219), (323, 40249), (340, 40294), (368, 40408), (369, 40414), (387, 40492), (432, 40681), (433, 40684), (459, 40759), (465, 40771),

Gene: Samy_94 Start: 56925, Stop: 58457, Start Num: 86

Candidate Starts for Samy_94:

(Start: 62 @56856 has 1 MA's), (Start: 64 @56877 has 1 MA's), (Start: 86 @56925 has 2 MA's), (122, 57030), (125, 57042), (155, 57189), (169, 57246), (182, 57324), (192, 57369), (218, 57507), (221, 57516), (243, 57621), (261, 57654), (266, 57669), (270, 57690), (275, 57720), (292, 57789), (306, 57849), (327, 57912), (349, 57996), (351, 58011), (369, 58083), (380, 58122), (382, 58131), (387, 58155), (422, 58263), (423, 58266), (425, 58284), (473, 58434),

Gene: Sandaddy_37 Start: 29421, Stop: 30989, Start Num: 61

Candidate Starts for Sandaddy_37:

(Start: 54 @29406 has 29 MA's), (Start: 57 @29412 has 3 MA's), (Start: 60 @29418 has 9 MA's), (Start: 61 @29421 has 10 MA's), (Start: 64 @29436 has 1 MA's), (Start: 108 @29487 has 217 MA's), (151, 29706), (153, 29712), (157, 29733), (190, 29862), (192, 29871), (193, 29880), (215, 29988), (222, 30021), (228, 30045), (237, 30087), (269, 30216), (283, 30276), (296, 30333), (304, 30360), (310, 30387), (311, 30390), (314, 30402), (343, 30471), (355, 30510), (363, 30543), (382, 30624), (385, 30639), (412, 30744), (435, 30858), (476, 30957), (483, 30981),

Gene: Sanya_36 Start: 30102, Stop: 31670, Start Num: 61

Candidate Starts for Sanya_36:

(Start: 54 @30087 has 29 MA's), (Start: 57 @30093 has 3 MA's), (Start: 60 @30099 has 9 MA's), (Start: 61 @30102 has 10 MA's), (Start: 64 @30117 has 1 MA's), (Start: 108 @30168 has 217 MA's), (Start: 111 @30177 has 2 MA's), (Start: 113 @30183 has 10 MA's), (115, 30192), (151, 30387), (153, 30393), (190, 30543), (192, 30552), (193, 30561), (215, 30669), (220, 30690), (222, 30702), (228, 30726), (237, 30768), (269, 30897), (283, 30957), (296, 31014), (310, 31068), (314, 31083), (355, 31191), (363, 31224), (382, 31305), (385, 31320), (412, 31425), (435, 31539), (476, 31638), (483, 31662),

Gene: SarFire_37 Start: 29648, Stop: 31210, Start Num: 64

Candidate Starts for SarFire_37:

(Start: 54 @29618 has 29 MA's), (Start: 57 @29624 has 3 MA's), (Start: 60 @29630 has 9 MA's),
(Start: 61 @29633 has 10 MA's), (Start: 64 @29648 has 1 MA's), (Start: 108 @29699 has 217 MA's),
(151, 29918), (153, 29924), (156, 29936), (157, 29945), (190, 30074), (192, 30083), (193, 30092),
(215, 30200), (220, 30221), (222, 30233), (228, 30257), (237, 30299), (269, 30428), (283, 30488),
(296, 30545), (304, 30572), (310, 30599), (311, 30602), (314, 30614), (353, 30713), (363, 30752),
(382, 30833), (385, 30848), (435, 31067),

Gene: SarahRose_50 Start: 36181, Stop: 37794, Start Num: 55

Candidate Starts for SarahRose_50:

(Start: 34 @36115 has 7 MA's), (Start: 53 @36172 has 5 MA's), (Start: 55 @36181 has 24 MA's),
(Start: 114 @36328 has 3 MA's), (132, 36427), (Start: 136 @36445 has 1 MA's), (147, 36496), (163,
36577), (164, 36580), (185, 36652), (186, 36661), (187, 36664), (211, 36790), (217, 36817), (233,
36886), (244, 36931), (262, 37000), (271, 37027), (284, 37075), (294, 37123), (305, 37162), (310,
37189), (323, 37219), (363, 37342), (377, 37402), (387, 37447), (421, 37576), (429, 37627), (431,
37636), (440, 37675), (450, 37699), (455, 37714), (461, 37729), (469, 37744),

Gene: Scamp_33 Start: 26639, Stop: 25125, Start Num: 105

Candidate Starts for Scamp_33:

(Start: 76 @26681 has 1 MA's), (Start: 96 @26648 has 15 MA's), (Start: 105 @26639 has 108 MA's),
(137, 26477), (151, 26411), (156, 26393), (173, 26318), (177, 26294), (184, 26255), (185, 26252),
(202, 26165), (225, 26051), (228, 26039), (230, 26027), (273, 25856), (295, 25745), (307, 25694),
(351, 25565), (354, 25556), (373, 25481), (375, 25475), (405, 25352), (414, 25313), (458, 25163),
(465, 25148),

Gene: Schaffner_49 Start: 35742, Stop: 37160, Start Num: 104

Candidate Starts for Schaffner_49:

(91, 35724), (101, 35739), (Start: 104 @35742 has 34 MA's), (Start: 108 @35751 has 217 MA's), (153,
35973), (183, 36084), (187, 36096), (189, 36105), (209, 36207), (216, 36246), (228, 36297), (351,
36741), (367, 36798), (370, 36816), (374, 36828), (423, 37002),

Gene: Scorpia_32 Start: 25388, Stop: 23907, Start Num: 108

Candidate Starts for Scorpia_32:

(84, 25415), (Start: 108 @25388 has 217 MA's), (Start: 118 @25352 has 3 MA's), (Start: 136 @25253
has 1 MA's), (153, 25169), (161, 25127), (169, 25103), (175, 25076), (186, 25037), (192, 25013), (220,
24869), (288, 24575), (293, 24557), (302, 24530), (307, 24500), (314, 24476), (323, 24461), (345,
24401), (358, 24350), (359, 24341), (373, 24287), (380, 24254), (396, 24188), (442, 23996), (480,
23918),

Gene: Scowl_37 Start: 29862, Stop: 31430, Start Num: 60

Candidate Starts for Scowl_37:

(Start: 54 @29850 has 29 MA's), (Start: 57 @29856 has 3 MA's), (Start: 60 @29862 has 9 MA's),
(Start: 61 @29865 has 10 MA's), (Start: 64 @29880 has 1 MA's), (Start: 108 @29931 has 217 MA's),
(151, 30150), (153, 30156), (157, 30177), (190, 30306), (192, 30315), (193, 30324), (215, 30432),
(220, 30453), (222, 30465), (228, 30489), (237, 30531), (269, 30660), (283, 30720), (296, 30777),
(310, 30831), (311, 30834), (314, 30846), (363, 30984), (382, 31065), (385, 31080), (412, 31185),
(435, 31299), (438, 31311), (476, 31398), (483, 31422),

Gene: Seabiscuit_39 Start: 29433, Stop: 30935, Start Num: 108

Candidate Starts for Seabiscuit_39:

(Start: 54 @29352 has 29 MA's), (Start: 57 @29358 has 3 MA's), (Start: 60 @29364 has 9 MA's),
(Start: 61 @29367 has 10 MA's), (Start: 64 @29382 has 1 MA's), (Start: 108 @29433 has 217 MA's),

(151, 29652), (153, 29658), (187, 29796), (190, 29808), (192, 29817), (193, 29826), (194, 29832), (211, 29922), (215, 29934), (222, 29967), (263, 30135), (269, 30162), (283, 30222), (296, 30279), (304, 30306), (310, 30333), (314, 30348), (343, 30417), (355, 30456), (363, 30489), (379, 30555), (385, 30585), (402, 30648), (412, 30690), (416, 30705), (435, 30804), (476, 30903), (483, 30927),

Gene: Seanderson_38 Start: 30061, Stop: 31563, Start Num: 108

Candidate Starts for Seanderson_38:

(Start: 54 @29980 has 29 MA's), (Start: 57 @29986 has 3 MA's), (Start: 60 @29992 has 9 MA's), (Start: 61 @29995 has 10 MA's), (Start: 64 @30010 has 1 MA's), (Start: 108 @30061 has 217 MA's), (153, 30286), (157, 30307), (190, 30436), (192, 30445), (193, 30454), (215, 30562), (220, 30583), (222, 30595), (228, 30619), (269, 30790), (283, 30850), (296, 30907), (304, 30934), (310, 30961), (311, 30964), (314, 30976), (343, 31045), (353, 31078), (355, 31084), (363, 31117), (382, 31198), (385, 31213), (412, 31318), (435, 31432), (476, 31531), (483, 31555),

Gene: SenorClean_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for SenorClean_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Severus_32 Start: 23850, Stop: 25496, Start Num: 103

Candidate Starts for Severus_32:

(73, 23802), (Start: 92 @23841 has 4 MA's), (Start: 103 @23850 has 3 MA's), (Start: 111 @23868 has 2 MA's), (Start: 117 @23892 has 1 MA's), (Start: 130 @23967 has 1 MA's), (132, 23976), (Start: 136 @23994 has 1 MA's), (151, 24078), (152, 24081), (159, 24117), (186, 24219), (192, 24243), (193, 24252), (211, 24348), (220, 24384), (229, 24423), (230, 24432), (231, 24435), (260, 24552), (267, 24573), (269, 24588), (272, 24600), (282, 24648), (292, 24693), (310, 24765), (320, 24789), (355, 24909), (359, 24927), (360, 24930), (361, 24933), (394, 25068), (435, 25257), (474, 25350), (483, 25380), (486, 25404), (489, 25452), (490, 25470),

Gene: Shaka_33 Start: 26646, Stop: 25123, Start Num: 96

Candidate Starts for Shaka_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Shapes_38 Start: 26956, Stop: 25430, Start Num: 108

Candidate Starts for Shapes_38:

(Start: 100 @26971 has 2 MA's), (Start: 108 @26956 has 217 MA's), (Start: 136 @26821 has 1 MA's), (220, 26440), (226, 26413), (229, 26401), (281, 26161), (286, 26134), (305, 26062), (313, 26023), (331, 25984), (357, 25906), (367, 25867), (369, 25852), (383, 25795), (387, 25774), (412, 25687), (433, 25582), (438, 25561), (440, 25555), (472, 25486),

Gene: SheaKeira_35 Start: 26656, Stop: 25103, Start Num: 108

Candidate Starts for SheaKeira_35:

(56, 26761), (59, 26755), (Start: 108 @26656 has 217 MA's), (126, 26575), (Start: 136 @26521 has 1 MA's), (173, 26350), (225, 26116), (230, 26092), (272, 25924), (286, 25858), (307, 25771), (310, 25762), (315, 25741), (336, 25681), (373, 25531), (396, 25432), (400, 25423), (436, 25258), (442, 25240), (470, 25192), (473, 25183),

Gene: Sheen_34 Start: 28925, Stop: 27417, Start Num: 108

Candidate Starts for Sheen_34:

(Start: 100 @28940 has 2 MA's), (Start: 108 @28925 has 217 MA's), (137, 28778), (172, 28625), (189, 28565), (211, 28448), (220, 28409), (225, 28385), (226, 28382), (229, 28370), (255, 28235), (282, 28124), (286, 28103), (291, 28082), (313, 27992), (330, 27956), (331, 27953), (353, 27887), (359, 27863), (367, 27836), (369, 27821), (373, 27809), (380, 27776), (387, 27743), (433, 27551), (438, 27530), (449, 27509), (472, 27455),

Gene: Shuman_29 Start: 23649, Stop: 22141, Start Num: 93

Candidate Starts for Shuman_29:

