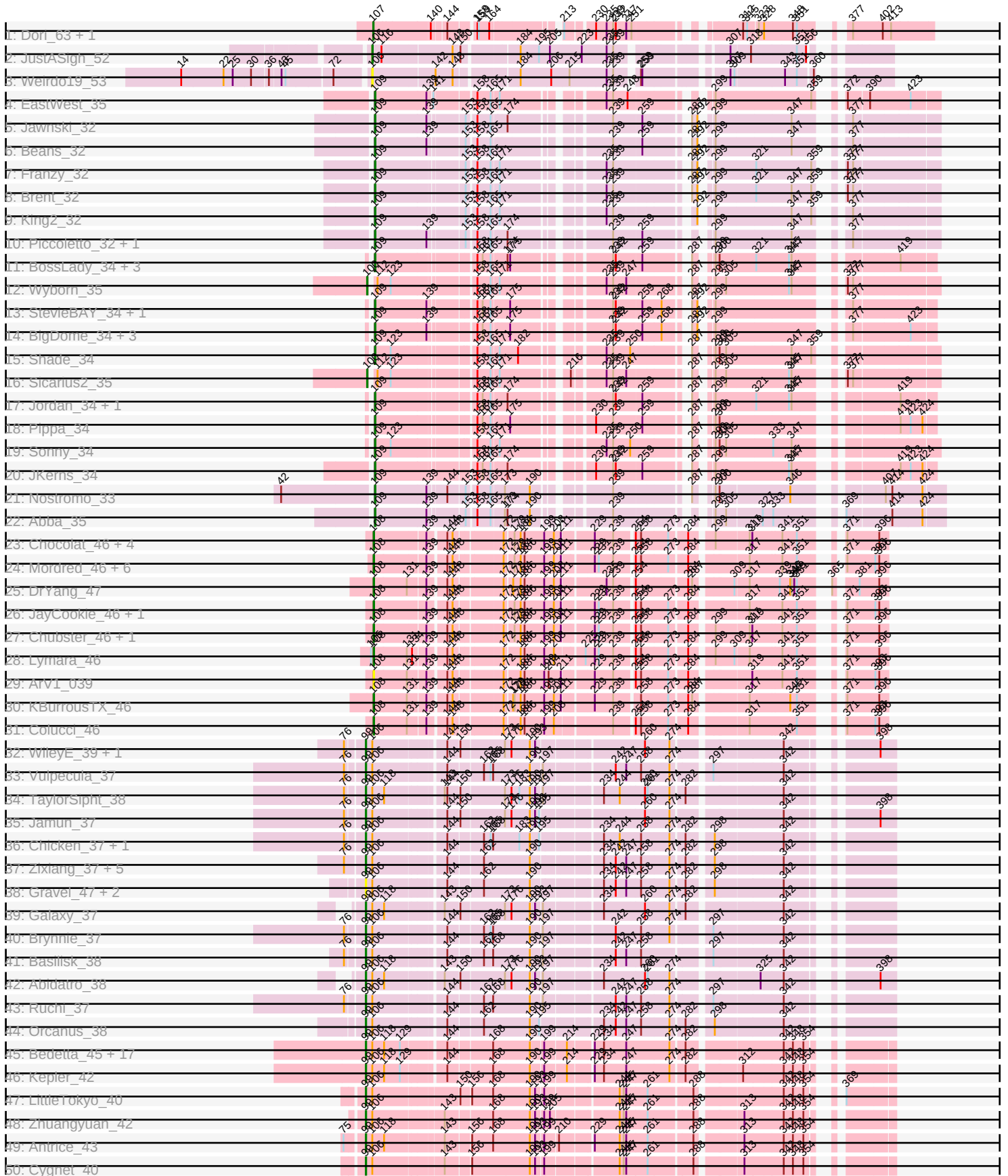
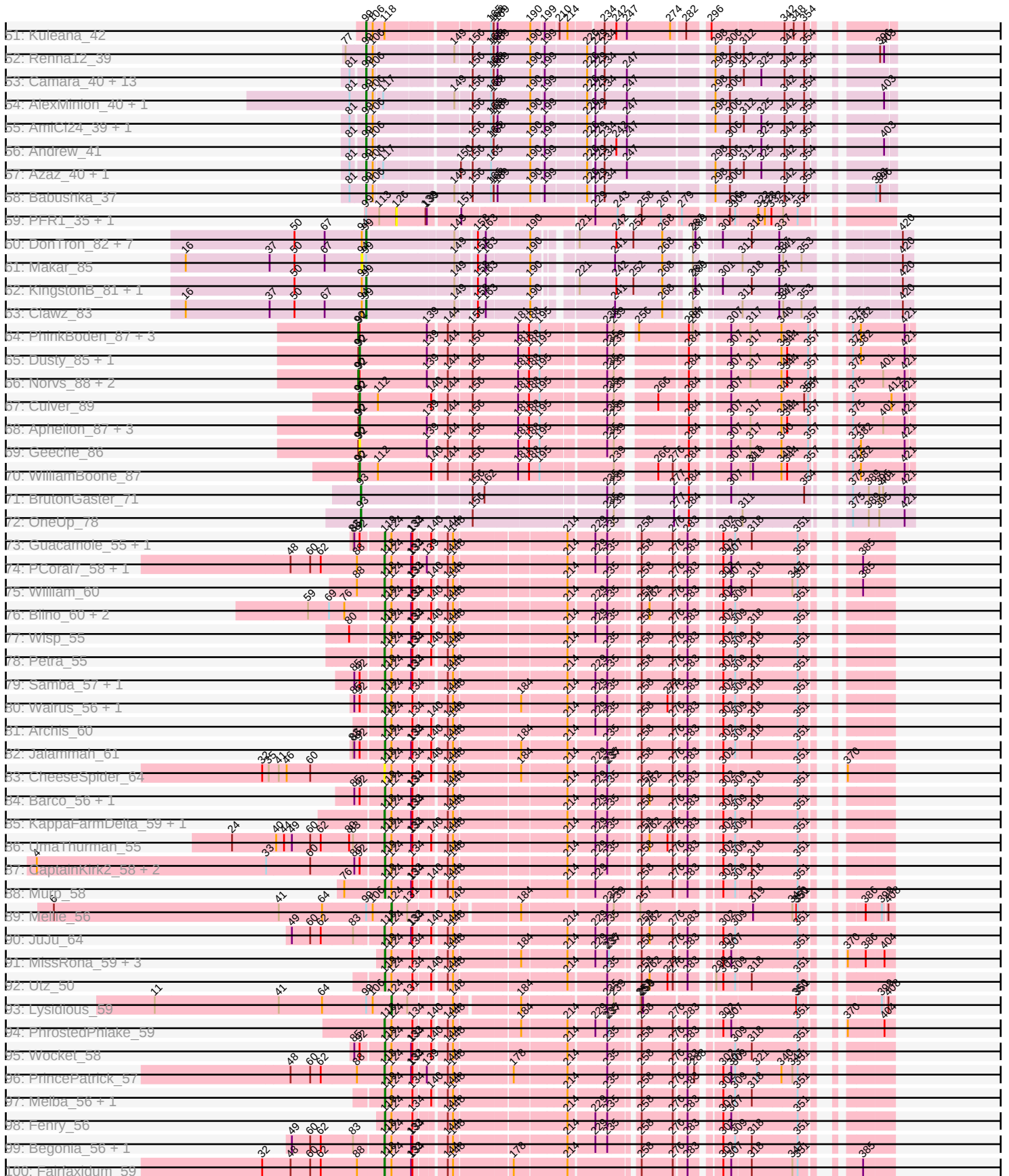


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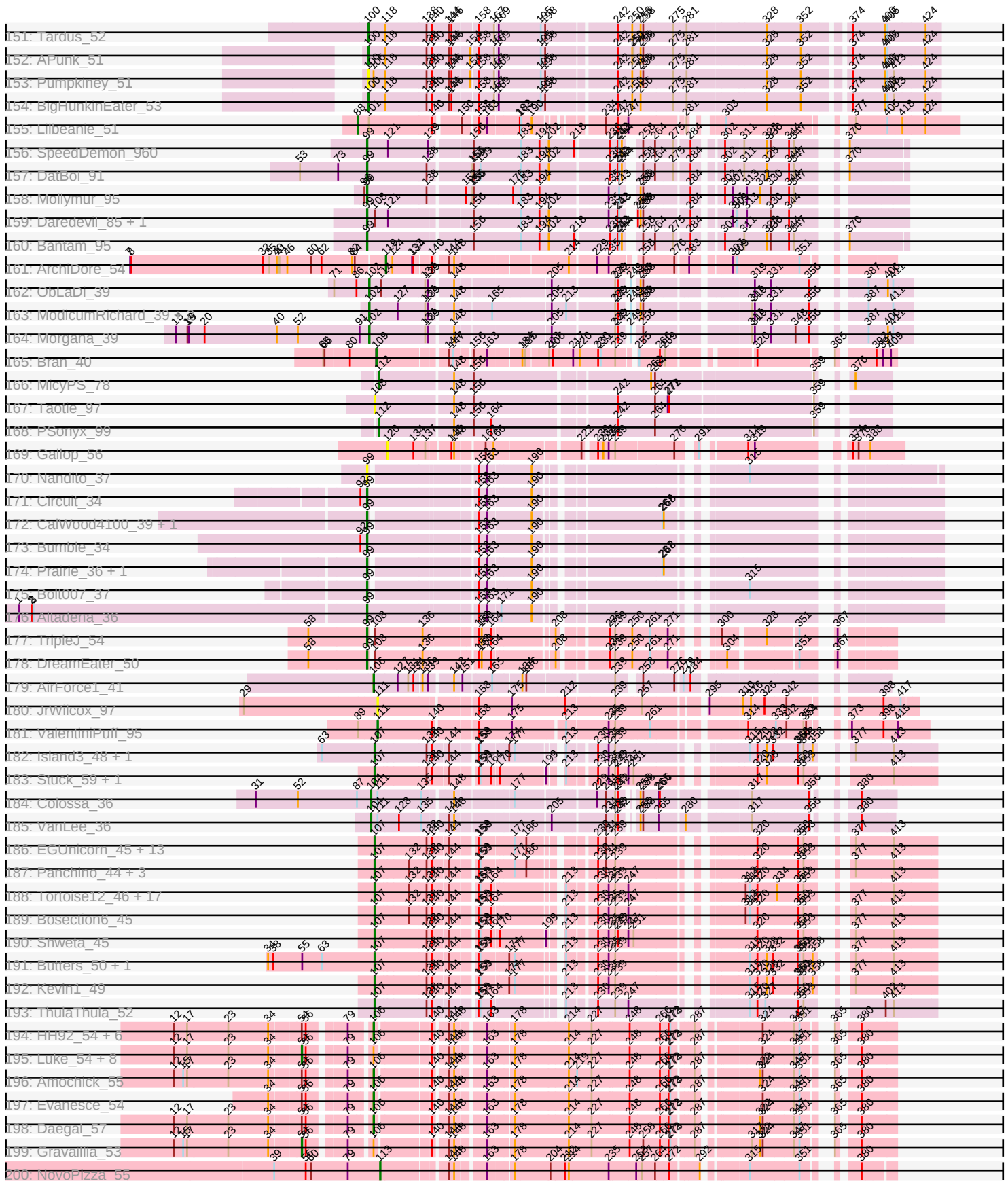
Pham 330348



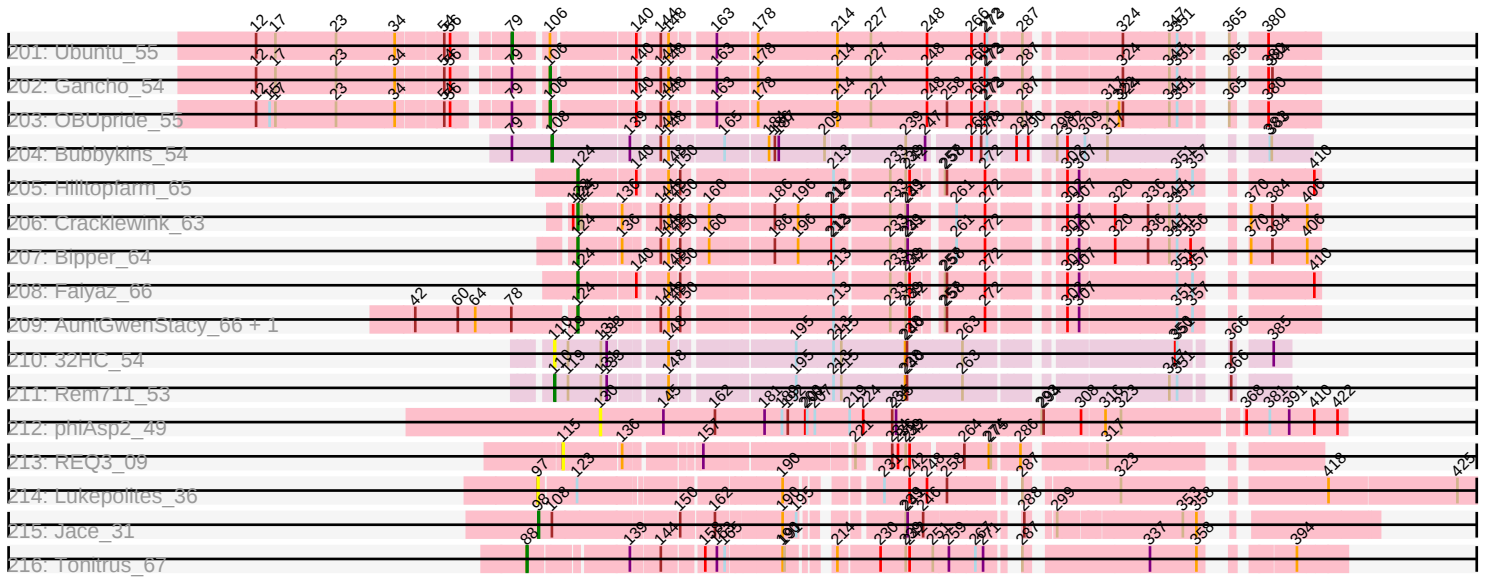
Pham 330348

ID	Name	Age	Gender	Height	Weight	BMI	Score
I01:	Zarboodnamira_57	57	F	168	90	31.5	351
I02:	ZiggyZoo_58	58	M	170	95	32.5	351
I03:	Nimram_59 + 3	59	M	172	100	33.5	351
I04:	Vasanti_54	54	F	165	85	31.0	351
I05:	Cardigan_99	99	M	175	105	34.0	351
I06:	Yvonhetastic_98	98	F	170	100	34.0	351
I07:	JonJames_100	100	M	175	110	35.0	351
I08:	Tangerine_47	47	F	160	80	31.0	351
I09:	ChadMasterC_49	49	M	165	85	31.0	351
I10:	Bizzy_48	48	M	165	85	31.0	351
I11:	Geodin_47 + 9	47	M	165	85	31.0	351
I12:	Brandonk123_50 + 5	50	M	170	95	32.5	351
I13:	Status_47 + 6	47	M	165	85	31.0	351
I14:	Saroniaya_47 + 2	47	F	165	85	31.0	351
I15:	Sedona_48	48	F	165	85	31.0	351
I16:	Derg_43	43	M	160	80	31.0	351
I17:	Kroos_48 + 4	48	M	165	85	31.0	351
I18:	Baddon_47	47	M	165	85	31.0	351
I19:	Brown_46	46	M	165	85	31.0	351
I20:	Kewpiedoli_48	48	M	165	85	31.0	351
I21:	Kwooi_49	49	M	165	85	31.0	351
I22:	YorkOnyx_48	48	M	165	85	31.0	351
I23:	BrawnI_45 + 1	45	M	160	80	31.0	351
I24:	Gaea_47	47	F	160	80	31.0	351
I25:	Sanjuu_47 + 1	47	M	165	85	31.0	351
I26:	Ribeye_48	48	M	165	85	31.0	351
I27:	RiverRaider_49	49	M	165	85	31.0	351
I28:	Baumdotcom_46 + 1	46	M	165	85	31.0	351
I29:	Barsten_49	49	M	165	85	31.0	351
I30:	Holo_48	48	M	165	85	31.0	351
I31:	Flatwoods_48	48	M	165	85	31.0	351
I32:	Shivanishola_48	48	M	165	85	31.0	351
I33:	McKinley_50	50	M	170	95	32.5	351
I34:	Asherntheman_48	48	M	165	85	31.0	351
I35:	Leonard_47 + 1	47	M	165	85	31.0	351
I36:	AmI7_45 + 2	45	M	160	80	31.0	351
I37:	Weibins_48	48	M	165	85	31.0	351
I38:	Phauci_40	40	M	155	75	30.0	351
I39:	Beiphegor_48	48	M	165	85	31.0	351
I40:	EMoore_45	45	M	160	80	31.0	351
I41:	Namocell_46	46	M	160	80	31.0	351
I42:	GRE6_45	45	M	160	80	31.0	351
I43:	Chickadee_45 + 1	45	M	160	80	31.0	351
I44:	Iwonio_43	43	M	155	75	30.0	351
I45:	RoadKm_43 + 1	43	M	155	75	30.0	351
I46:	Dexden_46	46	M	160	80	31.0	351
I47:	Scioto_51 + 3	51	M	170	95	32.5	351
I48:	Deirey21_50 + 3	50	M	170	95	32.5	351
I49:	Zitch_53	53	M	175	105	34.0	351
I50:	ViaConnectus_50	50	M	170	95	32.5	351

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

Pham 330348 Report

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

Pham number 330348 has 412 members, 45 are drafts.

Phages represented in each track:

- Track 1 : Dori_63, Mask_63
- Track 2 : JustASigh_52
- Track 3 : Weirido19_53
- Track 4 : EastWest_35
- Track 5 : Jawnski_32
- Track 6 : Beans_32
- Track 7 : Franzy_32
- Track 8 : Brent_32
- Track 9 : King2_32
- Track 10 : Piccoletto_32, NathanVaag_32
- Track 11 : BossLady_34, TaeYoung_34, Grekaycon_34, Martha_34
- Track 12 : Wyborn_35
- Track 13 : StevieBAY_34, GravityBall_34
- Track 14 : BigDome_34, BarretLemon_34, Timinator_34, LeeroyJ_34
- Track 15 : Shade_34
- Track 16 : Sicarius2_35
- Track 17 : Jordan_34, Zartrosa_34
- Track 18 : Pippa_34
- Track 19 : Sonny_34
- Track 20 : JKerns_34
- Track 21 : Nostromo_33
- Track 22 : Abba_35
- Track 23 : Chocolat_46, EdgarPoe_46, Conboy_46, PrincessTrina_46, Linus_46
- Track 24 : Mordred_46, RosiePosie_46, Chipper1996_460, Tophat_46, Kabreeze_46, HumptyDumpty_46, JaNo_46
- Track 25 : DrYang_47
- Track 26 : JayCookie_46, Scavito_46
- Track 27 : Chubster_46, MoyaNatalis_46
- Track 28 : Lymara_46
- Track 29 : ArV1_039
- Track 30 : KBurrousTX_46
- Track 31 : Colucci_46
- Track 32 : WileyE_39, Chickaboom_39
- Track 33 : Vulpecula_37
- Track 34 : TaylorSipht_38
- Track 35 : Jamun_37
- Track 36 : Chicken_37, Niblet_37

- Track 37 : Zixiang_37, KendraB23_48, Amanises_40, Shen_37, Eesa_37, Toad24_40
- Track 38 : Gravel_47, Pelletreau_47, Westrich_46
- Track 39 : Galaxy_37
- Track 40 : Brynnie_37
- Track 41 : Basilisk_38
- Track 42 : Abidatro_38
- Track 43 : Ruchi_37
- Track 44 : Orcanus_38
- Track 45 : Bedetta_45, GramZayde_42, BadWillHunting_47, Damocles_44, Amelia_40, Cote_42, Melons_42, Lunar_42, Bibble12_44, Polka_40, Colusalem_41, HannahPhantana_41, Pineda_42, Jerole_41, PhirstandPhine_42, Coral_40, OtsoOtso_41, Daob_42
- Track 46 : Kepler_42
- Track 47 : LittleTokyo_40
- Track 48 : Zhuangyuan_42
- Track 49 : Antrice_43
- Track 50 : Cygnet_40
- Track 51 : Kuleana_42
- Track 52 : Renna12_39
- Track 53 : Camara_40, Amphitrite_40, RedFox_40, AdoptaAdorbs_39, Laphuphu24k_38, PhluffyCoco_40, Juno112_39, Oppalora_39, Rattail_40, HamCheese_40, Glotell_41, Fingolfin_40, Atlantica_40, KHumphrey_40
- Track 54 : AlexMinion_40, StuartMinion_32
- Track 55 : AmiCi24_39, DanHam62_40
- Track 56 : Andrew_41
- Track 57 : Azaz_40, Leona_39
- Track 58 : Babushka_37
- Track 59 : PFR1_35, PFR2_37
- Track 60 : DonTron_82, Sting_81, ColdSoup_85, Jollymon_82, Amo99_85, Soos_78, Grumio_83, Purplicious_82
- Track 61 : Makar_85
- Track 62 : KingstonB_81, Stillion_82
- Track 63 : Clawz_83
- Track 64 : PhinkBoden_87, Bachita_89, Cucurbita_89, Engineer_89
- Track 65 : Dusty_85, Abscondus_87
- Track 66 : Norvs_88, Smoothie_89, ClubL_87
- Track 67 : Culver_89
- Track 68 : Aphelion_87, Lozinak_88, Miskis_80, Toniann_88
- Track 69 : Geeche_86
- Track 70 : WilliamBoone_87
- Track 71 : BrutonGaster_71
- Track 72 : OneUp_78
- Track 73 : Guacamole_55, JasperJr_55
- Track 74 : PCoral7_58, Toast_58
- Track 75 : William_60
- Track 76 : Blino_60, CarolAnn_59, Soilmate_62
- Track 77 : Wisp_55
- Track 78 : Petra_55
- Track 79 : Samba_57, Hitter_58
- Track 80 : Walrus_56, Pipp_60
- Track 81 : Archis_60
- Track 82 : Jalammah_61

- Track 83 : CheeseSpider_64
- Track 84 : Barco_56, Zilla_56
- Track 85 : KappaFarmDelta_59, Obliviate_54
- Track 86 : UmaThurman_55
- Track 87 : CaptainKirk2_58, MintFen_58, Delian_61
- Track 88 : Murp_58
- Track 89 : Mellie_56
- Track 90 : JuJu_64
- Track 91 : MissRona_59, Blueberry_58, Gambino_61, Azula_59
- Track 92 : Utz_50
- Track 93 : Lysidious_59
- Track 94 : PhrostedPhlake_59
- Track 95 : Wocket_58
- Track 96 : PrincePatrick_57
- Track 97 : Melba_56, BlingBling_54
- Track 98 : Fenry_56
- Track 99 : Begonia_56, Malachai_56
- Track 100 : Fairfaxidum_59
- Track 101 : Zarbodnamra_57
- Track 102 : ZiggyZoo_58
- Track 103 : TimTam_59, Eviarto_59, Nymphadora_59, BatStarr_58
- Track 104 : Vasanti_54
- Track 105 : Cardigan_99
- Track 106 : Yvonnestic_98
- Track 107 : JonJames_100
- Track 108 : Tangerine_47
- Track 109 : ChadMasterC_49
- Track 110 : Bizzy_48
- Track 111 : Geodirt_47, Fosterous_46, Love_52, Kamashten_46, Tangent_49, MoontowerMania_48, Charming_49, Vivi2_51, Thing3_46, FuegoCuervo_51
- Track 112 : Brandonk123_50, McCrothy_48, Paries_51, BobBob_46, Galadriel_48, Nordenberg_43
- Track 113 : Stultus_47, Angelicage_46, Affeca_46, Keitabear_48, Lennon_48, Sitar_48, Ailee_45
- Track 114 : Saronaya_47, JKSyngboy_45, Gustavo_47
- Track 115 : Sedona_48
- Track 116 : Derg_43
- Track 117 : Kroos_48, SchottB_46, Stichling_45, StorminNorm_47, Tycho_47
- Track 118 : Baddon_47
- Track 119 : Bibwit_46
- Track 120 : Kewpiedoll_48
- Track 121 : Kwobi_49
- Track 122 : YorkOnyx_48
- Track 123 : Brawn1_45, Jabberwocky_47
- Track 124 : Gaea_47
- Track 125 : Sanjuju_47, Fitzgerald_47
- Track 126 : Ribeye_48
- Track 127 : RiverRaider_49
- Track 128 : Baumdotcom_46, LilHam_45
- Track 129 : Barsten_49
- Track 130 : Rofo_48
- Track 131 : Flatwoods_48
- Track 132 : Shivanishola_48

- Track 133 : McKinley_50
- Track 134 : Ashertheman_48
- Track 135 : Leonard_47, Phinally_47
- Track 136 : Ali17_45, Hans_49, Inspectinfecti_48
- Track 137 : MelBins_48
- Track 138 : Phauci_40
- Track 139 : Belphegor_48
- Track 140 : EMoore_45
- Track 141 : Tiamoceli_46
- Track 142 : GTE6_45
- Track 143 : Chickadee_45, Kwekel_45
- Track 144 : Twonlo_43
- Track 145 : RoadKill_43, EdmundFerry_44
- Track 146 : Dexdert_46
- Track 147 : Scioto_51, Abblin_50, Sampson_50, Natkenzie_50
- Track 148 : Delrey21_50, DoctorFroggo_50, Zipp_51, Verity_50
- Track 149 : Zitch_53
- Track 150 : ViaConlectus_50
- Track 151 : Tardus_52
- Track 152 : APunk_51
- Track 153 : Pumpkiney_51
- Track 154 : BigHunkinEater_53
- Track 155 : Lilbeanie_51
- Track 156 : SpeedDemon_960
- Track 157 : DatBoi_91
- Track 158 : Mollymur_95
- Track 159 : Daredevil_85, Towmatter_84
- Track 160 : Bantam_95
- Track 161 : ArchiDore_54
- Track 162 : ObLaDi_39
- Track 163 : ModicumRichard_39, Aleemily_38, Cafasso_39
- Track 164 : Morgana_39
- Track 165 : Bran_40
- Track 166 : MicyPS_78
- Track 167 : Taotie_97
- Track 168 : PSonyx_99
- Track 169 : Gallop_56
- Track 170 : Nandito_37
- Track 171 : Circuit_34
- Track 172 : CalWood4100_39, Lilmac1015_39
- Track 173 : Bumble_34
- Track 174 : Prairie_36, Klevey_37
- Track 175 : Bolt007_37
- Track 176 : Altadena_36
- Track 177 : TripleJ_54
- Track 178 : DreamEater_50
- Track 179 : AirForce1_41
- Track 180 : JrWilcox_97
- Track 181 : ValentiniPuff_95
- Track 182 : Island3_48, Brujita_48
- Track 183 : Stuck_59, Bluvara_52
- Track 184 : Colossa_36
- Track 185 : VanLee_36

- Track 186 : EGUnicorn_45, Spinach_51, BabeRuth_52, ShrimpFriedEgg_51, Redi_51, PhancyPhin_51, Rebel_43, Nenae_51, Purgamenstris_51, Raymond7_45, Impisi_52, Hanako_51, Andies_44, Phrann_48
- Track 187 : Panchino_44, Jamie19_45, SpongeBob_45, Snekmaggon_45
- Track 188 : Tortoise12_46, Pipsqueaks_47, Smurph_47, Tapioca_49, Carcharodon_47, Tessdabest_48, Parmesanjohn_47, Scitech_44, Silvafighter_48, Schnauzer_48, Fulbright_46, Melville_50, Magsby_47, Xerxes_47, Phloss_45, Gex_47, Chewbacca_49, Duplicity_47
- Track 189 : Bosection6_45
- Track 190 : Shweta_45
- Track 191 : Butters_50, Rubeelu_50
- Track 192 : Kevin1_49
- Track 193 : ThulaThula_52
- Track 194 : HH92_54, BloominB_54, Ein37_55, Amymech_55, Webster2_55, LilHazelnut_55, DeepSoil15_55
- Track 195 : Luke_54, Wishmaker_52, Kinbote_54, Dewey_52, Hail_52, Giles_52, Forge_52, Luna22_52, Hadrien_54
- Track 196 : Amochick_55
- Track 197 : Evanesce_54
- Track 198 : Daegal_57
- Track 199 : Gravaillia_53
- Track 200 : NovoPizza_55
- Track 201 : Ubuntu_55
- Track 202 : Gancho_54
- Track 203 : OBUpide_55
- Track 204 : Bubbykins_54
- Track 205 : Hilltopfarm_65
- Track 206 : Cracklewink_63
- Track 207 : Bipper_64
- Track 208 : Faiyaz_66
- Track 209 : AuntGwenStacy_66, Typha_65
- Track 210 : 32HC_54
- Track 211 : Rem711_53
- Track 212 : phiAsp2_49
- Track 213 : REQ3_09
- Track 214 : Lukepolites_36
- Track 215 : Jace_31
- Track 216 : Tonitrus_67

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

The start number called the most often in the published annotations is 99, it was called in 77 of the 367 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abidatro_38, AdoptaAdorbs_39, AlexMinion_40, Altadena_36, Amanises_40, Amelia_40, AmiCi24_39, Amo99_85, Amphitrite_40, Andrew_41, Antrice_43, Atlantica_40, Azaz_40, Babushka_37, BadWillHunting_47, Bantam_95, Basilisk_38, Bedetta_45, Bibble12_44, Bolt007_37, Brynnie_37, Bumble_34, CalWood4100_39, Camara_40, Chickaboom_39, Chicken_37, Circuit_34, Clawz_83, ColdSoup_85,

Colusalem_41, Coral_40, Cote_42, Cygnet_40, Damocles_44, DanHam62_40, Daob_42, Daredevil_85, DatBoi_91, DonTron_82, DreamEater_50, Eesa_37, Fingolfin_40, Galaxy_37, Glotell_41, GramZayde_42, Gravel_47, Grumio_83, HamCheese_40, HannahPhantana_41, Jamun_37, Jerole_41, Jollymon_82, Juno112_39, KHumphrey_40, KendraB23_48, Kepler_42, KingstonB_81, Klevey_37, Kuleana_42, Laphuphu24k_38, Leona_39, Lilmac1015_39, LittleTokyo_40, Lunar_42, Melons_42, Mollymur_95, Nandito_37, Niblet_37, Oppalora_39, Orcanus_38, OtsoOtso_41, Pelletreau_47, PhirstandPhine_42, PhluffyCoco_40, Pineda_42, Polka_40, Prairie_36, Purplicious_82, Rattail_40, RedFox_40, Renna12_39, Ruchi_37, Shen_37, Soos_78, SpeedDemon_960, Stillion_82, Sting_81, StuartMinion_32, TaylorSipht_38, Toad24_40, Towmatter_84, TripleJ_54, Vulpecula_37, Westrich_46, WileyE_39, Zhuangyuan_42, Zixiang_37,

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

- Lysidious_59, Makar_85, Mellie_56, PFR1_35, PFR2_37,

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

- 32HC_54, APunk_51, Abba_35, Abblin_50, Abscondus_87, Affeca_46, Ailee_45, AirForce1_41, Aleemily_38, Ali17_45, Amochick_55, Amymech_55, Andies_44, Angelicage_46, Aphelion_87, ArV1_039, ArchiDore_54, Archis_60, Ashertheman_48, AuntGwenStacy_66, Azula_59, BabeRuth_52, Bachita_89, Baddon_47, Barco_56, BarretLemon_34, Barsten_49, BatStarr_58, Baumdotcom_46, Beans_32, Begonia_56, Belphegor_48, Bibwit_46, BigDome_34, BigHunkinEater_53, Bipper_64, Bizzy_48, BlingBling_54, Blino_60, BloominB_54, Blueberry_58, Bluvava_52, BobBob_46, Bosection6_45, BossLady_34, Bran_40, Brandonk123_50, Brawn1_45, Brent_32, Brujita_48, BrutonGaster_71, Bubbykins_54, Butters_50, Cafasso_39, CaptainKirk2_58, Carcharodon_47, Cardigan_99, CarolAnn_59, ChadMasterC_49, Charming_49, CheeseSpider_64, Chewbacca_49, Chickadee_45, Chipper1996_460, Chocolat_46, Chubster_46, ClubL_87, Colossa_36, Colucci_46, Conboy_46, Cracklewink_63, Cucurbita_89, Culver_89, Daegal_57, DeepSoil15_55, Delian_61, Delrey21_50, Derg_43, Dewey_52, Dexdert_46, DoctorFroggo_50, Dori_63, DrYang_47, Duplicity_47, Dusty_85, EGUicorn_45, EMoore_45, EastWest_35, EdgarPoe_46, EdmundFerry_44, Ein37_55, Engineer_89, Evanesce_54, Eviarto_59, Fairfaxidum_59, Faiyaz_66, Fenry_56, Fitzgerald_47, Flatwoods_48, Forge_52, Fosterous_46, Franzy_32, FuegoCuervo_51, Fulbright_46, GTE6_45, Gaea_47, Galadriel_48, Gallop_56, Gambino_61, Gancho_54, Geeche_86, Geodirt_47, Gex_47, Giles_52, Gravallia_53, GravityBall_34, Grekaycon_34, Guacamole_55, Gustavo_47, HH92_54, Hadrien_54, Hail_52, Hanako_51, Hans_49, Hilltopfarm_65, Hitter_58, HumptyDumpty_46, Impisi_52, Inspectinfecti_48, Island3_48, JKSyngboy_45, JKerns_34, JaNo_46, Jabberwocky_47, Jace_31, Jalammah_61, Jamie19_45, JasperJr_55, Jawnski_32, JayCookie_46, JonJames_100, Jordan_34, JrWilcox_97, JuJu_64, JustASigh_52, KBurroustX_46, Kabreeze_46, Kamashten_46, KappaFarmDelta_59, Keitabear_48, Kevin1_49, Kewpiedoll_48, Kinbote_54, King2_32, Kroos_48, Kwekel_45, Kwobi_49, LeeroyJ_34, Lennon_48, Leonard_47, LilHam_45, LilHazelNut_55, Lilbeanie_51, Linus_46, Love_52, Lozinak_88, Luke_54, Lukepolites_36, Luna22_52, Lymara_46, Magsby_47, Malachai_56, Martha_34, Mask_63, McCrothy_48, McKinley_50, MelBins_48, Melba_56, Melville_50, MicyPS_78, MintFen_58, Miskis_80, MissRona_59, ModicumRichard_39, MoontowerMania_48, Mordred_46, Morgana_39, MoyaNatalis_46, Murp_58, NathanVaag_32, Natkenzie_50, Nenae_51, Nordenberg_43, Norvs_88, Nostromo_33, NovoPizza_55, Nymphadora_59, OBUpride_55, ObLaDi_39, Obliviate_54, OneUp_78, PCoral7_58, PSonyx_99, Panchino_44, Paries_51, ParmesanJohn_47, Petra_55, PhancyPhin_51, Phauci_40,

