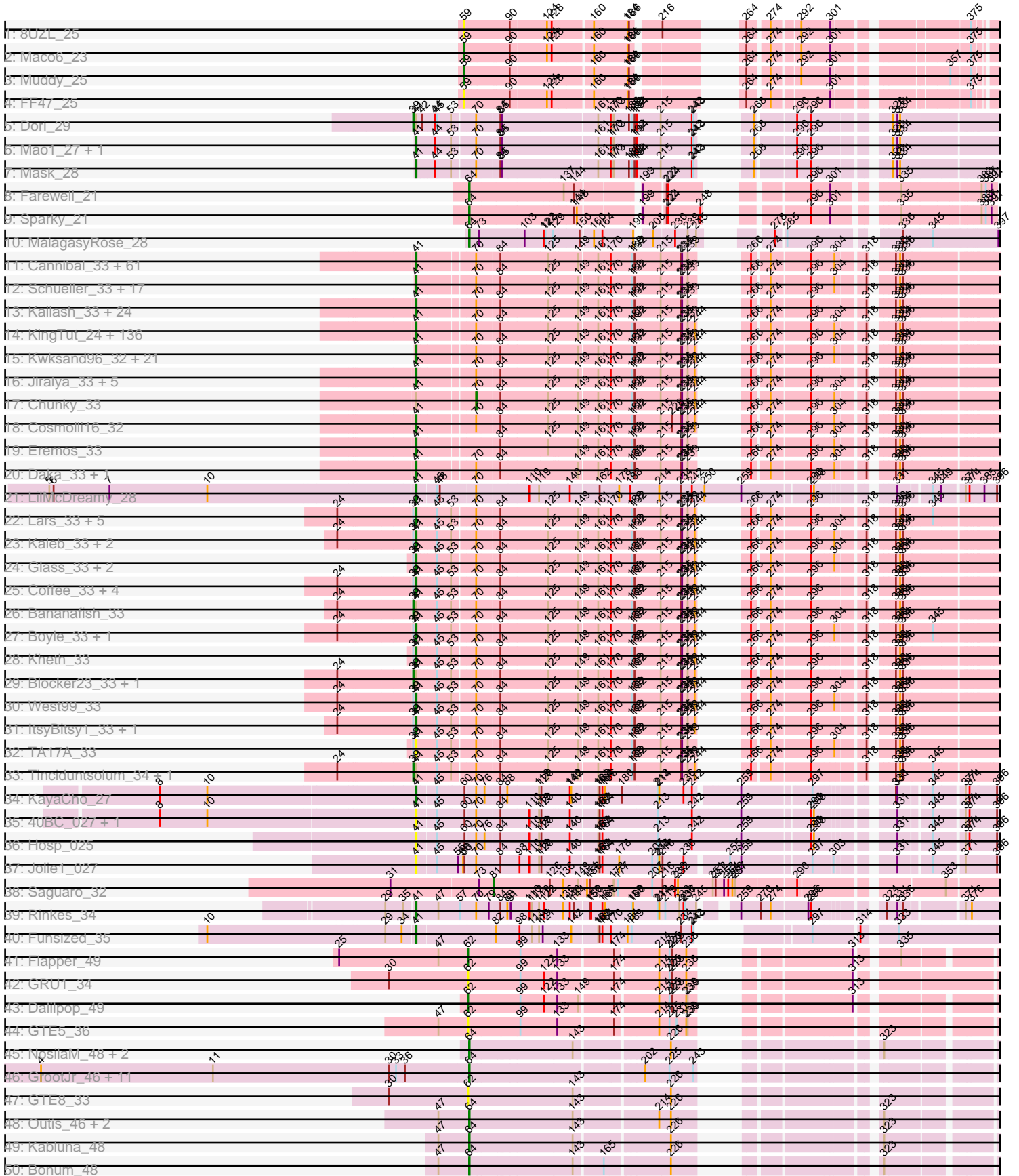