(Start: 93 @23649 has 32 MA's), (Start: 108 @23628 has 217 MA's), (Start: 110 @23622 has 3 MA's), (Start: 136 @23493 has 1 MA's), (145, 23445), (164, 23358), (192, 23253), (213, 23142), (226, 23082), (229, 23070), (243, 23007), (251, 22977), (259, 22944), (266, 22923), (272, 22893), (277, 22878), (279, 22872), (286, 22824), (294, 22791), (307, 22734), (323, 22695), (325, 22689), (370, 22539), (414, 22368), (480, 22152),

Gene: Shygu2_33 Start: 26631, Stop: 25117, Start Num: 105

Candidate Starts for Shygu2_33:

(Start: 76 @26673 has 1 MA's), (Start: 96 @26640 has 15 MA's), (Start: 105 @26631 has 108 MA's), (Start: 117 @26586 has 1 MA's), (137, 26469), (151, 26403), (156, 26385), (173, 26310), (177, 26286), (184, 26247), (185, 26244), (202, 26157), (225, 26043), (228, 26031), (273, 25848), (283, 25791), (295, 25737), (307, 25686), (351, 25557), (354, 25548), (373, 25473), (375, 25467), (404, 25353), (405, 25344), (414, 25305), (458, 25155), (465, 25140),

Gene: Sibs6_38 Start: 28591, Stop: 30105, Start Num: 108

Candidate Starts for Sibs6_38:

(Start: 54 @28510 has 29 MA's), (Start: 57 @28516 has 3 MA's), (Start: 60 @28522 has 9 MA's), (Start: 61 @28525 has 10 MA's), (Start: 64 @28540 has 1 MA's), (Start: 108 @28591 has 217 MA's), (Start: 113 @28606 has 10 MA's), (151, 28810), (153, 28816), (157, 28837), (190, 28966), (192, 28975), (193, 28984), (211, 29080), (215, 29092), (222, 29125), (230, 29161), (269, 29320), (283, 29380), (296, 29437), (310, 29491), (314, 29506), (355, 29614), (363, 29647), (365, 29650), (382, 29728), (385, 29743), (435, 29962),

Gene: Simpson_52 Start: 35322, Stop: 36740, Start Num: 104

Candidate Starts for Simpson_52:

(91, 35304), (101, 35319), (Start: 104 @35322 has 34 MA's), (Start: 108 @35331 has 217 MA's), (131, 35445), (Start: 136 @35469 has 1 MA's), (153, 35553), (183, 35664), (187, 35676), (189, 35685), (208, 35784), (228, 35877), (230, 35889), (237, 35916), (272, 36021), (284, 36075), (370, 36396), (374, 36408), (382, 36441), (422, 36579),

Gene: Skelbel_49 Start: 35962, Stop: 37383, Start Num: 104

Candidate Starts for Skelbel_49:

(91, 35944), (101, 35959), (Start: 104 @35962 has 34 MA's), (Start: 108 @35971 has 217 MA's), (131, 36085), (Start: 136 @36109 has 1 MA's), (153, 36193), (159, 36226), (163, 36241), (183, 36304), (187, 36316), (189, 36325), (208, 36424), (216, 36466), (228, 36517), (237, 36556), (267, 36634), (272, 36661), (284, 36715), (367, 37021), (368, 37030), (370, 37039), (374, 37051), (422, 37222), (437, 37309),

Gene: SkiPole_40 Start: 29928, Stop: 31442, Start Num: 108

Candidate Starts for SkiPole_40:

(45, 29826), (51, 29838), (Start: 54 @29847 has 29 MA's), (Start: 57 @29853 has 3 MA's), (Start: 60 @29859 has 9 MA's), (Start: 61 @29862 has 10 MA's), (Start: 64 @29877 has 1 MA's), (Start: 108 @29928 has 217 MA's), (Start: 113 @29943 has 10 MA's), (115, 29952), (153, 30153), (156, 30165), (157, 30174), (190, 30303), (192, 30312), (193, 30321), (215, 30429), (220, 30450), (222, 30462),

(228, 30486), (237, 30528), (269, 30657), (283, 30717), (296, 30774), (304, 30801), (310, 30828), (314, 30843), (343, 30912), (355, 30951), (363, 30984), (382, 31065), (385, 31080), (412, 31185), (435, 31299),

Gene: Skipitt_33 Start: 26634, Stop: 25120, Start Num: 105

Candidate Starts for Skipitt_33:

(Start: 76 @26676 has 1 MA's), (Start: 96 @26643 has 15 MA's), (Start: 105 @26634 has 108 MA's), (137, 26472), (151, 26406), (156, 26388), (173, 26313), (177, 26289), (184, 26250), (185, 26247), (202, 26160), (225, 26046), (228, 26034), (273, 25851), (295, 25740), (307, 25689), (351, 25560), (354, 25551), (373, 25476), (375, 25470), (405, 25347), (414, 25308), (458, 25158), (465, 25143),

Gene: Slagathor_38 Start: 29511, Stop: 31013, Start Num: 108

Candidate Starts for Slagathor_38:

(Start: 54 @29430 has 29 MA's), (Start: 57 @29436 has 3 MA's), (Start: 60 @29442 has 9 MA's), (Start: 61 @29445 has 10 MA's), (Start: 64 @29460 has 1 MA's), (Start: 108 @29511 has 217 MA's), (Start: 113 @29526 has 10 MA's), (153, 29736), (156, 29748), (157, 29757), (190, 29886), (192, 29895), (193, 29904), (215, 30012), (220, 30033), (222, 30045), (228, 30069), (237, 30111), (269, 30240), (283, 30300), (296, 30357), (304, 30384), (310, 30411), (311, 30414), (314, 30426), (343, 30495), (353, 30528), (355, 30534), (363, 30567), (382, 30648), (385, 30663), (412, 30768), (435, 30882), (476, 30981), (483, 31005),

Gene: Smairt_38 Start: 29608, Stop: 31107, Start Num: 108

Candidate Starts for Smairt_38:

(Start: 50 @29518 has 1 MA's), (Start: 71 @29563 has 3 MA's), (Start: 108 @29608 has 217 MA's), (Start: 113 @29623 has 10 MA's), (115, 29632), (137, 29755), (151, 29827), (153, 29833), (157, 29854), (190, 29983), (192, 29992), (193, 30001), (215, 30109), (220, 30130), (222, 30142), (228, 30166), (237, 30208), (269, 30337), (283, 30397), (296, 30454), (304, 30481), (310, 30508), (311, 30511), (314, 30523), (353, 30622), (363, 30661), (365, 30664), (382, 30742), (385, 30757), (435, 30976), (476, 31075), (483, 31099),

Gene: Smeadley_30 Start: 25011, Stop: 23509, Start Num: 105

Candidate Starts for Smeadley_30:

(66, 25080), (Start: 76 @25053 has 1 MA's), (82, 25047), (Start: 105 @25011 has 108 MA's), (Start: 136 @24861 has 1 MA's), (157, 24756), (173, 24690), (176, 24672), (184, 24630), (185, 24627), (202, 24540), (208, 24507), (228, 24414), (250, 24321), (263, 24273), (273, 24231), (284, 24171), (307, 24069), (369, 23862), (395, 23757), (405, 23721), (414, 23682), (432, 23598), (452, 23550),

Gene: Smeagol_39 Start: 30836, Stop: 32335, Start Num: 108

Candidate Starts for Smeagol_39:

(Start: 108 @30836 has 217 MA's), (Start: 113 @30851 has 10 MA's), (Start: 130 @30944 has 1 MA's), (Start: 136 @30971 has 1 MA's), (137, 30983), (151, 31055), (153, 31061), (156, 31073), (157, 31082), (165, 31115), (172, 31145), (173, 31148), (190, 31211), (193, 31229), (211, 31325), (215, 31337), (222, 31370), (228, 31394), (241, 31448), (243, 31463), (251, 31493), (269, 31565), (283, 31625), (292, 31667), (296, 31682), (304, 31709), (306, 31724), (307, 31727), (310, 31736), (314, 31751), (353, 31850), (363, 31889), (373, 31928), (375, 31934), (382, 31970), (385, 31985), (389, 32000), (412, 32090), (435, 32204), (436, 32210), (476, 32303), (483, 32327),

Gene: Snazzy_36 Start: 29422, Stop: 30936, Start Num: 108

Candidate Starts for Snazzy_36:

(Start: 54 @29341 has 29 MA's), (Start: 57 @29347 has 3 MA's), (Start: 60 @29353 has 9 MA's), (Start: 61 @29356 has 10 MA's), (Start: 64 @29371 has 1 MA's), (Start: 108 @29422 has 217 MA's), (Start: 113 @29437 has 10 MA's), (151, 29641), (153, 29647), (187, 29785), (190, 29797), (192, 29806), (193, 29815), (211, 29911), (215, 29923), (222, 29956), (230, 29992), (269, 30151), (283,

30211), (296, 30268), (304, 30295), (310, 30322), (314, 30337), (353, 30439), (355, 30445), (363, 30478), (365, 30481), (373, 30517), (382, 30559), (385, 30574), (412, 30679), (435, 30793),

Gene: Snek_51 Start: 34577, Stop: 36082, Start Num: 75

Candidate Starts for Snek_51:

(Start: 75 @34577 has 3 MA's), (Start: 96 @34616 has 15 MA's), (Start: 107 @34634 has 20 MA's), (147, 34820), (193, 35021), (209, 35102), (272, 35387), (309, 35516), (360, 35681), (403, 35843), (440, 36014), (443, 36020),

Gene: Snorlax_50 Start: 36206, Stop: 37819, Start Num: 55

Candidate Starts for Snorlax_50:

(Start: 34 @36140 has 7 MA's), (Start: 53 @36197 has 5 MA's), (Start: 55 @36206 has 24 MA's), (Start: 114 @36353 has 3 MA's), (132, 36452), (Start: 136 @36470 has 1 MA's), (147, 36521), (163, 36602), (164, 36605), (185, 36677), (186, 36686), (187, 36689), (211, 36815), (217, 36842), (233, 36911), (244, 36956), (262, 37025), (271, 37052), (284, 37100), (294, 37148), (305, 37187), (310, 37214), (323, 37244), (360, 37355), (363, 37367), (377, 37427), (387, 37472), (412, 37562), (421, 37601), (429, 37652), (431, 37661), (440, 37700), (450, 37724), (455, 37739), (461, 37754), (469, 37769),

Gene: Solon_37 Start: 29718, Stop: 31220, Start Num: 108

Candidate Starts for Solon_37:

(Start: 54 @29637 has 29 MA's), (Start: 57 @29643 has 3 MA's), (Start: 60 @29649 has 9 MA's), (Start: 61 @29652 has 10 MA's), (Start: 64 @29667 has 1 MA's), (Start: 108 @29718 has 217 MA's), (Start: 130 @29826 has 1 MA's), (151, 29937), (153, 29943), (157, 29964), (190, 30093), (192, 30102), (193, 30111), (215, 30219), (220, 30240), (222, 30252), (228, 30276), (237, 30318), (269, 30447), (283, 30507), (296, 30564), (304, 30591), (310, 30618), (314, 30633), (343, 30702), (355, 30741), (363, 30774), (382, 30855), (385, 30870), (412, 30975), (435, 31089), (438, 31101), (476, 31188), (483, 31212),

Gene: Sooty_43 Start: 31423, Stop: 32862, Start Num: 107

Candidate Starts for Sooty_43:

(Start: 107 @31423 has 20 MA's), (Start: 130 @31534 has 1 MA's), (132, 31543), (147, 31606), (151, 31630), (154, 31639), (187, 31789), (189, 31798), (218, 31954), (220, 31960), (226, 31987), (241, 32047), (284, 32221), (286, 32236), (322, 32344), (376, 32527), (438, 32791), (445, 32806), (446, 32809),

Gene: SororFago_38 Start: 28571, Stop: 26961, Start Num: 105

Candidate Starts for SororFago_38:

(37, 28712), (46, 28688), (59, 28649), (Start: 96 @28580 has 15 MA's), (Start: 105 @28571 has 108 MA's), (Start: 136 @28421 has 1 MA's), (157, 28316), (173, 28250), (174, 28244), (185, 28178), (186, 28169), (191, 28148), (225, 27977), (230, 27953), (235, 27932), (237, 27926), (244, 27896), (261, 27830), (263, 27824), (273, 27782), (279, 27764), (282, 27740), (295, 27683), (319, 27593), (360, 27479), (362, 27470), (373, 27428), (382, 27386), (392, 27347), (405, 27299), (423, 27230), (432, 27167), (437, 27146), (440, 27137), (451, 27113), (478, 27050), (485, 27011),

Gene: Sorpresa_37 Start: 29408, Stop: 30991, Start Num: 54

Candidate Starts for Sorpresa_37:

(Start: 54 @29408 has 29 MA's), (Start: 57 @29414 has 3 MA's), (Start: 60 @29420 has 9 MA's), (Start: 61 @29423 has 10 MA's), (Start: 64 @29438 has 1 MA's), (Start: 108 @29489 has 217 MA's), (151, 29708), (153, 29714), (157, 29735), (190, 29864), (192, 29873), (193, 29882), (215, 29990), (222, 30023), (228, 30047), (237, 30089), (269, 30218), (283, 30278), (296, 30335), (304, 30362), (310, 30389), (311, 30392), (314, 30404), (343, 30473), (355, 30512), (363, 30545), (382, 30626), (385, 30641), (412, 30746), (435, 30860), (476, 30959), (483, 30983),

Gene: Soshari_38 Start: 27305, Stop: 25737, Start Num: 105

Candidate Starts for Soshari_38:

(42, 27455), (49, 27440), (82, 27341), (Start: 105 @27305 has 108 MA's), (157, 27050), (162, 27026), (176, 26966), (184, 26918), (185, 26915), (202, 26828), (206, 26816), (208, 26795), (213, 26771), (228, 26702), (244, 26633), (245, 26624), (273, 26519), (279, 26474), (307, 26342), (338, 26258), (353, 26201), (405, 25994), (434, 25853),

Gene: South40_50 Start: 36352, Stop: 37929, Start Num: 55

Candidate Starts for South40_50:

(Start: 34 @36286 has 7 MA's), (Start: 53 @36343 has 5 MA's), (Start: 55 @36352 has 24 MA's), (Start: 114 @36472 has 3 MA's), (Start: 136 @36589 has 1 MA's), (147, 36640), (163, 36721), (164, 36724), (185, 36796), (186, 36805), (187, 36808), (217, 36961), (220, 36970), (230, 37018), (233, 37030), (240, 37054), (257, 37123), (258, 37126), (294, 37258), (310, 37324), (323, 37354), (358, 37453), (361, 37468), (363, 37477), (366, 37486), (371, 37510), (387, 37582), (431, 37771), (440, 37810), (447, 37825), (450, 37834), (455, 37849),

Gene: SpecialK_43 Start: 31407, Stop: 32846, Start Num: 107

Candidate Starts for SpecialK_43:

(Start: 107 @31407 has 20 MA's), (Start: 130 @31518 has 1 MA's), (132, 31527), (147, 31590), (151, 31614), (154, 31623), (187, 31773), (189, 31782), (218, 31938), (220, 31944), (226, 31971), (284, 32205), (322, 32328), (438, 32775), (445, 32790), (446, 32793),

Gene: Spike509_36 Start: 27306, Stop: 25738, Start Num: 105

Candidate Starts for Spike509_36:

(42, 27456), (49, 27441), (82, 27342), (Start: 105 @27306 has 108 MA's), (157, 27051), (162, 27027), (176, 26967), (184, 26919), (185, 26916), (202, 26829), (206, 26817), (208, 26796), (213, 26772), (228, 26703), (244, 26634), (245, 26625), (273, 26520), (279, 26475), (307, 26343), (338, 26259), (353, 26202), (405, 25995), (434, 25854),

Gene: SpikeBT_39 Start: 30421, Stop: 31968, Start Num: 71

Candidate Starts for SpikeBT_39:

(Start: 71 @30421 has 3 MA's), (Start: 108 @30466 has 217 MA's), (Start: 117 @30499 has 1 MA's), (151, 30685), (153, 30691), (157, 30712), (190, 30841), (192, 30850), (193, 30859), (215, 30967), (220, 30988), (222, 31000), (228, 31024), (237, 31066), (269, 31195), (283, 31255), (296, 31312), (304, 31339), (310, 31366), (311, 31369), (314, 31381), (343, 31450), (355, 31489), (363, 31522), (382, 31603), (385, 31618), (435, 31837), (438, 31849), (476, 31936), (483, 31960),

Gene: Spino_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for Spino_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Squee_38 Start: 30273, Stop: 31787, Start Num: 108

Candidate Starts for Squee_38:

(Start: 54 @30192 has 29 MA's), (Start: 57 @30198 has 3 MA's), (Start: 60 @30204 has 9 MA's), (Start: 61 @30207 has 10 MA's), (Start: 64 @30222 has 1 MA's), (Start: 108 @30273 has 217 MA's), (153, 30498), (157, 30519), (187, 30636), (190, 30648), (192, 30657), (193, 30666), (215, 30774), (220, 30795), (222, 30807), (228, 30831), (237, 30873), (269, 31002), (283, 31062), (296, 31119), (310, 31173), (314, 31188), (355, 31296), (363, 31329), (365, 31332), (382, 31410), (385, 31425), (386, 31431), (435, 31644), (438, 31656),

Gene: StCroix_29 Start: 23649, Stop: 22141, Start Num: 93

Candidate Starts for StCroix_29:

(Start: 93 @23649 has 32 MA's), (Start: 108 @23628 has 217 MA's), (Start: 110 @23622 has 3 MA's), (Start: 136 @23493 has 1 MA's), (145, 23445), (164, 23358), (192, 23253), (213, 23142), (226, 23082), (229, 23070), (243, 23007), (251, 22977), (259, 22944), (266, 22923), (272, 22893), (277, 22878), (279, 22872), (286, 22824), (294, 22791), (307, 22734), (323, 22695), (325, 22689), (370, 22539), (414, 22368), (480, 22152),

Gene: Stasia_34 Start: 27079, Stop: 25547, Start Num: 105

Candidate Starts for Stasia_34:

(67, 27148), (Start: 76 @27121 has 1 MA's), (Start: 96 @27088 has 15 MA's), (Start: 105 @27079 has 108 MA's), (137, 26917), (151, 26851), (156, 26833), (173, 26758), (184, 26695), (185, 26692), (210, 26563), (228, 26479), (244, 26410), (260, 26347), (263, 26338), (273, 26296), (283, 26239), (295, 26185), (307, 26134), (333, 26053), (335, 26041), (351, 25987), (354, 25978), (373, 25903), (375, 25897), (405, 25774), (414, 25735), (458, 25585),

Gene: SteMason_32 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for SteMason_32:

(Start: 76 @26679 has 1 MA's), (82, 26673), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Stephig9_30 Start: 24993, Stop: 23491, Start Num: 105

Candidate Starts for Stephig9_30:

(66, 25062), (Start: 76 @25035 has 1 MA's), (82, 25029), (Start: 105 @24993 has 108 MA's), (Start: 136 @24843 has 1 MA's), (157, 24738), (173, 24672), (176, 24654), (184, 24612), (185, 24609), (202, 24522), (228, 24396), (250, 24303), (263, 24255), (273, 24213), (284, 24153), (307, 24051), (369, 23844), (395, 23739), (405, 23703), (414, 23664), (432, 23580), (452, 23532),

Gene: Stink_34 Start: 27306, Stop: 25744, Start Num: 65

Candidate Starts for Stink_34:

(Start: 65 @27306 has 10 MA's), (Start: 102 @27249 has 1 MA's), (Start: 108 @27240 has 217 MA's), (Start: 114 @27222 has 3 MA's), (125, 27165), (134, 27117), (Start: 136 @27105 has 1 MA's), (161, 26979), (168, 26958), (169, 26955), (175, 26928), (186, 26889), (212, 26760), (225, 26700), (272, 26508), (310, 26346), (367, 26151), (373, 26124), (384, 26070), (386, 26061), (436, 25851), (442, 25833), (454, 25821), (457, 25812), (466, 25794),

Gene: StrongArm_36 Start: 30501, Stop: 32003, Start Num: 108

Candidate Starts for StrongArm_36:

(Start: 54 @30420 has 29 MA's), (Start: 57 @30426 has 3 MA's), (Start: 60 @30432 has 9 MA's), (Start: 61 @30435 has 10 MA's), (Start: 64 @30450 has 1 MA's), (Start: 108 @30501 has 217 MA's), (153, 30726), (187, 30864), (190, 30876), (192, 30885), (193, 30894), (215, 31002), (220, 31023), (222, 31035), (228, 31059), (237, 31101), (267, 31215), (269, 31230), (283, 31290), (296, 31347), (304, 31374), (310, 31401), (311, 31404), (314, 31416), (355, 31524), (363, 31557), (382, 31638), (385, 31653), (435, 31872), (476, 31971), (483, 31995),

Gene: Stuu_43 Start: 31520, Stop: 32959, Start Num: 107

Candidate Starts for Stuu_43:

(Start: 107 @31520 has 20 MA's), (Start: 130 @31631 has 1 MA's), (132, 31640), (147, 31703), (151, 31727), (154, 31736), (187, 31886), (189, 31895), (220, 32057), (226, 32084), (284, 32318), (286,

32333), (322, 32441), (398, 32711), (438, 32888), (445, 32903), (446, 32906),

Gene: Subaru_49 Start: 35958, Stop: 37379, Start Num: 104

Candidate Starts for Subaru_49:

(91, 35940), (101, 35955), (Start: 104 @35958 has 34 MA's), (Start: 108 @35967 has 217 MA's), (131, 36081), (Start: 136 @36105 has 1 MA's), (153, 36189), (159, 36222), (163, 36237), (183, 36300), (187, 36312), (189, 36321), (208, 36420), (216, 36462), (228, 36513), (237, 36552), (267, 36630), (272, 36657), (367, 37017), (368, 37026), (370, 37035), (374, 37047), (422, 37218), (437, 37305),

Gene: Sujidade_50 Start: 35406, Stop: 36983, Start Num: 55

Candidate Starts for Sujidade_50:

(Start: 34 @35340 has 7 MA's), (Start: 55 @35406 has 24 MA's), (Start: 114 @35526 has 3 MA's), (132, 35625), (Start: 136 @35643 has 1 MA's), (147, 35694), (163, 35775), (164, 35778), (185, 35850), (186, 35859), (187, 35862), (217, 36015), (230, 36072), (231, 36075), (233, 36084), (294, 36312), (310, 36378), (323, 36408), (358, 36507), (363, 36531), (366, 36540), (371, 36564), (387, 36636), (431, 36825), (440, 36864), (450, 36888), (455, 36903), (461, 36918),

Gene: Sultana_33 Start: 26638, Stop: 25124, Start Num: 105

Candidate Starts for Sultana_33:

(Start: 76 @26680 has 1 MA's), (Start: 96 @26647 has 15 MA's), (Start: 105 @26638 has 108 MA's), (137, 26476), (151, 26410), (156, 26392), (173, 26317), (177, 26293), (184, 26254), (185, 26251), (202, 26164), (225, 26050), (228, 26038), (273, 25855), (295, 25744), (307, 25693), (351, 25564), (354, 25555), (373, 25480), (375, 25474), (405, 25351), (414, 25312), (458, 25162), (465, 25147),

Gene: Sumter_36 Start: 29449, Stop: 30951, Start Num: 108

Candidate Starts for Sumter_36:

(Start: 54 @29368 has 29 MA's), (Start: 57 @29374 has 3 MA's), (Start: 60 @29380 has 9 MA's), (Start: 61 @29383 has 10 MA's), (Start: 64 @29398 has 1 MA's), (Start: 108 @29449 has 217 MA's), (151, 29668), (153, 29674), (190, 29824), (192, 29833), (193, 29842), (215, 29950), (220, 29971), (222, 29983), (228, 30007), (237, 30049), (269, 30178), (283, 30238), (296, 30295), (304, 30322), (310, 30349), (311, 30352), (314, 30364), (355, 30472), (363, 30505), (382, 30586), (385, 30601), (412, 30706), (435, 30820), (476, 30919), (483, 30943),

Gene: Sunshine924_39 Start: 29417, Stop: 30931, Start Num: 108

Candidate Starts for Sunshine924_39:

(Start: 71 @29372 has 3 MA's), (Start: 108 @29417 has 217 MA's), (Start: 113 @29432 has 10 MA's), (115, 29441), (132, 29534), (151, 29636), (153, 29642), (157, 29663), (164, 29693), (187, 29780), (190, 29792), (192, 29801), (193, 29810), (215, 29918), (220, 29939), (222, 29951), (228, 29975), (237, 30017), (269, 30146), (283, 30206), (296, 30263), (310, 30317), (311, 30320), (314, 30332), (353, 30434), (355, 30440), (363, 30473), (375, 30518), (382, 30554), (385, 30569), (435, 30788),

Gene: Swann_29 Start: 23636, Stop: 22140, Start Num: 93

Candidate Starts for Swann_29:

(Start: 93 @23636 has 32 MA's), (Start: 108 @23615 has 217 MA's), (Start: 110 @23609 has 3 MA's), (Start: 136 @23480 has 1 MA's), (145, 23432), (192, 23240), (213, 23129), (226, 23069), (229, 23057), (243, 22994), (251, 22964), (259, 22931), (266, 22910), (272, 22880), (277, 22865), (279, 22859), (286, 22811), (294, 22778), (307, 22721), (323, 22682), (325, 22676), (358, 22580), (366, 22547), (370, 22526), (373, 22517), (414, 22355),

Gene: Swirley_30 Start: 25753, Stop: 24260, Start Num: 108

Candidate Starts for Swirley_30:

(Start: 108 @25753 has 217 MA's), (Start: 117 @25720 has 1 MA's), (Start: 118 @25717 has 3 MA's), (Start: 120 @25699 has 4 MA's), (Start: 136 @25618 has 1 MA's), (167, 25474), (173, 25447), (187,

25399), (220, 25234), (225, 25210), (226, 25207), (230, 25186), (279, 24997), (310, 24856), (323, 24826), (369, 24649), (373, 24637), (393, 24553), (396, 24538), (403, 24523), (442, 24346), (462, 24316), (477, 24283),

Gene: SwissCheese_39 Start: 30120, Stop: 31622, Start Num: 108

Candidate Starts for SwissCheese_39:

(Start: 54 @30039 has 29 MA's), (Start: 57 @30045 has 3 MA's), (Start: 60 @30051 has 9 MA's), (Start: 61 @30054 has 10 MA's), (Start: 64 @30069 has 1 MA's), (Start: 108 @30120 has 217 MA's), (Start: 113 @30135 has 10 MA's), (115, 30144), (151, 30339), (153, 30345), (156, 30357), (157, 30366), (190, 30495), (192, 30504), (193, 30513), (215, 30621), (220, 30642), (222, 30654), (228, 30678), (269, 30849), (283, 30909), (296, 30966), (310, 31020), (311, 31023), (314, 31035), (355, 31143), (363, 31176), (373, 31215), (382, 31257), (385, 31272), (435, 31491), (476, 31590), (483, 31614),

Gene: Switzer_38 Start: 29527, Stop: 31029, Start Num: 108

Candidate Starts for Switzer_38:

(Start: 54 @29446 has 29 MA's), (Start: 57 @29452 has 3 MA's), (Start: 60 @29458 has 9 MA's), (Start: 61 @29461 has 10 MA's), (Start: 64 @29476 has 1 MA's), (Start: 108 @29527 has 217 MA's), (153, 29752), (190, 29902), (192, 29911), (193, 29920), (215, 30028), (220, 30049), (222, 30061), (228, 30085), (237, 30127), (269, 30256), (283, 30316), (296, 30373), (304, 30400), (310, 30427), (314, 30442), (355, 30550), (363, 30583), (382, 30664), (385, 30679), (412, 30784), (435, 30898), (476, 30997), (483, 31021),

Gene: Swole_39 Start: 29499, Stop: 31001, Start Num: 108

Candidate Starts for Swole_39:

(Start: 54 @29418 has 29 MA's), (Start: 57 @29424 has 3 MA's), (Start: 60 @29430 has 9 MA's), (Start: 61 @29433 has 10 MA's), (Start: 64 @29448 has 1 MA's), (Start: 108 @29499 has 217 MA's), (Start: 113 @29514 has 10 MA's), (151, 29718), (153, 29724), (157, 29745), (165, 29778), (190, 29874), (192, 29883), (193, 29892), (213, 29994), (215, 30000), (220, 30021), (222, 30033), (228, 30057), (237, 30099), (269, 30228), (283, 30288), (296, 30345), (304, 30372), (310, 30399), (311, 30402), (314, 30414), (353, 30516), (355, 30522), (363, 30555), (365, 30558), (382, 30636), (385, 30651), (389, 30666), (412, 30756), (435, 30870), (476, 30969), (483, 30993),

Gene: SydNat_30 Start: 26035, Stop: 24545, Start Num: 108

Candidate Starts for SydNat_30:

(Start: 108 @26035 has 217 MA's), (Start: 117 @26002 has 1 MA's), (Start: 118 @25999 has 3 MA's), (Start: 120 @25981 has 4 MA's), (Start: 136 @25900 has 1 MA's), (160, 25780), (167, 25756), (173, 25729), (187, 25681), (220, 25519), (225, 25495), (226, 25492), (230, 25471), (244, 25414), (279, 25282), (310, 25141), (323, 25111), (359, 24976), (369, 24934), (373, 24922), (393, 24838), (396, 24823), (403, 24808), (442, 24631), (462, 24601),

Gene: TWAMP_29 Start: 23636, Stop: 22140, Start Num: 93

Candidate Starts for TWAMP_29:

(Start: 93 @23636 has 32 MA's), (Start: 108 @23615 has 217 MA's), (Start: 110 @23609 has 3 MA's), (Start: 136 @23480 has 1 MA's), (145, 23432), (192, 23240), (213, 23129), (226, 23069), (229, 23057), (243, 22994), (251, 22964), (259, 22931), (266, 22910), (272, 22880), (277, 22865), (279, 22859), (286, 22811), (294, 22778), (307, 22721), (323, 22682), (325, 22676), (358, 22580), (366, 22547), (370, 22526), (373, 22517), (414, 22355),

Gene: TagePhighter_52 Start: 36182, Stop: 37795, Start Num: 55

Candidate Starts for TagePhighter_52:

(Start: 34 @36116 has 7 MA's), (Start: 53 @36173 has 5 MA's), (Start: 55 @36182 has 24 MA's), (Start: 114 @36329 has 3 MA's), (132, 36428), (Start: 136 @36446 has 1 MA's), (147, 36497), (163,

36578), (164, 36581), (185, 36653), (186, 36662), (187, 36665), (211, 36791), (217, 36818), (233, 36887), (244, 36932), (262, 37001), (271, 37028), (284, 37076), (294, 37124), (305, 37163), (310, 37190), (323, 37220), (363, 37343), (377, 37403), (387, 37448), (421, 37577), (429, 37628), (431, 37637), (440, 37676), (450, 37700), (455, 37715), (461, 37730), (469, 37745),

Gene: Tailonex_27 Start: 24965, Stop: 23526, Start Num: 108

Candidate Starts for Tailonex_27:

(Start: 108 @24965 has 217 MA's), (131, 24854), (149, 24767), (186, 24614), (269, 24260), (288, 24170), (307, 24098), (323, 24059), (332, 24038), (337, 24026), (339, 24023), (359, 23951), (360, 23948), (370, 23906), (423, 23711), (426, 23684), (433, 23645), (467, 23570), (480, 23534),

Gene: Takoda_29 Start: 23587, Stop: 22100, Start Num: 108

Candidate Starts for Takoda_29:

(Start: 93 @23608 has 32 MA's), (Start: 108 @23587 has 217 MA's), (Start: 110 @23581 has 3 MA's), (Start: 136 @23452 has 1 MA's), (145, 23404), (164, 23317), (192, 23212), (213, 23101), (226, 23041), (229, 23029), (251, 22936), (259, 22903), (266, 22882), (272, 22852), (277, 22837), (279, 22831), (286, 22783), (294, 22750), (307, 22693), (323, 22654), (325, 22648), (370, 22498), (407, 22357), (414, 22327), (441, 22201), (472, 22135),

Gene: Tallboi_49 Start: 36309, Stop: 37727, Start Num: 104

Candidate Starts for Tallboi_49:

(91, 36291), (101, 36306), (Start: 104 @36309 has 34 MA's), (Start: 108 @36318 has 217 MA's), (131, 36432), (153, 36540), (159, 36573), (163, 36588), (183, 36651), (187, 36663), (189, 36672), (206, 36750), (208, 36771), (216, 36813), (226, 36855), (228, 36864), (237, 36903), (267, 36981), (287, 37083), (367, 37365), (370, 37383), (374, 37395), (422, 37566),

Gene: Taquarus_33 Start: 26640, Stop: 25126, Start Num: 105

Candidate Starts for Taquarus_33:

(Start: 76 @26682 has 1 MA's), (Start: 96 @26649 has 15 MA's), (Start: 105 @26640 has 108 MA's), (137, 26478), (151, 26412), (156, 26394), (173, 26319), (177, 26295), (184, 26256), (185, 26253), (202, 26166), (225, 26052), (228, 26040), (273, 25857), (295, 25746), (307, 25695), (351, 25566), (354, 25557), (373, 25482), (375, 25476), (405, 25353), (414, 25314), (458, 25164), (465, 25149),

Gene: Tarynearal_29 Start: 25775, Stop: 24282, Start Num: 108

Candidate Starts for Tarynearal_29:

(Start: 108 @25775 has 217 MA's), (Start: 117 @25742 has 1 MA's), (Start: 118 @25739 has 3 MA's), (Start: 120 @25721 has 4 MA's), (Start: 136 @25640 has 1 MA's), (167, 25496), (173, 25469), (187, 25421), (220, 25256), (225, 25232), (226, 25229), (230, 25208), (279, 25019), (310, 24878), (323, 24848), (369, 24671), (373, 24659), (393, 24575), (396, 24560), (403, 24545), (442, 24368), (462, 24338), (477, 24305),

Gene: Tasp14_38 Start: 29595, Stop: 31166, Start Num: 60

Candidate Starts for Tasp14_38:

(Start: 54 @29583 has 29 MA's), (Start: 57 @29589 has 3 MA's), (Start: 60 @29595 has 9 MA's), (Start: 61 @29598 has 10 MA's), (Start: 64 @29613 has 1 MA's), (Start: 108 @29664 has 217 MA's), (Start: 113 @29679 has 10 MA's), (115, 29688), (153, 29889), (190, 30039), (192, 30048), (193, 30057), (211, 30153), (215, 30165), (220, 30186), (222, 30198), (228, 30222), (237, 30264), (269, 30393), (283, 30453), (296, 30510), (310, 30564), (314, 30579), (355, 30687), (363, 30720), (382, 30801), (385, 30816), (412, 30921), (435, 31035), (476, 31134), (483, 31158),

Gene: Tbone_50 Start: 35812, Stop: 37287, Start Num: 104

Candidate Starts for Tbone_50:

(Start: 97 @35803 has 3 MA's), (Start: 104 @35812 has 34 MA's), (134, 35941), (180, 36133), (198, 36238), (209, 36298), (243, 36457), (272, 36586), (284, 36637), (328, 36778), (390, 37015),

Gene: Teodoridan_35 Start: 28860, Stop: 30437, Start Num: 61

Candidate Starts for Teodoridan_35:

(Start: 54 @28845 has 29 MA's), (Start: 57 @28851 has 3 MA's), (Start: 60 @28857 has 9 MA's), (Start: 61 @28860 has 10 MA's), (Start: 64 @28875 has 1 MA's), (Start: 108 @28926 has 217 MA's), (151, 29145), (153, 29151), (157, 29172), (190, 29301), (192, 29310), (193, 29319), (215, 29427), (220, 29448), (222, 29460), (228, 29484), (237, 29526), (269, 29655), (283, 29715), (296, 29772), (310, 29826), (314, 29841), (353, 29940), (382, 30060), (385, 30075), (412, 30180), (435, 30294),

Gene: Texage_33 Start: 27224, Stop: 25722, Start Num: 110

Candidate Starts for Texage_33:

(Start: 100 @27245 has 2 MA's), (Start: 108 @27230 has 217 MA's), (Start: 110 @27224 has 3 MA's), (Start: 111 @27221 has 2 MA's), (143, 27053), (145, 27047), (172, 26930), (189, 26870), (211, 26753), (220, 26714), (226, 26687), (229, 26675), (255, 26540), (291, 26387), (313, 26297), (331, 26258), (359, 26168), (369, 26126), (373, 26114), (383, 26069), (387, 26048), (438, 25835), (449, 25814),

Gene: TforTroy_50 Start: 35647, Stop: 37065, Start Num: 104

Candidate Starts for TforTroy_50:

(91, 35629), (101, 35644), (Start: 104 @35647 has 34 MA's), (Start: 108 @35656 has 217 MA's), (Start: 136 @35794 has 1 MA's), (153, 35878), (183, 35989), (187, 36001), (189, 36010), (206, 36088), (208, 36109), (216, 36151), (228, 36202), (237, 36241), (351, 36646), (367, 36703), (370, 36721), (374, 36733), (423, 36907),

Gene: Thanksgivukkah_33 Start: 26638, Stop: 25124, Start Num: 105

Candidate Starts for Thanksgivukkah_33:

(Start: 76 @26680 has 1 MA's), (Start: 96 @26647 has 15 MA's), (Start: 105 @26638 has 108 MA's), (137, 26476), (151, 26410), (156, 26392), (173, 26317), (177, 26293), (184, 26254), (185, 26251), (202, 26164), (225, 26050), (228, 26038), (273, 25855), (295, 25744), (307, 25693), (351, 25564), (354, 25555), (373, 25480), (375, 25474), (405, 25351), (414, 25312), (458, 25162), (465, 25147),

Gene: Theia_28 Start: 25799, Stop: 24306, Start Num: 108

Candidate Starts for Theia_28:

(Start: 108 @25799 has 217 MA's), (Start: 117 @25766 has 1 MA's), (Start: 118 @25763 has 3 MA's), (Start: 120 @25745 has 4 MA's), (Start: 136 @25664 has 1 MA's), (167, 25520), (173, 25493), (187, 25445), (220, 25280), (225, 25256), (226, 25253), (230, 25232), (279, 25043), (310, 24902), (323, 24872), (369, 24695), (373, 24683), (393, 24599), (396, 24584), (403, 24569), (442, 24392), (462, 24362), (477, 24329),

Gene: TheloniousMonk_39 Start: 31068, Stop: 32570, Start Num: 108

Candidate Starts for TheloniousMonk_39:

(Start: 54 @30987 has 29 MA's), (Start: 57 @30993 has 3 MA's), (Start: 60 @30999 has 9 MA's), (Start: 61 @31002 has 10 MA's), (Start: 64 @31017 has 1 MA's), (Start: 108 @31068 has 217 MA's), (Start: 113 @31083 has 10 MA's), (153, 31293), (190, 31443), (192, 31452), (193, 31461), (215, 31569), (220, 31590), (222, 31602), (228, 31626), (237, 31668), (269, 31797), (283, 31857), (296, 31914), (304, 31941), (310, 31968), (314, 31983), (343, 32052), (355, 32091), (363, 32124), (382, 32205), (385, 32220), (435, 32439), (476, 32538), (483, 32562),

Gene: Thor_37 Start: 28976, Stop: 30568, Start Num: 54

Candidate Starts for Thor_37:

(Start: 54 @28976 has 29 MA's), (Start: 57 @28982 has 3 MA's), (Start: 60 @28988 has 9 MA's), (Start: 61 @28991 has 10 MA's), (Start: 64 @29006 has 1 MA's), (Start: 108 @29057 has 217 MA's),

(151, 29276), (153, 29282), (156, 29294), (157, 29303), (190, 29432), (192, 29441), (193, 29450), (215, 29558), (220, 29579), (222, 29591), (228, 29615), (237, 29657), (269, 29786), (283, 29846), (296, 29903), (304, 29930), (310, 29957), (311, 29960), (314, 29972), (353, 30071), (363, 30110), (382, 30191), (385, 30206), (435, 30425),

Gene: Tian_50 Start: 37772, Stop: 39232, Start Num: 107

Candidate Starts for Tian_50:

(Start: 98 @37763 has 1 MA's), (Start: 107 @37772 has 20 MA's), (147, 37958), (154, 37991), (186, 38129), (189, 38141), (208, 38240), (218, 38291), (241, 38384), (326, 38717), (390, 38960), (463, 39218),

Gene: Tiger_30 Start: 25677, Stop: 24184, Start Num: 108

Candidate Starts for Tiger_30:

(Start: 108 @25677 has 217 MA's), (Start: 117 @25644 has 1 MA's), (Start: 118 @25641 has 3 MA's), (Start: 120 @25623 has 4 MA's), (Start: 136 @25542 has 1 MA's), (167, 25398), (173, 25371), (187, 25323), (220, 25158), (225, 25134), (226, 25131), (230, 25110), (279, 24921), (323, 24750), (359, 24615), (369, 24573), (373, 24561), (393, 24477), (396, 24462), (403, 24447), (442, 24270), (462, 24240), (477, 24207),

Gene: Timshel_34 Start: 29292, Stop: 27832, Start Num: 108

Candidate Starts for Timshel_34:

(8, 29691), (19, 29562), (41, 29445), (79, 29340), (88, 29325), (Start: 108 @29292 has 217 MA's), (Start: 110 @29286 has 3 MA's), (Start: 114 @29274 has 3 MA's), (115, 29268), (135, 29163), (Start: 136 @29157 has 1 MA's), (141, 29121), (165, 29019), (173, 28986), (185, 28950), (192, 28917), (229, 28737), (267, 28587), (278, 28542), (310, 28398), (330, 28350), (359, 28269), (362, 28257), (365, 28251), (373, 28215), (384, 28161), (393, 28131), (480, 27843),

Gene: TinyPebbles_36 Start: 27311, Stop: 25743, Start Num: 105

Candidate Starts for TinyPebbles_36:

(42, 27461), (49, 27446), (82, 27347), (Start: 105 @27311 has 108 MA's), (157, 27056), (162, 27032), (176, 26972), (184, 26924), (185, 26921), (202, 26834), (206, 26822), (208, 26801), (213, 26777), (228, 26708), (244, 26639), (245, 26630), (273, 26525), (279, 26480), (307, 26348), (338, 26264), (353, 26207), (405, 26000), (434, 25859),

Gene: Tinybot_32 Start: 26607, Stop: 25129, Start Num: 114

Candidate Starts for Tinybot_32:

(47, 26739), (Start: 65 @26691 has 10 MA's), (Start: 102 @26634 has 1 MA's), (Start: 108 @26625 has 217 MA's), (Start: 114 @26607 has 3 MA's), (125, 26550), (127, 26532), (134, 26502), (Start: 136 @26490 has 1 MA's), (161, 26364), (168, 26343), (175, 26313), (186, 26274), (212, 26145), (225, 26085), (238, 26031), (272, 25893), (282, 25848), (336, 25662), (367, 25536), (373, 25509), (384, 25455), (386, 25446), (436, 25236), (442, 25218), (454, 25206), (457, 25197),

Gene: TiroTheta9_33 Start: 26634, Stop: 25120, Start Num: 105

Candidate Starts for TiroTheta9_33:

(Start: 76 @26676 has 1 MA's), (Start: 96 @26643 has 15 MA's), (Start: 105 @26634 has 108 MA's), (137, 26472), (151, 26406), (156, 26388), (173, 26313), (177, 26289), (184, 26250), (185, 26247), (202, 26160), (225, 26046), (228, 26034), (273, 25851), (295, 25740), (307, 25689), (351, 25560), (354, 25551), (373, 25476), (375, 25470), (405, 25347), (414, 25308), (458, 25158), (465, 25143),

Gene: Todacoro_34 Start: 27223, Stop: 25721, Start Num: 110

Candidate Starts for Todacoro_34:

(Start: 100 @27244 has 2 MA's), (Start: 108 @27229 has 217 MA's), (Start: 110 @27223 has 3 MA's), (Start: 111 @27220 has 2 MA's), (143, 27052), (145, 27046), (172, 26929), (189, 26869), (211, 26752),

(220, 26713), (226, 26686), (229, 26674), (255, 26539), (291, 26386), (313, 26296), (331, 26257), (359, 26167), (369, 26125), (373, 26113), (383, 26068), (387, 26047), (438, 25834), (449, 25813),

Gene: Toma_50 Start: 35070, Stop: 36713, Start Num: 34

Candidate Starts for Toma_50:

(Start: 34 @35070 has 7 MA's), (Start: 55 @35136 has 24 MA's), (Start: 114 @35256 has 3 MA's), (132, 35355), (Start: 136 @35373 has 1 MA's), (147, 35424), (163, 35505), (164, 35508), (185, 35580), (186, 35589), (187, 35592), (230, 35802), (231, 35805), (233, 35814), (294, 36042), (310, 36108), (323, 36138), (358, 36237), (363, 36261), (366, 36270), (371, 36294), (387, 36366), (431, 36555), (437, 36585), (440, 36594), (450, 36618), (455, 36633), (461, 36648),

Gene: Topanga_34 Start: 26894, Stop: 25461, Start Num: 99

Candidate Starts for Topanga_34:

(Start: 99 @26894 has 3 MA's), (127, 26792), (Start: 136 @26750 has 1 MA's), (164, 26615), (168, 26603), (169, 26600), (187, 26531), (192, 26510), (208, 26423), (209, 26420), (214, 26399), (229, 26330), (282, 26144), (358, 25901), (359, 25892), (373, 25838), (396, 25739), (440, 25553),

Gene: Topgun_36 Start: 28914, Stop: 30413, Start Num: 108

Candidate Starts for Topgun_36:

(39, 28800), (48, 28818), (Start: 54 @28833 has 29 MA's), (Start: 57 @28839 has 3 MA's), (Start: 60 @28845 has 9 MA's), (Start: 61 @28848 has 10 MA's), (Start: 64 @28863 has 1 MA's), (Start: 108 @28914 has 217 MA's), (Start: 111 @28923 has 2 MA's), (Start: 113 @28929 has 10 MA's), (115, 28938), (151, 29133), (153, 29139), (157, 29160), (190, 29289), (192, 29298), (193, 29307), (215, 29415), (220, 29436), (222, 29448), (228, 29472), (237, 29514), (269, 29643), (283, 29703), (296, 29760), (304, 29787), (310, 29814), (311, 29817), (314, 29829), (353, 29928), (363, 29967), (365, 29970), (382, 30048), (385, 30063), (435, 30282), (476, 30381), (483, 30405),

Gene: Toro_35 Start: 28870, Stop: 27362, Start Num: 108

Candidate Starts for Toro_35:

(Start: 100 @28885 has 2 MA's), (Start: 108 @28870 has 217 MA's), (137, 28723), (172, 28570), (189, 28510), (211, 28393), (220, 28354), (225, 28330), (226, 28327), (229, 28315), (255, 28180), (282, 28069), (286, 28048), (291, 28027), (313, 27937), (330, 27901), (331, 27898), (353, 27832), (359, 27808), (367, 27781), (369, 27766), (373, 27754), (380, 27721), (387, 27688), (433, 27496), (438, 27475), (449, 27454), (472, 27400),

Gene: Traft412_39 Start: 30521, Stop: 32023, Start Num: 108

Candidate Starts for Traft412_39:

(Start: 54 @30440 has 29 MA's), (Start: 57 @30446 has 3 MA's), (Start: 60 @30452 has 9 MA's), (Start: 61 @30455 has 10 MA's), (Start: 64 @30470 has 1 MA's), (Start: 108 @30521 has 217 MA's), (Start: 113 @30536 has 10 MA's), (115, 30545), (153, 30746), (157, 30767), (190, 30896), (192, 30905), (193, 30914), (215, 31022), (220, 31043), (222, 31055), (228, 31079), (269, 31250), (283, 31310), (296, 31367), (310, 31421), (311, 31424), (314, 31436), (343, 31505), (355, 31544), (363, 31577), (382, 31658), (385, 31673), (412, 31778), (435, 31892), (476, 31991), (483, 32015),

Gene: Treddle_39 Start: 30758, Stop: 32260, Start Num: 108

Candidate Starts for Treddle_39:

(Start: 54 @30677 has 29 MA's), (Start: 57 @30683 has 3 MA's), (Start: 60 @30689 has 9 MA's), (Start: 61 @30692 has 10 MA's), (Start: 64 @30707 has 1 MA's), (Start: 108 @30758 has 217 MA's), (Start: 113 @30773 has 10 MA's), (151, 30977), (153, 30983), (157, 31004), (190, 31133), (192, 31142), (193, 31151), (215, 31259), (220, 31280), (222, 31292), (228, 31316), (237, 31358), (269, 31487), (283, 31547), (296, 31604), (304, 31631), (310, 31658), (314, 31673), (343, 31742), (355, 31781), (363, 31814), (382, 31895), (385, 31910), (412, 32015), (435, 32129), (438, 32141), (476, 32228), (483, 32252),

Gene: Trike_31 Start: 25248, Stop: 23752, Start Num: 108

Candidate Starts for Trike_31:

(47, 25362), (Start: 65 @25314 has 10 MA's), (Start: 99 @25260 has 3 MA's), (Start: 108 @25248 has 217 MA's), (125, 25173), (Start: 136 @25113 has 1 MA's), (161, 24987), (168, 24966), (175, 24936), (186, 24897), (219, 24735), (225, 24708), (238, 24654), (272, 24516), (323, 24324), (367, 24159), (373, 24132), (375, 24126), (433, 23874), (438, 23853), (440, 23847), (442, 23841), (454, 23829), (457, 23820), (462, 23808),

Gene: Tripl3t_38 Start: 30269, Stop: 31771, Start Num: 108

Candidate Starts for Tripl3t_38:

(Start: 54 @30188 has 29 MA's), (Start: 57 @30194 has 3 MA's), (Start: 60 @30200 has 9 MA's), (Start: 61 @30203 has 10 MA's), (Start: 64 @30218 has 1 MA's), (Start: 108 @30269 has 217 MA's), (112, 30281), (153, 30494), (156, 30506), (157, 30515), (165, 30548), (190, 30644), (192, 30653), (193, 30662), (215, 30770), (220, 30791), (222, 30803), (228, 30827), (237, 30869), (269, 30998), (283, 31058), (296, 31115), (304, 31142), (310, 31169), (314, 31184), (355, 31292), (363, 31325), (382, 31406), (385, 31421), (412, 31526), (435, 31640), (476, 31739), (483, 31763),

Gene: Triste_51 Start: 36115, Stop: 37794, Start Num: 34

Candidate Starts for Triste_51:

(Start: 34 @36115 has 7 MA's), (Start: 53 @36172 has 5 MA's), (Start: 55 @36181 has 24 MA's), (Start: 114 @36328 has 3 MA's), (132, 36427), (Start: 136 @36445 has 1 MA's), (147, 36496), (163, 36577), (164, 36580), (185, 36652), (186, 36661), (187, 36664), (211, 36790), (217, 36817), (233, 36886), (244, 36931), (262, 37000), (271, 37027), (284, 37075), (294, 37123), (305, 37162), (310, 37189), (323, 37219), (363, 37342), (377, 37402), (387, 37447), (421, 37576), (429, 37627), (431, 37636), (440, 37675), (450, 37699), (455, 37714), (461, 37729), (469, 37744),

Gene: Trouble_38 Start: 30371, Stop: 31873, Start Num: 108

Candidate Starts for Trouble_38:

(Start: 54 @30290 has 29 MA's), (Start: 57 @30296 has 3 MA's), (Start: 60 @30302 has 9 MA's), (Start: 61 @30305 has 10 MA's), (Start: 64 @30320 has 1 MA's), (Start: 108 @30371 has 217 MA's), (151, 30590), (153, 30596), (157, 30617), (187, 30734), (190, 30746), (192, 30755), (193, 30764), (215, 30872), (220, 30893), (222, 30905), (269, 31100), (283, 31160), (296, 31217), (304, 31244), (310, 31271), (311, 31274), (314, 31286), (355, 31394), (363, 31427), (382, 31508), (385, 31523), (412, 31628), (435, 31742), (476, 31841), (483, 31865),

Gene: TuanPN_49 Start: 36125, Stop: 37747, Start Num: 53

Candidate Starts for TuanPN_49:

(Start: 34 @36068 has 7 MA's), (Start: 53 @36125 has 5 MA's), (Start: 55 @36134 has 24 MA's), (Start: 114 @36281 has 3 MA's), (132, 36380), (Start: 136 @36398 has 1 MA's), (147, 36449), (163, 36530), (164, 36533), (185, 36605), (186, 36614), (187, 36617), (211, 36743), (217, 36770), (233, 36839), (244, 36884), (262, 36953), (271, 36980), (284, 37028), (294, 37076), (305, 37115), (323, 37172), (363, 37295), (377, 37355), (387, 37400), (421, 37529), (429, 37580), (431, 37589), (440, 37628), (450, 37652), (455, 37667), (461, 37682), (469, 37697),

Gene: Tuck_53 Start: 37345, Stop: 38829, Start Num: 97

Candidate Starts for Tuck_53:

(Start: 97 @37345 has 3 MA's), (Start: 104 @37354 has 34 MA's), (180, 37675), (232, 37954), (272, 38128), (328, 38320), (390, 38557), (430, 38719),

Gene: Turab_47 Start: 34417, Stop: 35835, Start Num: 104

Candidate Starts for Turab_47:

(91, 34399), (101, 34414), (Start: 104 @34417 has 34 MA's), (Start: 108 @34426 has 217 MA's), (131, 34540), (153, 34648), (159, 34681), (163, 34696), (183, 34759), (187, 34771), (189, 34780), (208, 34879), (216, 34921), (228, 34972), (237, 35011), (272, 35116), (367, 35473), (370, 35491), (374, 35503), (422, 35674),

Gene: Turj99_36 Start: 29282, Stop: 30865, Start Num: 54

Candidate Starts for Turj99_36:

(Start: 54 @29282 has 29 MA's), (Start: 57 @29288 has 3 MA's), (Start: 60 @29294 has 9 MA's), (Start: 61 @29297 has 10 MA's), (Start: 64 @29312 has 1 MA's), (Start: 108 @29363 has 217 MA's), (151, 29582), (153, 29588), (157, 29609), (190, 29738), (192, 29747), (193, 29756), (215, 29864), (220, 29885), (222, 29897), (228, 29921), (237, 29963), (269, 30092), (283, 30152), (296, 30209), (310, 30263), (311, 30266), (314, 30278), (355, 30386), (363, 30419), (365, 30422), (382, 30500), (385, 30515), (412, 30620), (416, 30635), (435, 30734), (476, 30833), (483, 30857),

Gene: Tutumahutu_51 Start: 35299, Stop: 36717, Start Num: 104

Candidate Starts for Tutumahutu_51:

(91, 35281), (101, 35296), (Start: 104 @35299 has 34 MA's), (Start: 108 @35308 has 217 MA's), (131, 35422), (Start: 136 @35446 has 1 MA's), (153, 35530), (183, 35641), (187, 35653), (189, 35662), (208, 35761), (228, 35854), (230, 35866), (237, 35893), (284, 36052), (370, 36373), (374, 36385), (382, 36418), (422, 36556),

Gene: Tweety19_52 Start: 34578, Stop: 36083, Start Num: 75

Candidate Starts for Tweety19_52:

(Start: 75 @34578 has 3 MA's), (Start: 96 @34617 has 15 MA's), (Start: 107 @34635 has 20 MA's), (147, 34821), (193, 35022), (209, 35103), (272, 35388), (309, 35517), (360, 35682), (403, 35844), (440, 36015), (443, 36021),

Gene: Twigg_30 Start: 25748, Stop: 24255, Start Num: 108

Candidate Starts for Twigg_30:

(Start: 108 @25748 has 217 MA's), (Start: 117 @25715 has 1 MA's), (Start: 118 @25712 has 3 MA's), (Start: 120 @25694 has 4 MA's), (Start: 136 @25613 has 1 MA's), (167, 25469), (173, 25442), (187, 25394), (220, 25229), (225, 25205), (226, 25202), (230, 25181), (279, 24992), (310, 24851), (323, 24821), (369, 24644), (373, 24632), (393, 24548), (396, 24533), (403, 24518), (442, 24341), (462, 24311), (477, 24278),

Gene: Twister_34 Start: 26802, Stop: 25369, Start Num: 99

Candidate Starts for Twister_34:

(Start: 99 @26802 has 3 MA's), (127, 26700), (Start: 136 @26658 has 1 MA's), (164, 26523), (168, 26511), (169, 26508), (187, 26439), (192, 26418), (208, 26331), (209, 26328), (214, 26307), (229, 26238), (282, 26052), (358, 25809), (359, 25800), (373, 25746), (396, 25647), (440, 25461),

Gene: TwoPeat_38 Start: 29780, Stop: 31363, Start Num: 54

Candidate Starts for TwoPeat_38:

(Start: 54 @29780 has 29 MA's), (Start: 57 @29786 has 3 MA's), (Start: 60 @29792 has 9 MA's), (Start: 61 @29795 has 10 MA's), (Start: 64 @29810 has 1 MA's), (Start: 108 @29861 has 217 MA's), (Start: 113 @29876 has 10 MA's), (Start: 130 @29969 has 1 MA's), (151, 30080), (153, 30086), (190, 30236), (192, 30245), (193, 30254), (215, 30362), (220, 30383), (222, 30395), (228, 30419), (237, 30461), (269, 30590), (283, 30650), (296, 30707), (304, 30734), (310, 30761), (314, 30776), (355, 30884), (363, 30917), (382, 30998), (385, 31013), (412, 31118), (435, 31232), (476, 31331), (483, 31355),

Gene: TygerBlood_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for TygerBlood_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: U2_37 Start: 29511, Stop: 31013, Start Num: 108

Candidate Starts for U2_37:

(Start: 50 @29421 has 1 MA's), (Start: 71 @29466 has 3 MA's), (Start: 108 @29511 has 217 MA's), (Start: 113 @29526 has 10 MA's), (115, 29535), (132, 29628), (151, 29730), (153, 29736), (157, 29757), (190, 29886), (192, 29895), (193, 29904), (194, 29910), (215, 30012), (220, 30033), (222, 30045), (228, 30069), (269, 30240), (283, 30300), (296, 30357), (310, 30411), (311, 30414), (314, 30426), (355, 30534), (363, 30567), (382, 30648), (385, 30663), (412, 30768), (435, 30882), (476, 30981), (483, 31005),