Phinally_47, PhinkBoden_87, Phloss_45, Phrann_48, PhrostedPhlake_59, Piccoletto_32, Pipp_60, Pippa_34, Pipsqueaks_47, PrincePatrick_57, PrincessTrina_46, Pumpkiney_51, Purgamenstris_51, REQ3_09, Raymond7_45, Rebel_43, Redi_51, Rem711_53, Ribeye_48, RiverRaider_49, RoadKill_43, Rofo_48, RosiePosie_46, Rubeelu_50, Samba_57, Sampson_50, Sanjuju_47, Saronaya_47, Scavito_46, Schnauzer_48, SchottB_46, Scioto_51, Scitech_44, Sedona_48, Shade_34, Shivanishola_48, ShrimpFriedEgg_51, Shweta_45, Sicarius2_35, Silvafighter_48, Sitar_48, Smoothie_89, Smurph_47, Snekmaggon_45, Soilmate_62, Sonny_34, Spinach_51, SpongeBob_45, StevieBAY_34, Stichling_45, StorminNorm_47, Stuck_59, Stultus_47, TaeYoung_34, Tangent_49, Tangerine_47, Taotie_97, Tapioca_49, Tardus_52, Tessdabest_48, Thing3_46, ThulaThula_52, Tiamoceli_46, TimTam_59, Timinator_34, Toast_58, Toniann_88, Tonitrus_67, Tophat_46, Tortoise12_46, Twonlo_43, Tycho_47, Typha_65, Ubuntu_55, UmaThurman_55, Utz_50, ValentiniPuff_95, VanLee_36, Vasanti_54, Verity_50, ViaConlectus_50, Vivi2_51, Walrus_56, Webster2_55, Weirido19_53, WilliamBoone_87, William_60, Wishmaker_52, Wisp_55, Wocket_58, Wyborn_35, Xerxes_47, YorkOnyx_48, Yvonnestic_98, Zarbodnamra_57, Zartrosa_34, ZippyZoo_58, Zilla_56, Zipp_51, Zitch_53, phiAsp2_49,

Summary by start number:

Start 32:

- Found in 5 of 412 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 367
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Rofo_48 (DE1),

Start 54:

- Found in 23 of 412 (5.6%) of genes in pham
- Manual Annotations of this start: 10 of 367
- Called 43.5% of time when present
- Phage (with cluster) where this start called: Dewey_52 (Q), Forge_52 (Q), Giles_52 (Q), Gravallia_53 (Q), Hadrien_54 (Q), Hail_52 (Q), Kinbote_54 (Q), Luke_54 (Q), Luna22_52 (Q), Wishmaker_52 (Q),

Start 79:

- Found in 25 of 412 (6.1%) of genes in pham
- Manual Annotations of this start: 1 of 367
- Called 4.0% of time when present
- Phage (with cluster) where this start called: Ubuntu_55 (Q),

Start 88:

- Found in 7 of 412 (1.7%) of genes in pham
- Manual Annotations of this start: 2 of 367
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Lilbeanie_51 (DE5), Tonitrus_67 (singleton),

Start 90:

- Found in 16 of 412 (3.9%) of genes in pham
- Manual Annotations of this start: 7 of 367
- Called 43.8% of time when present

- Phage (with cluster) where this start called: Bachita_89 (CQ1), ClubL_87 (CQ1), Cucurbita_89 (CQ1), Engineer_89 (CQ1), Norvs_88 (CQ1), PhinkBoden_87 (CQ1), Smoothie_89 (CQ1),

Start 92:

- Found in 32 of 412 (7.8%) of genes in pham
- Manual Annotations of this start: 8 of 367
- Called 28.1% of time when present
- Phage (with cluster) where this start called: Abscondus_87 (CQ1), Aphelion_87 (CQ1), Culver_89 (CQ1), Dusty_85 (CQ1), Geeche_86 (CQ1), Lozinak_88 (CQ1), Miskis_80 (CQ1), Toniann_88 (CQ1), WilliamBoone_87 (CQ1),

Start 93:

- Found in 2 of 412 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 367
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BrutonGaster_71 (CQ2), OneUp_78 (CQ2),

Start 94:

- Found in 15 of 412 (3.6%) of genes in pham
- Manual Annotations of this start: 3 of 367
- Called 26.7% of time when present
- Phage (with cluster) where this start called: Cardigan_99 (DD), JonJames_100 (DD), Makar_85 (CP), Yvonnetastic_98 (DD),

Start 95:

- Found in 9 of 412 (2.2%) of genes in pham
- Manual Annotations of this start: 9 of 367
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ali17_45 (DE2), Belphegor_48 (DE2), EMOore_45 (DE2), Hans_49 (DE2), Inspectinfecti_48 (DE2), Leonard_47 (DE2), MelBins_48 (DE2), Phauci_40 (DE2), Phinally_47 (DE2),

Start 97:

- Found in 1 of 412 (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: Lukepolites_36 (singleton),

Start 98:

- Found in 64 of 412 (15.5%) of genes in pham
- Manual Annotations of this start: 60 of 367
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Affeca_46 (DE1), Ailee_45 (DE1), Angelicage_46 (DE1), Ashertheman_48 (DE1), Baddon_47 (DE1), Barsten_49 (DE1), Baumdotcom_46 (DE1), Bibwit_46 (DE1), Bizzy_48 (DE1), BobBob_46 (DE1), Brandonk123_50 (DE1), Brawn1_45 (DE1), ChadMasterC_49 (DE1), Charming_49 (DE1), Chickadee_45 (DE3), Derg_43 (DE1), Dexdert_46 (DE3), EdmundFerry_44 (DE3), Fitzgerald_47 (DE1), Flatwoods_48 (DE1), Fosterous_46 (DE1), FuegoCuervo_51 (DE1), GTE6_45 (DE3), Gaea_47 (DE1), Galadriel_48 (DE1), Geodirt_47 (DE1), Gustavo_47 (DE1), JKSyngboy_45 (DE1), Jabberwocky_47 (DE1), Jace_31 (singleton), Kamashten_46 (DE1), Keitabear_48 (DE1), Kewpiedoll_48

(DE1), Kroos_48 (DE1), Kwekel_45 (DE3), Kwobi_49 (DE1), Lennon_48 (DE1), LilHam_45 (DE1), Love_52 (DE1), McCrothy_48 (DE1), McKinley_50 (DE1), MoontowerMania_48 (DE1), Nordenberg_43 (DE1), Paries_51 (DE1), Ribeye_48 (DE1), RiverRaider_49 (DE1), RoadKill_43 (DE3), Sanjuju_47 (DE1), Saronaya_47 (DE1), SchottB_46 (DE1), Sedona_48 (DE1), Shivanishola_48 (DE1), Sitar_48 (DE1), Stichling_45 (DE1), StorminNorm_47 (DE1), Stultus_47 (DE1), Tangent_49 (DE1), Tangerine_47 (DE1), Thing3_46 (DE1), Tiamoceli_46 (DE3), Twonlo_43 (DE3), Tycho_47 (DE1), Vivi2_51 (DE1), YorkOnyx_48 (DE1),

Start 99:

- Found in 102 of 412 (24.8%) of genes in pham
- Manual Annotations of this start: 77 of 367
- Called 95.1% of time when present
- Phage (with cluster) where this start called: Abidatro_38 (AS1), AdoptaAdorbs_39 (AS3), AlexMinion_40 (AS3), Altadena_36 (FH), Amanises_40 (AS1), Amelia_40 (AS2), AmiCi24_39 (AS3), Amo99_85 (CP), Amphitrite_40 (AS3), Andrew_41 (AS3), Antrice_43 (AS2), Atlantica_40 (AS3), Azaz_40 (AS3), Babushka_37 (AS3), BadWillHunting_47 (AS2), Bantam_95 (DL), Basilisk_38 (AS1), Bedetta_45 (AS2), Bibble12_44 (AS2), Bolt007_37 (FH), Brynnie_37 (AS1), Bumble_34 (FH), CalWood4100_39 (FH), Camara_40 (AS3), Chickaboom_39 (AS1), Chicken_37 (AS1), Circuit_34 (FH), Clawz_83 (CP), ColdSoup_85 (CP), Colusalem_41 (AS2), Coral_40 (AS2), Cote_42 (AS2), Cygnet_40 (AS2), Damocles_44 (AS2), DanHam62_40 (AS3), Daob_42 (AS2), Daredevil_85 (DL), DatBoi_91 (DL), DonTron_82 (CP), DreamEater_50 (FJ), Eesa_37 (AS1), Fingolfin_40 (AS3), Galaxy_37 (AS1), Glotell_41 (AS3), GramZayde_42 (AS2), Grave_47 (AS1), Grumio_83 (CP), HamCheese_40 (AS3), HannahPhantana_41 (AS2), Jamun_37 (AS1), Jerole_41 (AS2), Jollymon_82 (CP), Juno112_39 (AS3), KHumphrey_40 (AS3), KendraB23_48 (AS1), Kepler_42 (AS2), KingstonB_81 (CP), Klevey_37 (FH), Kuleana_42 (AS2), Laphuphu24k_38 (AS3), Leona_39 (AS3), Lilmac1015_39 (FH), LittleTokyo_40 (AS2), Lunar_42 (AS2), Melons_42 (AS2), Mollymur_95 (DL), Nandito_37 (FH), Niblet_37 (AS1), Oppalora_39 (AS3), Orcanus_38 (AS1), OtsoOtso_41 (AS2), Pelletreau_47 (AS1), PhirstandPhine_42 (AS2), PhluffyCoco_40 (AS3), Pineda_42 (AS2), Polka_40 (AS2), Prairie_36 (FH), Purplicious_82 (CP), Rattail_40 (AS3), RedFox_40 (AS3), Renna12_39 (AS3), Ruchi_37 (AS1), Shen_37 (AS1), Soos_78 (CP), SpeedDemon_960 (DL), Stillion_82 (CP), Sting_81 (CP), StuartMinion_32 (AS3), TaylorSipht_38 (AS1), Toad24_40 (AS1), Towmatter_84 (DL), TripleJ_54 (FJ), Vulpecula_37 (AS1), Westrich_46 (AS1), WileyE_39 (AS1), Zhuangyuan_42 (AS2), Zixiang_37 (AS1),

Start 100:

- Found in 16 of 412 (3.9%) of genes in pham
- Manual Annotations of this start: 15 of 367
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_51 (DE4), Abblin_50 (DE4), BigHunkinEater_53 (DE4), Delrey21_50 (DE4), DoctorFroggo_50 (DE4), Natkenzie_50 (DE4), Pumpkiney_51 (DE4), Sampson_50 (DE4), Scioto_51 (DE4), Sicarius2_35 (AO2), Tardus_52 (DE4), Verity_50 (DE4), ViaConlectus_50 (DE4), Wyborn_35 (AO2), Zipp_51 (DE4), Zitch_53 (DE4),

Start 102:

- Found in 5 of 412 (1.2%) of genes in pham
- Manual Annotations of this start: 5 of 367
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Aleemily_38 (DZ), Cafasso_39 (DZ), ModicumRichard_39 (DZ), Morgana_39 (DZ), ObLaDi_39 (DZ),

Start 104:

- Found in 2 of 412 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 367
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Colossa_36 (KA), VanLee_36 (KA),

Start 106:

- Found in 100 of 412 (24.3%) of genes in pham
- Manual Annotations of this start: 14 of 367
- Called 15.0% of time when present
- Phage (with cluster) where this start called: AirForce1_41 (FL), Amochick_55 (Q), Amymech_55 (Q), BloominB_54 (Q), Daegal_57 (Q), DeepSoil15_55 (Q), Ein37_55 (Q), Evanesce_54 (Q), Gancho_54 (Q), HH92_54 (Q), JustASigh_52 (AH), LilHazelNut_55 (Q), OBUpride_55 (Q), Webster2_55 (Q), Weirido19_53 (AH),

Start 107:

- Found in 48 of 412 (11.7%) of genes in pham
- Manual Annotations of this start: 44 of 367
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Andies_44 (N), BabeRuth_52 (N), Bluvara_52 (I3), Bosection6_45 (N), Brujita_48 (I1), Butters_50 (N), Carcharodon_47 (N), Chewbacca_49 (N), Dori_63 (AD), Duplicity_47 (N), EGUnicorn_45 (N), Fulbright_46 (N), Gex_47 (N), Hanako_51 (N), Impisi_52 (N), Island3_48 (I1), Jamie19_45 (N), Kevin1_49 (N), Magsby_47 (N), Mask_63 (AD), Melville_50 (N), Nenae_51 (N), Panchino_44 (N), Parmesanjohn_47 (N), PhancyPhin_51 (N), Phloss_45 (N), Phrann_48 (N), Pipsqueaks_47 (N), Purgamenstris_51 (N), Raymond7_45 (N), Rebel_43 (N), Redi_51 (N), Rubeelu_50 (N), Schnauzer_48 (N), Scitech_44 (N), ShrimpFriedEgg_51 (N), Shweta_45 (N), Silvafighter_48 (N), Smurph_47 (N), Snekmaggon_45 (N), Spinach_51 (N), SpongeBob_45 (N), Stuck_59 (I2), Tapioca_49 (N), Tessdabest_48 (N), ThulaThula_52 (P5), Tortoise12_46 (N), Xerxes_47 (N),

Start 108:

- Found in 28 of 412 (6.8%) of genes in pham
- Manual Annotations of this start: 20 of 367
- Called 82.1% of time when present
- Phage (with cluster) where this start called: ArV1_039 (AR), Bubbykins_54 (UNK), Chipper1996_460 (AR), Chocolat_46 (AR), Chubster_46 (AR), Colucci_46 (AR), Conboy_46 (AR), DrYang_47 (AR), EdgarPoe_46 (AR), HumptyDumpty_46 (AR), JaNo_46 (AR), JayCookie_46 (AR), KBurrousTX_46 (AR), Kabreeze_46 (AR), Linus_46 (AR), Lymara_46 (AR), Mordred_46 (AR), MoyaNatalis_46 (AR), PrincessTrina_46 (AR), RosiePosie_46 (AR), Scavito_46 (AR), Taotie_97 (EQ), Tophat_46 (AR),

Start 109:

- Found in 27 of 412 (6.6%) of genes in pham
- Manual Annotations of this start: 27 of 367
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abba_35 (AO3), BarretLemon_34 (AO2), Beans_32 (AO1), BigDome_34 (AO2), BossLady_34 (AO2), Bran_40 (EP), Brent_32

(AO1), EastWest_35 (AO), Franzy_32 (AO1), GravityBall_34 (AO2), Grekaycon_34 (AO2), JKerns_34 (AO2), Jawnski_32 (AO1), Jordan_34 (AO2), King2_32 (AO1), LeeroyJ_34 (AO2), Martha_34 (AO2), NathanVaag_32 (AO1), Nostromo_33 (AO3), Piccoletto_32 (AO1), Pippa_34 (AO2), Shade_34 (AO2), Sonny_34 (AO2), StevieBAY_34 (AO2), TaeYoung_34 (AO2), Terminator_34 (AO2), Zartrosa_34 (AO2),

Start 110:

- Found in 2 of 412 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 367
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 32HC_54 (Z), Rem711_53 (Z),

Start 111:

- Found in 4 of 412 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 367
- Called 50.0% of time when present
- Phage (with cluster) where this start called: JrWilcox_97 (GL), ValentiniPuff_95 (GL),

Start 112:

- Found in 6 of 412 (1.5%) of genes in pham
- Manual Annotations of this start: 2 of 367
- Called 33.3% of time when present
- Phage (with cluster) where this start called: MicyPS_78 (EQ), PSonyx_99 (EQ),

Start 113:

- Found in 3 of 412 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 367
- Called 33.3% of time when present
- Phage (with cluster) where this start called: NovoPizza_55 (Q),

Start 115:

- Found in 1 of 412 (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: REQ3_09 (singleton),

Start 118:

- Found in 104 of 412 (25.2%) of genes in pham
- Manual Annotations of this start: 15 of 367
- Called 15.4% of time when present
- Phage (with cluster) where this start called: Begonia_56 (CV), CheeseSpider_64 (CV), Fairfaxidum_59 (CV), JuJu_64 (CV), KappaFarmDelta_59 (CV), Malachai_56 (CV), Obliviate_54 (CV), PCoral7_58 (CV), Petra_55 (CV), PhrostedPhlake_59 (CV), PrincePatrick_57 (CV), Toast_58 (CV), UmaThurman_55 (CV), William_60 (CV), Wisp_55 (CV), ZiggyZoo_58 (CV),

Start 119:

- Found in 35 of 412 (8.5%) of genes in pham
- Manual Annotations of this start: 32 of 367
- Called 94.3% of time when present
- Phage (with cluster) where this start called: ArchiDore_54 (DW), Archis_60 (CV), Azula_59 (CV), Barco_56 (CV), BatStarr_58 (CZ1), BlingBling_54 (CV), Blino_60 (CV), Blueberry_58 (CV), CaptainKirk2_58 (CV), CarolAnn_59 (CV), Delian_61 (CV),

Eviarto_59 (CZ1), Fenry_56 (CV), Gambino_61 (CV), Guacamole_55 (CV), Hitter_58 (CV), Jalamamah_61 (CV), JasperJr_55 (CV), Melba_56 (CV), MintFen_58 (CV), MissRona_59 (CV), Murp_58 (CV), Nymphadora_59 (CZ1), Pipp_60 (CV), Samba_57 (CV), Soilmate_62 (CV), TimTam_59 (CZ1), Utz_50 (CV), Vasanti_54 (CZ2), Walrus_56 (CV), Wocket_58 (CV), Zarbodnamra_57 (CV), Zilla_56 (CV),

Start 120:

- Found in 1 of 412 (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: Gallop_56 (ES),

Start 124:

- Found in 57 of 412 (13.8%) of genes in pham
- Manual Annotations of this start: 8 of 367
- Called 14.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_66 (Y), Bipper_64 (Y), Cracklewink_63 (Y), Faiyaz_66 (Y), Hilltopfarm_65 (Y), Lysidious_59 (CV), Mellie_56 (CV), Typha_65 (Y),

Start 126:

- Found in 2 of 412 (0.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PFR1_35 (BX), PFR2_37 (BX),

Start 130:

- Found in 1 of 412 (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: phiAsp2_49 (singleton),

Summary by clusters:

There are 44 clusters represented in this pham: DL, CZ2, DD, CZ1, singleton, DZ, DW, FH, UNK, FJ, BX, Z, I1, FL, I3, I2, EP, GL, CQ2, CQ1, AS3, AS2, AS1, AD, P5, AH, AO, N, Q, AR, AO3, AO2, AO1, Y, CP, EQ, CV, ES, KA, DE1, DE2, DE3, DE4, DE5,

Info for manual annotations of cluster AD:

- Start number 107 was manually annotated 2 times for cluster AD.

Info for manual annotations of cluster AH:

- Start number 106 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster AO:

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

Info for manual annotations of cluster AO1:

- Start number 109 was manually annotated 7 times for cluster AO1.

Info for manual annotations of cluster AO2:

- Start number 100 was manually annotated 2 times for cluster AO2.

- Start number 109 was manually annotated 16 times for cluster AO2.

Info for manual annotations of cluster AO3:

- Start number 109 was manually annotated 2 times for cluster AO3.

Info for manual annotations of cluster AR:

- Start number 108 was manually annotated 19 times for cluster AR.

Info for manual annotations of cluster AS1:

- Start number 99 was manually annotated 17 times for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 99 was manually annotated 19 times for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 99 was manually annotated 19 times for cluster AS3.

Info for manual annotations of cluster CP:

- Start number 99 was manually annotated 7 times for cluster CP.

Info for manual annotations of cluster CQ1:

- Start number 90 was manually annotated 7 times for cluster CQ1.
- Start number 92 was manually annotated 8 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 93 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CV:

- Start number 118 was manually annotated 15 times for cluster CV.
- Start number 119 was manually annotated 26 times for cluster CV.
- Start number 124 was manually annotated 2 times for cluster CV.

Info for manual annotations of cluster CZ1:

- Start number 119 was manually annotated 4 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 119 was manually annotated 1 time for cluster CZ2.

Info for manual annotations of cluster DD:

- Start number 94 was manually annotated 3 times for cluster DD.

Info for manual annotations of cluster DE1:

- Start number 32 was manually annotated 1 time for cluster DE1.
- Start number 98 was manually annotated 52 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 95 was manually annotated 9 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 98 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 100 was manually annotated 13 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 88 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DL:

- Start number 99 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DW:

- Start number 119 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DZ:

- Start number 102 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster EP:

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

Info for manual annotations of cluster EQ:

- Start number 112 was manually annotated 2 times for cluster EQ.

Info for manual annotations of cluster FH:

- Start number 99 was manually annotated 7 times for cluster FH.

Info for manual annotations of cluster FJ:

- Start number 99 was manually annotated 2 times for cluster FJ.

Info for manual annotations of cluster FL:

- Start number 106 was manually annotated 1 time for cluster FL.

Info for manual annotations of cluster GL:

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

Info for manual annotations of cluster I1:

- Start number 107 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster I2:

- Start number 107 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster KA:

- Start number 104 was manually annotated 2 times for cluster KA.

Info for manual annotations of cluster N:

- Start number 107 was manually annotated 38 times for cluster N.

Info for manual annotations of cluster P5:

- Start number 107 was manually annotated 1 time for cluster P5.

Info for manual annotations of cluster Q:

- Start number 54 was manually annotated 10 times for cluster Q.
- Start number 79 was manually annotated 1 time for cluster Q.
- Start number 106 was manually annotated 12 times for cluster Q.

- Start number 113 was manually annotated 1 time for cluster Q.

Info for manual annotations of cluster UNK:

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

Info for manual annotations of cluster Y:

- Start number 124 was manually annotated 6 times for cluster Y.

Info for manual annotations of cluster Z:

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

Gene Information:

Gene: 32HC_54 Start: 36687, Stop: 37607, Start Num: 110

Candidate Starts for 32HC_54:

(Start: 110 @36687 has 1 MA's), (Start: 119 @36705 has 32 MA's), (131, 36756), (133, 36762), (148, 36837), (195, 37002), (213, 37050), (215, 37062), (238, 37152), (240, 37155), (263, 37233), (350, 37500), (351, 37503), (366, 37539), (385, 37581),

Gene: APunk_51 Start: 41866, Stop: 43041, Start Num: 100

Candidate Starts for APunk_51:

(Start: 100 @41866 has 15 MA's), (Start: 118 @41905 has 15 MA's), (138, 41998), (140, 42007), (144, 42040), (146, 42046), (154, 42082), (158, 42097), (167, 42130), (169, 42136), (195, 42229), (198, 42238), (242, 42373), (250, 42406), (251, 42409), (256, 42421), (258, 42427), (275, 42490), (281, 42520), (328, 42691), (352, 42766), (374, 42850), (400, 42922), (405, 42928), (424, 43009),

Gene: Abba_35 Start: 27714, Stop: 28745, Start Num: 109

Candidate Starts for Abba_35:

(Start: 109 @27714 has 27 MA's), (139, 27831), (153, 27897), (158, 27915), (165, 27945), (173, 27969), (174, 27975), (190, 28023), (239, 28155), (299, 28317), (305, 28341), (327, 28416), (333, 28437), (369, 28542), (414, 28635), (424, 28701),

Gene: Abblin_50 Start: 42409, Stop: 43563, Start Num: 100

Candidate Starts for Abblin_50:

(Start: 100 @42409 has 15 MA's), (Start: 118 @42448 has 15 MA's), (138, 42541), (140, 42550), (144, 42583), (146, 42589), (154, 42625), (158, 42640), (167, 42673), (169, 42679), (195, 42772), (250, 42928), (256, 42943), (275, 43012), (278, 43024), (281, 43042), (328, 43213), (352, 43288), (374, 43372), (400, 43444), (405, 43450), (424, 43531),

Gene: Abidatro_38 Start: 25301, Stop: 26326, Start Num: 99

Candidate Starts for Abidatro_38:

(Start: 99 @25301 has 77 MA's), (Start: 106 @25316 has 14 MA's), (Start: 118 @25343 has 15 MA's), (143, 25460), (150, 25490), (173, 25586), (176, 25598), (190, 25640), (193, 25652), (197, 25664), (234, 25778), (260, 25865), (261, 25871), (274, 25919), (325, 26090), (342, 26138), (398, 26291),

Gene: Abscondus_87 Start: 53597, Stop: 54637, Start Num: 92

Candidate Starts for Abscondus_87:

(Start: 90 @53594 has 7 MA's), (Start: 92 @53597 has 8 MA's), (139, 53744), (144, 53777), (156, 53828), (181, 53927), (188, 53948), (195, 53972), (235, 54101), (239, 54113), (284, 54239), (307, 54302), (317, 54341), (340, 54410), (344, 54422), (357, 54470), (375, 54503), (382, 54521), (421, 54620),

Gene: AdoptaAdorbs_39 Start: 25001, Stop: 26014, Start Num: 99

Candidate Starts for AdoptaAdorbs_39:

(81, 24977), (Start: 99 @25001 has 77 MA's), (Start: 106 @25016 has 14 MA's), (156, 25205), (165, 25247), (168, 25253), (169, 25262), (190, 25334), (199, 25361), (226, 25442), (229, 25451), (234, 25472), (247, 25520), (298, 25691), (306, 25721), (312, 25748), (325, 25787), (342, 25835), (354, 25880),

Gene: Affeca_46 Start: 40965, Stop: 42128, Start Num: 98

Candidate Starts for Affeca_46:

(Start: 98 @40965 has 60 MA's), (Start: 118 @41004 has 15 MA's), (138, 41097), (144, 41139), (146, 41145), (158, 41196), (167, 41229), (190, 41304), (195, 41325), (242, 41448), (250, 41481), (258, 41502), (278, 41577), (315, 41715), (352, 41829), (361, 41877), (363, 41892), (378, 41952), (405, 42018), (413, 42033), (419, 42051),

Gene: Ailee_45 Start: 40558, Stop: 41721, Start Num: 98

Candidate Starts for Ailee_45:

(Start: 98 @40558 has 60 MA's), (Start: 118 @40597 has 15 MA's), (138, 40690), (144, 40732), (146, 40738), (158, 40789), (167, 40822), (190, 40897), (195, 40918), (242, 41041), (250, 41074), (258, 41095), (278, 41170), (315, 41308), (352, 41422), (361, 41470), (363, 41485), (378, 41545), (405, 41611), (413, 41626), (419, 41644),

Gene: AirForce1_41 Start: 30261, Stop: 31193, Start Num: 106

Candidate Starts for AirForce1_41:

(Start: 106 @30261 has 14 MA's), (127, 30315), (131, 30339), (134, 30348), (136, 30363), (139, 30375), (148, 30420), (151, 30432), (165, 30489), (184, 30543), (186, 30549), (239, 30714), (258, 30750), (276, 30816), (279, 30828), (284, 30840),

Gene: Aleemily_38 Start: 31779, Stop: 32792, Start Num: 102

Candidate Starts for Aleemily_38:

(Start: 102 @31779 has 5 MA's), (127, 31842), (137, 31899), (139, 31905), (148, 31950), (165, 32022), (205, 32142), (213, 32169), (239, 32262), (242, 32268), (249, 32283), (256, 32292), (258, 32298), (317, 32496), (319, 32502), (331, 32538), (356, 32622), (387, 32694), (411, 32748),

Gene: AlexMinion_40 Start: 25167, Stop: 26180, Start Num: 99

Candidate Starts for AlexMinion_40:

(81, 25134), (Start: 99 @25167 has 77 MA's), (Start: 106 @25182 has 14 MA's), (117, 25200), (149, 25341), (156, 25371), (165, 25413), (168, 25419), (190, 25500), (199, 25527), (226, 25608), (229, 25617), (234, 25638), (247, 25686), (298, 25857), (306, 25887), (342, 26001), (354, 26046), (403, 26157),

Gene: Ali17_45 Start: 39857, Stop: 41008, Start Num: 95

Candidate Starts for Ali17_45:

(Start: 95 @39857 has 9 MA's), (129, 39941), (138, 39998), (140, 40007), (144, 40040), (146, 40046), (158, 40094), (169, 40133), (176, 40163), (183, 40181), (184, 40184), (186, 40193), (239, 40343), (242, 40349), (250, 40382), (258, 40403), (275, 40466), (303, 40580), (312, 40622), (315, 40628), (358, 40766), (413, 40910), (424, 40976),

Gene: Altadena_36 Start: 26934, Stop: 28001, Start Num: 99

Candidate Starts for Altadena_36:

(1, 26163), (2, 26193), (3, 26196), (Start: 99 @26934 has 77 MA's), (158, 27156), (163, 27174), (171, 27201), (190, 27264),

Gene: Amanises_40 Start: 26357, Stop: 27385, Start Num: 99

Candidate Starts for Amanises_40:

(76, 26315), (Start: 99 @26357 has 77 MA's), (Start: 106 @26372 has 14 MA's), (144, 26522), (162, 26594), (190, 26696), (234, 26834), (242, 26858), (247, 26882), (258, 26915), (274, 26978), (282, 27005), (298, 27053), (342, 27197),

Gene: Amelia_40 Start: 25064, Stop: 26086, Start Num: 99

Candidate Starts for Amelia_40:

(Start: 99 @25064 has 77 MA's), (Start: 106 @25079 has 14 MA's), (Start: 118 @25106 has 15 MA's), (129, 25142), (144, 25229), (168, 25322), (190, 25403), (199, 25430), (214, 25475), (229, 25523), (234, 25544), (247, 25592), (274, 25688), (282, 25715), (342, 25907), (348, 25928), (354, 25952),

Gene: AmiCi24_39 Start: 24999, Stop: 26012, Start Num: 99

Candidate Starts for AmiCi24_39:

(81, 24975), (Start: 99 @24999 has 77 MA's), (Start: 106 @25014 has 14 MA's), (156, 25203), (165, 25245), (168, 25251), (169, 25260), (190, 25332), (199, 25359), (226, 25440), (229, 25449), (247, 25518), (298, 25689), (306, 25719), (312, 25746), (325, 25785), (342, 25833), (354, 25878),

Gene: Amo99_85 Start: 52756, Stop: 53769, Start Num: 99

Candidate Starts for Amo99_85:

(50, 52594), (67, 52663), (Start: 94 @52747 has 3 MA's), (Start: 99 @52756 has 77 MA's), (149, 52942), (158, 52981), (163, 52999), (190, 53092), (221, 53161), (242, 53242), (252, 53281), (268, 53341), (287, 53377), (289, 53383), (301, 53416), (318, 53482), (337, 53539), (420, 53746),

Gene: Amochick_55 Start: 38924, Stop: 39895, Start Num: 106

Candidate Starts for Amochick_55:

(12, 38531), (15, 38552), (17, 38561), (23, 38654), (34, 38738), (Start: 54 @38804 has 10 MA's), (56, 38813), (Start: 79 @38882 has 1 MA's), (Start: 106 @38924 has 14 MA's), (140, 39035), (144, 39062), (148, 39074), (163, 39131), (178, 39182), (214, 39293), (219, 39311), (227, 39341), (248, 39422), (266, 39488), (272, 39506), (273, 39509), (287, 39551), (322, 39659), (324, 39665), (347, 39734), (351, 39746), (365, 39779), (380, 39818),