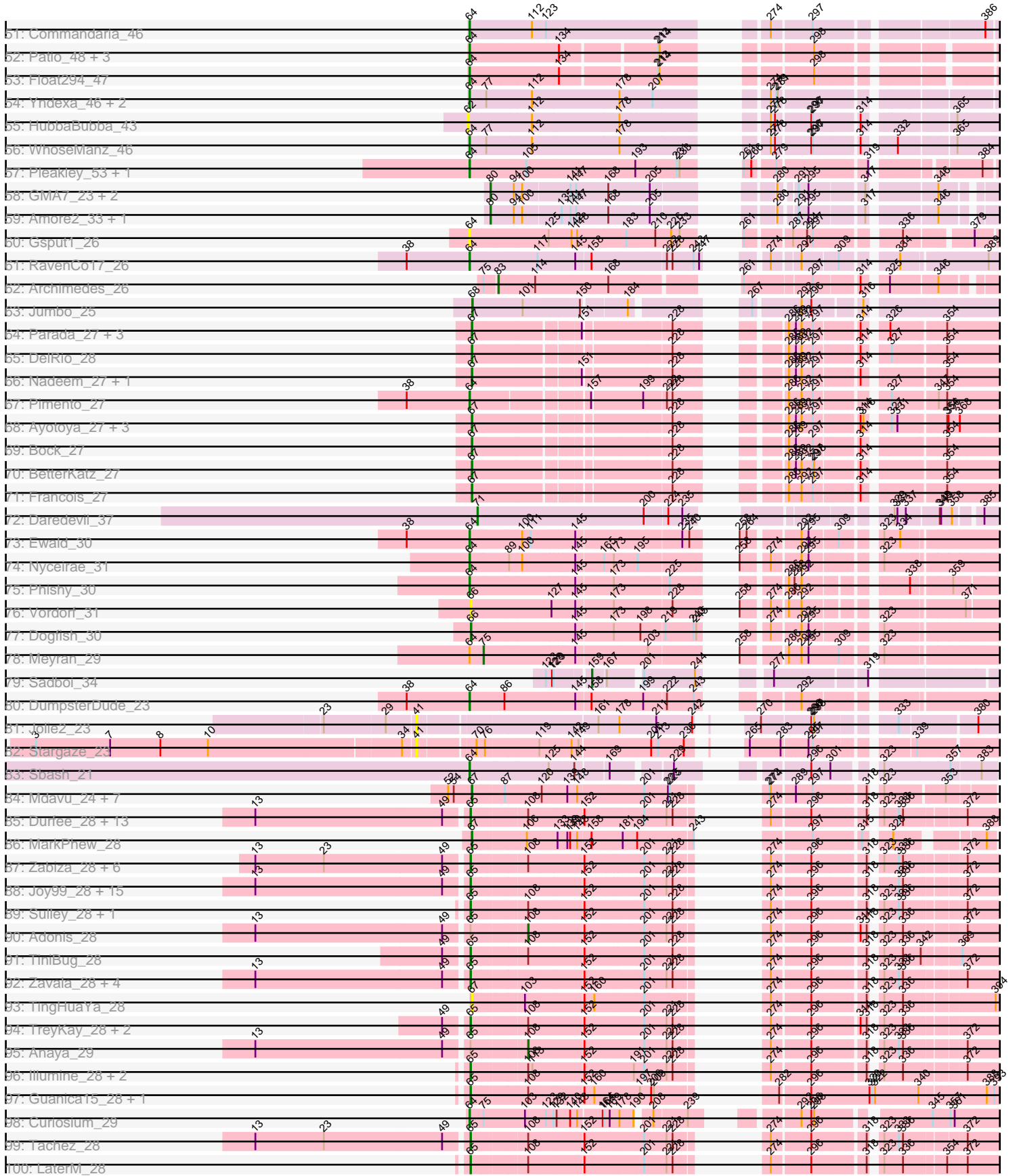