Gene: UhSalsa_29 Start: 23636, Stop: 22140, Start Num: 93

Candidate Starts for UhSalsa_29:

(Start: 93 @23636 has 32 MA's), (Start: 108 @23615 has 217 MA's), (Start: 110 @23609 has 3 MA's), (Start: 136 @23480 has 1 MA's), (145, 23432), (164, 23345), (192, 23240), (213, 23129), (219, 23099), (226, 23069), (229, 23057), (243, 22994), (251, 22964), (259, 22931), (266, 22910), (272, 22880), (277, 22865), (279, 22859), (286, 22811), (294, 22778), (307, 22721), (323, 22682), (325, 22676), (358, 22580), (366, 22547), (370, 22526), (373, 22517), (414, 22355),

Gene: Ulysses_32 Start: 26359, Stop: 24863, Start Num: 108

Candidate Starts for Ulysses_32:

(Start: 65 @26425 has 10 MA's), (Start: 108 @26359 has 217 MA's), (Start: 114 @26341 has 3 MA's), (125, 26284), (127, 26266), (134, 26236), (Start: 136 @26224 has 1 MA's), (161, 26098), (168, 26077), (175, 26047), (186, 26008), (212, 25879), (225, 25819), (238, 25765), (272, 25627), (336, 25396), (358, 25306), (367, 25270), (373, 25243), (384, 25189), (386, 25180), (436, 24970), (442, 24952), (454, 24940), (457, 24931),

Gene: UnionJack_31 Start: 25014, Stop: 23569, Start Num: 118

Candidate Starts for UnionJack_31:

(84, 25077), (Start: 108 @25050 has 217 MA's), (Start: 118 @25014 has 3 MA's), (Start: 136 @24915 has 1 MA's), (153, 24831), (161, 24789), (169, 24765), (175, 24738), (186, 24699), (192, 24675), (220, 24531), (270, 24324), (288, 24237), (302, 24192), (307, 24162), (314, 24138), (323, 24123), (358, 24012), (359, 24003), (373, 23949), (380, 23916), (396, 23850), (414, 23787), (442, 23658), (480, 23580),

Gene: VResidence_50 Start: 34666, Stop: 36156, Start Num: 94

Candidate Starts for VResidence_50:

(Start: 94 @34666 has 1 MA's), (134, 34810), (180, 35002), (192, 35071), (218, 35215), (272, 35455), (284, 35506), (328, 35647), (390, 35884), (418, 35974),

Gene: Vanseggelen_57 Start: 36594, Stop: 38177, Start Num: 55

Candidate Starts for Vanseggelen_57:

(33, 36522), (35, 36531), (36, 36537), (Start: 55 @36594 has 24 MA's), (129, 36804), (Start: 130 @36810 has 1 MA's), (131, 36813), (132, 36819), (Start: 136 @36837 has 1 MA's), (159, 36954), (164, 36972), (186, 37053), (187, 37056), (221, 37218), (244, 37320), (262, 37386), (279, 37428), (284, 37458), (310, 37572), (323, 37602), (358, 37701), (361, 37716), (363, 37725), (369, 37752), (370, 37755), (380, 37797), (387, 37830), (407, 37899), (423, 37965), (424, 37977), (431, 38019), (437, 38049), (440, 38058), (450, 38082), (455, 38097),

Gene: Vash_53 Start: 39034, Stop: 40593, Start Num: 116

Candidate Starts for Vash_53:

(Start: 74 @38938 has 3 MA's), (Start: 98 @38983 has 1 MA's), (Start: 105 @38992 has 108 MA's), (109, 39004), (Start: 116 @39034 has 3 MA's), (152, 39220), (153, 39223), (159, 39256), (161, 39265), (171, 39304), (179, 39340), (185, 39370), (187, 39382), (198, 39439), (199, 39442), (203, 39460), (205, 39469), (217, 39538), (231, 39598), (275, 39796), (277, 39808), (279, 39826), (282, 39853), (292, 39898), (308, 39970), (312, 39982), (323, 40006), (340, 40051), (353, 40105), (368, 40165), (387, 40249), (420, 40366), (422, 40372), (432, 40438), (433, 40441), (465, 40528),

Gene: Veracruz_33 Start: 27223, Stop: 25721, Start Num: 110

Candidate Starts for Veracruz_33:

(Start: 100 @27244 has 2 MA's), (Start: 108 @27229 has 217 MA's), (Start: 110 @27223 has 3 MA's), (Start: 111 @27220 has 2 MA's), (143, 27052), (145, 27046), (172, 26929), (189, 26869), (211, 26752), (220, 26713), (226, 26686), (229, 26674), (255, 26539), (291, 26386), (313, 26296), (331, 26257), (359, 26167), (369, 26125), (373, 26113), (383, 26068), (387, 26047), (438, 25834), (449, 25813),

Gene: Violet_36 Start: 29937, Stop: 31439, Start Num: 108

Candidate Starts for Violet_36:

(Start: 54 @29856 has 29 MA's), (Start: 57 @29862 has 3 MA's), (Start: 60 @29868 has 9 MA's), (Start: 61 @29871 has 10 MA's), (Start: 64 @29886 has 1 MA's), (Start: 108 @29937 has 217 MA's), (Start: 113 @29952 has 10 MA's), (151, 30156), (153, 30162), (157, 30183), (190, 30312), (192, 30321), (193, 30330), (194, 30336), (211, 30426), (215, 30438), (222, 30471), (230, 30507), (269, 30666), (283, 30726), (296, 30783), (304, 30810), (310, 30837), (314, 30852), (353, 30954), (355, 30960), (363, 30993), (365, 30996), (382, 31074), (385, 31089), (435, 31308), (476, 31407), (483, 31431),

Gene: WalterMcMickey_34 Start: 26802, Stop: 25369, Start Num: 99

Candidate Starts for WalterMcMickey_34:

(Start: 99 @26802 has 3 MA's), (127, 26700), (Start: 136 @26658 has 1 MA's), (164, 26523), (168, 26511), (169, 26508), (187, 26439), (192, 26418), (208, 26331), (209, 26328), (214, 26307), (229, 26238), (282, 26052), (358, 25809), (359, 25800), (373, 25746), (396, 25647), (440, 25461),

Gene: Wander_33 Start: 26637, Stop: 25123, Start Num: 105

Candidate Starts for Wander_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (225, 26049), (228, 26037), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Warda_50 Start: 35363, Stop: 36781, Start Num: 104

Candidate Starts for Warda_50:

(91, 35345), (101, 35360), (Start: 104 @35363 has 34 MA's), (Start: 108 @35372 has 217 MA's), (131, 35486), (153, 35594), (163, 35642), (183, 35705), (187, 35717), (189, 35726), (208, 35825), (228, 35918), (230, 35930), (243, 35984), (284, 36116), (358, 36383), (367, 36419), (370, 36437), (374, 36449), (382, 36482), (422, 36620),

Gene: Watermelon_39 Start: 30238, Stop: 31821, Start Num: 54

Candidate Starts for Watermelon_39:

(Start: 54 @30238 has 29 MA's), (Start: 57 @30244 has 3 MA's), (Start: 60 @30250 has 9 MA's), (Start: 61 @30253 has 10 MA's), (Start: 64 @30268 has 1 MA's), (Start: 108 @30319 has 217 MA's), (Start: 113 @30334 has 10 MA's), (151, 30538), (153, 30544), (190, 30694), (192, 30703), (193, 30712), (215, 30820), (220, 30841), (222, 30853), (228, 30877), (237, 30919), (269, 31048), (283, 31108), (296, 31165), (304, 31192), (310, 31219), (311, 31222), (314, 31234), (355, 31342), (363, 31375), (382, 31456), (385, 31471), (412, 31576), (435, 31690), (476, 31789), (483, 31813),

Gene: Werner_50 Start: 36179, Stop: 37792, Start Num: 55

Candidate Starts for Werner_50:

(Start: 34 @36113 has 7 MA's), (Start: 53 @36170 has 5 MA's), (Start: 55 @36179 has 24 MA's), (Start: 114 @36326 has 3 MA's), (132, 36425), (Start: 136 @36443 has 1 MA's), (147, 36494), (163, 36575), (164, 36578), (185, 36650), (186, 36659), (187, 36662), (211, 36788), (217, 36815), (233, 36884), (244, 36929), (262, 36998), (271, 37025), (284, 37073), (294, 37121), (305, 37160), (310, 37187), (323, 37217), (363, 37340), (377, 37400), (387, 37445), (421, 37574), (429, 37625), (431, 37634), (440, 37673), (450, 37697), (455, 37712), (461, 37727), (469, 37742),

Gene: Whatever_50 Start: 36205, Stop: 37818, Start Num: 55

Candidate Starts for Whatever_50:

(Start: 34 @36139 has 7 MA's), (Start: 53 @36196 has 5 MA's), (Start: 55 @36205 has 24 MA's), (Start: 114 @36352 has 3 MA's), (132, 36451), (Start: 136 @36469 has 1 MA's), (147, 36520), (163, 36601), (164, 36604), (185, 36676), (186, 36685), (187, 36688), (211, 36814), (217, 36841), (233, 36910), (244, 36955), (262, 37024), (271, 37051), (284, 37099), (294, 37147), (305, 37186), (310, 37213), (323, 37243), (363, 37366), (377, 37426), (387, 37471), (421, 37600), (429, 37651), (431, 37660), (440, 37699), (450, 37723), (455, 37738), (461, 37753), (469, 37768),

Gene: Wheeler_38 Start: 29849, Stop: 31351, Start Num: 108

Candidate Starts for Wheeler_38:

(Start: 71 @29804 has 3 MA's), (Start: 108 @29849 has 217 MA's), (Start: 113 @29864 has 10 MA's), (137, 29996), (151, 30068), (153, 30074), (156, 30086), (157, 30095), (190, 30224), (192, 30233), (193, 30242), (215, 30350), (220, 30371), (222, 30383), (228, 30407), (237, 30449), (269, 30578), (283, 30638), (296, 30695), (304, 30722), (310, 30749), (314, 30764), (343, 30833), (355, 30872), (363, 30905), (382, 30986), (385, 31001), (412, 31106), (435, 31220), (476, 31319), (483, 31343),

Gene: Wilbur_33 Start: 26646, Stop: 25123, Start Num: 96

Candidate Starts for Wilbur_33:

(Start: 76 @26679 has 1 MA's), (Start: 96 @26646 has 15 MA's), (Start: 105 @26637 has 108 MA's), (137, 26475), (151, 26409), (156, 26391), (173, 26316), (177, 26292), (184, 26253), (185, 26250), (202, 26163), (228, 26037), (230, 26025), (273, 25854), (295, 25743), (307, 25692), (351, 25563), (354, 25554), (373, 25479), (375, 25473), (405, 25350), (414, 25311), (458, 25161), (465, 25146),

Gene: Wildwest_49 Start: 35283, Stop: 36758, Start Num: 104

Candidate Starts for Wildwest_49:

(Start: 97 @35274 has 3 MA's), (Start: 104 @35283 has 34 MA's), (180, 35604), (218, 35817), (272, 36057), (284, 36108), (328, 36249), (358, 36345), (390, 36486), (391, 36489), (440, 36690),

Gene: Wile_33 Start: 26657, Stop: 25143, Start Num: 105

Candidate Starts for Wile_33:

(Start: 76 @26699 has 1 MA's), (Start: 96 @26666 has 15 MA's), (Start: 105 @26657 has 108 MA's), (137, 26495), (151, 26429), (156, 26411), (173, 26336), (184, 26273), (185, 26270), (202, 26183), (228, 26057), (273, 25874), (283, 25817), (295, 25763), (307, 25712), (351, 25583), (354, 25574), (373, 25499), (375, 25493), (404, 25379), (405, 25370), (414, 25331), (458, 25181), (465, 25166),