Gene: Amphitrite_40 Start: 25000, Stop: 26013, Start Num: 99

Candidate Starts for Amphitrite_40:

(81, 24976), (Start: 99 @25000 has 77 MA's), (Start: 106 @25015 has 14 MA's), (156, 25204), (165, 25246), (168, 25252), (169, 25261), (190, 25333), (199, 25360), (226, 25441), (229, 25450), (234, 25471), (247, 25519), (298, 25690), (306, 25720), (312, 25747), (325, 25786), (342, 25834), (354, 25879),

Gene: Amymech_55 Start: 38900, Stop: 39871, Start Num: 106

Candidate Starts for Amymech_55:

(12, 38507), (17, 38537), (23, 38630), (34, 38714), (Start: 54 @38780 has 10 MA's), (56, 38789), (Start: 79 @38858 has 1 MA's), (Start: 106 @38900 has 14 MA's), (140, 39011), (144, 39038), (148, 39050), (163, 39107), (178, 39158), (214, 39269), (227, 39317), (248, 39398), (266, 39464), (272, 39482), (273, 39485), (287, 39527), (324, 39641), (347, 39710), (351, 39722), (365, 39755), (380, 39794),

Gene: Andies_44 Start: 31627, Stop: 32637, Start Num: 107

Candidate Starts for Andies_44:

(Start: 107 @31627 has 44 MA's), (138, 31741), (140, 31750), (144, 31777), (158, 31828), (159, 31831), (177, 31897), (186, 31924), (230, 32032), (234, 32050), (239, 32068), (320, 32317), (350, 32407), (353, 32419), (377, 32467), (413, 32548),

Gene: Andrew_41 Start: 24893, Stop: 25906, Start Num: 99

Candidate Starts for Andrew_41:

(81, 24869), (Start: 99 @24893 has 77 MA's), (Start: 106 @24908 has 14 MA's), (156, 25097), (165, 25139), (168, 25145), (190, 25226), (199, 25253), (226, 25334), (229, 25343), (234, 25364), (242, 25388), (247, 25412), (306, 25613), (325, 25679), (342, 25727), (354, 25772), (403, 25883),

Gene: Angelicage_46 Start: 41383, Stop: 42546, Start Num: 98

Candidate Starts for Angelicage_46:

(Start: 98 @41383 has 60 MA's), (Start: 118 @41422 has 15 MA's), (138, 41515), (144, 41557), (146, 41563), (158, 41614), (167, 41647), (190, 41722), (195, 41743), (242, 41866), (250, 41899), (258, 41920), (278, 41995), (315, 42133), (352, 42247), (361, 42295), (363, 42310), (378, 42370), (405, 42436), (413, 42451), (419, 42469),

Gene: Antrice_43 Start: 26254, Stop: 27282, Start Num: 99

Candidate Starts for Antrice_43:

(75, 26218), (Start: 99 @26254 has 77 MA's), (Start: 106 @26269 has 14 MA's), (Start: 118 @26296 has 15 MA's), (143, 26419), (156, 26470), (168, 26518), (190, 26599), (193, 26611), (199, 26626), (210, 26653), (229, 26719), (244, 26773), (245, 26782), (247, 26788), (261, 26836), (288, 26929), (313, 27019), (342, 27103), (348, 27124), (354, 27148),

Gene: Aphelion_87 Start: 54219, Stop: 55259, Start Num: 92

Candidate Starts for Aphelion_87:

(Start: 90 @54216 has 7 MA's), (Start: 92 @54219 has 8 MA's), (139, 54366), (144, 54399), (156, 54450), (181, 54549), (188, 54570), (195, 54594), (235, 54723), (239, 54735), (284, 54861), (307, 54924), (317, 54963), (340, 55032), (344, 55044), (357, 55092), (375, 55125), (401, 55194), (421, 55242),

Gene: ArV1_039 Start: 34906, Stop: 35859, Start Num: 108

Candidate Starts for ArV1_039:

(Start: 108 @34906 has 20 MA's), (131, 34981), (139, 35017), (144, 35050), (148, 35062), (172, 35155), (184, 35185), (186, 35191), (199, 35236), (204, 35245), (211, 35269), (229, 35329), (239, 35365), (254, 35404), (258, 35416), (273, 35473), (284, 35506), (319, 35620), (341, 35686), (351, 35719), (371, 35770), (393, 35833), (396, 35842),

Gene: ArchiDore_54 Start: 40092, Stop: 41021, Start Num: 119

Candidate Starts for ArchiDore_54:

(7, 39528), (8, 39531), (Start: 32 @39831 has 1 MA's), (35, 39846), (40, 39861), (41, 39867), (46, 39885), (60, 39939), (62, 39963), (82, 40029), (84, 40035), (Start: 119 @40092 has 32 MA's), (Start: 124 @40107 has 8 MA's), (133, 40149), (134, 40152), (140, 40185), (144, 40212), (148, 40224), (214, 40449), (229, 40500), (235, 40524), (258, 40578), (276, 40644), (283, 40665), (307, 40734), (309, 40743), (351, 40875),

Gene: Archis_60 Start: 37454, Stop: 38383, Start Num: 119

Candidate Starts for Archis_60:

(Start: 119 @37454 has 32 MA's), (Start: 124 @37469 has 8 MA's), (134, 37514), (140, 37547), (144, 37574), (148, 37586), (214, 37811), (229, 37862), (235, 37886), (258, 37940), (276, 38006), (283, 38027), (302, 38078), (309, 38105), (318, 38135), (351, 38237),

Gene: Ashertheman_48 Start: 41154, Stop: 42287, Start Num: 98

Candidate Starts for Ashertheman_48:

(69, 41085), (Start: 98 @41154 has 60 MA's), (Start: 118 @41199 has 15 MA's), (138, 41292), (144, 41334), (146, 41340), (158, 41391), (167, 41424), (169, 41430), (195, 41520), (242, 41643), (250, 41676), (278, 41772), (315, 41910), (352, 42024), (358, 42051), (378, 42111), (405, 42177), (419,

42210),

Gene: Atlantica_40 Start: 25001, Stop: 26014, Start Num: 99

Candidate Starts for Atlantica_40:

(81, 24977), (Start: 99 @25001 has 77 MA's), (Start: 106 @25016 has 14 MA's), (156, 25205), (165, 25247), (168, 25253), (169, 25262), (190, 25334), (199, 25361), (226, 25442), (229, 25451), (234, 25472), (247, 25520), (298, 25691), (306, 25721), (312, 25748), (325, 25787), (342, 25835), (354, 25880),

Gene: AuntGwenStacy_66 Start: 45547, Stop: 46461, Start Num: 124

Candidate Starts for AuntGwenStacy_66:

(42, 45319), (60, 45385), (64, 45412), (78, 45466), (Start: 124 @45547 has 8 MA's), (144, 45652), (148, 45664), (150, 45676), (213, 45877), (233, 45949), (239, 45970), (242, 45976), (257, 46009), (258, 46012), (272, 46066), (302, 46147), (307, 46165), (351, 46306), (357, 46330),

Gene: Azaz_40 Start: 25073, Stop: 26086, Start Num: 99

Candidate Starts for Azaz_40:

(81, 25049), (Start: 99 @25073 has 77 MA's), (Start: 106 @25088 has 14 MA's), (117, 25106), (150, 25256), (156, 25277), (165, 25319), (190, 25406), (199, 25433), (226, 25514), (229, 25523), (234, 25544), (247, 25592), (298, 25763), (306, 25793), (312, 25820), (325, 25859), (342, 25907), (354, 25952),

Gene: Azula_59 Start: 39736, Stop: 40665, Start Num: 119

Candidate Starts for Azula_59:

(Start: 119 @39736 has 32 MA's), (Start: 124 @39751 has 8 MA's), (134, 39796), (144, 39856), (148, 39868), (184, 40003), (214, 40093), (229, 40144), (235, 40168), (237, 40171), (258, 40222), (276, 40288), (283, 40309), (302, 40360), (307, 40378), (351, 40519), (370, 40564), (386, 40603), (404, 40642),

Gene: BabeRuth_52 Start: 33348, Stop: 34358, Start Num: 107

Candidate Starts for BabeRuth_52:

(Start: 107 @33348 has 44 MA's), (138, 33462), (140, 33471), (144, 33498), (158, 33549), (159, 33552), (177, 33618), (186, 33645), (230, 33753), (234, 33771), (239, 33789), (320, 34038), (350, 34128), (353, 34140), (377, 34188), (413, 34269),

Gene: Babushka_37 Start: 24932, Stop: 25945, Start Num: 99

Candidate Starts for Babushka_37:

(81, 24899), (Start: 99 @24932 has 77 MA's), (Start: 106 @24947 has 14 MA's), (149, 25106), (156, 25136), (165, 25178), (168, 25184), (169, 25193), (190, 25265), (199, 25292), (226, 25373), (229, 25382), (234, 25403), (298, 25622), (306, 25652), (342, 25766), (354, 25811), (393, 25904), (396, 25913),

Gene: Bachita_89 Start: 54642, Stop: 55685, Start Num: 90

Candidate Starts for Bachita_89:

(Start: 90 @54642 has 7 MA's), (Start: 92 @54645 has 8 MA's), (139, 54792), (144, 54825), (156, 54876), (181, 54975), (188, 54996), (195, 55020), (235, 55149), (239, 55161), (256, 55191), (284, 55287), (287, 55296), (307, 55350), (317, 55389), (340, 55458), (357, 55518), (375, 55551), (382, 55569), (421, 55668),

Gene: BadWillHunting_47 Start: 25543, Stop: 26565, Start Num: 99

Candidate Starts for BadWillHunting_47:

(Start: 99 @25543 has 77 MA's), (Start: 106 @25558 has 14 MA's), (Start: 118 @25585 has 15 MA's), (129, 25621), (144, 25708), (168, 25801), (190, 25882), (199, 25909), (214, 25954), (229, 26002),

(234, 26023), (247, 26071), (274, 26167), (282, 26194), (342, 26386), (348, 26407), (354, 26431),

Gene: Baddon_47 Start: 41688, Stop: 42815, Start Num: 98

Candidate Starts for Baddon_47:

(69, 41619), (Start: 98 @41688 has 60 MA's), (Start: 118 @41727 has 15 MA's), (138, 41820), (144, 41862), (146, 41868), (158, 41919), (169, 41958), (195, 42048), (230, 42129), (250, 42204), (258, 42225), (266, 42258), (275, 42288), (278, 42300), (315, 42438), (352, 42552), (358, 42579), (378, 42639), (405, 42705), (419, 42738),

Gene: Bantam_95 Start: 64152, Stop: 63124, Start Num: 99

Candidate Starts for Bantam_95:

(Start: 99 @64152 has 77 MA's), (156, 63930), (183, 63825), (194, 63783), (202, 63762), (218, 63708), (236, 63642), (242, 63627), (243, 63624), (244, 63618), (258, 63597), (264, 63570), (275, 63534), (284, 63507), (302, 63462), (311, 63423), (328, 63372), (330, 63363), (344, 63324), (347, 63312), (370, 63246),

Gene: Barco_56 Start: 37010, Stop: 37939, Start Num: 119

Candidate Starts for Barco_56:

(85, 36959), (Start: 92 @36971 has 8 MA's), (Start: 119 @37010 has 32 MA's), (Start: 124 @37025 has 8 MA's), (133, 37067), (134, 37070), (144, 37130), (148, 37142), (214, 37367), (229, 37418), (235, 37442), (258, 37496), (262, 37514), (276, 37562), (283, 37583), (302, 37634), (309, 37661), (318, 37691), (351, 37793),

Gene: BarretLemon_34 Start: 28805, Stop: 29824, Start Num: 109

Candidate Starts for BarretLemon_34:

(Start: 109 @28805 has 27 MA's), (139, 28922), (158, 29006), (161, 29018), (165, 29036), (175, 29072), (239, 29246), (242, 29252), (259, 29309), (268, 29348), (287, 29384), (292, 29396), (299, 29408), (377, 29651), (423, 29771),

Gene: Barsten_49 Start: 41538, Stop: 42665, Start Num: 98

Candidate Starts for Barsten_49:

(Start: 98 @41538 has 60 MA's), (Start: 118 @41577 has 15 MA's), (138, 41670), (144, 41712), (146, 41718), (158, 41769), (167, 41802), (190, 41877), (195, 41898), (230, 41979), (242, 42021), (250, 42054), (258, 42075), (278, 42150), (315, 42288), (352, 42402), (358, 42429), (378, 42489), (405, 42555), (413, 42570), (419, 42588),

Gene: Basilisk_38 Start: 25812, Stop: 26840, Start Num: 99

Candidate Starts for Basilisk_38:

(76, 25779), (Start: 99 @25812 has 77 MA's), (Start: 106 @25827 has 14 MA's), (144, 25977), (162, 26049), (168, 26070), (190, 26151), (197, 26175), (242, 26313), (247, 26337), (258, 26370), (297, 26505), (342, 26652),

Gene: BatStarr_58 Start: 41291, Stop: 42220, Start Num: 119

Candidate Starts for BatStarr_58:

(40, 41057), (41, 41063), (46, 41081), (60, 41135), (62, 41159), (83, 41231), (85, 41234), (86, 41237), (Start: 119 @41291 has 32 MA's), (Start: 124 @41306 has 8 MA's), (133, 41348), (134, 41351), (144, 41411), (148, 41423), (214, 41648), (229, 41699), (235, 41723), (258, 41777), (262, 41795), (276, 41843), (283, 41864), (302, 41915), (307, 41933), (309, 41942), (351, 42074),

Gene: Baumdotcom_46 Start: 40560, Stop: 41684, Start Num: 98

Candidate Starts for Baumdotcom_46:

(69, 40491), (Start: 98 @40560 has 60 MA's), (Start: 118 @40596 has 15 MA's), (138, 40689), (144, 40731), (146, 40737), (158, 40788), (169, 40827), (195, 40917), (250, 41073), (258, 41094), (266,

41127), (278, 41169), (315, 41307), (352, 41421), (358, 41448), (378, 41508), (405, 41574), (419, 41607),

Gene: Beans_32 Start: 28492, Stop: 29520, Start Num: 109

Candidate Starts for Beans_32:

(Start: 109 @28492 has 27 MA's), (139, 28609), (153, 28675), (158, 28693), (165, 28723), (239, 28933), (259, 28996), (287, 29071), (292, 29083), (299, 29095), (347, 29260), (377, 29338),

Gene: Bedetta_45 Start: 25211, Stop: 26233, Start Num: 99

Candidate Starts for Bedetta_45:

(Start: 99 @25211 has 77 MA's), (Start: 106 @25226 has 14 MA's), (Start: 118 @25253 has 15 MA's), (129, 25289), (144, 25376), (168, 25469), (190, 25550), (199, 25577), (214, 25622), (229, 25670), (234, 25691), (247, 25739), (274, 25835), (282, 25862), (342, 26054), (348, 26075), (354, 26099),

Gene: Begonia_56 Start: 39249, Stop: 40178, Start Num: 118

Candidate Starts for Begonia_56:

(49, 39057), (60, 39099), (62, 39123), (83, 39195), (Start: 118 @39249 has 15 MA's), (Start: 124 @39264 has 8 MA's), (133, 39306), (134, 39309), (144, 39369), (148, 39381), (214, 39606), (229, 39657), (235, 39681), (258, 39735), (276, 39801), (283, 39822), (302, 39873), (309, 39900), (318, 39930), (351, 40032),

Gene: Belphegor_48 Start: 41897, Stop: 43045, Start Num: 95

Candidate Starts for Belphegor_48:

(70, 41861), (Start: 95 @41897 has 9 MA's), (129, 41978), (140, 42044), (144, 42077), (146, 42083), (158, 42131), (163, 42149), (167, 42164), (169, 42170), (176, 42200), (183, 42218), (184, 42221), (195, 42263), (239, 42380), (242, 42386), (250, 42419), (258, 42440), (303, 42617), (312, 42659), (315, 42665), (400, 42926), (405, 42932), (424, 43013),

Gene: Bible12_44 Start: 25059, Stop: 26081, Start Num: 99

Candidate Starts for Bible12_44:

(Start: 99 @25059 has 77 MA's), (Start: 106 @25074 has 14 MA's), (Start: 118 @25101 has 15 MA's), (129, 25137), (144, 25224), (168, 25317), (190, 25398), (199, 25425), (214, 25470), (229, 25518), (234, 25539), (247, 25587), (274, 25683), (282, 25710), (342, 25902), (348, 25923), (354, 25947),

Gene: Bibwit_46 Start: 40244, Stop: 41377, Start Num: 98

Candidate Starts for Bibwit_46:

(10, 39749), (69, 40175), (Start: 98 @40244 has 60 MA's), (138, 40382), (144, 40424), (146, 40430), (158, 40481), (167, 40514), (169, 40520), (195, 40610), (250, 40766), (258, 40787), (278, 40862), (315, 41000), (352, 41114), (358, 41141), (374, 41189), (378, 41201), (405, 41267), (413, 41282), (419, 41300),

Gene: BigDome_34 Start: 28797, Stop: 29816, Start Num: 109

Candidate Starts for BigDome_34:

(Start: 109 @28797 has 27 MA's), (139, 28914), (158, 28998), (161, 29010), (165, 29028), (175, 29064), (239, 29238), (242, 29244), (259, 29301), (268, 29340), (287, 29376), (292, 29388), (299, 29400), (377, 29643), (423, 29763),

Gene: BigHunkinEater_53 Start: 41644, Stop: 42819, Start Num: 100

Candidate Starts for BigHunkinEater_53:

(Start: 100 @41644 has 15 MA's), (Start: 118 @41683 has 15 MA's), (138, 41776), (140, 41785), (144, 41818), (146, 41824), (158, 41875), (167, 41908), (169, 41914), (195, 42007), (198, 42016), (242, 42151), (250, 42184), (256, 42199), (275, 42268), (281, 42298), (328, 42469), (352, 42544), (374, 42628), (400, 42700), (405, 42706), (413, 42721), (424, 42787),

Gene: Bipper_64 Start: 44977, Stop: 45906, Start Num: 124

Candidate Starts for Bipper_64:

(Start: 124 @44977 has 8 MA's), (136, 45037), (144, 45082), (148, 45094), (150, 45106), (160, 45139), (186, 45226), (196, 45262), (212, 45304), (213, 45307), (233, 45379), (239, 45400), (241, 45403), (261, 45463), (272, 45502), (302, 45583), (307, 45601), (320, 45652), (336, 45700), (347, 45733), (351, 45745), (356, 45766), (370, 45799), (384, 45832), (406, 45886),

Gene: Bizzy_48 Start: 40845, Stop: 41972, Start Num: 98

Candidate Starts for Bizzy_48:

(69, 40776), (Start: 98 @40845 has 60 MA's), (Start: 118 @40884 has 15 MA's), (138, 40977), (144, 41019), (146, 41025), (158, 41076), (169, 41115), (195, 41205), (230, 41286), (250, 41361), (258, 41382), (266, 41415), (278, 41457), (315, 41595), (352, 41709), (358, 41736), (378, 41796), (405, 41862), (419, 41895),

Gene: BlingBling_54 Start: 37467, Stop: 38396, Start Num: 119

Candidate Starts for BlingBling_54:

(Start: 119 @37467 has 32 MA's), (Start: 124 @37482 has 8 MA's), (134, 37527), (140, 37560), (144, 37587), (148, 37599), (214, 37824), (235, 37899), (258, 37953), (276, 38019), (283, 38040), (302, 38091), (309, 38118), (318, 38148), (351, 38250),

Gene: Blino_60 Start: 42431, Stop: 43360, Start Num: 119

Candidate Starts for Blino_60:

(59, 42269), (69, 42317), (76, 42350), (Start: 119 @42431 has 32 MA's), (Start: 124 @42446 has 8 MA's), (133, 42488), (134, 42491), (140, 42524), (144, 42551), (148, 42563), (214, 42788), (229, 42839), (235, 42863), (258, 42917), (262, 42935), (276, 42983), (283, 43004), (302, 43055), (309, 43082), (351, 43214),

Gene: BloominB_54 Start: 38900, Stop: 39871, Start Num: 106

Candidate Starts for BloominB_54:

(12, 38507), (17, 38537), (23, 38630), (34, 38714), (Start: 54 @38780 has 10 MA's), (56, 38789), (Start: 79 @38858 has 1 MA's), (Start: 106 @38900 has 14 MA's), (140, 39011), (144, 39038), (148, 39050), (163, 39107), (178, 39158), (214, 39269), (227, 39317), (248, 39398), (266, 39464), (272, 39482), (273, 39485), (287, 39527), (324, 39641), (347, 39710), (351, 39722), (365, 39755), (380, 39794),

Gene: Blueberry_58 Start: 39736, Stop: 40665, Start Num: 119

Candidate Starts for Blueberry_58:

(Start: 119 @39736 has 32 MA's), (Start: 124 @39751 has 8 MA's), (134, 39796), (144, 39856), (148, 39868), (184, 40003), (214, 40093), (229, 40144), (235, 40168), (237, 40171), (258, 40222), (276, 40288), (283, 40309), (302, 40360), (307, 40378), (351, 40519), (370, 40564), (386, 40603), (404, 40642),

Gene: Bluvara_52 Start: 37027, Stop: 38037, Start Num: 107

Candidate Starts for Bluvara_52:

(Start: 107 @37027 has 44 MA's), (138, 37141), (140, 37150), (144, 37177), (158, 37228), (159, 37231), (164, 37255), (170, 37270), (199, 37363), (213, 37381), (230, 37432), (235, 37456), (239, 37468), (242, 37474), (247, 37498), (251, 37510), (320, 37717), (328, 37738), (350, 37807), (353, 37819), (413, 37948),

Gene: BobBob_46 Start: 40656, Stop: 41780, Start Num: 98

Candidate Starts for BobBob_46:

(74, 40617), (Start: 98 @40656 has 60 MA's), (Start: 118 @40692 has 15 MA's), (138, 40785), (144, 40827), (146, 40833), (158, 40884), (167, 40917), (190, 40992), (195, 41013), (242, 41136), (250, 41169), (258, 41190), (278, 41265), (315, 41403), (352, 41517), (358, 41544), (378, 41604), (405, 41670), (413, 41685), (419, 41703),

Gene: Bolt007_37 Start: 29435, Stop: 30487, Start Num: 99

Candidate Starts for Bolt007_37:

(Start: 99 @29435 has 77 MA's), (158, 29645), (163, 29663), (190, 29753), (315, 30122),

Gene: Bosection6_45 Start: 31093, Stop: 32103, Start Num: 107

Candidate Starts for Bosection6_45:

(Start: 107 @31093 has 44 MA's), (132, 31168), (138, 31207), (140, 31216), (144, 31243), (158, 31294), (159, 31297), (164, 31321), (213, 31447), (230, 31498), (235, 31522), (239, 31534), (247, 31564), (312, 31756), (315, 31765), (320, 31783), (350, 31873), (353, 31885), (377, 31933), (413, 32014),

Gene: BossLady_34 Start: 28774, Stop: 29793, Start Num: 109

Candidate Starts for BossLady_34:

(Start: 109 @28774 has 27 MA's), (158, 28975), (161, 28987), (165, 29005), (174, 29035), (175, 29041), (239, 29215), (242, 29221), (259, 29278), (287, 29353), (299, 29377), (300, 29386), (321, 29464), (345, 29536), (347, 29542), (419, 29719),

Gene: Bran_40 Start: 30480, Stop: 31427, Start Num: 109

Candidate Starts for Bran_40:

(65, 30363), (66, 30366), (80, 30420), (Start: 109 @30480 has 27 MA's), (144, 30621), (147, 30630), (156, 30663), (163, 30693), (184, 30759), (185, 30765), (203, 30813), (206, 30822), (217, 30861), (220, 30876), (230, 30918), (231, 30924), (239, 30954), (255, 30987), (266, 31032), (269, 31041), (320, 31185), (365, 31311), (392, 31383), (397, 31398), (409, 31416),

Gene: Brandonk123_50 Start: 41790, Stop: 42914, Start Num: 98

Candidate Starts for Brandonk123_50:

(74, 41751), (Start: 98 @41790 has 60 MA's), (Start: 118 @41826 has 15 MA's), (138, 41919), (144, 41961), (146, 41967), (158, 42018), (167, 42051), (190, 42126), (195, 42147), (242, 42270), (250, 42303), (258, 42324), (278, 42399), (315, 42537), (352, 42651), (358, 42678), (378, 42738), (405, 42804), (413, 42819), (419, 42837),

Gene: Brawn1_45 Start: 40865, Stop: 42028, Start Num: 98

Candidate Starts for Brawn1_45:

(Start: 98 @40865 has 60 MA's), (Start: 118 @40904 has 15 MA's), (138, 40997), (144, 41039), (146, 41045), (158, 41096), (167, 41129), (190, 41204), (195, 41225), (230, 41306), (242, 41348), (250, 41381), (258, 41402), (278, 41477), (315, 41615), (352, 41729), (361, 41777), (363, 41792), (378, 41852), (405, 41918), (413, 41933), (419, 41951),

Gene: Brent_32 Start: 28455, Stop: 29483, Start Num: 109

Candidate Starts for Brent_32:

(Start: 109 @28455 has 27 MA's), (153, 28638), (158, 28656), (165, 28686), (171, 28701), (235, 28884), (239, 28896), (287, 29034), (292, 29046), (299, 29058), (321, 29145), (347, 29223), (359, 29265), (372, 29289), (377, 29301),

Gene: Brujita_48 Start: 33774, Stop: 34781, Start Num: 107

Candidate Starts for Brujita_48:

(63, 33654), (Start: 107 @33774 has 44 MA's), (138, 33885), (140, 33894), (144, 33921), (158, 33972), (159, 33975), (174, 34032), (177, 34041), (213, 34125), (230, 34176), (235, 34200), (239, 34212),

(315, 34443), (320, 34461), (328, 34482), (332, 34497), (350, 34551), (351, 34554), (353, 34563), (358, 34581), (377, 34611), (413, 34692),

Gene: BrutonGaster_71 Start: 49921, Stop: 50958, Start Num: 93

Candidate Starts for BrutonGaster_71:

(Start: 93 @49921 has 2 MA's), (156, 50146), (162, 50173), (235, 50416), (239, 50428), (277, 50533), (284, 50554), (307, 50617), (354, 50776), (375, 50818), (389, 50854), (395, 50878), (401, 50887), (421, 50935),

Gene: Brynnie_37 Start: 25690, Stop: 26718, Start Num: 99

Candidate Starts for Brynnie_37:

(76, 25657), (Start: 99 @25690 has 77 MA's), (Start: 106 @25705 has 14 MA's), (144, 25855), (162, 25927), (165, 25942), (168, 25948), (190, 26029), (197, 26053), (242, 26191), (258, 26248), (274, 26311), (297, 26383), (342, 26530),

Gene: Bubbykins_54 Start: 41419, Stop: 42384, Start Num: 108

Candidate Starts for Bubbykins_54:

(Start: 79 @41359 has 1 MA's), (Start: 108 @41419 has 20 MA's), (139, 41530), (144, 41563), (148, 41575), (165, 41647), (184, 41707), (186, 41713), (187, 41719), (209, 41785), (239, 41887), (247, 41917), (266, 41974), (270, 41986), (273, 41995), (284, 42028), (290, 42046), (299, 42070), (302, 42082), (309, 42109), (317, 42136), (381, 42319), (383, 42322),

Gene: Bumble_34 Start: 26999, Stop: 28066, Start Num: 99

Candidate Starts for Bumble_34:

(Start: 92 @26987 has 8 MA's), (Start: 99 @26999 has 77 MA's), (158, 27221), (163, 27239), (190, 27329),

Gene: Butters_50 Start: 33050, Stop: 34057, Start Num: 107

Candidate Starts for Butters_50:

(34, 32807), (38, 32819), (55, 32885), (63, 32930), (Start: 107 @33050 has 44 MA's), (138, 33161), (140, 33170), (144, 33197), (158, 33248), (159, 33251), (174, 33308), (177, 33317), (213, 33401), (230, 33452), (235, 33476), (239, 33488), (315, 33719), (320, 33737), (328, 33758), (332, 33773), (350, 33827), (351, 33830), (353, 33839), (358, 33857), (377, 33887), (413, 33968),

Gene: Cafasso_39 Start: 32353, Stop: 33366, Start Num: 102

Candidate Starts for Cafasso_39:

(Start: 102 @32353 has 5 MA's), (127, 32416), (137, 32473), (139, 32479), (148, 32524), (165, 32596), (205, 32716), (213, 32743), (239, 32836), (242, 32842), (249, 32857), (256, 32866), (258, 32872), (317, 33070), (319, 33076), (331, 33112), (356, 33196), (387, 33268), (411, 33322),

Gene: CalWood4100_39 Start: 28926, Stop: 29978, Start Num: 99

Candidate Starts for CalWood4100_39:

(Start: 99 @28926 has 77 MA's), (158, 29136), (163, 29154), (190, 29244), (267, 29481), (268, 29484),

Gene: Camara_40 Start: 25003, Stop: 26016, Start Num: 99

Candidate Starts for Camara_40:

(81, 24979), (Start: 99 @25003 has 77 MA's), (Start: 106 @25018 has 14 MA's), (156, 25207), (165, 25249), (168, 25255), (169, 25264), (190, 25336), (199, 25363), (226, 25444), (229, 25453), (234, 25474), (247, 25522), (298, 25693), (306, 25723), (312, 25750), (325, 25789), (342, 25837), (354, 25882),

Gene: CaptainKirk2_58 Start: 37249, Stop: 38178, Start Num: 119

Candidate Starts for CaptainKirk2_58:

(4, 36475), (33, 37000), (60, 37099), (85, 37198), (Start: 92 @37210 has 8 MA's), (Start: 119 @37249 has 32 MA's), (Start: 124 @37264 has 8 MA's), (134, 37309), (144, 37369), (148, 37381), (214, 37606), (229, 37657), (235, 37681), (258, 37735), (276, 37801), (283, 37822), (302, 37873), (309, 37900), (318, 37930), (351, 38032),

Gene: Carcharodon_47 Start: 32442, Stop: 33452, Start Num: 107

Candidate Starts for Carcharodon_47:

(Start: 107 @32442 has 44 MA's), (132, 32517), (138, 32556), (140, 32565), (144, 32592), (158, 32643), (159, 32646), (164, 32670), (213, 32796), (230, 32847), (235, 32871), (239, 32883), (247, 32913), (312, 33105), (315, 33114), (320, 33132), (334, 33174), (350, 33222), (353, 33234), (413, 33363),

Gene: Cardigan_99 Start: 59943, Stop: 60962, Start Num: 94

Candidate Starts for Cardigan_99:

(Start: 94 @59943 has 3 MA's), (121, 59997), (122, 60000), (162, 60195), (188, 60288), (194, 60309), (195, 60312), (264, 60513), (266, 60522), (273, 60543), (307, 60639), (315, 60672), (324, 60702), (338, 60744), (344, 60759), (351, 60783), (355, 60801), (375, 60837), (389, 60873),

Gene: CarolAnn_59 Start: 42430, Stop: 43359, Start Num: 119

Candidate Starts for CarolAnn_59:

(59, 42268), (69, 42316), (76, 42349), (Start: 119 @42430 has 32 MA's), (Start: 124 @42445 has 8 MA's), (133, 42487), (134, 42490), (140, 42523), (144, 42550), (148, 42562), (214, 42787), (229, 42838), (235, 42862), (258, 42916), (262, 42934), (276, 42982), (283, 43003), (302, 43054), (309, 43081), (351, 43213),

Gene: ChadMasterC_49 Start: 42937, Stop: 44064, Start Num: 98

Candidate Starts for ChadMasterC_49:

(Start: 98 @42937 has 60 MA's), (Start: 118 @42976 has 15 MA's), (138, 43069), (144, 43111), (146, 43117), (158, 43168), (167, 43201), (190, 43276), (195, 43297), (242, 43420), (250, 43453), (258, 43474), (278, 43549), (315, 43687), (352, 43801), (378, 43888), (405, 43954), (413, 43969), (419, 43987),

Gene: Charming_49 Start: 41293, Stop: 42420, Start Num: 98

Candidate Starts for Charming_49:

(Start: 98 @41293 has 60 MA's), (Start: 118 @41332 has 15 MA's), (138, 41425), (144, 41467), (146, 41473), (158, 41524), (167, 41557), (190, 41632), (195, 41653), (242, 41776), (250, 41809), (258, 41830), (278, 41905), (315, 42043), (352, 42157), (358, 42184), (378, 42244), (405, 42310), (413, 42325), (419, 42343),

Gene: CheeseSpider_64 Start: 38516, Stop: 39445, Start Num: 118

Candidate Starts for CheeseSpider_64:

(Start: 32 @38249 has 1 MA's), (35, 38264), (41, 38285), (46, 38303), (60, 38357), (Start: 118 @38516 has 15 MA's), (Start: 124 @38531 has 8 MA's), (134, 38576), (140, 38609), (144, 38636), (148, 38648), (184, 38783), (214, 38873), (229, 38924), (235, 38948), (237, 38951), (258, 39002), (276, 39068), (283, 39089), (302, 39140), (351, 39299), (370, 39344),

Gene: Chewbacca_49 Start: 32442, Stop: 33452, Start Num: 107

Candidate Starts for Chewbacca_49:

(Start: 107 @32442 has 44 MA's), (132, 32517), (138, 32556), (140, 32565), (144, 32592), (158, 32643), (159, 32646), (164, 32670), (213, 32796), (230, 32847), (235, 32871), (239, 32883), (247, 32913), (312, 33105), (315, 33114), (320, 33132), (334, 33174), (350, 33222), (353, 33234), (413, 33363),

Gene: Chickaboom_39 Start: 25312, Stop: 26337, Start Num: 99

Candidate Starts for Chickaboom_39:

(76, 25279), (Start: 99 @25312 has 77 MA's), (Start: 106 @25327 has 14 MA's), (144, 25477), (150, 25501), (173, 25597), (176, 25609), (190, 25651), (193, 25663), (260, 25876), (274, 25930), (342, 26149), (398, 26302),

Gene: Chickadee_45 Start: 37929, Stop: 39083, Start Num: 98

Candidate Starts for Chickadee_45:

(Start: 98 @37929 has 60 MA's), (138, 38058), (144, 38100), (146, 38106), (158, 38157), (195, 38286), (199, 38292), (230, 38370), (242, 38412), (250, 38445), (258, 38466), (312, 38685), (328, 38730), (335, 38754), (344, 38778), (358, 38829), (378, 38898), (383, 38910), (394, 38949), (400, 38958), (405, 38964), (413, 38979), (416, 38988), (424, 39045),

Gene: Chicken_37 Start: 25652, Stop: 26680, Start Num: 99

Candidate Starts for Chicken_37:

(76, 25619), (Start: 99 @25652 has 77 MA's), (Start: 106 @25667 has 14 MA's), (144, 25817), (162, 25889), (165, 25904), (168, 25910), (183, 25967), (190, 25991), (195, 26012), (234, 26129), (244, 26162), (258, 26210), (274, 26273), (282, 26300), (298, 26348), (342, 26492),

Gene: Chipper1996_460 Start: 36472, Stop: 37425, Start Num: 108

Candidate Starts for Chipper1996_460:

(Start: 108 @36472 has 20 MA's), (139, 36583), (144, 36616), (148, 36628), (172, 36721), (179, 36739), (184, 36751), (186, 36757), (199, 36802), (208, 36823), (211, 36835), (229, 36895), (231, 36901), (239, 36931), (254, 36970), (258, 36982), (273, 37039), (284, 37072), (317, 37180), (341, 37252), (351, 37285), (371, 37336), (393, 37399), (396, 37408),

Gene: Chocolat_46 Start: 36464, Stop: 37417, Start Num: 108

Candidate Starts for Chocolat_46:

(Start: 108 @36464 has 20 MA's), (139, 36575), (144, 36608), (148, 36620), (172, 36713), (179, 36731), (184, 36743), (186, 36749), (199, 36794), (208, 36815), (211, 36827), (229, 36887), (239, 36923), (254, 36962), (258, 36974), (273, 37031), (284, 37064), (299, 37106), (317, 37172), (319, 37178), (341, 37244), (351, 37277), (371, 37328), (396, 37400),

Gene: Chubster_46 Start: 36384, Stop: 37337, Start Num: 108

Candidate Starts for Chubster_46:

(Start: 108 @36384 has 20 MA's), (139, 36495), (144, 36528), (148, 36540), (172, 36633), (179, 36651), (184, 36663), (186, 36669), (199, 36714), (208, 36735), (211, 36747), (229, 36807), (231, 36813), (239, 36843), (254, 36882), (258, 36894), (273, 36951), (284, 36984), (299, 37026), (317, 37092), (319, 37098), (341, 37164), (351, 37197), (371, 37248), (396, 37320),

Gene: Circuit_34 Start: 27961, Stop: 29031, Start Num: 99

Candidate Starts for Circuit_34:

(Start: 92 @27946 has 8 MA's), (Start: 99 @27961 has 77 MA's), (158, 28186), (163, 28204), (190, 28294),

Gene: Clawz_83 Start: 52842, Stop: 53858, Start Num: 99

Candidate Starts for Clawz_83:

(16, 52431), (37, 52623), (50, 52680), (67, 52749), (Start: 94 @52833 has 3 MA's), (Start: 99 @52842 has 77 MA's), (149, 53031), (158, 53070), (163, 53088), (190, 53181), (241, 53328), (268, 53430), (287, 53466), (311, 53550), (337, 53628), (341, 53637), (353, 53679), (420, 53835),

Gene: ClubL_87 Start: 53329, Stop: 54372, Start Num: 90

Candidate Starts for ClubL_87:

(Start: 90 @53329 has 7 MA's), (Start: 92 @53332 has 8 MA's), (139, 53479), (144, 53512), (156, 53563), (181, 53662), (188, 53683), (195, 53707), (235, 53836), (239, 53848), (284, 53974), (307, 54037), (317, 54076), (340, 54145), (344, 54157), (357, 54205), (375, 54238), (401, 54307), (421, 54355),

Gene: ColdSoup_85 Start: 52837, Stop: 53850, Start Num: 99

Candidate Starts for ColdSoup_85:

(50, 52675), (67, 52744), (Start: 94 @52828 has 3 MA's), (Start: 99 @52837 has 77 MA's), (149, 53023), (158, 53062), (163, 53080), (190, 53173), (221, 53242), (242, 53323), (252, 53362), (268, 53422), (287, 53458), (289, 53464), (301, 53497), (318, 53563), (337, 53620), (420, 53827),

Gene: Colossa_36 Start: 29351, Stop: 30301, Start Num: 104

Candidate Starts for Colossa_36:

(31, 29090), (52, 29186), (87, 29321), (Start: 104 @29351 has 2 MA's), (Start: 111 @29366 has 1 MA's), (135, 29462), (148, 29519), (177, 29633), (229, 29786), (234, 29804), (239, 29822), (242, 29828), (256, 29852), (258, 29858), (265, 29891), (266, 29894), (317, 30056), (356, 30182), (380, 30230),

Gene: Colucci_46 Start: 36185, Stop: 37138, Start Num: 108

Candidate Starts for Colucci_46:

(Start: 108 @36185 has 20 MA's), (131, 36260), (139, 36296), (144, 36329), (148, 36341), (172, 36434), (184, 36464), (186, 36470), (199, 36515), (208, 36536), (239, 36644), (254, 36683), (258, 36695), (273, 36752), (284, 36785), (317, 36893), (351, 36998), (371, 37049), (393, 37112), (396, 37121),

Gene: Colusalem_41 Start: 25041, Stop: 26063, Start Num: 99

Candidate Starts for Colusalem_41:

(Start: 99 @25041 has 77 MA's), (Start: 106 @25056 has 14 MA's), (Start: 118 @25083 has 15 MA's), (129, 25119), (144, 25206), (168, 25299), (190, 25380), (199, 25407), (214, 25452), (229, 25500), (234, 25521), (247, 25569), (274, 25665), (282, 25692), (342, 25884), (348, 25905), (354, 25929),

Gene: Conboy_46 Start: 36612, Stop: 37565, Start Num: 108

Candidate Starts for Conboy_46:

(Start: 108 @36612 has 20 MA's), (139, 36723), (144, 36756), (148, 36768), (172, 36861), (179, 36879), (184, 36891), (186, 36897), (199, 36942), (208, 36963), (211, 36975), (229, 37035), (239, 37071), (254, 37110), (258, 37122), (273, 37179), (284, 37212), (299, 37254), (317, 37320), (319, 37326), (341, 37392), (351, 37425), (371, 37476), (396, 37548),

Gene: Coral_40 Start: 24912, Stop: 25934, Start Num: 99

Candidate Starts for Coral_40:

(Start: 99 @24912 has 77 MA's), (Start: 106 @24927 has 14 MA's), (Start: 118 @24954 has 15 MA's), (129, 24990), (144, 25077), (168, 25170), (190, 25251), (199, 25278), (214, 25323), (229, 25371), (234, 25392), (247, 25440), (274, 25536), (282, 25563), (342, 25755), (348, 25776), (354, 25800),

Gene: Cote_42 Start: 25389, Stop: 26411, Start Num: 99

Candidate Starts for Cote_42:

(Start: 99 @25389 has 77 MA's), (Start: 106 @25404 has 14 MA's), (Start: 118 @25431 has 15 MA's), (129, 25467), (144, 25554), (168, 25647), (190, 25728), (199, 25755), (214, 25800), (229, 25848), (234, 25869), (247, 25917), (274, 26013), (282, 26040), (342, 26232), (348, 26253), (354, 26277),

Gene: Cracklewink_63 Start: 44011, Stop: 44940, Start Num: 124

Candidate Starts for Cracklewink_63:

(122, 44005), (Start: 124 @44011 has 8 MA's), (125, 44017), (136, 44071), (144, 44116), (148, 44128), (150, 44140), (160, 44173), (186, 44260), (196, 44296), (212, 44338), (213, 44341), (233, 44413), (239, 44434), (241, 44437), (261, 44497), (272, 44536), (302, 44617), (307, 44635), (320, 44686), (336, 44734), (347, 44767), (351, 44779), (370, 44833), (384, 44866), (406, 44920),

Gene: Cucurbita_89 Start: 55149, Stop: 56192, Start Num: 90

Candidate Starts for Cucurbita_89:

(Start: 90 @55149 has 7 MA's), (Start: 92 @55152 has 8 MA's), (139, 55299), (144, 55332), (156, 55383), (181, 55482), (188, 55503), (195, 55527), (235, 55656), (239, 55668), (256, 55698), (284, 55794), (287, 55803), (307, 55857), (317, 55896), (340, 55965), (357, 56025), (375, 56058), (382, 56076), (421, 56175),

Gene: Culver_89 Start: 53256, Stop: 54293, Start Num: 92

Candidate Starts for Culver_89:

(Start: 90 @53253 has 7 MA's), (Start: 92 @53256 has 8 MA's), (Start: 112 @53298 has 2 MA's), (140, 53409), (144, 53436), (156, 53487), (181, 53586), (188, 53607), (195, 53631), (235, 53760), (239, 53772), (266, 53844), (284, 53898), (307, 53961), (340, 54069), (354, 54120), (357, 54129), (375, 54159), (412, 54246), (421, 54276),

Gene: Cygnet_40 Start: 25852, Stop: 26877, Start Num: 99

Candidate Starts for Cygnet_40:

(Start: 99 @25852 has 77 MA's), (Start: 106 @25864 has 14 MA's), (143, 26014), (156, 26065), (190, 26194), (193, 26206), (199, 26221), (244, 26368), (245, 26377), (247, 26383), (261, 26431), (288, 26524), (313, 26614), (342, 26698), (348, 26719), (354, 26743),

Gene: Daegal_57 Start: 39484, Stop: 40455, Start Num: 106

Candidate Starts for Daegal_57:

(12, 39091), (17, 39121), (23, 39214), (34, 39298), (Start: 54 @39364 has 10 MA's), (56, 39373), (Start: 79 @39442 has 1 MA's), (Start: 106 @39484 has 14 MA's), (140, 39595), (144, 39622), (148, 39634), (163, 39691), (178, 39742), (214, 39853), (227, 39901), (248, 39982), (266, 40048), (272, 40066), (273, 40069), (287, 40111), (322, 40219), (324, 40225), (347, 40294), (351, 40306), (365, 40339), (380, 40378),

Gene: Damocles_44 Start: 25200, Stop: 26222, Start Num: 99

Candidate Starts for Damocles_44:

(Start: 99 @25200 has 77 MA's), (Start: 106 @25215 has 14 MA's), (Start: 118 @25242 has 15 MA's), (129, 25278), (144, 25365), (168, 25458), (190, 25539), (199, 25566), (214, 25611), (229, 25659), (234, 25680), (247, 25728), (274, 25824), (282, 25851), (342, 26043), (348, 26064), (354, 26088),

Gene: DanHam62_40 Start: 25000, Stop: 26013, Start Num: 99

Candidate Starts for DanHam62_40:

(81, 24976), (Start: 99 @25000 has 77 MA's), (Start: 106 @25015 has 14 MA's), (156, 25204), (165, 25246), (168, 25252), (169, 25261), (190, 25333), (199, 25360), (226, 25441), (229, 25450), (247, 25519), (298, 25690), (306, 25720), (312, 25747), (325, 25786), (342, 25834), (354, 25879),

Gene: Daob_42 Start: 25397, Stop: 26419, Start Num: 99

Candidate Starts for Daob_42:

(Start: 99 @25397 has 77 MA's), (Start: 106 @25412 has 14 MA's), (Start: 118 @25439 has 15 MA's), (129, 25475), (144, 25562), (168, 25655), (190, 25736), (199, 25763), (214, 25808), (229, 25856), (234, 25877), (247, 25925), (274, 26021), (282, 26048), (342, 26240), (348, 26261), (354, 26285),

Gene: Daredevil_85 Start: 59811, Stop: 58786, Start Num: 99

Candidate Starts for Daredevil_85:

(Start: 99 @59811 has 77 MA's), (Start: 108 @59796 has 20 MA's), (121, 59769), (156, 59598), (183, 59496), (194, 59454), (202, 59433), (235, 59316), (242, 59298), (243, 59295), (254, 59280), (256, 59274), (258, 59268), (284, 59178), (307, 59115), (309, 59106), (313, 59088), (330, 59034), (344, 58995),

Gene: DatBoi_91 Start: 63297, Stop: 62272, Start Num: 99

Candidate Starts for DatBoi_91:

(53, 63447), (73, 63360), (Start: 99 @63297 has 77 MA's), (138, 63171), (155, 63081), (156, 63078), (159, 63063), (183, 62973), (194, 62931), (202, 62910), (236, 62790), (242, 62775), (243, 62772), (244, 62766), (258, 62745), (264, 62718), (275, 62682), (284, 62655), (302, 62610), (311, 62571), (328, 62520), (344, 62472), (347, 62460), (370, 62394),

Gene: DeepSoil15_55 Start: 38900, Stop: 39871, Start Num: 106

Candidate Starts for DeepSoil15_55:

(12, 38507), (17, 38537), (23, 38630), (34, 38714), (Start: 54 @38780 has 10 MA's), (56, 38789), (Start: 79 @38858 has 1 MA's), (Start: 106 @38900 has 14 MA's), (140, 39011), (144, 39038), (148, 39050), (163, 39107), (178, 39158), (214, 39269), (227, 39317), (248, 39398), (266, 39464), (272, 39482), (273, 39485), (287, 39527), (324, 39641), (347, 39710), (351, 39722), (365, 39755), (380, 39794),

Gene: Delian_61 Start: 37247, Stop: 38176, Start Num: 119

Candidate Starts for Delian_61:

(4, 36473), (33, 36998), (60, 37097), (85, 37196), (Start: 92 @37208 has 8 MA's), (Start: 119 @37247 has 32 MA's), (Start: 124 @37262 has 8 MA's), (134, 37307), (144, 37367), (148, 37379), (214, 37604), (229, 37655), (235, 37679), (258, 37733), (276, 37799), (283, 37820), (302, 37871), (309, 37898), (318, 37928), (351, 38030),

Gene: Delrey21_50 Start: 43180, Stop: 44334, Start Num: 100

Candidate Starts for Delrey21_50:

(Start: 100 @43180 has 15 MA's), (Start: 118 @43219 has 15 MA's), (138, 43312), (140, 43321), (144, 43354), (146, 43360), (158, 43411), (167, 43444), (169, 43450), (195, 43543), (242, 43666), (250, 43699), (256, 43714), (258, 43720), (275, 43783), (278, 43795), (281, 43813), (328, 43984), (374, 44143), (405, 44221), (424, 44302),

Gene: Derg_43 Start: 40440, Stop: 41564, Start Num: 98

Candidate Starts for Derg_43:

(69, 40371), (Start: 98 @40440 has 60 MA's), (Start: 118 @40476 has 15 MA's), (138, 40569), (144, 40611), (146, 40617), (158, 40668), (169, 40707), (195, 40797), (230, 40878), (250, 40953), (258, 40974), (266, 41007), (278, 41049), (315, 41187), (352, 41301), (358, 41328), (378, 41388), (405, 41454), (419, 41487),

Gene: Dewey_52 Start: 38780, Stop: 39871, Start Num: 54

Candidate Starts for Dewey_52:

(12, 38507), (17, 38537), (23, 38630), (34, 38714), (Start: 54 @38780 has 10 MA's), (56, 38789), (Start: 79 @38858 has 1 MA's), (Start: 106 @38900 has 14 MA's), (140, 39011), (144, 39038), (148, 39050), (163, 39107), (178, 39158), (214, 39269), (227, 39317), (248, 39398), (266, 39464), (272, 39482), (273, 39485), (287, 39527), (324, 39641), (347, 39710), (351, 39722), (365, 39755), (380, 39794),

Gene: Dextert_46 Start: 38194, Stop: 39375, Start Num: 98

Candidate Starts for Dextert_46:

(26, 37912), (68, 38119), (Start: 98 @38194 has 60 MA's), (138, 38326), (140, 38335), (144, 38368), (146, 38374), (158, 38425), (195, 38554), (242, 38680), (250, 38713), (258, 38734), (278, 38809),

(285, 38839), (312, 38953), (328, 38998), (344, 39046), (352, 39073), (364, 39136), (374, 39184),
(378, 39196), (383, 39208), (400, 39256), (405, 39262), (424, 39343),

Gene: DoctorFroggo_50 Start: 43180, Stop: 44334, Start Num: 100

Candidate Starts for DoctorFroggo_50:

(Start: 100 @43180 has 15 MA's), (Start: 118 @43219 has 15 MA's), (138, 43312), (140, 43321), (144, 43354), (146, 43360), (158, 43411), (167, 43444), (169, 43450), (195, 43543), (242, 43666), (250, 43699), (256, 43714), (258, 43720), (275, 43783), (278, 43795), (281, 43813), (328, 43984), (374, 44143), (405, 44221), (424, 44302),

Gene: DonTron_82 Start: 52715, Stop: 53728, Start Num: 99

Candidate Starts for DonTron_82:

(50, 52553), (67, 52622), (Start: 94 @52706 has 3 MA's), (Start: 99 @52715 has 77 MA's), (149, 52901), (158, 52940), (163, 52958), (190, 53051), (221, 53120), (242, 53201), (252, 53240), (268, 53300), (287, 53336), (289, 53342), (301, 53375), (318, 53441), (337, 53498), (420, 53705),

Gene: Dori_63 Start: 49123, Stop: 50127, Start Num: 107

Candidate Starts for Dori_63:

(Start: 107 @49123 has 44 MA's), (140, 49246), (144, 49273), (158, 49324), (159, 49327), (164, 49351), (213, 49477), (230, 49528), (235, 49552), (239, 49564), (242, 49570), (247, 49594), (251, 49606), (312, 49786), (315, 49795), (323, 49816), (328, 49828), (348, 49891), (351, 49900), (377, 49957), (402, 50023), (413, 50038),

Gene: DrYang_47 Start: 38532, Stop: 39488, Start Num: 108

Candidate Starts for DrYang_47:

(Start: 108 @38532 has 20 MA's), (131, 38607), (139, 38643), (144, 38676), (148, 38688), (172, 38781), (178, 38796), (184, 38811), (186, 38817), (199, 38862), (208, 38883), (211, 38895), (235, 38979), (239, 38991), (254, 39030), (284, 39132), (287, 39141), (309, 39213), (317, 39240), (339, 39306), (346, 39330), (347, 39333), (349, 39339), (351, 39345), (365, 39384), (381, 39423), (396, 39468),

Gene: DreamEater_50 Start: 33476, Stop: 34402, Start Num: 99

Candidate Starts for DreamEater_50:

(58, 33344), (Start: 99 @33476 has 77 MA's), (Start: 108 @33482 has 20 MA's), (136, 33590), (158, 33686), (160, 33692), (164, 33713), (208, 33833), (236, 33920), (239, 33929), (250, 33968), (261, 34007), (271, 34046), (304, 34118), (351, 34253), (367, 34298),

Gene: Duplicity_47 Start: 32451, Stop: 33461, Start Num: 107

Candidate Starts for Duplicity_47:

(Start: 107 @32451 has 44 MA's), (132, 32526), (138, 32565), (140, 32574), (144, 32601), (158, 32652), (159, 32655), (164, 32679), (213, 32805), (230, 32856), (235, 32880), (239, 32892), (247, 32922), (312, 33114), (315, 33123), (320, 33141), (334, 33183), (350, 33231), (353, 33243), (413, 33372),

Gene: Dusty_85 Start: 52844, Stop: 53884, Start Num: 92

Candidate Starts for Dusty_85:

(Start: 90 @52841 has 7 MA's), (Start: 92 @52844 has 8 MA's), (139, 52991), (144, 53024), (156, 53075), (181, 53174), (188, 53195), (195, 53219), (235, 53348), (239, 53360), (284, 53486), (307, 53549), (317, 53588), (340, 53657), (344, 53669), (357, 53717), (375, 53750), (382, 53768), (421, 53867),

Gene: EGUnicorn_45 Start: 31139, Stop: 32149, Start Num: 107

Candidate Starts for EGUnicorn_45:

(Start: 107 @31139 has 44 MA's), (138, 31253), (140, 31262), (144, 31289), (158, 31340), (159, 31343), (177, 31409), (186, 31436), (230, 31544), (234, 31562), (239, 31580), (320, 31829), (350, 31919), (353, 31931), (377, 31979), (413, 32060),

Gene: EMoore_45 Start: 41058, Stop: 42209, Start Num: 95

Candidate Starts for EMoore_45:

(9, 40575), (16, 40695), (21, 40773), (27, 40815), (28, 40824), (Start: 95 @41058 has 9 MA's), (140, 41208), (144, 41241), (146, 41247), (158, 41295), (169, 41334), (176, 41364), (183, 41382), (184, 41385), (186, 41394), (195, 41427), (239, 41544), (242, 41550), (250, 41583), (258, 41604), (303, 41781), (312, 41823), (315, 41829), (374, 42018), (405, 42096),

Gene: EastWest_35 Start: 28014, Stop: 29039, Start Num: 109

Candidate Starts for EastWest_35:

(Start: 109 @28014 has 27 MA's), (139, 28131), (141, 28137), (158, 28215), (165, 28245), (171, 28260), (235, 28443), (239, 28455), (248, 28488), (299, 28617), (359, 28824), (372, 28848), (390, 28893), (423, 28980),

Gene: EdgarPoe_46 Start: 36612, Stop: 37565, Start Num: 108

Candidate Starts for EdgarPoe_46:

(Start: 108 @36612 has 20 MA's), (139, 36723), (144, 36756), (148, 36768), (172, 36861), (179, 36879), (184, 36891), (186, 36897), (199, 36942), (208, 36963), (211, 36975), (229, 37035), (239, 37071), (254, 37110), (258, 37122), (273, 37179), (284, 37212), (299, 37254), (317, 37320), (319, 37326), (341, 37392), (351, 37425), (371, 37476), (396, 37548),

Gene: EdmundFerry_44 Start: 37970, Stop: 39154, Start Num: 98

Candidate Starts for EdmundFerry_44:

(51, 37829), (Start: 98 @37970 has 60 MA's), (138, 38099), (144, 38141), (146, 38147), (158, 38198), (195, 38327), (242, 38453), (250, 38486), (258, 38507), (312, 38726), (328, 38771), (335, 38795), (344, 38819), (358, 38870), (362, 38897), (378, 38969), (383, 38981), (394, 39020), (400, 39029), (405, 39035), (413, 39050), (416, 39059), (424, 39116),

Gene: Eesa_37 Start: 26191, Stop: 27219, Start Num: 99

Candidate Starts for Eesa_37:

(76, 26149), (Start: 99 @26191 has 77 MA's), (Start: 106 @26206 has 14 MA's), (144, 26356), (162, 26428), (190, 26530), (234, 26668), (242, 26692), (247, 26716), (258, 26749), (274, 26812), (282, 26839), (298, 26887), (342, 27031),

Gene: Ein37_55 Start: 38900, Stop: 39871, Start Num: 106

Candidate Starts for Ein37_55:

(12, 38507), (17, 38537), (23, 38630), (34, 38714), (Start: 54 @38780 has 10 MA's), (56, 38789), (Start: 79 @38858 has 1 MA's), (Start: 106 @38900 has 14 MA's), (140, 39011), (144, 39038), (148, 39050), (163, 39107), (178, 39158), (214, 39269), (227, 39317), (248, 39398), (266, 39464), (272, 39482), (273, 39485), (287, 39527), (324, 39641), (347, 39710), (351, 39722), (365, 39755), (380, 39794),

Gene: Engineer_89 Start: 54615, Stop: 55658, Start Num: 90

Candidate Starts for Engineer_89:

(Start: 90 @54615 has 7 MA's), (Start: 92 @54618 has 8 MA's), (139, 54765), (144, 54798), (156, 54849), (181, 54948), (188, 54969), (195, 54993), (235, 55122), (239, 55134), (256, 55164), (284, 55260), (287, 55269), (307, 55323), (317, 55362), (340, 55431), (357, 55491), (375, 55524), (382, 55542), (421, 55641),

Gene: Evanesce_54 Start: 38900, Stop: 39871, Start Num: 106

Candidate Starts for Evanesce_54:

(34, 38714), (Start: 54 @38780 has 10 MA's), (56, 38789), (Start: 79 @38858 has 1 MA's), (Start: 106 @38900 has 14 MA's), (140, 39011), (144, 39038), (148, 39050), (163, 39107), (178, 39158), (214, 39269), (227, 39317), (248, 39398), (266, 39464), (272, 39482), (273, 39485), (287, 39527), (324, 39641), (347, 39710), (351, 39722), (365, 39755), (380, 39794),

Gene: Eviarto_59 Start: 41266, Stop: 42195, Start Num: 119

Candidate Starts for Eviarto_59:

(40, 41032), (41, 41038), (46, 41056), (60, 41110), (62, 41134), (83, 41206), (85, 41209), (86, 41212), (Start: 119 @41266 has 32 MA's), (Start: 124 @41281 has 8 MA's), (133, 41323), (134, 41326), (144, 41386), (148, 41398), (214, 41623), (229, 41674), (235, 41698), (258, 41752), (262, 41770), (276, 41818), (283, 41839), (302, 41890), (307, 41908), (309, 41917), (351, 42049),

Gene: Fairfaxidum_59 Start: 39599, Stop: 40528, Start Num: 118

Candidate Starts for Fairfaxidum_59:

(Start: 32 @39335 has 1 MA's), (48, 39395), (60, 39440), (62, 39464), (Start: 88 @39545 has 2 MA's), (Start: 118 @39599 has 15 MA's), (Start: 124 @39614 has 8 MA's), (133, 39656), (134, 39659), (144, 39719), (148, 39731), (178, 39851), (214, 39956), (258, 40085), (276, 40151), (283, 40172), (302, 40223), (307, 40241), (318, 40280), (347, 40370), (351, 40382), (385, 40460),

Gene: Faiyaz_66 Start: 45550, Stop: 46464, Start Num: 124

Candidate Starts for Faiyaz_66:

(Start: 124 @45550 has 8 MA's), (140, 45628), (148, 45667), (150, 45679), (213, 45880), (233, 45952), (239, 45973), (242, 45979), (257, 46012), (258, 46015), (272, 46069), (302, 46150), (307, 46168), (351, 46309), (357, 46333), (410, 46456),

Gene: Fenry_56 Start: 38757, Stop: 39686, Start Num: 119

Candidate Starts for Fenry_56:

(Start: 119 @38757 has 32 MA's), (Start: 124 @38772 has 8 MA's), (134, 38817), (144, 38877), (148, 38889), (214, 39114), (229, 39165), (235, 39189), (258, 39243), (276, 39309), (283, 39330), (302, 39381), (307, 39399), (351, 39540),

Gene: Fingolfin_40 Start: 25003, Stop: 26016, Start Num: 99

Candidate Starts for Fingolfin_40:

(81, 24979), (Start: 99 @25003 has 77 MA's), (Start: 106 @25018 has 14 MA's), (156, 25207), (165, 25249), (168, 25255), (169, 25264), (190, 25336), (199, 25363), (226, 25444), (229, 25453), (234, 25474), (247, 25522), (298, 25693), (306, 25723), (312, 25750), (325, 25789), (342, 25837), (354, 25882),

Gene: Fitzgerald_47 Start: 42195, Stop: 43319, Start Num: 98

Candidate Starts for Fitzgerald_47:

(Start: 98 @42195 has 60 MA's), (Start: 118 @42231 has 15 MA's), (138, 42324), (144, 42366), (146, 42372), (158, 42423), (167, 42456), (190, 42531), (195, 42552), (230, 42633), (242, 42675), (250, 42708), (258, 42729), (278, 42804), (315, 42942), (352, 43056), (378, 43143), (405, 43209), (413, 43224), (419, 43242),

Gene: Flatwoods_48 Start: 40789, Stop: 41913, Start Num: 98

Candidate Starts for Flatwoods_48:

(69, 40720), (Start: 98 @40789 has 60 MA's), (Start: 118 @40825 has 15 MA's), (138, 40918), (144, 40960), (146, 40966), (158, 41017), (169, 41056), (195, 41146), (230, 41227), (250, 41302), (258, 41323), (278, 41398), (315, 41536), (352, 41650), (358, 41677), (378, 41737), (405, 41803), (419, 41836),

Gene: Forge_52 Start: 38780, Stop: 39871, Start Num: 54

Candidate Starts for Forge_52:

(12, 38507), (17, 38537), (23, 38630), (34, 38714), (Start: 54 @38780 has 10 MA's), (56, 38789), (Start: 79 @38858 has 1 MA's), (Start: 106 @38900 has 14 MA's), (140, 39011), (144, 39038), (148, 39050), (163, 39107), (178, 39158), (214, 39269), (227, 39317), (248, 39398), (266, 39464), (272, 39482), (273, 39485), (287, 39527), (324, 39641), (347, 39710), (351, 39722), (365, 39755), (380, 39794),

Gene: Fosterous_46 Start: 40754, Stop: 41881, Start Num: 98

Candidate Starts for Fosterous_46:

(Start: 98 @40754 has 60 MA's), (Start: 118 @40793 has 15 MA's), (138, 40886), (144, 40928), (146, 40934), (158, 40985), (167, 41018), (190, 41093), (195, 41114), (242, 41237), (250, 41270), (258, 41291), (278, 41366), (315, 41504), (352, 41618), (358, 41645), (378, 41705), (405, 41771), (413, 41786), (419, 41804),

Gene: Franzy_32 Start: 28454, Stop: 29482, Start Num: 109

Candidate Starts for Franzy_32:

(Start: 109 @28454 has 27 MA's), (153, 28637), (158, 28655), (165, 28685), (171, 28700), (235, 28883), (239, 28895), (287, 29033), (292, 29045), (299, 29057), (321, 29144), (359, 29264), (372, 29288), (377, 29300),

Gene: FuegoCuervo_51 Start: 40622, Stop: 41746, Start Num: 98

Candidate Starts for FuegoCuervo_51:

(Start: 98 @40622 has 60 MA's), (Start: 118 @40661 has 15 MA's), (138, 40754), (144, 40796), (146, 40802), (158, 40853), (167, 40886), (190, 40961), (195, 40982), (242, 41105), (250, 41138), (258, 41159), (278, 41234), (315, 41372), (352, 41486), (358, 41513), (378, 41573), (405, 41639), (413, 41654), (419, 41672),

Gene: Fulbright_46 Start: 31531, Stop: 32541, Start Num: 107

Candidate Starts for Fulbright_46:

(Start: 107 @31531 has 44 MA's), (132, 31606), (138, 31645), (140, 31654), (144, 31681), (158, 31732), (159, 31735), (164, 31759), (213, 31885), (230, 31936), (235, 31960), (239, 31972), (247, 32002), (312, 32194), (315, 32203), (320, 32221), (334, 32263), (350, 32311), (353, 32323), (413, 32452),

Gene: GTE6_45 Start: 38462, Stop: 39616, Start Num: 98

Candidate Starts for GTE6_45:

(51, 38321), (Start: 98 @38462 has 60 MA's), (138, 38591), (144, 38633), (146, 38639), (158, 38690), (195, 38819), (199, 38825), (242, 38945), (250, 38978), (258, 38999), (285, 39104), (312, 39218), (328, 39263), (335, 39287), (344, 39311), (378, 39431), (383, 39443), (394, 39482), (400, 39491), (405, 39497), (413, 39512), (416, 39521), (424, 39578),

Gene: Gaea_47 Start: 40432, Stop: 41565, Start Num: 98

Candidate Starts for Gaea_47:

(69, 40363), (Start: 98 @40432 has 60 MA's), (138, 40570), (144, 40612), (146, 40618), (158, 40669), (167, 40702), (169, 40708), (195, 40798), (250, 40954), (258, 40975), (278, 41050), (315, 41188), (352, 41302), (358, 41329), (378, 41389), (405, 41455), (413, 41470), (419, 41488),

Gene: Galadriel_48 Start: 41561, Stop: 42682, Start Num: 98

Candidate Starts for Galadriel_48:

(74, 41522), (Start: 98 @41561 has 60 MA's), (Start: 118 @41597 has 15 MA's), (138, 41690), (144, 41732), (146, 41738), (158, 41789), (167, 41822), (190, 41897), (195, 41918), (242, 42041), (250, 42074), (258, 42095), (278, 42170), (315, 42308), (352, 42422), (358, 42449), (378, 42509), (405,

42575), (413, 42590), (419, 42608),

Gene: Galaxy_37 Start: 25067, Stop: 26092, Start Num: 99

Candidate Starts for Galaxy_37:

(Start: 99 @25067 has 77 MA's), (Start: 106 @25082 has 14 MA's), (Start: 118 @25109 has 15 MA's), (143, 25226), (150, 25256), (173, 25352), (176, 25364), (190, 25406), (193, 25418), (197, 25430), (234, 25544), (260, 25631), (274, 25685), (282, 25712), (342, 25904),

Gene: Gallop_56 Start: 38562, Stop: 39530, Start Num: 120

Candidate Starts for Gallop_56:

(120, 38562), (134, 38619), (137, 38643), (146, 38691), (148, 38697), (162, 38754), (166, 38772), (222, 38937), (230, 38958), (232, 38970), (235, 38982), (239, 38994), (276, 39120), (291, 39150), (314, 39228), (319, 39243), (374, 39414), (378, 39426), (388, 39453),

Gene: Gambino_61 Start: 39736, Stop: 40665, Start Num: 119

Candidate Starts for Gambino_61:

(Start: 119 @39736 has 32 MA's), (Start: 124 @39751 has 8 MA's), (134, 39796), (144, 39856), (148, 39868), (184, 40003), (214, 40093), (229, 40144), (235, 40168), (237, 40171), (258, 40222), (276, 40288), (283, 40309), (302, 40360), (307, 40378), (351, 40519), (370, 40564), (386, 40603), (404, 40642),

Gene: Gancho_54 Start: 38623, Stop: 39594, Start Num: 106

Candidate Starts for Gancho_54:

(12, 38230), (17, 38260), (23, 38353), (34, 38437), (Start: 54 @38503 has 10 MA's), (56, 38512), (Start: 79 @38581 has 1 MA's), (Start: 106 @38623 has 14 MA's), (140, 38734), (144, 38761), (148, 38773), (163, 38830), (178, 38881), (214, 38992), (227, 39040), (248, 39121), (266, 39187), (272, 39205), (273, 39208), (287, 39250), (324, 39364), (347, 39433), (351, 39445), (365, 39478), (380, 39517), (384, 39523),

Gene: Geeche_86 Start: 53681, Stop: 54721, Start Num: 92

Candidate Starts for Geeche_86:

(Start: 90 @53678 has 7 MA's), (Start: 92 @53681 has 8 MA's), (139, 53828), (144, 53861), (156, 53912), (181, 54011), (188, 54032), (195, 54056), (235, 54185), (239, 54197), (284, 54323), (307, 54386), (317, 54425), (340, 54494), (357, 54554), (375, 54587), (382, 54605), (421, 54704),

Gene: Geodirt_47 Start: 42173, Stop: 43297, Start Num: 98

Candidate Starts for Geodirt_47:

(Start: 98 @42173 has 60 MA's), (Start: 118 @42212 has 15 MA's), (138, 42305), (144, 42347), (146, 42353), (158, 42404), (167, 42437), (190, 42512), (195, 42533), (242, 42656), (250, 42689), (258, 42710), (278, 42785), (315, 42923), (352, 43037), (358, 43064), (378, 43124), (405, 43190), (413, 43205), (419, 43223),

Gene: Gex_47 Start: 32458, Stop: 33468, Start Num: 107

Candidate Starts for Gex_47:

(Start: 107 @32458 has 44 MA's), (132, 32533), (138, 32572), (140, 32581), (144, 32608), (158, 32659), (159, 32662), (164, 32686), (213, 32812), (230, 32863), (235, 32887), (239, 32899), (247, 32929), (312, 33121), (315, 33130), (320, 33148), (334, 33190), (350, 33238), (353, 33250), (413, 33379),

Gene: Giles_52 Start: 38780, Stop: 39871, Start Num: 54

Candidate Starts for Giles_52:

(12, 38507), (17, 38537), (23, 38630), (34, 38714), (Start: 54 @38780 has 10 MA's), (56, 38789), (Start: 79 @38858 has 1 MA's), (Start: 106 @38900 has 14 MA's), (140, 39011), (144, 39038), (148,

39050), (163, 39107), (178, 39158), (214, 39269), (227, 39317), (248, 39398), (266, 39464), (272, 39482), (273, 39485), (287, 39527), (324, 39641), (347, 39710), (351, 39722), (365, 39755), (380, 39794),

Gene: Glotell_41 Start: 25159, Stop: 26172, Start Num: 99

Candidate Starts for Glotell_41:

(81, 25135), (Start: 99 @25159 has 77 MA's), (Start: 106 @25174 has 14 MA's), (156, 25363), (165, 25405), (168, 25411), (169, 25420), (190, 25492), (199, 25519), (226, 25600), (229, 25609), (234, 25630), (247, 25678), (298, 25849), (306, 25879), (312, 25906), (325, 25945), (342, 25993), (354, 26038),

Gene: GramZayde_42 Start: 25225, Stop: 26247, Start Num: 99

Candidate Starts for GramZayde_42:

(Start: 99 @25225 has 77 MA's), (Start: 106 @25240 has 14 MA's), (Start: 118 @25267 has 15 MA's), (129, 25303), (144, 25390), (168, 25483), (190, 25564), (199, 25591), (214, 25636), (229, 25684), (234, 25705), (247, 25753), (274, 25849), (282, 25876), (342, 26068), (348, 26089), (354, 26113),

Gene: Gravaillia_53 Start: 38794, Stop: 39885, Start Num: 54

Candidate Starts for Gravaillia_53:

(12, 38521), (15, 38542), (17, 38551), (23, 38644), (34, 38728), (Start: 54 @38794 has 10 MA's), (56, 38803), (Start: 79 @38872 has 1 MA's), (Start: 106 @38914 has 14 MA's), (140, 39025), (144, 39052), (148, 39064), (163, 39121), (178, 39172), (214, 39283), (227, 39331), (248, 39412), (258, 39442), (266, 39478), (272, 39496), (273, 39499), (287, 39541), (317, 39631), (322, 39649), (324, 39655), (347, 39724), (351, 39736), (365, 39769), (380, 39808),

Gene: Gravel_47 Start: 26164, Stop: 27192, Start Num: 99

Candidate Starts for Gravel_47:

(Start: 99 @26164 has 77 MA's), (Start: 106 @26179 has 14 MA's), (144, 26329), (162, 26401), (190, 26503), (234, 26641), (242, 26665), (247, 26689), (258, 26722), (274, 26785), (282, 26812), (298, 26860), (342, 27004),

Gene: GravityBall_34 Start: 28804, Stop: 29823, Start Num: 109

Candidate Starts for GravityBall_34:

(Start: 109 @28804 has 27 MA's), (139, 28921), (158, 29005), (161, 29017), (165, 29035), (175, 29071), (239, 29245), (242, 29251), (259, 29308), (268, 29347), (287, 29383), (292, 29395), (299, 29407), (377, 29650),

Gene: Grekaycon_34 Start: 28720, Stop: 29739, Start Num: 109

Candidate Starts for Grekaycon_34:

(Start: 109 @28720 has 27 MA's), (158, 28921), (161, 28933), (165, 28951), (174, 28981), (175, 28987), (239, 29161), (242, 29167), (259, 29224), (287, 29299), (299, 29323), (300, 29332), (321, 29410), (345, 29482), (347, 29488), (419, 29665),

Gene: Grumio_83 Start: 52315, Stop: 53328, Start Num: 99

Candidate Starts for Grumio_83:

(50, 52153), (67, 52222), (Start: 94 @52306 has 3 MA's), (Start: 99 @52315 has 77 MA's), (149, 52501), (158, 52540), (163, 52558), (190, 52651), (221, 52720), (242, 52801), (252, 52840), (268, 52900), (287, 52936), (289, 52942), (301, 52975), (318, 53041), (337, 53098), (420, 53305),

Gene: Guacamole_55 Start: 37476, Stop: 38405, Start Num: 119

Candidate Starts for Guacamole_55:

(83, 37422), (85, 37425), (Start: 92 @37437 has 8 MA's), (Start: 119 @37476 has 32 MA's), (Start: 124 @37491 has 8 MA's), (133, 37533), (134, 37536), (140, 37569), (144, 37596), (148, 37608), (214,

37833), (229, 37884), (235, 37908), (258, 37962), (276, 38028), (283, 38049), (302, 38100), (309, 38127), (318, 38157), (351, 38259),

Gene: Gustavo_47 Start: 40605, Stop: 41738, Start Num: 98

Candidate Starts for Gustavo_47:

(69, 40536), (Start: 98 @40605 has 60 MA's), (138, 40743), (144, 40785), (146, 40791), (158, 40842), (167, 40875), (169, 40881), (170, 40884), (195, 40971), (250, 41127), (258, 41148), (278, 41223), (315, 41361), (352, 41475), (358, 41502), (378, 41562), (405, 41628), (413, 41643), (419, 41661),

Gene: HH92_54 Start: 38900, Stop: 39871, Start Num: 106

Candidate Starts for HH92_54:

(12, 38507), (17, 38537), (23, 38630), (34, 38714), (Start: 54 @38780 has 10 MA's), (56, 38789), (Start: 79 @38858 has 1 MA's), (Start: 106 @38900 has 14 MA's), (140, 39011), (144, 39038), (148, 39050), (163, 39107), (178, 39158), (214, 39269), (227, 39317), (248, 39398), (266, 39464), (272, 39482), (273, 39485), (287, 39527), (324, 39641), (347, 39710), (351, 39722), (365, 39755), (380, 39794),

Gene: Hadrien_54 Start: 38780, Stop: 39871, Start Num: 54

Candidate Starts for Hadrien_54:

(12, 38507), (17, 38537), (23, 38630), (34, 38714), (Start: 54 @38780 has 10 MA's), (56, 38789), (Start: 79 @38858 has 1 MA's), (Start: 106 @38900 has 14 MA's), (140, 39011), (144, 39038), (148, 39050), (163, 39107), (178, 39158), (214, 39269), (227, 39317), (248, 39398), (266, 39464), (272, 39482), (273, 39485), (287, 39527), (324, 39641), (347, 39710), (351, 39722), (365, 39755), (380, 39794),

Gene: Hail_52 Start: 38780, Stop: 39871, Start Num: 54

Candidate Starts for Hail_52:

(12, 38507), (17, 38537), (23, 38630), (34, 38714), (Start: 54 @38780 has 10 MA's), (56, 38789), (Start: 79 @38858 has 1 MA's), (Start: 106 @38900 has 14 MA's), (140, 39011), (144, 39038), (148, 39050), (163, 39107), (178, 39158), (214, 39269), (227, 39317), (248, 39398), (266, 39464), (272, 39482), (273, 39485), (287, 39527), (324, 39641), (347, 39710), (351, 39722), (365, 39755), (380, 39794),

Gene: HamCheese_40 Start: 24987, Stop: 26000, Start Num: 99

Candidate Starts for HamCheese_40:

(81, 24963), (Start: 99 @24987 has 77 MA's), (Start: 106 @25002 has 14 MA's), (156, 25191), (165, 25233), (168, 25239), (169, 25248), (190, 25320), (199, 25347), (226, 25428), (229, 25437), (234, 25458), (247, 25506), (298, 25677), (306, 25707), (312, 25734), (325, 25773), (342, 25821), (354, 25866),

Gene: Hanako_51 Start: 33348, Stop: 34358, Start Num: 107

Candidate Starts for Hanako_51:

(Start: 107 @33348 has 44 MA's), (138, 33462), (140, 33471), (144, 33498), (158, 33549), (159, 33552), (177, 33618), (186, 33645), (230, 33753), (234, 33771), (239, 33789), (320, 34038), (350, 34128), (353, 34140), (377, 34188), (413, 34269),

Gene: HannahPhantana_41 Start: 25059, Stop: 26081, Start Num: 99

Candidate Starts for HannahPhantana_41:

(Start: 99 @25059 has 77 MA's), (Start: 106 @25074 has 14 MA's), (Start: 118 @25101 has 15 MA's), (129, 25137), (144, 25224), (168, 25317), (190, 25398), (199, 25425), (214, 25470), (229, 25518), (234, 25539), (247, 25587), (274, 25683), (282, 25710), (342, 25902), (348, 25923), (354, 25947),

Gene: Hans_49 Start: 40497, Stop: 41648, Start Num: 95

Candidate Starts for Hans_49:

(Start: 95 @40497 has 9 MA's), (129, 40581), (138, 40638), (140, 40647), (144, 40680), (146, 40686), (158, 40734), (169, 40773), (176, 40803), (183, 40821), (184, 40824), (186, 40833), (239, 40983), (242, 40989), (250, 41022), (258, 41043), (275, 41106), (303, 41220), (312, 41262), (315, 41268), (358, 41406), (413, 41550), (424, 41616),

Gene: Hilltopfarm_65 Start: 45250, Stop: 46164, Start Num: 124

Candidate Starts for Hilltopfarm_65:

(Start: 124 @45250 has 8 MA's), (140, 45328), (148, 45367), (150, 45379), (213, 45580), (233, 45652), (239, 45673), (242, 45679), (257, 45712), (258, 45715), (272, 45769), (302, 45850), (307, 45868), (351, 46009), (357, 46033), (410, 46156),

Gene: Hitter_58 Start: 37052, Stop: 37981, Start Num: 119

Candidate Starts for Hitter_58:

(85, 37001), (Start: 92 @37013 has 8 MA's), (Start: 119 @37052 has 32 MA's), (Start: 124 @37067 has 8 MA's), (133, 37109), (134, 37112), (144, 37172), (148, 37184), (214, 37409), (229, 37460), (235, 37484), (258, 37538), (276, 37604), (283, 37625), (302, 37676), (309, 37703), (318, 37733), (351, 37835),

Gene: HumptyDumpty_46 Start: 36470, Stop: 37423, Start Num: 108

Candidate Starts for HumptyDumpty_46:

(Start: 108 @36470 has 20 MA's), (139, 36581), (144, 36614), (148, 36626), (172, 36719), (179, 36737), (184, 36749), (186, 36755), (199, 36800), (208, 36821), (211, 36833), (229, 36893), (231, 36899), (239, 36929), (254, 36968), (258, 36980), (273, 37037), (284, 37070), (317, 37178), (341, 37250), (351, 37283), (371, 37334), (393, 37397), (396, 37406),

Gene: Impisi_52 Start: 33145, Stop: 34155, Start Num: 107

Candidate Starts for Impisi_52:

(Start: 107 @33145 has 44 MA's), (138, 33259), (140, 33268), (144, 33295), (158, 33346), (159, 33349), (177, 33415), (186, 33442), (230, 33550), (234, 33568), (239, 33586), (320, 33835), (350, 33925), (353, 33937), (377, 33985), (413, 34066),

Gene: Inspectinfecti_48 Start: 40943, Stop: 42094, Start Num: 95

Candidate Starts for Inspectinfecti_48:

(Start: 95 @40943 has 9 MA's), (129, 41027), (138, 41084), (140, 41093), (144, 41126), (146, 41132), (158, 41180), (169, 41219), (176, 41249), (183, 41267), (184, 41270), (186, 41279), (239, 41429), (242, 41435), (250, 41468), (258, 41489), (275, 41552), (303, 41666), (312, 41708), (315, 41714), (358, 41852), (413, 41996), (424, 42062),

Gene: Island3_48 Start: 33774, Stop: 34781, Start Num: 107

Candidate Starts for Island3_48:

(63, 33654), (Start: 107 @33774 has 44 MA's), (138, 33885), (140, 33894), (144, 33921), (158, 33972), (159, 33975), (174, 34032), (177, 34041), (213, 34125), (230, 34176), (235, 34200), (239, 34212), (315, 34443), (320, 34461), (328, 34482), (332, 34497), (350, 34551), (351, 34554), (353, 34563), (358, 34581), (377, 34611), (413, 34692),

Gene: JKSyngboy_45 Start: 41204, Stop: 42337, Start Num: 98

Candidate Starts for JKSyngboy_45:

(69, 41135), (Start: 98 @41204 has 60 MA's), (138, 41342), (144, 41384), (146, 41390), (158, 41441), (167, 41474), (169, 41480), (170, 41483), (195, 41570), (250, 41726), (258, 41747), (278, 41822), (315, 41960), (352, 42074), (358, 42101), (378, 42161), (405, 42227), (413, 42242), (419, 42260),

Gene: JKerns_34 Start: 28666, Stop: 29685, Start Num: 109

Candidate Starts for JKerns_34:

(Start: 109 @28666 has 27 MA's), (158, 28867), (161, 28879), (165, 28897), (174, 28927), (230, 29071), (239, 29107), (242, 29113), (259, 29170), (287, 29245), (299, 29269), (345, 29428), (347, 29434), (419, 29611), (423, 29632), (424, 29659),

Gene: JaNo_46 Start: 36470, Stop: 37423, Start Num: 108

Candidate Starts for JaNo_46:

(Start: 108 @36470 has 20 MA's), (139, 36581), (144, 36614), (148, 36626), (172, 36719), (179, 36737), (184, 36749), (186, 36755), (199, 36800), (208, 36821), (211, 36833), (229, 36893), (231, 36899), (239, 36929), (254, 36968), (258, 36980), (273, 37037), (284, 37070), (317, 37178), (341, 37250), (351, 37283), (371, 37334), (393, 37397), (396, 37406),

Gene: Jabberwocky_47 Start: 42599, Stop: 43762, Start Num: 98

Candidate Starts for Jabberwocky_47:

(Start: 98 @42599 has 60 MA's), (Start: 118 @42638 has 15 MA's), (138, 42731), (144, 42773), (146, 42779), (158, 42830), (167, 42863), (190, 42938), (195, 42959), (230, 43040), (242, 43082), (250, 43115), (258, 43136), (278, 43211), (315, 43349), (352, 43463), (361, 43511), (363, 43526), (378, 43586), (405, 43652), (413, 43667), (419, 43685),

Gene: Jace_31 Start: 25322, Stop: 26353, Start Num: 98

Candidate Starts for Jace_31:

(Start: 98 @25322 has 60 MA's), (Start: 108 @25343 has 20 MA's), (150, 25523), (162, 25571), (190, 25664), (195, 25685), (239, 25793), (241, 25796), (246, 25820), (288, 25934), (299, 25955), (353, 26132), (358, 26150),

Gene: Jalammah_61 Start: 40055, Stop: 40984, Start Num: 119

Candidate Starts for Jalammah_61:

(83, 40001), (85, 40004), (Start: 92 @40016 has 8 MA's), (Start: 119 @40055 has 32 MA's), (Start: 124 @40070 has 8 MA's), (133, 40112), (134, 40115), (140, 40148), (144, 40175), (148, 40187), (184, 40322), (214, 40412), (235, 40487), (258, 40541), (276, 40607), (283, 40628), (302, 40679), (309, 40706), (318, 40736), (351, 40838),

Gene: Jamie19_45 Start: 31639, Stop: 32649, Start Num: 107

Candidate Starts for Jamie19_45:

(Start: 107 @31639 has 44 MA's), (132, 31714), (138, 31753), (140, 31762), (144, 31789), (158, 31840), (159, 31843), (177, 31909), (186, 31936), (230, 32044), (234, 32062), (239, 32080), (320, 32329), (350, 32419), (353, 32431), (377, 32479), (413, 32560),

Gene: Jamun_37 Start: 25352, Stop: 26377, Start Num: 99

Candidate Starts for Jamun_37:

(76, 25319), (Start: 99 @25352 has 77 MA's), (Start: 106 @25367 has 14 MA's), (144, 25517), (150, 25541), (173, 25637), (176, 25649), (190, 25691), (193, 25703), (195, 25712), (260, 25916), (274, 25970), (342, 26189), (398, 26342),

Gene: JasperJr_55 Start: 37476, Stop: 38405, Start Num: 119

Candidate Starts for JasperJr_55:

(83, 37422), (85, 37425), (Start: 92 @37437 has 8 MA's), (Start: 119 @37476 has 32 MA's), (Start: 124 @37491 has 8 MA's), (133, 37533), (134, 37536), (140, 37569), (144, 37596), (148, 37608), (214, 37833), (229, 37884), (235, 37908), (258, 37962), (276, 38028), (283, 38049), (302, 38100), (309, 38127), (318, 38157), (351, 38259),

Gene: Jawnski_32 Start: 28461, Stop: 29489, Start Num: 109

Candidate Starts for Jawnski_32:

(Start: 109 @28461 has 27 MA's), (139, 28578), (153, 28644), (158, 28662), (165, 28692), (174, 28722), (239, 28902), (259, 28965), (287, 29040), (292, 29052), (299, 29064), (347, 29229), (377, 29307),

Gene: JayCookie_46 Start: 36606, Stop: 37559, Start Num: 108

Candidate Starts for JayCookie_46:

(Start: 108 @36606 has 20 MA's), (139, 36717), (144, 36750), (148, 36762), (172, 36855), (179, 36873), (184, 36885), (186, 36891), (199, 36936), (208, 36957), (211, 36969), (229, 37029), (231, 37035), (239, 37065), (254, 37104), (258, 37116), (273, 37173), (284, 37206), (317, 37314), (341, 37386), (351, 37419), (371, 37470), (393, 37533), (396, 37542),

Gene: Jerole_41 Start: 25183, Stop: 26205, Start Num: 99

Candidate Starts for Jerole_41:

(Start: 99 @25183 has 77 MA's), (Start: 106 @25198 has 14 MA's), (Start: 118 @25225 has 15 MA's), (129, 25261), (144, 25348), (168, 25441), (190, 25522), (199, 25549), (214, 25594), (229, 25642), (234, 25663), (247, 25711), (274, 25807), (282, 25834), (342, 26026), (348, 26047), (354, 26071),

Gene: Jollymon_82 Start: 52837, Stop: 53850, Start Num: 99

Candidate Starts for Jollymon_82:

(50, 52675), (67, 52744), (Start: 94 @52828 has 3 MA's), (Start: 99 @52837 has 77 MA's), (149, 53023), (158, 53062), (163, 53080), (190, 53173), (221, 53242), (242, 53323), (252, 53362), (268, 53422), (287, 53458), (289, 53464), (301, 53497), (318, 53563), (337, 53620), (420, 53827),

Gene: JonJames_100 Start: 60136, Stop: 61155, Start Num: 94

Candidate Starts for JonJames_100:

(Start: 94 @60136 has 3 MA's), (121, 60190), (122, 60193), (162, 60388), (163, 60391), (188, 60481), (194, 60502), (195, 60505), (264, 60706), (266, 60715), (273, 60736), (307, 60832), (315, 60865), (324, 60895), (338, 60937), (344, 60952), (351, 60976), (355, 60994), (375, 61030), (389, 61066),

Gene: Jordan_34 Start: 28716, Stop: 29735, Start Num: 109

Candidate Starts for Jordan_34:

(Start: 109 @28716 has 27 MA's), (158, 28917), (161, 28929), (165, 28947), (174, 28977), (239, 29157), (242, 29163), (259, 29220), (287, 29295), (299, 29319), (321, 29406), (345, 29478), (347, 29484), (419, 29661),

Gene: JrWilcox_97 Start: 53551, Stop: 54615, Start Num: 111

Candidate Starts for JrWilcox_97:

(29, 53251), (Start: 111 @53551 has 1 MA's), (158, 53749), (175, 53824), (212, 53944), (239, 54049), (257, 54106), (295, 54220), (310, 54289), (316, 54307), (326, 54337), (342, 54385), (398, 54541), (417, 54580),

Gene: JuJu_64 Start: 41181, Stop: 42110, Start Num: 118

Candidate Starts for JuJu_64:

(49, 40989), (60, 41031), (62, 41055), (83, 41127), (Start: 118 @41181 has 15 MA's), (Start: 124 @41196 has 8 MA's), (133, 41238), (134, 41241), (140, 41274), (144, 41301), (148, 41313), (214, 41538), (229, 41589), (235, 41613), (258, 41667), (262, 41685), (276, 41733), (283, 41754), (302, 41805), (309, 41832), (351, 41964),

Gene: Juno112_39 Start: 25003, Stop: 26016, Start Num: 99

Candidate Starts for Juno112_39:

(81, 24979), (Start: 99 @25003 has 77 MA's), (Start: 106 @25018 has 14 MA's), (156, 25207), (165, 25249), (168, 25255), (169, 25264), (190, 25336), (199, 25363), (226, 25444), (229, 25453), (234, 25474), (247, 25522), (298, 25693), (306, 25723), (312, 25750), (325, 25789), (342, 25837), (354,

25882),

Gene: JustASigh_52 Start: 36846, Stop: 37820, Start Num: 106

Candidate Starts for JustASigh_52:

(Start: 106 @36846 has 14 MA's), (116, 36867), (148, 37020), (150, 37032), (184, 37143), (195, 37185), (205, 37209), (223, 37272), (235, 37323), (239, 37335), (307, 37530), (318, 37572), (351, 37674), (356, 37695),

Gene: KBurrousTX_46 Start: 37722, Stop: 38675, Start Num: 108

Candidate Starts for KBurrousTX_46:

(Start: 108 @37722 has 20 MA's), (131, 37797), (139, 37833), (144, 37866), (148, 37878), (172, 37971), (178, 37986), (179, 37989), (184, 38001), (186, 38007), (199, 38052), (208, 38073), (211, 38085), (229, 38145), (239, 38181), (258, 38232), (273, 38289), (284, 38322), (287, 38331), (317, 38430), (346, 38520), (351, 38535), (371, 38586), (396, 38658),

Gene: KHumphrey_40 Start: 25002, Stop: 26015, Start Num: 99

Candidate Starts for KHumphrey_40:

(81, 24978), (Start: 99 @25002 has 77 MA's), (Start: 106 @25017 has 14 MA's), (156, 25206), (165, 25248), (168, 25254), (169, 25263), (190, 25335), (199, 25362), (226, 25443), (229, 25452), (234, 25473), (247, 25521), (298, 25692), (306, 25722), (312, 25749), (325, 25788), (342, 25836), (354, 25881),

Gene: Kabreeze_46 Start: 36470, Stop: 37423, Start Num: 108

Candidate Starts for Kabreeze_46:

(Start: 108 @36470 has 20 MA's), (139, 36581), (144, 36614), (148, 36626), (172, 36719), (179, 36737), (184, 36749), (186, 36755), (199, 36800), (208, 36821), (211, 36833), (229, 36893), (231, 36899), (239, 36929), (254, 36968), (258, 36980), (273, 37037), (284, 37070), (317, 37178), (341, 37250), (351, 37283), (371, 37334), (393, 37397), (396, 37406),

Gene: Kamashten_46 Start: 40534, Stop: 41661, Start Num: 98

Candidate Starts for Kamashten_46:

(Start: 98 @40534 has 60 MA's), (Start: 118 @40573 has 15 MA's), (138, 40666), (144, 40708), (146, 40714), (158, 40765), (167, 40798), (190, 40873), (195, 40894), (242, 41017), (250, 41050), (258, 41071), (278, 41146), (315, 41284), (352, 41398), (358, 41425), (378, 41485), (405, 41551), (413, 41566), (419, 41584),

Gene: KappaFarmDelta_59 Start: 37409, Stop: 38338, Start Num: 118

Candidate Starts for KappaFarmDelta_59:

(Start: 118 @37409 has 15 MA's), (Start: 124 @37424 has 8 MA's), (133, 37466), (134, 37469), (144, 37529), (148, 37541), (214, 37766), (229, 37817), (235, 37841), (258, 37895), (276, 37961), (283, 37982), (302, 38033), (309, 38060), (318, 38090), (351, 38192),

Gene: Keitabear_48 Start: 42189, Stop: 43352, Start Num: 98

Candidate Starts for Keitabear_48:

(Start: 98 @42189 has 60 MA's), (Start: 118 @42228 has 15 MA's), (138, 42321), (144, 42363), (146, 42369), (158, 42420), (167, 42453), (190, 42528), (195, 42549), (242, 42672), (250, 42705), (258, 42726), (278, 42801), (315, 42939), (352, 43053), (361, 43101), (363, 43116), (378, 43176), (405, 43242), (413, 43257), (419, 43275),

Gene: KendraB23_48 Start: 26357, Stop: 27385, Start Num: 99

Candidate Starts for KendraB23_48:

(76, 26315), (Start: 99 @26357 has 77 MA's), (Start: 106 @26372 has 14 MA's), (144, 26522), (162, 26594), (190, 26696), (234, 26834), (242, 26858), (247, 26882), (258, 26915), (274, 26978), (282,

27005), (298, 27053), (342, 27197),

Gene: Kepler_42 Start: 25807, Stop: 26829, Start Num: 99

Candidate Starts for Kepler_42:

(Start: 99 @25807 has 77 MA's), (Start: 106 @25822 has 14 MA's), (Start: 118 @25849 has 15 MA's), (129, 25885), (144, 25972), (168, 26065), (190, 26146), (199, 26173), (214, 26218), (229, 26266), (234, 26287), (247, 26335), (274, 26431), (282, 26458), (312, 26563), (342, 26650), (348, 26671), (354, 26695),

Gene: Kevin1_49 Start: 32486, Stop: 33493, Start Num: 107

Candidate Starts for Kevin1_49:

(Start: 107 @32486 has 44 MA's), (138, 32597), (140, 32606), (144, 32633), (158, 32684), (159, 32687), (174, 32744), (177, 32753), (213, 32837), (230, 32888), (235, 32912), (239, 32924), (315, 33155), (320, 33173), (328, 33194), (332, 33209), (350, 33263), (351, 33266), (353, 33275), (358, 33293), (377, 33323), (413, 33404),

Gene: Kewpiedoll_48 Start: 41475, Stop: 42602, Start Num: 98

Candidate Starts for Kewpiedoll_48:

(Start: 98 @41475 has 60 MA's), (Start: 118 @41514 has 15 MA's), (138, 41607), (146, 41655), (158, 41706), (167, 41739), (190, 41814), (195, 41835), (242, 41958), (250, 41991), (258, 42012), (278, 42087), (315, 42225), (352, 42339), (358, 42366), (378, 42426), (405, 42492), (413, 42507), (419, 42525),

Gene: Kinbote_54 Start: 38780, Stop: 39871, Start Num: 54

Candidate Starts for Kinbote_54:

(12, 38507), (17, 38537), (23, 38630), (34, 38714), (Start: 54 @38780 has 10 MA's), (56, 38789), (Start: 79 @38858 has 1 MA's), (Start: 106 @38900 has 14 MA's), (140, 39011), (144, 39038), (148, 39050), (163, 39107), (178, 39158), (214, 39269), (227, 39317), (248, 39398), (266, 39464), (272, 39482), (273, 39485), (287, 39527), (324, 39641), (347, 39710), (351, 39722), (365, 39755), (380, 39794),

Gene: King2_32 Start: 28450, Stop: 29478, Start Num: 109

Candidate Starts for King2_32:

(Start: 109 @28450 has 27 MA's), (153, 28633), (158, 28651), (165, 28681), (171, 28696), (235, 28879), (239, 28891), (292, 29041), (299, 29053), (347, 29218), (359, 29260), (377, 29296),

Gene: KingstonB_81 Start: 52248, Stop: 53261, Start Num: 99

Candidate Starts for KingstonB_81:

(50, 52086), (Start: 94 @52239 has 3 MA's), (Start: 99 @52248 has 77 MA's), (149, 52434), (158, 52473), (163, 52491), (190, 52584), (221, 52653), (242, 52734), (252, 52773), (268, 52833), (287, 52869), (289, 52875), (301, 52908), (318, 52974), (337, 53031), (420, 53238),

Gene: Klevey_37 Start: 28353, Stop: 29405, Start Num: 99

Candidate Starts for Klevey_37:

(Start: 99 @28353 has 77 MA's), (158, 28563), (163, 28581), (190, 28671), (267, 28908), (268, 28911),

Gene: Kroos_48 Start: 41345, Stop: 42472, Start Num: 98

Candidate Starts for Kroos_48:

(69, 41276), (Start: 98 @41345 has 60 MA's), (Start: 118 @41384 has 15 MA's), (138, 41477), (144, 41519), (146, 41525), (158, 41576), (169, 41615), (195, 41705), (250, 41861), (258, 41882), (266, 41915), (278, 41957), (315, 42095), (352, 42209), (358, 42236), (378, 42296), (405, 42362), (419, 42395),

Gene: Kuleana_42 Start: 25383, Stop: 26405, Start Num: 99

Candidate Starts for Kuleana_42:

(Start: 99 @25383 has 77 MA's), (Start: 106 @25398 has 14 MA's), (Start: 118 @25425 has 15 MA's), (165, 25635), (168, 25641), (169, 25650), (190, 25722), (199, 25749), (210, 25776), (214, 25794), (234, 25863), (242, 25887), (247, 25911), (274, 26007), (282, 26034), (296, 26073), (342, 26226), (348, 26247), (354, 26271),