Gene: Wilkins_36 Start: 28845, Stop: 30344, Start Num: 108

Candidate Starts for Wilkins_36:

(39, 28731), (48, 28749), (Start: 54 @28764 has 29 MA's), (Start: 57 @28770 has 3 MA's), (Start: 60 @28776 has 9 MA's), (Start: 61 @28779 has 10 MA's), (Start: 64 @28794 has 1 MA's), (Start: 108 @28845 has 217 MA's), (151, 29064), (153, 29070), (157, 29091), (190, 29220), (192, 29229), (193, 29238), (215, 29346), (220, 29367), (222, 29379), (228, 29403), (237, 29445), (269, 29574), (283, 29634), (296, 29691), (304, 29718), (310, 29745), (311, 29748), (314, 29760), (353, 29859), (363,

29898), (382, 29979), (385, 29994), (412, 30099), (435, 30213), (476, 30312), (483, 30336),

Gene: Wizard007_33 Start: 26642, Stop: 25128, Start Num: 105

Candidate Starts for Wizard007_33:

(Start: 76 @26684 has 1 MA's), (Start: 96 @26651 has 15 MA's), (Start: 105 @26642 has 108 MA's), (137, 26480), (151, 26414), (156, 26396), (173, 26321), (177, 26297), (184, 26258), (185, 26255), (202, 26168), (225, 26054), (228, 26042), (273, 25859), (295, 25748), (307, 25697), (351, 25568), (354, 25559), (373, 25484), (375, 25478), (405, 25355), (414, 25316), (458, 25166), (465, 25151),

Gene: Xena_33 Start: 26644, Stop: 25130, Start Num: 105

Candidate Starts for Xena_33:

(Start: 76 @26686 has 1 MA's), (Start: 96 @26653 has 15 MA's), (Start: 105 @26644 has 108 MA's), (137, 26482), (151, 26416), (156, 26398), (173, 26323), (184, 26260), (185, 26257), (202, 26170), (228, 26044), (273, 25861), (283, 25804), (295, 25750), (307, 25699), (351, 25570), (354, 25561), (373, 25486), (375, 25480), (404, 25366), (405, 25357), (414, 25318), (458, 25168), (465, 25153),

Gene: Yang_49 Start: 35473, Stop: 36891, Start Num: 104

Candidate Starts for Yang_49:

(91, 35455), (101, 35470), (Start: 104 @35473 has 34 MA's), (Start: 108 @35482 has 217 MA's), (153, 35704), (183, 35815), (187, 35827), (189, 35836), (208, 35935), (216, 35977), (228, 36028), (237, 36067), (351, 36472), (367, 36529), (370, 36547), (374, 36559),

Gene: Yasdnii_50 Start: 36231, Stop: 37844, Start Num: 55

Candidate Starts for Yasdnii_50:

(Start: 34 @36165 has 7 MA's), (Start: 53 @36222 has 5 MA's), (Start: 55 @36231 has 24 MA's), (Start: 114 @36378 has 3 MA's), (132, 36477), (Start: 136 @36495 has 1 MA's), (147, 36546), (163, 36627), (164, 36630), (185, 36702), (186, 36711), (187, 36714), (211, 36840), (217, 36867), (233, 36936), (244, 36981), (262, 37050), (271, 37077), (284, 37125), (294, 37173), (305, 37212), (310, 37239), (323, 37269), (363, 37392), (377, 37452), (387, 37497), (421, 37626), (429, 37677), (431, 37686), (440, 37725), (450, 37749), (455, 37764), (461, 37779), (469, 37794),

Gene: YesChef_50 Start: 35275, Stop: 36693, Start Num: 104

Candidate Starts for YesChef_50:

(91, 35257), (101, 35272), (Start: 104 @35275 has 34 MA's), (Start: 108 @35284 has 217 MA's), (131, 35398), (Start: 136 @35422 has 1 MA's), (153, 35506), (183, 35617), (187, 35629), (189, 35638), (208, 35737), (228, 35830), (230, 35842), (237, 35869), (284, 36028), (370, 36349), (374, 36361), (382, 36394), (422, 36532),

Gene: YoSam321_33 Start: 26634, Stop: 25120, Start Num: 105

Candidate Starts for YoSam321_33:

(Start: 76 @26676 has 1 MA's), (Start: 96 @26643 has 15 MA's), (Start: 105 @26634 has 108 MA's), (137, 26472), (151, 26406), (156, 26388), (173, 26313), (177, 26289), (184, 26250), (185, 26247), (202, 26160), (225, 26046), (228, 26034), (273, 25851), (295, 25740), (307, 25689), (351, 25560), (354, 25551), (373, 25476), (375, 25470), (405, 25347), (414, 25308), (458, 25158), (465, 25143),

Gene: Yogi_29 Start: 23610, Stop: 22114, Start Num: 93

Candidate Starts for Yogi_29:

(Start: 93 @23610 has 32 MA's), (Start: 108 @23589 has 217 MA's), (Start: 110 @23583 has 3 MA's), (Start: 136 @23454 has 1 MA's), (145, 23406), (164, 23319), (192, 23214), (213, 23103), (226, 23043), (229, 23031), (251, 22938), (259, 22905), (266, 22884), (272, 22854), (277, 22839), (279, 22833), (286, 22785), (307, 22695), (323, 22656), (325, 22650), (358, 22554), (366, 22521), (370, 22500), (373, 22491), (414, 22329),

Gene: Yoncess_29 Start: 23611, Stop: 22115, Start Num: 93

Candidate Starts for Yoncess_29:

(Start: 93 @23611 has 32 MA's), (Start: 108 @23590 has 217 MA's), (Start: 110 @23584 has 3 MA's), (Start: 136 @23455 has 1 MA's), (145, 23407), (164, 23320), (192, 23215), (213, 23104), (226, 23044), (229, 23032), (243, 22969), (251, 22939), (259, 22906), (266, 22885), (272, 22855), (279, 22834), (285, 22789), (286, 22786), (287, 22780), (307, 22696), (323, 22657), (325, 22651), (366, 22522), (370, 22501), (373, 22492), (414, 22330),

Gene: ZamZam_52 Start: 36968, Stop: 38557, Start Num: 55

Candidate Starts for ZamZam_52:

(9, 36689), (Start: 34 @36902 has 7 MA's), (Start: 55 @36968 has 24 MA's), (Start: 100 @37058 has 2 MA's), (Start: 114 @37094 has 3 MA's), (129, 37178), (Start: 130 @37184 has 1 MA's), (Start: 136 @37211 has 1 MA's), (150, 37274), (156, 37307), (159, 37328), (164, 37346), (186, 37427), (187, 37430), (188, 37433), (233, 37652), (243, 37694), (244, 37697), (248, 37715), (262, 37766), (271, 37790), (279, 37808), (310, 37952), (311, 37955), (312, 37958), (323, 37982), (358, 38081), (368, 38126), (369, 38132), (387, 38210), (429, 38390), (431, 38399), (435, 38420), (440, 38438), (450, 38462), (455, 38477), (469, 38507),

Gene: Zeeculate_37 Start: 30186, Stop: 31673, Start Num: 113

Candidate Starts for Zeeculate_37:

(Start: 54 @30090 has 29 MA's), (Start: 57 @30096 has 3 MA's), (Start: 60 @30102 has 9 MA's), (Start: 61 @30105 has 10 MA's), (Start: 64 @30120 has 1 MA's), (Start: 108 @30171 has 217 MA's), (Start: 113 @30186 has 10 MA's), (151, 30390), (153, 30396), (187, 30534), (190, 30546), (192, 30555), (193, 30564), (215, 30672), (220, 30693), (222, 30705), (228, 30729), (237, 30771), (267, 30885), (269, 30900), (283, 30960), (289, 30993), (296, 31017), (304, 31044), (310, 31071), (314, 31086), (343, 31155), (353, 31188), (355, 31194), (363, 31227), (382, 31308), (385, 31323), (412, 31428), (435, 31542), (476, 31641), (483, 31665),

Gene: Zemlya_51 Start: 35100, Stop: 36743, Start Num: 34

Candidate Starts for Zemlya_51:

(Start: 34 @35100 has 7 MA's), (Start: 55 @35166 has 24 MA's), (Start: 114 @35286 has 3 MA's), (Start: 130 @35376 has 1 MA's), (Start: 136 @35403 has 1 MA's), (147, 35454), (163, 35535), (164, 35538), (185, 35610), (186, 35619), (187, 35622), (217, 35775), (230, 35832), (231, 35835), (233, 35844), (240, 35868), (257, 35937), (294, 36072), (310, 36138), (323, 36168), (358, 36267), (363, 36291), (366, 36300), (371, 36324), (387, 36396), (431, 36585), (437, 36615), (440, 36624), (450, 36648), (455, 36663), (461, 36678),

Gene: Zephyr_38 Start: 29921, Stop: 31423, Start Num: 108

Candidate Starts for Zephyr_38:

(Start: 54 @29840 has 29 MA's), (Start: 57 @29846 has 3 MA's), (Start: 60 @29852 has 9 MA's), (Start: 61 @29855 has 10 MA's), (Start: 64 @29870 has 1 MA's), (Start: 108 @29921 has 217 MA's), (Start: 111 @29930 has 2 MA's), (151, 30140), (153, 30146), (156, 30158), (190, 30296), (192, 30305), (193, 30314), (194, 30320), (211, 30410), (215, 30422), (220, 30443), (222, 30455), (228, 30479), (237, 30521), (269, 30650), (283, 30710), (296, 30767), (310, 30821), (311, 30824), (314, 30836), (353, 30938), (355, 30944), (363, 30977), (382, 31058), (385, 31073), (435, 31292), (476, 31391), (483, 31415),

Gene: Zeta1847_52 Start: 36962, Stop: 38524, Start Num: 77

Candidate Starts for Zeta1847_52:

(Start: 77 @36962 has 1 MA's), (90, 36986), (95, 36992), (Start: 111 @37022 has 2 MA's), (147, 37193), (154, 37226), (193, 37394), (207, 37469), (218, 37523), (220, 37529), (276, 37790), (289, 37856), (316, 37946), (376, 38147), (425, 38342), (459, 38483),

Gene: Zeuska_38 Start: 30100, Stop: 31602, Start Num: 108

Candidate Starts for Zeuska_38:

(Start: 52 @30010 has 1 MA's), (Start: 54 @30019 has 29 MA's), (Start: 57 @30025 has 3 MA's),
(Start: 60 @30031 has 9 MA's), (Start: 61 @30034 has 10 MA's), (Start: 64 @30049 has 1 MA's),
(Start: 108 @30100 has 217 MA's), (Start: 113 @30115 has 10 MA's), (151, 30319), (153, 30325),
(190, 30475), (192, 30484), (193, 30493), (215, 30601), (220, 30622), (222, 30634), (228, 30658),
(237, 30700), (269, 30829), (283, 30889), (296, 30946), (304, 30973), (306, 30988), (307, 30991),
(310, 31000), (311, 31003), (314, 31015), (355, 31123), (363, 31156), (382, 31237), (385, 31252),
(435, 31471), (476, 31570), (483, 31594),

Gene: Zolita_29 Start: 26039, Stop: 24546, Start Num: 108

Candidate Starts for Zolita_29:

(Start: 108 @26039 has 217 MA's), (Start: 117 @26006 has 1 MA's), (Start: 118 @26003 has 3 MA's),
(Start: 120 @25985 has 4 MA's), (Start: 136 @25904 has 1 MA's), (160, 25784), (167, 25760), (173,
25733), (187, 25685), (220, 25520), (225, 25496), (226, 25493), (230, 25472), (244, 25415), (279,
25283), (310, 25142), (323, 25112), (359, 24977), (369, 24935), (373, 24923), (393, 24839), (396,
24824), (403, 24809), (442, 24632), (462, 24602),