Gene: Kwekel_45 Start: 37890, Stop: 39044, Start Num: 98

Candidate Starts for Kwekel_45:

(Start: 98 @37890 has 60 MA's), (138, 38019), (144, 38061), (146, 38067), (158, 38118), (195, 38247), (199, 38253), (230, 38331), (242, 38373), (250, 38406), (258, 38427), (312, 38646), (328, 38691), (335, 38715), (344, 38739), (358, 38790), (378, 38859), (383, 38871), (394, 38910), (400, 38919), (405, 38925), (413, 38940), (416, 38949), (424, 39006),

Gene: Kwobi_49 Start: 41331, Stop: 42458, Start Num: 98

Candidate Starts for Kwobi_49:

(69, 41262), (Start: 98 @41331 has 60 MA's), (Start: 118 @41370 has 15 MA's), (138, 41463), (144, 41505), (146, 41511), (158, 41562), (169, 41601), (195, 41691), (250, 41847), (258, 41868), (266, 41901), (278, 41943), (315, 42081), (352, 42195), (369, 42261), (374, 42270), (378, 42282), (405, 42348), (413, 42363), (419, 42381),

Gene: Laphuphu24k_38 Start: 24987, Stop: 26000, Start Num: 99

Candidate Starts for Laphuphu24k_38:

(81, 24963), (Start: 99 @24987 has 77 MA's), (Start: 106 @25002 has 14 MA's), (156, 25191), (165, 25233), (168, 25239), (169, 25248), (190, 25320), (199, 25347), (226, 25428), (229, 25437), (234, 25458), (247, 25506), (298, 25677), (306, 25707), (312, 25734), (325, 25773), (342, 25821), (354, 25866),

Gene: LeeroyJ_34 Start: 28804, Stop: 29823, Start Num: 109

Candidate Starts for LeeroyJ_34:

(Start: 109 @28804 has 27 MA's), (139, 28921), (158, 29005), (161, 29017), (165, 29035), (175, 29071), (239, 29245), (242, 29251), (259, 29308), (268, 29347), (287, 29383), (292, 29395), (299, 29407), (377, 29650), (423, 29770),

Gene: Lennon_48 Start: 42278, Stop: 43441, Start Num: 98

Candidate Starts for Lennon_48:

(Start: 98 @42278 has 60 MA's), (Start: 118 @42317 has 15 MA's), (138, 42410), (144, 42452), (146, 42458), (158, 42509), (167, 42542), (190, 42617), (195, 42638), (242, 42761), (250, 42794), (258, 42815), (278, 42890), (315, 43028), (352, 43142), (361, 43190), (363, 43205), (378, 43265), (405, 43331), (413, 43346), (419, 43364),

Gene: Leona_39 Start: 25074, Stop: 26087, Start Num: 99

Candidate Starts for Leona_39:

(81, 25050), (Start: 99 @25074 has 77 MA's), (Start: 106 @25089 has 14 MA's), (117, 25107), (150, 25257), (156, 25278), (165, 25320), (190, 25407), (199, 25434), (226, 25515), (229, 25524), (234, 25545), (247, 25593), (298, 25764), (306, 25794), (312, 25821), (325, 25860), (342, 25908), (354, 25953),

Gene: Leonard_47 Start: 40587, Stop: 41741, Start Num: 95

Candidate Starts for Leonard_47:

(Start: 95 @40587 has 9 MA's), (103, 40602), (129, 40671), (138, 40728), (140, 40737), (144, 40770), (146, 40776), (158, 40824), (169, 40863), (176, 40893), (183, 40911), (184, 40914), (186, 40923), (228, 41031), (239, 41076), (242, 41082), (250, 41115), (258, 41136), (275, 41199), (303, 41313),

(312, 41355), (315, 41361), (358, 41499), (413, 41643), (424, 41709),

Gene: LilHam_45 Start: 39953, Stop: 41077, Start Num: 98

Candidate Starts for LilHam_45:

(69, 39884), (Start: 98 @39953 has 60 MA's), (Start: 118 @39989 has 15 MA's), (138, 40082), (144, 40124), (146, 40130), (158, 40181), (169, 40220), (195, 40310), (250, 40466), (258, 40487), (266, 40520), (278, 40562), (315, 40700), (352, 40814), (358, 40841), (378, 40901), (405, 40967), (419, 41000),

Gene: LilHazelNut_55 Start: 38900, Stop: 39871, Start Num: 106

Candidate Starts for LilHazelNut_55:

(12, 38507), (17, 38537), (23, 38630), (34, 38714), (Start: 54 @38780 has 10 MA's), (56, 38789), (Start: 79 @38858 has 1 MA's), (Start: 106 @38900 has 14 MA's), (140, 39011), (144, 39038), (148, 39050), (163, 39107), (178, 39158), (214, 39269), (227, 39317), (248, 39398), (266, 39464), (272, 39482), (273, 39485), (287, 39527), (324, 39641), (347, 39710), (351, 39722), (365, 39755), (380, 39794),

Gene: Lilbeanie_51 Start: 37513, Stop: 38625, Start Num: 88

Candidate Starts for Lilbeanie_51:

(Start: 88 @37513 has 2 MA's), (101, 37537), (140, 37675), (150, 37723), (158, 37753), (163, 37771), (182, 37837), (183, 37840), (190, 37864), (234, 37981), (242, 38005), (247, 38029), (281, 38137), (303, 38179), (377, 38395), (405, 38467), (418, 38497), (424, 38548),

Gene: Lilmac1015_39 Start: 28926, Stop: 29978, Start Num: 99

Candidate Starts for Lilmac1015_39:

(Start: 99 @28926 has 77 MA's), (158, 29136), (163, 29154), (190, 29244), (267, 29481), (268, 29484),

Gene: Linus_46 Start: 36603, Stop: 37556, Start Num: 108

Candidate Starts for Linus_46:

(Start: 108 @36603 has 20 MA's), (139, 36714), (144, 36747), (148, 36759), (172, 36852), (179, 36870), (184, 36882), (186, 36888), (199, 36933), (208, 36954), (211, 36966), (229, 37026), (239, 37062), (254, 37101), (258, 37113), (273, 37170), (284, 37203), (299, 37245), (317, 37311), (319, 37317), (341, 37383), (351, 37416), (371, 37467), (396, 37539),

Gene: LittleTokyo_40 Start: 24933, Stop: 25961, Start Num: 99

Candidate Starts for LittleTokyo_40:

(Start: 99 @24933 has 77 MA's), (Start: 106 @24948 has 14 MA's), (150, 25128), (156, 25149), (168, 25197), (190, 25278), (193, 25290), (199, 25305), (244, 25452), (245, 25461), (247, 25467), (261, 25515), (288, 25608), (342, 25782), (348, 25803), (354, 25827), (369, 25857),

Gene: Love_52 Start: 42726, Stop: 43853, Start Num: 98

Candidate Starts for Love_52:

(Start: 98 @42726 has 60 MA's), (Start: 118 @42765 has 15 MA's), (138, 42858), (144, 42900), (146, 42906), (158, 42957), (167, 42990), (190, 43065), (195, 43086), (242, 43209), (250, 43242), (258, 43263), (278, 43338), (315, 43476), (352, 43590), (358, 43617), (378, 43677), (405, 43743), (413, 43758), (419, 43776),

Gene: Lozinak_88 Start: 54455, Stop: 55495, Start Num: 92

Candidate Starts for Lozinak_88:

(Start: 90 @54452 has 7 MA's), (Start: 92 @54455 has 8 MA's), (139, 54602), (144, 54635), (156, 54686), (181, 54785), (188, 54806), (195, 54830), (235, 54959), (239, 54971), (284, 55097), (307, 55160), (317, 55199), (340, 55268), (344, 55280), (357, 55328), (375, 55361), (401, 55430), (421, 55478),

Gene: Luke_54 Start: 38735, Stop: 39826, Start Num: 54

Candidate Starts for Luke_54:

(12, 38462), (17, 38492), (23, 38585), (34, 38669), (Start: 54 @38735 has 10 MA's), (56, 38744), (Start: 79 @38813 has 1 MA's), (Start: 106 @38855 has 14 MA's), (140, 38966), (144, 38993), (148, 39005), (163, 39062), (178, 39113), (214, 39224), (227, 39272), (248, 39353), (266, 39419), (272, 39437), (273, 39440), (287, 39482), (324, 39596), (347, 39665), (351, 39677), (365, 39710), (380, 39749),

Gene: Lukepolites_36 Start: 28340, Stop: 29587, Start Num: 97

Candidate Starts for Lukepolites_36:

(97, 28340), (123, 28394), (190, 28667), (231, 28769), (242, 28805), (248, 28832), (258, 28862), (287, 28937), (323, 29060), (418, 29315), (425, 29510),

Gene: Luna22_52 Start: 38764, Stop: 39855, Start Num: 54

Candidate Starts for Luna22_52:

(12, 38491), (17, 38521), (23, 38614), (34, 38698), (Start: 54 @38764 has 10 MA's), (56, 38773), (Start: 79 @38842 has 1 MA's), (Start: 106 @38884 has 14 MA's), (140, 38995), (144, 39022), (148, 39034), (163, 39091), (178, 39142), (214, 39253), (227, 39301), (248, 39382), (266, 39448), (272, 39466), (273, 39469), (287, 39511), (324, 39625), (347, 39694), (351, 39706), (365, 39739), (380, 39778),

Gene: Lunar_42 Start: 25723, Stop: 26745, Start Num: 99

Candidate Starts for Lunar_42:

(Start: 99 @25723 has 77 MA's), (Start: 106 @25738 has 14 MA's), (Start: 118 @25765 has 15 MA's), (129, 25801), (144, 25888), (168, 25981), (190, 26062), (199, 26089), (214, 26134), (229, 26182), (234, 26203), (247, 26251), (274, 26347), (282, 26374), (342, 26566), (348, 26587), (354, 26611),

Gene: Lymara_46 Start: 36430, Stop: 37383, Start Num: 108

Candidate Starts for Lymara_46:

(105, 36424), (Start: 108 @36430 has 20 MA's), (131, 36505), (134, 36514), (139, 36541), (144, 36574), (148, 36586), (172, 36679), (184, 36709), (186, 36715), (199, 36760), (208, 36781), (225, 36835), (229, 36853), (231, 36859), (239, 36889), (254, 36928), (258, 36940), (273, 36997), (284, 37030), (299, 37072), (309, 37111), (317, 37138), (341, 37210), (351, 37243), (371, 37294), (396, 37366),

Gene: Lysidious_59 Start: 39422, Stop: 40312, Start Num: 124

Candidate Starts for Lysidious_59:

(11, 38894), (41, 39173), (64, 39272), (Start: 99 @39371 has 77 MA's), (Start: 106 @39383 has 14 MA's), (Start: 124 @39422 has 8 MA's), (131, 39458), (148, 39539), (184, 39662), (235, 39827), (239, 39839), (257, 39878), (258, 39881), (259, 39884), (350, 40175), (351, 40178), (399, 40289), (408, 40298),

Gene: Magsby_47 Start: 32459, Stop: 33469, Start Num: 107

Candidate Starts for Magsby_47:

(Start: 107 @32459 has 44 MA's), (132, 32534), (138, 32573), (140, 32582), (144, 32609), (158, 32660), (159, 32663), (164, 32687), (213, 32813), (230, 32864), (235, 32888), (239, 32900), (247, 32930), (312, 33122), (315, 33131), (320, 33149), (334, 33191), (350, 33239), (353, 33251), (413, 33380),

Gene: Makar_85 Start: 52565, Stop: 53590, Start Num: 94

Candidate Starts for Makar_85:

(16, 52163), (37, 52355), (50, 52412), (67, 52481), (Start: 94 @52565 has 3 MA's), (Start: 99 @52574 has 77 MA's), (149, 52763), (158, 52802), (163, 52820), (190, 52913), (241, 53060), (268, 53162), (287, 53198), (311, 53282), (337, 53360), (341, 53369), (353, 53411), (420, 53567),

Gene: Malachai_56 Start: 39249, Stop: 40178, Start Num: 118

Candidate Starts for Malachai_56:

(49, 39057), (60, 39099), (62, 39123), (83, 39195), (Start: 118 @39249 has 15 MA's), (Start: 124 @39264 has 8 MA's), (133, 39306), (134, 39309), (144, 39369), (148, 39381), (214, 39606), (229, 39657), (235, 39681), (258, 39735), (276, 39801), (283, 39822), (302, 39873), (309, 39900), (318, 39930), (351, 40032),

Gene: Martha_34 Start: 28721, Stop: 29740, Start Num: 109

Candidate Starts for Martha_34:

(Start: 109 @28721 has 27 MA's), (158, 28922), (161, 28934), (165, 28952), (174, 28982), (175, 28988), (239, 29162), (242, 29168), (259, 29225), (287, 29300), (299, 29324), (300, 29333), (321, 29411), (345, 29483), (347, 29489), (419, 29666),

Gene: Mask_63 Start: 49866, Stop: 50870, Start Num: 107

Candidate Starts for Mask_63:

(Start: 107 @49866 has 44 MA's), (140, 49989), (144, 50016), (158, 50067), (159, 50070), (164, 50094), (213, 50220), (230, 50271), (235, 50295), (239, 50307), (242, 50313), (247, 50337), (251, 50349), (312, 50529), (315, 50538), (323, 50559), (328, 50571), (348, 50634), (351, 50643), (377, 50700), (402, 50766), (413, 50781),

Gene: McCrothy_48 Start: 41885, Stop: 43006, Start Num: 98

Candidate Starts for McCrothy_48:

(74, 41846), (Start: 98 @41885 has 60 MA's), (Start: 118 @41921 has 15 MA's), (138, 42014), (144, 42056), (146, 42062), (158, 42113), (167, 42146), (190, 42221), (195, 42242), (242, 42365), (250, 42398), (258, 42419), (278, 42494), (315, 42632), (352, 42746), (358, 42773), (378, 42833), (405, 42899), (413, 42914), (419, 42932),

Gene: McKinley_50 Start: 42099, Stop: 43259, Start Num: 98

Candidate Starts for McKinley_50:

(Start: 98 @42099 has 60 MA's), (Start: 118 @42138 has 15 MA's), (138, 42231), (144, 42273), (146, 42279), (158, 42330), (167, 42363), (190, 42438), (195, 42459), (242, 42582), (250, 42615), (258, 42636), (278, 42711), (315, 42849), (352, 42963), (363, 43026), (378, 43086), (405, 43152), (413, 43167), (419, 43185),

Gene: MelBins_48 Start: 40737, Stop: 41921, Start Num: 95

Candidate Starts for MelBins_48:

(Start: 95 @40737 has 9 MA's), (129, 40821), (140, 40887), (144, 40920), (146, 40926), (158, 40974), (169, 41013), (176, 41043), (183, 41061), (184, 41064), (186, 41073), (239, 41223), (242, 41229), (250, 41262), (258, 41283), (275, 41346), (303, 41460), (312, 41502), (358, 41646), (361, 41667), (363, 41682), (413, 41823), (424, 41889),

Gene: Melba_56 Start: 37292, Stop: 38221, Start Num: 119

Candidate Starts for Melba_56:

(Start: 119 @37292 has 32 MA's), (Start: 124 @37307 has 8 MA's), (134, 37352), (140, 37385), (144, 37412), (148, 37424), (214, 37649), (235, 37724), (258, 37778), (276, 37844), (283, 37865), (302, 37916), (309, 37943), (318, 37973), (351, 38075),

Gene: Mellie_56 Start: 37432, Stop: 38322, Start Num: 124

Candidate Starts for Mellie_56:

(6, 36670), (41, 37183), (64, 37282), (Start: 99 @37381 has 77 MA's), (Start: 106 @37393 has 14 MA's), (Start: 124 @37432 has 8 MA's), (131, 37468), (148, 37549), (184, 37672), (235, 37837), (239, 37849), (257, 37888), (319, 38089), (347, 38176), (350, 38185), (351, 38188), (386, 38266), (399, 38299), (408, 38308),

Gene: Melons_42 Start: 25537, Stop: 26559, Start Num: 99

Candidate Starts for Melons_42:

(Start: 99 @25537 has 77 MA's), (Start: 106 @25552 has 14 MA's), (Start: 118 @25579 has 15 MA's), (129, 25615), (144, 25702), (168, 25795), (190, 25876), (199, 25903), (214, 25948), (229, 25996), (234, 26017), (247, 26065), (274, 26161), (282, 26188), (342, 26380), (348, 26401), (354, 26425),

Gene: Melville_50 Start: 32443, Stop: 33453, Start Num: 107

Candidate Starts for Melville_50:

(Start: 107 @32443 has 44 MA's), (132, 32518), (138, 32557), (140, 32566), (144, 32593), (158, 32644), (159, 32647), (164, 32671), (213, 32797), (230, 32848), (235, 32872), (239, 32884), (247, 32914), (312, 33106), (315, 33115), (320, 33133), (334, 33175), (350, 33223), (353, 33235), (413, 33364),

Gene: MicyPS_78 Start: 50576, Stop: 49539, Start Num: 112

Candidate Starts for MicyPS_78:

(Start: 112 @50576 has 2 MA's), (148, 50414), (156, 50369), (262, 50000), (264, 49991), (359, 49652), (376, 49622),

Gene: MintFen_58 Start: 37863, Stop: 38792, Start Num: 119

Candidate Starts for MintFen_58:

(4, 37089), (33, 37614), (60, 37713), (85, 37812), (Start: 92 @37824 has 8 MA's), (Start: 119 @37863 has 32 MA's), (Start: 124 @37878 has 8 MA's), (134, 37923), (144, 37983), (148, 37995), (214, 38220), (229, 38271), (235, 38295), (258, 38349), (276, 38415), (283, 38436), (302, 38487), (309, 38514), (318, 38544), (351, 38646),

Gene: Miskis_80 Start: 52360, Stop: 53400, Start Num: 92

Candidate Starts for Miskis_80:

(Start: 90 @52357 has 7 MA's), (Start: 92 @52360 has 8 MA's), (139, 52507), (144, 52540), (156, 52591), (181, 52690), (188, 52711), (195, 52735), (235, 52864), (239, 52876), (284, 53002), (307, 53065), (317, 53104), (340, 53173), (344, 53185), (357, 53233), (375, 53266), (401, 53335), (421, 53383),

Gene: MissRona_59 Start: 39737, Stop: 40666, Start Num: 119

Candidate Starts for MissRona_59:

(Start: 119 @39737 has 32 MA's), (Start: 124 @39752 has 8 MA's), (134, 39797), (144, 39857), (148, 39869), (184, 40004), (214, 40094), (229, 40145), (235, 40169), (237, 40172), (258, 40223), (276, 40289), (283, 40310), (302, 40361), (307, 40379), (351, 40520), (370, 40565), (386, 40604), (404, 40643),

Gene: ModicumRichard_39 Start: 32352, Stop: 33365, Start Num: 102

Candidate Starts for ModicumRichard_39:

(Start: 102 @32352 has 5 MA's), (127, 32415), (137, 32472), (139, 32478), (148, 32523), (165, 32595), (205, 32715), (213, 32742), (239, 32835), (242, 32841), (249, 32856), (256, 32865), (258, 32871), (317, 33069), (319, 33075), (331, 33111), (356, 33195), (387, 33267), (411, 33321),

Gene: Mollymur_95 Start: 64969, Stop: 63935, Start Num: 99

Candidate Starts for Mollymur_95:

(96, 64975), (Start: 99 @64969 has 77 MA's), (138, 64843), (152, 64768), (155, 64753), (156, 64750), (176, 64663), (183, 64645), (194, 64603), (235, 64465), (243, 64444), (256, 64423), (258, 64417), (284, 64327), (302, 64282), (307, 64264), (313, 64237), (322, 64207), (330, 64183), (344, 64144), (347, 64132),

Gene: MoontowerMania_48 Start: 41934, Stop: 43061, Start Num: 98

Candidate Starts for MoontowerMania_48:

(Start: 98 @41934 has 60 MA's), (Start: 118 @41973 has 15 MA's), (138, 42066), (144, 42108), (146, 42114), (158, 42165), (167, 42198), (190, 42273), (195, 42294), (242, 42417), (250, 42450), (258, 42471), (278, 42546), (315, 42684), (352, 42798), (358, 42825), (378, 42885), (405, 42951), (413, 42966), (419, 42984),

Gene: Mordred_46 Start: 36470, Stop: 37423, Start Num: 108

Candidate Starts for Mordred_46:

(Start: 108 @36470 has 20 MA's), (139, 36581), (144, 36614), (148, 36626), (172, 36719), (179, 36737), (184, 36749), (186, 36755), (199, 36800), (208, 36821), (211, 36833), (229, 36893), (231, 36899), (239, 36929), (254, 36968), (258, 36980), (273, 37037), (284, 37070), (317, 37178), (341, 37250), (351, 37283), (371, 37334), (393, 37397), (396, 37406),

Gene: Morgana_39 Start: 32303, Stop: 33316, Start Num: 102

Candidate Starts for Morgana_39:

(13, 31865), (18, 31892), (19, 31895), (20, 31931), (40, 32096), (52, 32144), (91, 32285), (Start: 102 @32303 has 5 MA's), (137, 32423), (139, 32429), (148, 32474), (205, 32666), (239, 32786), (242, 32792), (249, 32807), (258, 32822), (317, 33020), (319, 33026), (331, 33062), (348, 33116), (356, 33146), (387, 33218), (406, 33260), (411, 33272),

Gene: MoyaNatalis_46 Start: 36463, Stop: 37416, Start Num: 108

Candidate Starts for MoyaNatalis_46:

(Start: 108 @36463 has 20 MA's), (139, 36574), (144, 36607), (148, 36619), (172, 36712), (179, 36730), (184, 36742), (186, 36748), (199, 36793), (208, 36814), (211, 36826), (229, 36886), (231, 36892), (239, 36922), (254, 36961), (258, 36973), (273, 37030), (284, 37063), (299, 37105), (317, 37171), (319, 37177), (341, 37243), (351, 37276), (371, 37327), (396, 37399),

Gene: Murp_58 Start: 40682, Stop: 41611, Start Num: 119

Candidate Starts for Murp_58:

(76, 40601), (Start: 119 @40682 has 32 MA's), (Start: 124 @40697 has 8 MA's), (133, 40739), (134, 40742), (140, 40775), (144, 40802), (148, 40814), (214, 41039), (229, 41090), (258, 41168), (276, 41234), (283, 41255), (302, 41306), (309, 41333), (318, 41363), (351, 41465),

Gene: Nandito_37 Start: 28626, Stop: 29672, Start Num: 99

Candidate Starts for Nandito_37:

(Start: 99 @28626 has 77 MA's), (158, 28836), (163, 28854), (190, 28944), (315, 29313),

Gene: NathanVaag_32 Start: 28464, Stop: 29492, Start Num: 109

Candidate Starts for NathanVaag_32:

(Start: 109 @28464 has 27 MA's), (139, 28581), (153, 28647), (158, 28665), (165, 28695), (174, 28725), (239, 28905), (259, 28968), (299, 29067), (347, 29232), (377, 29310),

Gene: Natkenzie_50 Start: 42409, Stop: 43563, Start Num: 100

Candidate Starts for Natkenzie_50:

(Start: 100 @42409 has 15 MA's), (Start: 118 @42448 has 15 MA's), (138, 42541), (140, 42550), (144, 42583), (146, 42589), (154, 42625), (158, 42640), (167, 42673), (169, 42679), (195, 42772), (250, 42928), (256, 42943), (275, 43012), (278, 43024), (281, 43042), (328, 43213), (352, 43288), (374,

43372), (400, 43444), (405, 43450), (424, 43531),

Gene: Nenae_51 Start: 33350, Stop: 34360, Start Num: 107

Candidate Starts for Nenae_51:

(Start: 107 @33350 has 44 MA's), (138, 33464), (140, 33473), (144, 33500), (158, 33551), (159, 33554), (177, 33620), (186, 33647), (230, 33755), (234, 33773), (239, 33791), (320, 34040), (350, 34130), (353, 34142), (377, 34190), (413, 34271),

Gene: Niblet_37 Start: 25739, Stop: 26767, Start Num: 99

Candidate Starts for Niblet_37:

(76, 25706), (Start: 99 @25739 has 77 MA's), (Start: 106 @25754 has 14 MA's), (144, 25904), (162, 25976), (165, 25991), (168, 25997), (183, 26054), (190, 26078), (195, 26099), (234, 26216), (244, 26249), (258, 26297), (274, 26360), (282, 26387), (298, 26435), (342, 26579),

Gene: Nordenberg_43 Start: 40917, Stop: 42038, Start Num: 98

Candidate Starts for Nordenberg_43:

(74, 40878), (Start: 98 @40917 has 60 MA's), (Start: 118 @40953 has 15 MA's), (138, 41046), (144, 41088), (146, 41094), (158, 41145), (167, 41178), (190, 41253), (195, 41274), (242, 41397), (250, 41430), (258, 41451), (278, 41526), (315, 41664), (352, 41778), (358, 41805), (378, 41865), (405, 41931), (413, 41946), (419, 41964),

Gene: Norvs_88 Start: 53861, Stop: 54904, Start Num: 90

Candidate Starts for Norvs_88:

(Start: 90 @53861 has 7 MA's), (Start: 92 @53864 has 8 MA's), (139, 54011), (144, 54044), (156, 54095), (181, 54194), (188, 54215), (195, 54239), (235, 54368), (239, 54380), (284, 54506), (307, 54569), (317, 54608), (340, 54677), (344, 54689), (357, 54737), (375, 54770), (401, 54839), (421, 54887),

Gene: Nostromo_33 Start: 27783, Stop: 28817, Start Num: 109

Candidate Starts for Nostromo_33:

(42, 27585), (Start: 109 @27783 has 27 MA's), (139, 27900), (144, 27933), (153, 27966), (158, 27984), (165, 28014), (173, 28038), (190, 28092), (239, 28224), (287, 28362), (299, 28386), (300, 28395), (346, 28545), (407, 28689), (414, 28704), (424, 28770),

Gene: NovoPizza_55 Start: 39554, Stop: 40510, Start Num: 113

Candidate Starts for NovoPizza_55:

(39, 39314), (56, 39386), (60, 39398), (Start: 79 @39482 has 1 MA's), (Start: 113 @39554 has 1 MA's), (144, 39686), (148, 39698), (163, 39755), (178, 39806), (204, 39884), (212, 39908), (214, 39917), (235, 40004), (253, 40061), (257, 40073), (264, 40103), (272, 40130), (292, 40187), (315, 40262), (351, 40373), (380, 40445),

Gene: Nymphadora_59 Start: 41290, Stop: 42219, Start Num: 119

Candidate Starts for Nymphadora_59:

(40, 41056), (41, 41062), (46, 41080), (60, 41134), (62, 41158), (83, 41230), (85, 41233), (86, 41236), (Start: 119 @41290 has 32 MA's), (Start: 124 @41305 has 8 MA's), (133, 41347), (134, 41350), (144, 41410), (148, 41422), (214, 41647), (229, 41698), (235, 41722), (258, 41776), (262, 41794), (276, 41842), (283, 41863), (302, 41914), (307, 41932), (309, 41941), (351, 42073),

Gene: OBUpride_55 Start: 38914, Stop: 39885, Start Num: 106

Candidate Starts for OBUpride_55:

(12, 38521), (15, 38542), (17, 38551), (23, 38644), (34, 38728), (Start: 54 @38794 has 10 MA's), (56, 38803), (Start: 79 @38872 has 1 MA's), (Start: 106 @38914 has 14 MA's), (140, 39025), (144, 39052), (148, 39064), (163, 39121), (178, 39172), (214, 39283), (227, 39331), (248, 39412), (258, 39442),

(266, 39478), (272, 39496), (273, 39499), (287, 39541), (317, 39631), (322, 39649), (324, 39655),
(347, 39724), (351, 39736), (365, 39769), (380, 39808),

Gene: ObLaDi_39 Start: 32337, Stop: 33350, Start Num: 102

Candidate Starts for ObLaDi_39:

(71, 32259), (86, 32310), (Start: 102 @32337 has 5 MA's), (114, 32364), (137, 32457), (139, 32463),
(148, 32508), (205, 32700), (239, 32820), (242, 32826), (249, 32841), (256, 32850), (258, 32856),
(319, 33060), (331, 33096), (356, 33180), (387, 33252), (406, 33294), (411, 33306),

Gene: Obliviate_54 Start: 35860, Stop: 36789, Start Num: 118

Candidate Starts for Obliviate_54:

(Start: 118 @35860 has 15 MA's), (Start: 124 @35875 has 8 MA's), (133, 35917), (134, 35920), (144, 35980),
(148, 35992), (214, 36217), (229, 36268), (235, 36292), (258, 36346), (276, 36412), (283, 36433),
(302, 36484), (309, 36511), (318, 36541), (351, 36643),

Gene: OneUp_78 Start: 51739, Stop: 52776, Start Num: 93

Candidate Starts for OneUp_78:

(Start: 93 @51739 has 2 MA's), (156, 51964), (235, 52234), (239, 52246), (277, 52351), (284, 52372),
(311, 52456), (375, 52636), (389, 52672), (395, 52696), (421, 52753),

Gene: Oppalora_39 Start: 25001, Stop: 26014, Start Num: 99

Candidate Starts for Oppalora_39:

(81, 24977), (Start: 99 @25001 has 77 MA's), (Start: 106 @25016 has 14 MA's), (156, 25205), (165, 25247),
(168, 25253), (169, 25262), (190, 25334), (199, 25361), (226, 25442), (229, 25451), (234, 25472),
(247, 25520), (298, 25691), (306, 25721), (312, 25748), (325, 25787), (342, 25835), (354, 25880),

Gene: Orcanus_38 Start: 25714, Stop: 26742, Start Num: 99

Candidate Starts for Orcanus_38:

(Start: 99 @25714 has 77 MA's), (Start: 106 @25729 has 14 MA's), (144, 25879), (162, 25951), (190, 26053),
(195, 26074), (234, 26191), (242, 26215), (247, 26239), (258, 26272), (274, 26335), (282, 26362),
(298, 26410), (342, 26554),

Gene: OtsoOtso_41 Start: 24913, Stop: 25935, Start Num: 99

Candidate Starts for OtsoOtso_41:

(Start: 99 @24913 has 77 MA's), (Start: 106 @24928 has 14 MA's), (Start: 118 @24955 has 15 MA's),
(129, 24991), (144, 25078), (168, 25171), (190, 25252), (199, 25279), (214, 25324), (229, 25372),
(234, 25393), (247, 25441), (274, 25537), (282, 25564), (342, 25756), (348, 25777), (354, 25801),

Gene: PCoral7_58 Start: 39007, Stop: 39936, Start Num: 118

Candidate Starts for PCoral7_58:

(48, 38803), (60, 38848), (62, 38872), (Start: 88 @38953 has 2 MA's), (Start: 118 @39007 has 15 MA's),
(Start: 124 @39022 has 8 MA's), (133, 39064), (134, 39067), (139, 39094), (144, 39127), (148, 39139),
(214, 39364), (229, 39415), (235, 39439), (258, 39493), (276, 39559), (283, 39580), (302, 39631),
(307, 39649), (351, 39790), (385, 39868),

Gene: PFR1_35 Start: 26634, Stop: 27539, Start Num: 126

Candidate Starts for PFR1_35:

(Start: 99 @26565 has 77 MA's), (Start: 113 @26595 has 1 MA's), (126, 26634), (138, 26697), (139, 26700),
(151, 26757), (229, 27015), (243, 27060), (258, 27087), (267, 27129), (279, 27168), (306, 27243),
(309, 27255), (322, 27300), (328, 27315), (332, 27330), (341, 27354), (351, 27387),

Gene: PFR2_37 Start: 28203, Stop: 29108, Start Num: 126

Candidate Starts for PFR2_37:

(Start: 99 @28134 has 77 MA's), (Start: 113 @28164 has 1 MA's), (126, 28203), (138, 28266), (139, 28269), (151, 28326), (229, 28584), (243, 28629), (258, 28656), (267, 28698), (279, 28737), (306, 28812), (309, 28824), (322, 28869), (328, 28884), (332, 28899), (341, 28923), (351, 28956),

Gene: PSonyx_99 Start: 55351, Stop: 54314, Start Num: 112

Candidate Starts for PSonyx_99:

(Start: 112 @55351 has 2 MA's), (148, 55189), (156, 55144), (164, 55105), (242, 54847), (264, 54766), (359, 54427),

Gene: Panchino_44 Start: 32985, Stop: 33995, Start Num: 107

Candidate Starts for Panchino_44:

(Start: 107 @32985 has 44 MA's), (132, 33060), (138, 33099), (140, 33108), (144, 33135), (158, 33186), (159, 33189), (177, 33255), (186, 33282), (230, 33390), (234, 33408), (239, 33426), (320, 33675), (350, 33765), (353, 33777), (377, 33825), (413, 33906),

Gene: Paries_51 Start: 42388, Stop: 43509, Start Num: 98

Candidate Starts for Paries_51:

(74, 42349), (Start: 98 @42388 has 60 MA's), (Start: 118 @42424 has 15 MA's), (138, 42517), (144, 42559), (146, 42565), (158, 42616), (167, 42649), (190, 42724), (195, 42745), (242, 42868), (250, 42901), (258, 42922), (278, 42997), (315, 43135), (352, 43249), (358, 43276), (378, 43336), (405, 43402), (413, 43417), (419, 43435),

Gene: Parmesanjohn_47 Start: 32462, Stop: 33472, Start Num: 107

Candidate Starts for Parmesanjohn_47:

(Start: 107 @32462 has 44 MA's), (132, 32537), (138, 32576), (140, 32585), (144, 32612), (158, 32663), (159, 32666), (164, 32690), (213, 32816), (230, 32867), (235, 32891), (239, 32903), (247, 32933), (312, 33125), (315, 33134), (320, 33152), (334, 33194), (350, 33242), (353, 33254), (413, 33383),

Gene: Pelletreau_47 Start: 26164, Stop: 27192, Start Num: 99

Candidate Starts for Pelletreau_47:

(Start: 99 @26164 has 77 MA's), (Start: 106 @26179 has 14 MA's), (144, 26329), (162, 26401), (190, 26503), (234, 26641), (242, 26665), (247, 26689), (258, 26722), (274, 26785), (282, 26812), (298, 26860), (342, 27004),

Gene: Petra_55 Start: 36512, Stop: 37441, Start Num: 118

Candidate Starts for Petra_55:

(Start: 118 @36512 has 15 MA's), (Start: 124 @36527 has 8 MA's), (133, 36569), (134, 36572), (140, 36605), (144, 36632), (148, 36644), (214, 36869), (235, 36944), (258, 36998), (276, 37064), (283, 37085), (302, 37136), (309, 37163), (318, 37193), (351, 37295),

Gene: PhancyPhin_51 Start: 33344, Stop: 34354, Start Num: 107

Candidate Starts for PhancyPhin_51:

(Start: 107 @33344 has 44 MA's), (138, 33458), (140, 33467), (144, 33494), (158, 33545), (159, 33548), (177, 33614), (186, 33641), (230, 33749), (234, 33767), (239, 33785), (320, 34034), (350, 34124), (353, 34136), (377, 34184), (413, 34265),

Gene: Phauci_40 Start: 37439, Stop: 38590, Start Num: 95

Candidate Starts for Phauci_40:

(Start: 95 @37439 has 9 MA's), (129, 37523), (140, 37589), (144, 37622), (146, 37628), (158, 37676), (169, 37715), (176, 37745), (180, 37754), (183, 37763), (184, 37766), (186, 37775), (239, 37925), (242, 37931), (250, 37964), (258, 37985), (275, 38048), (303, 38162), (312, 38204), (413, 38492),

(424, 38558),

Gene: Phinally_47 Start: 40584, Stop: 41738, Start Num: 95

Candidate Starts for Phinally_47:

(Start: 95 @40584 has 9 MA's), (103, 40599), (129, 40668), (138, 40725), (140, 40734), (144, 40767), (146, 40773), (158, 40821), (169, 40860), (176, 40890), (183, 40908), (184, 40911), (186, 40920), (228, 41028), (239, 41073), (242, 41079), (250, 41112), (258, 41133), (275, 41196), (303, 41310), (312, 41352), (315, 41358), (358, 41496), (413, 41640), (424, 41706),

Gene: PhinkBoden_87 Start: 54243, Stop: 55286, Start Num: 90

Candidate Starts for PhinkBoden_87:

(Start: 90 @54243 has 7 MA's), (Start: 92 @54246 has 8 MA's), (139, 54393), (144, 54426), (156, 54477), (181, 54576), (188, 54597), (195, 54621), (235, 54750), (239, 54762), (256, 54792), (284, 54888), (287, 54897), (307, 54951), (317, 54990), (340, 55059), (357, 55119), (375, 55152), (382, 55170), (421, 55269),

Gene: PhirstandPhine_42 Start: 25683, Stop: 26705, Start Num: 99

Candidate Starts for PhirstandPhine_42:

(Start: 99 @25683 has 77 MA's), (Start: 106 @25698 has 14 MA's), (Start: 118 @25725 has 15 MA's), (129, 25761), (144, 25848), (168, 25941), (190, 26022), (199, 26049), (214, 26094), (229, 26142), (234, 26163), (247, 26211), (274, 26307), (282, 26334), (342, 26526), (348, 26547), (354, 26571),

Gene: Phloss_45 Start: 31869, Stop: 32879, Start Num: 107

Candidate Starts for Phloss_45:

(Start: 107 @31869 has 44 MA's), (132, 31944), (138, 31983), (140, 31992), (144, 32019), (158, 32070), (159, 32073), (164, 32097), (213, 32223), (230, 32274), (235, 32298), (239, 32310), (247, 32340), (312, 32532), (315, 32541), (320, 32559), (334, 32601), (350, 32649), (353, 32661), (413, 32790),

Gene: PhluffyCoco_40 Start: 24999, Stop: 26012, Start Num: 99

Candidate Starts for PhluffyCoco_40:

(81, 24975), (Start: 99 @24999 has 77 MA's), (Start: 106 @25014 has 14 MA's), (156, 25203), (165, 25245), (168, 25251), (169, 25260), (190, 25332), (199, 25359), (226, 25440), (229, 25449), (234, 25470), (247, 25518), (298, 25689), (306, 25719), (312, 25746), (325, 25785), (342, 25833), (354, 25878),

Gene: Phrann_48 Start: 33627, Stop: 34637, Start Num: 107

Candidate Starts for Phrann_48:

(Start: 107 @33627 has 44 MA's), (138, 33741), (140, 33750), (144, 33777), (158, 33828), (159, 33831), (177, 33897), (186, 33924), (230, 34032), (234, 34050), (239, 34068), (320, 34317), (350, 34407), (353, 34419), (377, 34467), (413, 34548),

Gene: PhrostedPhlake_59 Start: 37294, Stop: 38223, Start Num: 118

Candidate Starts for PhrostedPhlake_59:

(Start: 118 @37294 has 15 MA's), (Start: 124 @37309 has 8 MA's), (134, 37354), (140, 37387), (144, 37414), (148, 37426), (184, 37561), (214, 37651), (229, 37702), (235, 37726), (237, 37729), (258, 37780), (276, 37846), (283, 37867), (302, 37918), (307, 37936), (351, 38077), (370, 38122), (404, 38200),

Gene: Piccoletto_32 Start: 28465, Stop: 29493, Start Num: 109

Candidate Starts for Piccoletto_32:

(Start: 109 @28465 has 27 MA's), (139, 28582), (153, 28648), (158, 28666), (165, 28696), (174, 28726), (239, 28906), (259, 28969), (299, 29068), (347, 29233), (377, 29311),

Gene: Pineda_42 Start: 25209, Stop: 26231, Start Num: 99

Candidate Starts for Pineda_42:

(Start: 99 @25209 has 77 MA's), (Start: 106 @25224 has 14 MA's), (Start: 118 @25251 has 15 MA's), (129, 25287), (144, 25374), (168, 25467), (190, 25548), (199, 25575), (214, 25620), (229, 25668), (234, 25689), (247, 25737), (274, 25833), (282, 25860), (342, 26052), (348, 26073), (354, 26097),

Gene: Pipp_60 Start: 38559, Stop: 39488, Start Num: 119

Candidate Starts for Pipp_60:

(85, 38508), (Start: 92 @38520 has 8 MA's), (Start: 119 @38559 has 32 MA's), (Start: 124 @38574 has 8 MA's), (134, 38619), (144, 38679), (148, 38691), (184, 38826), (214, 38916), (229, 38967), (235, 38991), (258, 39045), (272, 39099), (276, 39111), (283, 39132), (302, 39183), (309, 39210), (318, 39240), (351, 39342),

Gene: Pippa_34 Start: 28845, Stop: 29864, Start Num: 109

Candidate Starts for Pippa_34:

(Start: 109 @28845 has 27 MA's), (158, 29046), (161, 29058), (165, 29076), (175, 29112), (230, 29250), (239, 29286), (259, 29349), (287, 29424), (299, 29448), (300, 29457), (419, 29790), (423, 29811), (424, 29838),

Gene: Pipsqueaks_47 Start: 32439, Stop: 33449, Start Num: 107

Candidate Starts for Pipsqueaks_47:

(Start: 107 @32439 has 44 MA's), (132, 32514), (138, 32553), (140, 32562), (144, 32589), (158, 32640), (159, 32643), (164, 32667), (213, 32793), (230, 32844), (235, 32868), (239, 32880), (247, 32910), (312, 33102), (315, 33111), (320, 33129), (334, 33171), (350, 33219), (353, 33231), (413, 33360),

Gene: Polka_40 Start: 24913, Stop: 25935, Start Num: 99

Candidate Starts for Polka_40:

(Start: 99 @24913 has 77 MA's), (Start: 106 @24928 has 14 MA's), (Start: 118 @24955 has 15 MA's), (129, 24991), (144, 25078), (168, 25171), (190, 25252), (199, 25279), (214, 25324), (229, 25372), (234, 25393), (247, 25441), (274, 25537), (282, 25564), (342, 25756), (348, 25777), (354, 25801),

Gene: Prairie_36 Start: 28272, Stop: 29321, Start Num: 99

Candidate Starts for Prairie_36:

(Start: 99 @28272 has 77 MA's), (158, 28482), (163, 28500), (190, 28590), (267, 28827), (268, 28830),

Gene: PrincePatrick_57 Start: 37356, Stop: 38285, Start Num: 118

Candidate Starts for PrincePatrick_57:

(48, 37152), (60, 37197), (62, 37221), (Start: 88 @37302 has 2 MA's), (Start: 118 @37356 has 15 MA's), (Start: 124 @37371 has 8 MA's), (133, 37413), (134, 37416), (139, 37443), (144, 37476), (148, 37488), (178, 37608), (214, 37713), (235, 37788), (258, 37842), (276, 37908), (283, 37929), (288, 37944), (302, 37980), (307, 37998), (309, 38007), (321, 38049), (340, 38103), (347, 38127), (351, 38139),

Gene: PrincessTrina_46 Start: 36606, Stop: 37559, Start Num: 108

Candidate Starts for PrincessTrina_46:

(Start: 108 @36606 has 20 MA's), (139, 36717), (144, 36750), (148, 36762), (172, 36855), (179, 36873), (184, 36885), (186, 36891), (199, 36936), (208, 36957), (211, 36969), (229, 37029), (239, 37065), (254, 37104), (258, 37116), (273, 37173), (284, 37206), (299, 37248), (317, 37314), (319, 37320), (341, 37386), (351, 37419), (371, 37470), (396, 37542),

Gene: Pumpkiney_51 Start: 39724, Stop: 40899, Start Num: 100

Candidate Starts for Pumpkiney_51:

(Start: 100 @39724 has 15 MA's), (Start: 106 @39736 has 14 MA's), (Start: 118 @39763 has 15 MA's), (138, 39856), (140, 39865), (144, 39898), (146, 39904), (154, 39940), (158, 39955), (167, 39988), (169, 39994), (195, 40087), (198, 40096), (242, 40231), (250, 40264), (256, 40279), (258, 40285), (275, 40348), (281, 40378), (328, 40549), (352, 40624), (374, 40708), (400, 40780), (405, 40786), (413, 40801), (424, 40867),

Gene: Purgamenstris_51 Start: 33348, Stop: 34358, Start Num: 107

Candidate Starts for Purgamenstris_51:

(Start: 107 @33348 has 44 MA's), (138, 33462), (140, 33471), (144, 33498), (158, 33549), (159, 33552), (177, 33618), (186, 33645), (230, 33753), (234, 33771), (239, 33789), (320, 34038), (350, 34128), (353, 34140), (377, 34188), (413, 34269),

Gene: Purplicious_82 Start: 52080, Stop: 53093, Start Num: 99

Candidate Starts for Purplicious_82:

(50, 51918), (67, 51987), (Start: 94 @52071 has 3 MA's), (Start: 99 @52080 has 77 MA's), (149, 52266), (158, 52305), (163, 52323), (190, 52416), (221, 52485), (242, 52566), (252, 52605), (268, 52665), (287, 52701), (289, 52707), (301, 52740), (318, 52806), (337, 52863), (420, 53070),

Gene: REQ3_09 Start: 3808, Stop: 4743, Start Num: 115

Candidate Starts for REQ3_09:

(115, 3808), (136, 3889), (157, 3982), (221, 4180), (234, 4219), (236, 4228), (239, 4237), (242, 4243), (264, 4312), (274, 4345), (275, 4348), (286, 4381), (317, 4480),

Gene: Rattail_40 Start: 25085, Stop: 26098, Start Num: 99

Candidate Starts for Rattail_40:

(81, 25061), (Start: 99 @25085 has 77 MA's), (Start: 106 @25100 has 14 MA's), (156, 25289), (165, 25331), (168, 25337), (169, 25346), (190, 25418), (199, 25445), (226, 25526), (229, 25535), (234, 25556), (247, 25604), (298, 25775), (306, 25805), (312, 25832), (325, 25871), (342, 25919), (354, 25964),

Gene: Raymond7_45 Start: 33136, Stop: 34146, Start Num: 107

Candidate Starts for Raymond7_45:

(Start: 107 @33136 has 44 MA's), (138, 33250), (140, 33259), (144, 33286), (158, 33337), (159, 33340), (177, 33406), (186, 33433), (230, 33541), (234, 33559), (239, 33577), (320, 33826), (350, 33916), (353, 33928), (377, 33976), (413, 34057),

Gene: Rebel_43 Start: 29478, Stop: 30488, Start Num: 107

Candidate Starts for Rebel_43:

(Start: 107 @29478 has 44 MA's), (138, 29592), (140, 29601), (144, 29628), (158, 29679), (159, 29682), (177, 29748), (186, 29775), (230, 29883), (234, 29901), (239, 29919), (320, 30168), (350, 30258), (353, 30270), (377, 30318), (413, 30399),

Gene: RedFox_40 Start: 24998, Stop: 26011, Start Num: 99

Candidate Starts for RedFox_40:

(81, 24974), (Start: 99 @24998 has 77 MA's), (Start: 106 @25013 has 14 MA's), (156, 25202), (165, 25244), (168, 25250), (169, 25259), (190, 25331), (199, 25358), (226, 25439), (229, 25448), (234, 25469), (247, 25517), (298, 25688), (306, 25718), (312, 25745), (325, 25784), (342, 25832), (354, 25877),

Gene: Redi_51 Start: 33347, Stop: 34357, Start Num: 107

Candidate Starts for Redi_51:

(Start: 107 @33347 has 44 MA's), (138, 33461), (140, 33470), (144, 33497), (158, 33548), (159, 33551), (177, 33617), (186, 33644), (230, 33752), (234, 33770), (239, 33788), (320, 34037), (350, 34127), (353, 34139), (377, 34187), (413, 34268),

Gene: Rem711_53 Start: 36671, Stop: 37591, Start Num: 110

Candidate Starts for Rem711_53:

(Start: 110 @36671 has 1 MA's), (Start: 119 @36689 has 32 MA's), (131, 36740), (133, 36746), (148, 36821), (195, 36986), (213, 37034), (215, 37046), (238, 37136), (240, 37139), (263, 37217), (347, 37475), (351, 37487), (366, 37523),

Gene: Renna12_39 Start: 25056, Stop: 26069, Start Num: 99

Candidate Starts for Renna12_39:

(77, 25014), (Start: 99 @25056 has 77 MA's), (Start: 106 @25071 has 14 MA's), (149, 25230), (156, 25260), (165, 25302), (168, 25308), (169, 25317), (190, 25389), (199, 25416), (226, 25497), (229, 25506), (234, 25527), (298, 25746), (306, 25776), (312, 25803), (342, 25890), (354, 25935), (396, 26037), (403, 26046),

Gene: Ribeye_48 Start: 41766, Stop: 42890, Start Num: 98

Candidate Starts for Ribeye_48:

(69, 41697), (Start: 98 @41766 has 60 MA's), (Start: 118 @41802 has 15 MA's), (138, 41895), (144, 41937), (146, 41943), (158, 41994), (169, 42033), (195, 42123), (250, 42279), (258, 42300), (266, 42333), (278, 42375), (315, 42513), (352, 42627), (358, 42654), (378, 42714), (405, 42780), (419, 42813),

Gene: RiverRaider_49 Start: 40177, Stop: 41307, Start Num: 98

Candidate Starts for RiverRaider_49:

(Start: 98 @40177 has 60 MA's), (138, 40315), (140, 40324), (144, 40357), (146, 40363), (158, 40414), (167, 40447), (169, 40453), (180, 40489), (195, 40543), (242, 40666), (250, 40699), (258, 40720), (278, 40795), (315, 40933), (332, 40987), (352, 41047), (374, 41122), (379, 41137), (400, 41194), (405, 41200), (419, 41233),

Gene: RoadKill_43 Start: 37465, Stop: 38649, Start Num: 98

Candidate Starts for RoadKill_43:

(51, 37324), (Start: 98 @37465 has 60 MA's), (138, 37594), (144, 37636), (146, 37642), (158, 37693), (195, 37822), (242, 37948), (250, 37981), (258, 38002), (312, 38221), (328, 38266), (335, 38290), (344, 38314), (358, 38365), (362, 38392), (378, 38464), (383, 38476), (394, 38515), (400, 38524), (405, 38530), (413, 38545), (416, 38554), (424, 38611),

Gene: Rofo_48 Start: 41463, Stop: 42809, Start Num: 32

Candidate Starts for Rofo_48:

(5, 40968), (24, 41394), (Start: 32 @41463 has 1 MA's), (47, 41526), (57, 41565), (61, 41592), (Start: 118 @41721 has 15 MA's), (138, 41814), (144, 41856), (146, 41862), (158, 41913), (167, 41946), (190, 42021), (195, 42042), (242, 42165), (250, 42198), (258, 42219), (278, 42294), (315, 42432), (352, 42546), (358, 42573), (378, 42633), (405, 42699), (413, 42714), (419, 42732),

Gene: RosiePosie_46 Start: 36473, Stop: 37426, Start Num: 108

Candidate Starts for RosiePosie_46:

(Start: 108 @36473 has 20 MA's), (139, 36584), (144, 36617), (148, 36629), (172, 36722), (179, 36740), (184, 36752), (186, 36758), (199, 36803), (208, 36824), (211, 36836), (229, 36896), (231, 36902), (239, 36932), (254, 36971), (258, 36983), (273, 37040), (284, 37073), (317, 37181), (341, 37253), (351, 37286), (371, 37337), (393, 37400), (396, 37409),

Gene: Rubeelu_50 Start: 33050, Stop: 34057, Start Num: 107

Candidate Starts for Rubeelu_50:

(34, 32807), (38, 32819), (55, 32885), (63, 32930), (Start: 107 @33050 has 44 MA's), (138, 33161), (140, 33170), (144, 33197), (158, 33248), (159, 33251), (174, 33308), (177, 33317), (213, 33401), (230, 33452), (235, 33476), (239, 33488), (315, 33719), (320, 33737), (328, 33758), (332, 33773), (350, 33827), (351, 33830), (353, 33839), (358, 33857), (377, 33887), (413, 33968),

Gene: Ruchi_37 Start: 25758, Stop: 26786, Start Num: 99

Candidate Starts for Ruchi_37:

(76, 25725), (Start: 99 @25758 has 77 MA's), (Start: 106 @25773 has 14 MA's), (144, 25923), (162, 25995), (168, 26016), (190, 26097), (197, 26121), (242, 26259), (247, 26283), (258, 26316), (274, 26379), (297, 26451), (342, 26598),

Gene: Samba_57 Start: 40085, Stop: 41014, Start Num: 119

Candidate Starts for Samba_57:

(85, 40034), (Start: 92 @40046 has 8 MA's), (Start: 119 @40085 has 32 MA's), (Start: 124 @40100 has 8 MA's), (133, 40142), (134, 40145), (144, 40205), (148, 40217), (214, 40442), (229, 40493), (235, 40517), (258, 40571), (276, 40637), (283, 40658), (302, 40709), (309, 40736), (318, 40766), (351, 40868),

Gene: Sampson_50 Start: 42354, Stop: 43508, Start Num: 100

Candidate Starts for Sampson_50:

(Start: 100 @42354 has 15 MA's), (Start: 118 @42393 has 15 MA's), (138, 42486), (140, 42495), (144, 42528), (146, 42534), (154, 42570), (158, 42585), (167, 42618), (169, 42624), (195, 42717), (250, 42873), (256, 42888), (275, 42957), (278, 42969), (281, 42987), (328, 43158), (352, 43233), (374, 43317), (400, 43389), (405, 43395), (424, 43476),

Gene: Sanjuju_47 Start: 42328, Stop: 43452, Start Num: 98

Candidate Starts for Sanjuju_47:

(Start: 98 @42328 has 60 MA's), (Start: 118 @42364 has 15 MA's), (138, 42457), (144, 42499), (146, 42505), (158, 42556), (167, 42589), (190, 42664), (195, 42685), (230, 42766), (242, 42808), (250, 42841), (258, 42862), (278, 42937), (315, 43075), (352, 43189), (378, 43276), (405, 43342), (413, 43357), (419, 43375),

Gene: Saronaya_47 Start: 40605, Stop: 41738, Start Num: 98

Candidate Starts for Saronaya_47:

(69, 40536), (Start: 98 @40605 has 60 MA's), (138, 40743), (144, 40785), (146, 40791), (158, 40842), (167, 40875), (169, 40881), (170, 40884), (195, 40971), (250, 41127), (258, 41148), (278, 41223), (315, 41361), (352, 41475), (358, 41502), (378, 41562), (405, 41628), (413, 41643), (419, 41661),

Gene: Scavito_46 Start: 36471, Stop: 37424, Start Num: 108

Candidate Starts for Scavito_46:

(Start: 108 @36471 has 20 MA's), (139, 36582), (144, 36615), (148, 36627), (172, 36720), (179, 36738), (184, 36750), (186, 36756), (199, 36801), (208, 36822), (211, 36834), (229, 36894), (231, 36900), (239, 36930), (254, 36969), (258, 36981), (273, 37038), (284, 37071), (317, 37179), (341, 37251), (351, 37284), (371, 37335), (393, 37398), (396, 37407),

Gene: Schnauzer_48 Start: 32462, Stop: 33472, Start Num: 107

Candidate Starts for Schnauzer_48:

(Start: 107 @32462 has 44 MA's), (132, 32537), (138, 32576), (140, 32585), (144, 32612), (158, 32663), (159, 32666), (164, 32690), (213, 32816), (230, 32867), (235, 32891), (239, 32903), (247, 32933), (312, 33125), (315, 33134), (320, 33152), (334, 33194), (350, 33242), (353, 33254), (413, 33383),

Gene: SchottB_46 Start: 41605, Stop: 42732, Start Num: 98

Candidate Starts for SchottB_46:

(69, 41536), (Start: 98 @41605 has 60 MA's), (Start: 118 @41644 has 15 MA's), (138, 41737), (144, 41779), (146, 41785), (158, 41836), (169, 41875), (195, 41965), (250, 42121), (258, 42142), (266, 42175), (278, 42217), (315, 42355), (352, 42469), (358, 42496), (378, 42556), (405, 42622), (419, 42655),

Gene: Scioto_51 Start: 42410, Stop: 43564, Start Num: 100

Candidate Starts for Scioto_51:

(Start: 100 @42410 has 15 MA's), (Start: 118 @42449 has 15 MA's), (138, 42542), (140, 42551), (144, 42584), (146, 42590), (154, 42626), (158, 42641), (167, 42674), (169, 42680), (195, 42773), (250, 42929), (256, 42944), (275, 43013), (278, 43025), (281, 43043), (328, 43214), (352, 43289), (374, 43373), (400, 43445), (405, 43451), (424, 43532),

Gene: Scitech_44 Start: 30478, Stop: 31488, Start Num: 107

Candidate Starts for Scitech_44:

(Start: 107 @30478 has 44 MA's), (132, 30553), (138, 30592), (140, 30601), (144, 30628), (158, 30679), (159, 30682), (164, 30706), (213, 30832), (230, 30883), (235, 30907), (239, 30919), (247, 30949), (312, 31141), (315, 31150), (320, 31168), (334, 31210), (350, 31258), (353, 31270), (413, 31399),

Gene: Sedona_48 Start: 41923, Stop: 43047, Start Num: 98

Candidate Starts for Sedona_48:

(74, 41884), (Start: 98 @41923 has 60 MA's), (Start: 118 @41959 has 15 MA's), (138, 42052), (144, 42094), (146, 42100), (158, 42151), (167, 42184), (190, 42259), (195, 42280), (242, 42403), (250, 42436), (258, 42457), (278, 42532), (315, 42670), (352, 42784), (378, 42871), (405, 42937), (413, 42952), (419, 42970),

Gene: Shade_34 Start: 28686, Stop: 29714, Start Num: 109

Candidate Starts for Shade_34:

(Start: 109 @28686 has 27 MA's), (123, 28722), (158, 28887), (165, 28917), (171, 28932), (182, 28968), (235, 29115), (239, 29127), (250, 29166), (287, 29265), (299, 29289), (300, 29298), (305, 29313), (347, 29454), (359, 29496),

Gene: Shen_37 Start: 24271, Stop: 25299, Start Num: 99

Candidate Starts for Shen_37:

(76, 24229), (Start: 99 @24271 has 77 MA's), (Start: 106 @24286 has 14 MA's), (144, 24436), (162, 24508), (190, 24610), (234, 24748), (242, 24772), (247, 24796), (258, 24829), (274, 24892), (282, 24919), (298, 24967), (342, 25111),

Gene: Shivanishola_48 Start: 40593, Stop: 41753, Start Num: 98

Candidate Starts for Shivanishola_48:

(74, 40554), (Start: 98 @40593 has 60 MA's), (Start: 118 @40629 has 15 MA's), (138, 40722), (144, 40764), (146, 40770), (158, 40821), (167, 40854), (190, 40929), (195, 40950), (242, 41073), (250, 41106), (258, 41127), (278, 41202), (315, 41340), (352, 41454), (361, 41502), (363, 41517), (378, 41577), (405, 41643), (413, 41658), (419, 41676),

Gene: ShrimpFriedEgg_51 Start: 33347, Stop: 34357, Start Num: 107

Candidate Starts for ShrimpFriedEgg_51:

(Start: 107 @33347 has 44 MA's), (138, 33461), (140, 33470), (144, 33497), (158, 33548), (159, 33551), (177, 33617), (186, 33644), (230, 33752), (234, 33770), (239, 33788), (320, 34037), (350, 34127), (353, 34139), (377, 34187), (413, 34268),

Gene: Shweta_45 Start: 31406, Stop: 32416, Start Num: 107

Candidate Starts for Shweta_45:

(Start: 107 @31406 has 44 MA's), (138, 31520), (140, 31529), (144, 31556), (158, 31607), (159, 31610), (164, 31634), (170, 31649), (199, 31742), (213, 31760), (230, 31811), (235, 31835), (239, 31847), (242, 31853), (247, 31877), (251, 31889), (320, 32096), (350, 32186), (353, 32198), (377, 32246), (413, 32327),

Gene: Sicarius2_35 Start: 28313, Stop: 29347, Start Num: 100

Candidate Starts for Sicarius2_35:

(Start: 100 @28313 has 15 MA's), (Start: 112 @28322 has 2 MA's), (123, 28352), (158, 28520), (165, 28550), (171, 28565), (216, 28685), (235, 28748), (239, 28760), (247, 28790), (287, 28898), (299, 28922), (305, 28946), (345, 29081), (347, 29087), (372, 29153), (377, 29165),

Gene: Silvafighter_48 Start: 32435, Stop: 33445, Start Num: 107

Candidate Starts for Silvafighter_48:

(Start: 107 @32435 has 44 MA's), (132, 32510), (138, 32549), (140, 32558), (144, 32585), (158, 32636), (159, 32639), (164, 32663), (213, 32789), (230, 32840), (235, 32864), (239, 32876), (247, 32906), (312, 33098), (315, 33107), (320, 33125), (334, 33167), (350, 33215), (353, 33227), (413, 33356),

Gene: Sitar_48 Start: 42278, Stop: 43441, Start Num: 98

Candidate Starts for Sitar_48:

(Start: 98 @42278 has 60 MA's), (Start: 118 @42317 has 15 MA's), (138, 42410), (144, 42452), (146, 42458), (158, 42509), (167, 42542), (190, 42617), (195, 42638), (242, 42761), (250, 42794), (258, 42815), (278, 42890), (315, 43028), (352, 43142), (361, 43190), (363, 43205), (378, 43265), (405, 43331), (413, 43346), (419, 43364),

Gene: Smoothie_89 Start: 54452, Stop: 55495, Start Num: 90

Candidate Starts for Smoothie_89:

(Start: 90 @54452 has 7 MA's), (Start: 92 @54455 has 8 MA's), (139, 54602), (144, 54635), (156, 54686), (181, 54785), (188, 54806), (195, 54830), (235, 54959), (239, 54971), (284, 55097), (307, 55160), (317, 55199), (340, 55268), (344, 55280), (357, 55328), (375, 55361), (401, 55430), (421, 55478),

Gene: Smurph_47 Start: 32462, Stop: 33472, Start Num: 107

Candidate Starts for Smurph_47:

(Start: 107 @32462 has 44 MA's), (132, 32537), (138, 32576), (140, 32585), (144, 32612), (158, 32663), (159, 32666), (164, 32690), (213, 32816), (230, 32867), (235, 32891), (239, 32903), (247, 32933), (312, 33125), (315, 33134), (320, 33152), (334, 33194), (350, 33242), (353, 33254), (413, 33383),

Gene: Snekmaggedon_45 Start: 31639, Stop: 32649, Start Num: 107

Candidate Starts for Snekmaggedon_45:

(Start: 107 @31639 has 44 MA's), (132, 31714), (138, 31753), (140, 31762), (144, 31789), (158, 31840), (159, 31843), (177, 31909), (186, 31936), (230, 32044), (234, 32062), (239, 32080), (320, 32329), (350, 32419), (353, 32431), (377, 32479), (413, 32560),

Gene: Soilmate_62 Start: 42430, Stop: 43359, Start Num: 119

Candidate Starts for Soilmate_62:

(59, 42268), (69, 42316), (76, 42349), (Start: 119 @42430 has 32 MA's), (Start: 124 @42445 has 8 MA's), (133, 42487), (134, 42490), (140, 42523), (144, 42550), (148, 42562), (214, 42787), (229, 42838), (235, 42862), (258, 42916), (262, 42934), (276, 42982), (283, 43003), (302, 43054), (309, 43081), (351, 43213),

Gene: Sonny_34 Start: 28716, Stop: 29744, Start Num: 109

Candidate Starts for Sonny_34:

(Start: 109 @28716 has 27 MA's), (123, 28752), (158, 28917), (165, 28947), (171, 28962), (235, 29145), (239, 29157), (250, 29196), (287, 29295), (299, 29319), (300, 29328), (305, 29343), (333, 29442), (347, 29484),

Gene: Soos_78 Start: 52041, Stop: 53054, Start Num: 99

Candidate Starts for Soos_78:

(50, 51879), (67, 51948), (Start: 94 @52032 has 3 MA's), (Start: 99 @52041 has 77 MA's), (149, 52227), (158, 52266), (163, 52284), (190, 52377), (221, 52446), (242, 52527), (252, 52566), (268, 52626), (287, 52662), (289, 52668), (301, 52701), (318, 52767), (337, 52824), (420, 53031),

Gene: SpeedDemon_960 Start: 66064, Stop: 65045, Start Num: 99

Candidate Starts for SpeedDemon_960:

(Start: 99 @66064 has 77 MA's), (121, 66022), (139, 65935), (156, 65851), (183, 65746), (194, 65704), (202, 65683), (218, 65629), (236, 65563), (242, 65548), (243, 65545), (244, 65539), (258, 65518), (264, 65491), (275, 65455), (284, 65428), (302, 65383), (311, 65344), (328, 65293), (330, 65284), (344, 65245), (347, 65233), (370, 65167),

Gene: Spinach_51 Start: 33347, Stop: 34357, Start Num: 107

Candidate Starts for Spinach_51:

(Start: 107 @33347 has 44 MA's), (138, 33461), (140, 33470), (144, 33497), (158, 33548), (159, 33551), (177, 33617), (186, 33644), (230, 33752), (234, 33770), (239, 33788), (320, 34037), (350, 34127), (353, 34139), (377, 34187), (413, 34268),

Gene: SpongeBob_45 Start: 31639, Stop: 32649, Start Num: 107

Candidate Starts for SpongeBob_45:

(Start: 107 @31639 has 44 MA's), (132, 31714), (138, 31753), (140, 31762), (144, 31789), (158, 31840), (159, 31843), (177, 31909), (186, 31936), (230, 32044), (234, 32062), (239, 32080), (320, 32329), (350, 32419), (353, 32431), (377, 32479), (413, 32560),

Gene: StevieBAY_34 Start: 28804, Stop: 29823, Start Num: 109

Candidate Starts for StevieBAY_34:

(Start: 109 @28804 has 27 MA's), (139, 28921), (158, 29005), (161, 29017), (165, 29035), (175, 29071), (239, 29245), (242, 29251), (259, 29308), (268, 29347), (287, 29383), (292, 29395), (299, 29407), (377, 29650),

Gene: Stichling_45 Start: 40125, Stop: 41252, Start Num: 98

Candidate Starts for Stichling_45:

(69, 40056), (Start: 98 @40125 has 60 MA's), (Start: 118 @40164 has 15 MA's), (138, 40257), (144, 40299), (146, 40305), (158, 40356), (169, 40395), (195, 40485), (250, 40641), (258, 40662), (266, 40695), (278, 40737), (315, 40875), (352, 40989), (358, 41016), (378, 41076), (405, 41142), (419, 41175),

Gene: Stillion_82 Start: 52962, Stop: 53975, Start Num: 99

Candidate Starts for Stillion_82:

(50, 52800), (Start: 94 @52953 has 3 MA's), (Start: 99 @52962 has 77 MA's), (149, 53148), (158, 53187), (163, 53205), (190, 53298), (221, 53367), (242, 53448), (252, 53487), (268, 53547), (287, 53583), (289, 53589), (301, 53622), (318, 53688), (337, 53745), (420, 53952),

Gene: Sting_81 Start: 52480, Stop: 53493, Start Num: 99

Candidate Starts for Sting_81:

(50, 52318), (67, 52387), (Start: 94 @52471 has 3 MA's), (Start: 99 @52480 has 77 MA's), (149, 52666), (158, 52705), (163, 52723), (190, 52816), (221, 52885), (242, 52966), (252, 53005), (268, 53065), (287, 53101), (289, 53107), (301, 53140), (318, 53206), (337, 53263), (420, 53470),

Gene: StorminNorm_47 Start: 40696, Stop: 41823, Start Num: 98

Candidate Starts for StorminNorm_47:

(69, 40627), (Start: 98 @40696 has 60 MA's), (Start: 118 @40735 has 15 MA's), (138, 40828), (144, 40870), (146, 40876), (158, 40927), (169, 40966), (195, 41056), (250, 41212), (258, 41233), (266, 41266), (278, 41308), (315, 41446), (352, 41560), (358, 41587), (378, 41647), (405, 41713), (419, 41746),

Gene: StuartMinion_32 Start: 22066, Stop: 23079, Start Num: 99

Candidate Starts for StuartMinion_32:

(81, 22033), (Start: 99 @22066 has 77 MA's), (Start: 106 @22081 has 14 MA's), (117, 22099), (149, 22240), (156, 22270), (165, 22312), (168, 22318), (190, 22399), (199, 22426), (226, 22507), (229, 22516), (234, 22537), (247, 22585), (298, 22756), (306, 22786), (342, 22900), (354, 22945), (403, 23056),

Gene: Stuck_59 Start: 41880, Stop: 42890, Start Num: 107

Candidate Starts for Stuck_59:

(Start: 107 @41880 has 44 MA's), (138, 41994), (140, 42003), (144, 42030), (158, 42081), (159, 42084), (164, 42108), (170, 42123), (199, 42216), (213, 42234), (230, 42285), (235, 42309), (239, 42321), (242, 42327), (247, 42351), (251, 42363), (320, 42570), (328, 42591), (350, 42660), (353, 42672), (413, 42801),

Gene: Stultus_47 Start: 41231, Stop: 42394, Start Num: 98

Candidate Starts for Stultus_47:

(Start: 98 @41231 has 60 MA's), (Start: 118 @41270 has 15 MA's), (138, 41363), (144, 41405), (146, 41411), (158, 41462), (167, 41495), (190, 41570), (195, 41591), (242, 41714), (250, 41747), (258, 41768), (278, 41843), (315, 41981), (352, 42095), (361, 42143), (363, 42158), (378, 42218), (405, 42284), (413, 42299), (419, 42317),

Gene: TaeYoung_34 Start: 28721, Stop: 29740, Start Num: 109

Candidate Starts for TaeYoung_34:

(Start: 109 @28721 has 27 MA's), (158, 28922), (161, 28934), (165, 28952), (174, 28982), (175, 28988), (239, 29162), (242, 29168), (259, 29225), (287, 29300), (299, 29324), (300, 29333), (321, 29411), (345, 29483), (347, 29489), (419, 29666),

Gene: Tangent_49 Start: 41305, Stop: 42432, Start Num: 98

Candidate Starts for Tangent_49:

(Start: 98 @41305 has 60 MA's), (Start: 118 @41344 has 15 MA's), (138, 41437), (144, 41479), (146, 41485), (158, 41536), (167, 41569), (190, 41644), (195, 41665), (242, 41788), (250, 41821), (258, 41842), (278, 41917), (315, 42055), (352, 42169), (358, 42196), (378, 42256), (405, 42322), (413, 42337), (419, 42355),

Gene: Tangerine_47 Start: 40477, Stop: 41601, Start Num: 98

Candidate Starts for Tangerine_47:

(69, 40408), (Start: 98 @40477 has 60 MA's), (Start: 118 @40513 has 15 MA's), (138, 40606), (144, 40648), (146, 40654), (158, 40705), (169, 40744), (195, 40834), (230, 40915), (250, 40990), (258, 41011), (278, 41086), (315, 41224), (352, 41338), (358, 41365), (369, 41404), (378, 41425), (405, 41491), (419, 41524),

Gene: Taotie_97 Start: 52561, Stop: 51515, Start Num: 108

Candidate Starts for Taotie_97:

(Start: 108 @52561 has 20 MA's), (148, 52390), (156, 52345), (242, 52048), (264, 51967), (271, 51940), (272, 51937), (359, 51628),

Gene: Tapioca_49 Start: 32428, Stop: 33438, Start Num: 107

Candidate Starts for Tapioca_49:

(Start: 107 @32428 has 44 MA's), (132, 32503), (138, 32542), (140, 32551), (144, 32578), (158, 32629), (159, 32632), (164, 32656), (213, 32782), (230, 32833), (235, 32857), (239, 32869), (247, 32899), (312, 33091), (315, 33100), (320, 33118), (334, 33160), (350, 33208), (353, 33220), (413, 33349),

Gene: Tardus_52 Start: 42085, Stop: 43260, Start Num: 100

Candidate Starts for Tardus_52:

(Start: 100 @42085 has 15 MA's), (Start: 118 @42124 has 15 MA's), (138, 42217), (140, 42226), (144, 42259), (146, 42265), (158, 42316), (167, 42349), (169, 42355), (195, 42448), (198, 42457), (242, 42592), (250, 42625), (256, 42640), (258, 42646), (275, 42709), (281, 42739), (328, 42910), (352, 42985), (374, 43069), (400, 43141), (405, 43147), (424, 43228),

Gene: TaylorSipht_38 Start: 25131, Stop: 26156, Start Num: 99

Candidate Starts for TaylorSipht_38:

(76, 25098), (Start: 99 @25131 has 77 MA's), (Start: 106 @25146 has 14 MA's), (Start: 118 @25173 has 15 MA's), (143, 25290), (144, 25296), (150, 25320), (173, 25416), (176, 25428), (183, 25446), (190, 25470), (193, 25482), (197, 25494), (234, 25608), (244, 25641), (260, 25695), (261, 25701), (274, 25749), (282, 25776), (342, 25968),

Gene: Tessdabest_48 Start: 32459, Stop: 33469, Start Num: 107

Candidate Starts for Tessdabest_48:

(Start: 107 @32459 has 44 MA's), (132, 32534), (138, 32573), (140, 32582), (144, 32609), (158, 32660), (159, 32663), (164, 32687), (213, 32813), (230, 32864), (235, 32888), (239, 32900), (247, 32930), (312, 33122), (315, 33131), (320, 33149), (334, 33191), (350, 33239), (353, 33251), (413, 33380),

Gene: Thing3_46 Start: 40534, Stop: 41661, Start Num: 98

Candidate Starts for Thing3_46:

(Start: 98 @40534 has 60 MA's), (Start: 118 @40573 has 15 MA's), (138, 40666), (144, 40708), (146, 40714), (158, 40765), (167, 40798), (190, 40873), (195, 40894), (242, 41017), (250, 41050), (258, 41071), (278, 41146), (315, 41284), (352, 41398), (358, 41425), (378, 41485), (405, 41551), (413, 41566), (419, 41584),

Gene: ThulaThula_52 Start: 36104, Stop: 37114, Start Num: 107

Candidate Starts for ThulaThula_52:

(Start: 107 @36104 has 44 MA's), (138, 36218), (140, 36227), (144, 36254), (158, 36305), (159, 36308), (164, 36332), (213, 36458), (230, 36509), (239, 36545), (247, 36575), (315, 36776), (320, 36794), (327, 36812), (350, 36884), (353, 36896), (402, 37010), (413, 37025),

Gene: Tiamoceli_46 Start: 38786, Stop: 39940, Start Num: 98

Candidate Starts for Tiamoceli_46:

(51, 38645), (Start: 98 @38786 has 60 MA's), (138, 38915), (144, 38957), (146, 38963), (158, 39014), (195, 39143), (199, 39149), (230, 39227), (242, 39269), (250, 39302), (258, 39323), (312, 39542), (328, 39587), (335, 39611), (344, 39635), (358, 39686), (378, 39755), (383, 39767), (394, 39806), (400, 39815), (405, 39821), (413, 39836), (416, 39845), (424, 39902),

Gene: TimTam_59 Start: 41290, Stop: 42219, Start Num: 119

Candidate Starts for TimTam_59:

(40, 41056), (41, 41062), (46, 41080), (60, 41134), (62, 41158), (83, 41230), (85, 41233), (86, 41236), (Start: 119 @41290 has 32 MA's), (Start: 124 @41305 has 8 MA's), (133, 41347), (134, 41350), (144, 41410), (148, 41422), (214, 41647), (229, 41698), (235, 41722), (258, 41776), (262, 41794), (276, 41842), (283, 41863), (302, 41914), (307, 41932), (309, 41941), (351, 42073),

Gene: Timinator_34 Start: 28804, Stop: 29823, Start Num: 109

Candidate Starts for Timinator_34:

(Start: 109 @28804 has 27 MA's), (139, 28921), (158, 29005), (161, 29017), (165, 29035), (175, 29071), (239, 29245), (242, 29251), (259, 29308), (268, 29347), (287, 29383), (292, 29395), (299, 29407), (377, 29650), (423, 29770),

Gene: Toad24_40 Start: 26410, Stop: 27438, Start Num: 99

Candidate Starts for Toad24_40:

(76, 26368), (Start: 99 @26410 has 77 MA's), (Start: 106 @26425 has 14 MA's), (144, 26575), (162, 26647), (190, 26749), (234, 26887), (242, 26911), (247, 26935), (258, 26968), (274, 27031), (282, 27058), (298, 27106), (342, 27250),

Gene: Toast_58 Start: 39007, Stop: 39936, Start Num: 118

Candidate Starts for Toast_58:

(48, 38803), (60, 38848), (62, 38872), (Start: 88 @38953 has 2 MA's), (Start: 118 @39007 has 15 MA's), (Start: 124 @39022 has 8 MA's), (133, 39064), (134, 39067), (139, 39094), (144, 39127), (148, 39139), (214, 39364), (229, 39415), (235, 39439), (258, 39493), (276, 39559), (283, 39580), (302, 39631), (307, 39649), (351, 39790), (385, 39868),

Gene: Toniann_88 Start: 53807, Stop: 54847, Start Num: 92

Candidate Starts for Toniann_88:

(Start: 90 @53804 has 7 MA's), (Start: 92 @53807 has 8 MA's), (139, 53954), (144, 53987), (156, 54038), (181, 54137), (188, 54158), (195, 54182), (235, 54311), (239, 54323), (284, 54449), (307, 54512), (317, 54551), (340, 54620), (344, 54632), (357, 54680), (375, 54713), (401, 54782), (421, 54830),

Gene: Tonitrus_67 Start: 48810, Stop: 49829, Start Num: 88

Candidate Starts for Tonitrus_67:

(Start: 88 @48810 has 2 MA's), (139, 48945), (144, 48984), (158, 49038), (163, 49056), (165, 49068), (190, 49146), (191, 49149), (214, 49194), (230, 49254), (239, 49287), (242, 49293), (251, 49329), (259, 49353), (267, 49389), (271, 49401), (287, 49428), (337, 49596), (358, 49668), (394, 49758),

Gene: Tophat_46 Start: 36472, Stop: 37425, Start Num: 108

Candidate Starts for Tophat_46:

(Start: 108 @36472 has 20 MA's), (139, 36583), (144, 36616), (148, 36628), (172, 36721), (179, 36739), (184, 36751), (186, 36757), (199, 36802), (208, 36823), (211, 36835), (229, 36895), (231, 36901), (239, 36931), (254, 36970), (258, 36982), (273, 37039), (284, 37072), (317, 37180), (341, 37252), (351, 37285), (371, 37336), (393, 37399), (396, 37408),

Gene: Tortoise12_46 Start: 31145, Stop: 32155, Start Num: 107

Candidate Starts for Tortoise12_46:

(Start: 107 @31145 has 44 MA's), (132, 31220), (138, 31259), (140, 31268), (144, 31295), (158, 31346), (159, 31349), (164, 31373), (213, 31499), (230, 31550), (235, 31574), (239, 31586), (247, 31616), (312, 31808), (315, 31817), (320, 31835), (334, 31877), (350, 31925), (353, 31937), (413, 32066),

Gene: Towmatter_84 Start: 59893, Stop: 58868, Start Num: 99

Candidate Starts for Towmatter_84:

(Start: 99 @59893 has 77 MA's), (Start: 108 @59878 has 20 MA's), (121, 59851), (156, 59680), (183, 59578), (194, 59536), (202, 59515), (235, 59398), (242, 59380), (243, 59377), (254, 59362), (256, 59356), (258, 59350), (284, 59260), (307, 59197), (309, 59188), (313, 59170), (330, 59116), (344, 59077),

Gene: TripleJ_54 Start: 32997, Stop: 33923, Start Num: 99

Candidate Starts for TripleJ_54:

(58, 32865), (Start: 99 @32997 has 77 MA's), (Start: 108 @33003 has 20 MA's), (136, 33111), (158, 33207), (160, 33213), (164, 33234), (208, 33354), (236, 33441), (239, 33450), (250, 33489), (261, 33528), (271, 33567), (300, 33627), (328, 33711), (351, 33774), (367, 33819),

Gene: Twonlo_43 Start: 37416, Stop: 38570, Start Num: 98

Candidate Starts for Twonlo_43:

(51, 37275), (Start: 98 @37416 has 60 MA's), (138, 37545), (144, 37587), (146, 37593), (158, 37644), (195, 37773), (242, 37899), (250, 37932), (258, 37953), (312, 38172), (328, 38217), (335, 38241), (344, 38265), (358, 38316), (378, 38385), (383, 38397), (394, 38436), (400, 38445), (405, 38451), (413, 38466), (416, 38475), (424, 38532),

Gene: Tycho_47 Start: 40564, Stop: 41691, Start Num: 98

Candidate Starts for Tycho_47:

(69, 40495), (Start: 98 @40564 has 60 MA's), (Start: 118 @40603 has 15 MA's), (138, 40696), (144, 40738), (146, 40744), (158, 40795), (169, 40834), (195, 40924), (250, 41080), (258, 41101), (266, 41134), (278, 41176), (315, 41314), (352, 41428), (358, 41455), (378, 41515), (405, 41581), (419, 41614),

Gene: Typha_65 Start: 45547, Stop: 46461, Start Num: 124

Candidate Starts for Typha_65:

(42, 45319), (60, 45385), (64, 45412), (78, 45466), (Start: 124 @45547 has 8 MA's), (144, 45652), (148, 45664), (150, 45676), (213, 45877), (233, 45949), (239, 45970), (242, 45976), (257, 46009), (258, 46012), (272, 46066), (302, 46147), (307, 46165), (351, 46306), (357, 46330),

Gene: Ubuntu_55 Start: 38858, Stop: 39871, Start Num: 79

Candidate Starts for Ubuntu_55:

(12, 38507), (17, 38537), (23, 38630), (34, 38714), (Start: 54 @38780 has 10 MA's), (56, 38789), (Start: 79 @38858 has 1 MA's), (Start: 106 @38900 has 14 MA's), (140, 39011), (144, 39038), (148, 39050), (163, 39107), (178, 39158), (214, 39269), (227, 39317), (248, 39398), (266, 39464), (272, 39482), (273, 39485), (287, 39527), (324, 39641), (347, 39710), (351, 39722), (365, 39755), (380, 39794),

Gene: UmaThurman_55 Start: 38004, Stop: 38933, Start Num: 118

Candidate Starts for UmaThurman_55:

(24, 37677), (40, 37776), (44, 37794), (49, 37812), (60, 37854), (62, 37878), (80, 37941), (83, 37950), (Start: 118 @38004 has 15 MA's), (Start: 124 @38019 has 8 MA's), (133, 38061), (134, 38064), (140, 38097), (144, 38124), (148, 38136), (214, 38361), (229, 38412), (235, 38436), (258, 38490), (262, 38508), (272, 38544), (276, 38556), (283, 38577), (302, 38628), (309, 38655), (351, 38787),

Gene: Utz_50 Start: 37832, Stop: 38761, Start Num: 119

Candidate Starts for Utz_50:

(Start: 119 @37832 has 32 MA's), (Start: 124 @37847 has 8 MA's), (134, 37892), (140, 37925), (144, 37952), (148, 37964), (214, 38189), (235, 38264), (258, 38318), (262, 38336), (272, 38372), (276, 38384), (283, 38405), (299, 38444), (302, 38456), (309, 38483), (318, 38513), (351, 38615),

Gene: ValentiniPuff_95 Start: 54258, Stop: 55337, Start Num: 111

Candidate Starts for ValentiniPuff_95:

(89, 54216), (Start: 111 @54258 has 1 MA's), (140, 54375), (158, 54453), (175, 54528), (213, 54639), (235, 54729), (239, 54741), (261, 54813), (314, 54993), (333, 55053), (342, 55077), (353, 55116), (354, 55122), (373, 55161), (398, 55233), (415, 55266),

Gene: VanLee_36 Start: 29374, Stop: 30321, Start Num: 104

Candidate Starts for VanLee_36:

(Start: 104 @29374 has 2 MA's), (Start: 111 @29389 has 1 MA's), (128, 29437), (135, 29485), (144, 29530), (148, 29542), (205, 29725), (234, 29827), (239, 29845), (242, 29851), (256, 29875), (258, 29881), (265, 29914), (280, 29962), (317, 30079), (356, 30205), (380, 30253),

Gene: Vasanti_54 Start: 35775, Stop: 36704, Start Num: 119

Candidate Starts for Vasanti_54:

(Start: 32 @35514 has 1 MA's), (35, 35529), (40, 35544), (41, 35550), (46, 35568), (60, 35622), (62, 35646), (82, 35712), (84, 35718), (Start: 119 @35775 has 32 MA's), (Start: 124 @35790 has 8 MA's), (133, 35832), (134, 35835), (140, 35868), (144, 35895), (148, 35907), (214, 36132), (235, 36207), (258, 36261), (272, 36315), (276, 36327), (302, 36399), (307, 36417), (309, 36426), (351, 36558),

Gene: Verity_50 Start: 43180, Stop: 44334, Start Num: 100

Candidate Starts for Verity_50:

(Start: 100 @43180 has 15 MA's), (Start: 118 @43219 has 15 MA's), (138, 43312), (140, 43321), (144, 43354), (146, 43360), (158, 43411), (167, 43444), (169, 43450), (195, 43543), (242, 43666), (250, 43699), (256, 43714), (258, 43720), (275, 43783), (278, 43795), (281, 43813), (328, 43984), (374, 44143), (405, 44221), (424, 44302),

Gene: ViaConlectus_50 Start: 41038, Stop: 42213, Start Num: 100

Candidate Starts for ViaConlectus_50:

(Start: 100 @41038 has 15 MA's), (Start: 106 @41050 has 14 MA's), (Start: 118 @41077 has 15 MA's), (138, 41170), (140, 41179), (144, 41212), (146, 41218), (154, 41254), (158, 41269), (167, 41302), (169, 41308), (195, 41401), (198, 41410), (242, 41545), (250, 41578), (251, 41581), (256, 41593), (258, 41599), (275, 41662), (281, 41692), (328, 41863), (352, 41938), (374, 42022), (400, 42094), (405, 42100), (413, 42115),

Gene: Vivi2_51 Start: 42332, Stop: 43459, Start Num: 98

Candidate Starts for Vivi2_51:

(Start: 98 @42332 has 60 MA's), (Start: 118 @42371 has 15 MA's), (138, 42464), (144, 42506), (146, 42512), (158, 42563), (167, 42596), (190, 42671), (195, 42692), (242, 42815), (250, 42848), (258, 42869), (278, 42944), (315, 43082), (352, 43196), (358, 43223), (378, 43283), (405, 43349), (413, 43364), (419, 43382),

Gene: Vulpecula_37 Start: 25435, Stop: 26463, Start Num: 99

Candidate Starts for Vulpecula_37:

(76, 25402), (Start: 99 @25435 has 77 MA's), (Start: 106 @25450 has 14 MA's), (144, 25600), (162, 25672), (165, 25687), (168, 25693), (190, 25774), (197, 25798), (242, 25936), (247, 25960), (258, 25993), (274, 26056), (297, 26128), (342, 26275),

Gene: Walrus_56 Start: 37367, Stop: 38296, Start Num: 119

Candidate Starts for Walrus_56:

(85, 37316), (Start: 92 @37328 has 8 MA's), (Start: 119 @37367 has 32 MA's), (Start: 124 @37382 has 8 MA's), (134, 37427), (144, 37487), (148, 37499), (184, 37634), (214, 37724), (229, 37775), (235, 37799), (258, 37853), (272, 37907), (276, 37919), (283, 37940), (302, 37991), (309, 38018), (318, 38048), (351, 38150),

Gene: Webster2_55 Start: 38900, Stop: 39871, Start Num: 106

Candidate Starts for Webster2_55:

(12, 38507), (17, 38537), (23, 38630), (34, 38714), (Start: 54 @38780 has 10 MA's), (56, 38789), (Start: 79 @38858 has 1 MA's), (Start: 106 @38900 has 14 MA's), (140, 39011), (144, 39038), (148, 39050), (163, 39107), (178, 39158), (214, 39269), (227, 39317), (248, 39398), (266, 39464), (272, 39482), (273, 39485), (287, 39527), (324, 39641), (347, 39710), (351, 39722), (365, 39755), (380, 39794),

Gene: Weirdo19_53 Start: 37220, Stop: 38188, Start Num: 106

Candidate Starts for Weirdo19_53:

(14, 36836), (22, 36932), (25, 36953), (30, 36989), (36, 37019), (43, 37043), (45, 37052), (72, 37148), (Start: 106 @37220 has 14 MA's), (142, 37352), (148, 37391), (184, 37514), (206, 37583), (215, 37616), (235, 37694), (239, 37706), (258, 37748), (259, 37751), (307, 37901), (309, 37910), (343, 38018), (351, 38045), (360, 38075),

Gene: Westrich_46 Start: 26088, Stop: 27116, Start Num: 99

Candidate Starts for Westrich_46:

(Start: 99 @26088 has 77 MA's), (Start: 106 @26103 has 14 MA's), (144, 26253), (162, 26325), (190, 26427), (234, 26565), (242, 26589), (247, 26613), (258, 26646), (274, 26709), (282, 26736), (298, 26784), (342, 26928),

Gene: WileyE_39 Start: 25312, Stop: 26337, Start Num: 99

Candidate Starts for WileyE_39:

(76, 25279), (Start: 99 @25312 has 77 MA's), (Start: 106 @25327 has 14 MA's), (144, 25477), (150, 25501), (173, 25597), (176, 25609), (190, 25651), (193, 25663), (260, 25876), (274, 25930), (342, 26149), (398, 26302),

Gene: William_60 Start: 39682, Stop: 40611, Start Num: 118

Candidate Starts for William_60:

(Start: 88 @39628 has 2 MA's), (Start: 118 @39682 has 15 MA's), (Start: 124 @39697 has 8 MA's), (133, 39739), (134, 39742), (140, 39775), (144, 39802), (148, 39814), (214, 40039), (235, 40114), (258, 40168), (276, 40234), (283, 40255), (302, 40306), (307, 40324), (318, 40363), (347, 40453), (351, 40465), (385, 40543),

Gene: WilliamBoone_87 Start: 52559, Stop: 53599, Start Num: 92

Candidate Starts for WilliamBoone_87:

(Start: 90 @52556 has 7 MA's), (Start: 92 @52559 has 8 MA's), (Start: 112 @52601 has 2 MA's), (140, 52712), (144, 52739), (156, 52790), (181, 52889), (188, 52910), (195, 52934), (239, 53075), (266, 53147), (276, 53177), (284, 53201), (307, 53264), (317, 53303), (319, 53309), (340, 53372), (344, 53384), (357, 53432), (375, 53465), (382, 53483), (421, 53582),

Gene: Wishmaker_52 Start: 38780, Stop: 39871, Start Num: 54

Candidate Starts for Wishmaker_52:

(12, 38507), (17, 38537), (23, 38630), (34, 38714), (Start: 54 @38780 has 10 MA's), (56, 38789), (Start: 79 @38858 has 1 MA's), (Start: 106 @38900 has 14 MA's), (140, 39011), (144, 39038), (148, 39050), (163, 39107), (178, 39158), (214, 39269), (227, 39317), (248, 39398), (266, 39464), (272, 39482), (273, 39485), (287, 39527), (324, 39641), (347, 39710), (351, 39722), (365, 39755), (380, 39794),

Gene: Wisp_55 Start: 38275, Stop: 39204, Start Num: 118

Candidate Starts for Wisp_55:

(80, 38212), (Start: 118 @38275 has 15 MA's), (Start: 124 @38290 has 8 MA's), (133, 38332), (134, 38335), (140, 38368), (144, 38395), (148, 38407), (214, 38632), (229, 38683), (235, 38707), (258, 38761), (276, 38827), (283, 38848), (302, 38899), (309, 38926), (318, 38956), (351, 39058),

Gene: Wocket_58 Start: 37849, Stop: 38778, Start Num: 119

Candidate Starts for Wocket_58:

(85, 37798), (Start: 92 @37810 has 8 MA's), (Start: 119 @37849 has 32 MA's), (Start: 124 @37864 has 8 MA's), (133, 37906), (134, 37909), (140, 37942), (144, 37969), (148, 37981), (214, 38206), (235, 38281), (258, 38335), (276, 38401), (283, 38422), (309, 38500), (318, 38530), (351, 38632),

Gene: Wyborn_35 Start: 28951, Stop: 29985, Start Num: 100

Candidate Starts for Wyborn_35:

(Start: 100 @28951 has 15 MA's), (Start: 112 @28960 has 2 MA's), (123, 28990), (158, 29158), (165, 29188), (171, 29203), (235, 29386), (239, 29398), (247, 29428), (287, 29536), (299, 29560), (305, 29584), (345, 29719), (347, 29725), (372, 29791), (377, 29803),

Gene: Xerxes_47 Start: 32459, Stop: 33469, Start Num: 107

Candidate Starts for Xerxes_47:

(Start: 107 @32459 has 44 MA's), (132, 32534), (138, 32573), (140, 32582), (144, 32609), (158, 32660), (159, 32663), (164, 32687), (213, 32813), (230, 32864), (235, 32888), (239, 32900), (247, 32930), (312, 33122), (315, 33131), (320, 33149), (334, 33191), (350, 33239), (353, 33251), (413, 33380),

Gene: YorkOnyx_48 Start: 40821, Stop: 41948, Start Num: 98

Candidate Starts for YorkOnyx_48:

(69, 40752), (Start: 98 @40821 has 60 MA's), (Start: 118 @40860 has 15 MA's), (138, 40953), (144, 40995), (146, 41001), (158, 41052), (169, 41091), (195, 41181), (250, 41337), (258, 41358), (266, 41391), (278, 41433), (315, 41571), (329, 41616), (352, 41685), (374, 41760), (378, 41772), (405, 41838), (413, 41853), (419, 41871),

Gene: Yvonnetastic_98 Start: 57678, Stop: 58697, Start Num: 94

Candidate Starts for Yvonnetastic_98:

(Start: 94 @57678 has 3 MA's), (121, 57732), (122, 57735), (137, 57813), (162, 57930), (188, 58023), (194, 58044), (195, 58047), (264, 58248), (266, 58257), (273, 58278), (307, 58374), (315, 58407), (324, 58437), (338, 58479), (344, 58494), (351, 58518), (355, 58536), (375, 58572), (389, 58608),

Gene: Zarbodnamra_57 Start: 37271, Stop: 38200, Start Num: 119

Candidate Starts for Zarbodnamra_57:

(85, 37220), (Start: 92 @37232 has 8 MA's), (Start: 119 @37271 has 32 MA's), (Start: 124 @37286 has 8 MA's), (133, 37328), (134, 37331), (140, 37364), (144, 37391), (148, 37403), (214, 37628), (229, 37679), (235, 37703), (258, 37757), (262, 37775), (272, 37811), (276, 37823), (283, 37844), (302, 37895), (309, 37922), (351, 38054),

Gene: Zartrosa_34 Start: 28629, Stop: 29648, Start Num: 109

Candidate Starts for Zartrosa_34:

(Start: 109 @28629 has 27 MA's), (158, 28830), (161, 28842), (165, 28860), (174, 28890), (239, 29070), (242, 29076), (259, 29133), (287, 29208), (299, 29232), (321, 29319), (345, 29391), (347, 29397), (419, 29574),

Gene: Zhuangyuan_42 Start: 25780, Stop: 26808, Start Num: 99

Candidate Starts for Zhuangyuan_42:

(Start: 99 @25780 has 77 MA's), (Start: 106 @25795 has 14 MA's), (143, 25945), (168, 26044), (190, 26125), (193, 26137), (199, 26152), (205, 26164), (244, 26299), (245, 26308), (247, 26314), (261,

26362), (288, 26455), (313, 26545), (342, 26629), (348, 26650), (354, 26674),

Gene: ZiggyZoo_58 Start: 39325, Stop: 40254, Start Num: 118

Candidate Starts for ZiggyZoo_58:

(49, 39133), (60, 39175), (62, 39199), (83, 39271), (Start: 118 @39325 has 15 MA's), (Start: 124 @39340 has 8 MA's), (133, 39382), (134, 39385), (144, 39445), (148, 39457), (214, 39682), (229, 39733), (235, 39757), (258, 39811), (272, 39865), (276, 39877), (283, 39898), (302, 39949), (309, 39976), (351, 40108),

Gene: Zilla_56 Start: 37027, Stop: 37956, Start Num: 119

Candidate Starts for Zilla_56:

(85, 36976), (Start: 92 @36988 has 8 MA's), (Start: 119 @37027 has 32 MA's), (Start: 124 @37042 has 8 MA's), (133, 37084), (134, 37087), (144, 37147), (148, 37159), (214, 37384), (229, 37435), (235, 37459), (258, 37513), (262, 37531), (276, 37579), (283, 37600), (302, 37651), (309, 37678), (318, 37708), (351, 37810),

Gene: Zipp_51 Start: 43095, Stop: 44249, Start Num: 100

Candidate Starts for Zipp_51:

(Start: 100 @43095 has 15 MA's), (Start: 118 @43134 has 15 MA's), (138, 43227), (140, 43236), (144, 43269), (146, 43275), (158, 43326), (167, 43359), (169, 43365), (195, 43458), (242, 43581), (250, 43614), (256, 43629), (258, 43635), (275, 43698), (278, 43710), (281, 43728), (328, 43899), (374, 44058), (405, 44136), (424, 44217),

Gene: Zitch_53 Start: 41194, Stop: 42369, Start Num: 100

Candidate Starts for Zitch_53:

(Start: 100 @41194 has 15 MA's), (Start: 106 @41206 has 14 MA's), (Start: 118 @41233 has 15 MA's), (138, 41326), (140, 41335), (144, 41368), (146, 41374), (158, 41425), (167, 41458), (169, 41464), (195, 41557), (198, 41566), (242, 41701), (250, 41734), (256, 41749), (258, 41755), (275, 41818), (281, 41848), (328, 42019), (352, 42094), (374, 42178), (400, 42250), (405, 42256), (424, 42337),

Gene: Zixiang_37 Start: 25775, Stop: 26803, Start Num: 99

Candidate Starts for Zixiang_37:

(76, 25733), (Start: 99 @25775 has 77 MA's), (Start: 106 @25790 has 14 MA's), (144, 25940), (162, 26012), (190, 26114), (234, 26252), (242, 26276), (247, 26300), (258, 26333), (274, 26396), (282, 26423), (298, 26471), (342, 26615),

Gene: phiAsp2_49 Start: 37965, Stop: 39083, Start Num: 130

Candidate Starts for phiAsp2_49:

(130, 37965), (145, 38061), (162, 38139), (181, 38214), (189, 38241), (192, 38250), (200, 38277), (201, 38280), (207, 38292), (219, 38346), (224, 38367), (234, 38412), (235, 38418), (293, 38643), (294, 38646), (308, 38700), (316, 38733), (323, 38757), (368, 38928), (381, 38964), (391, 38994), (410, 39033), (422, 39069),