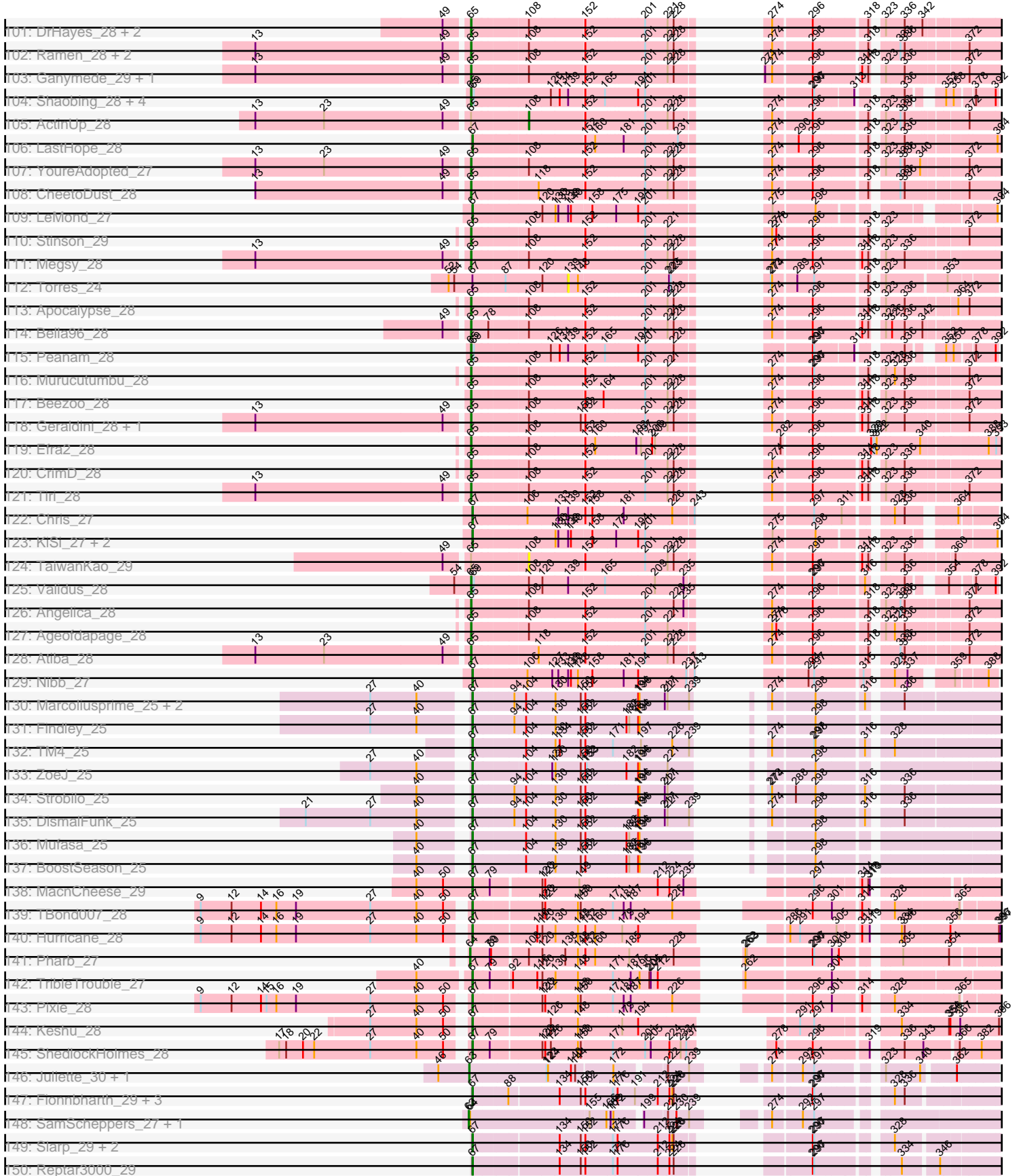
Zoomed Pham 193621



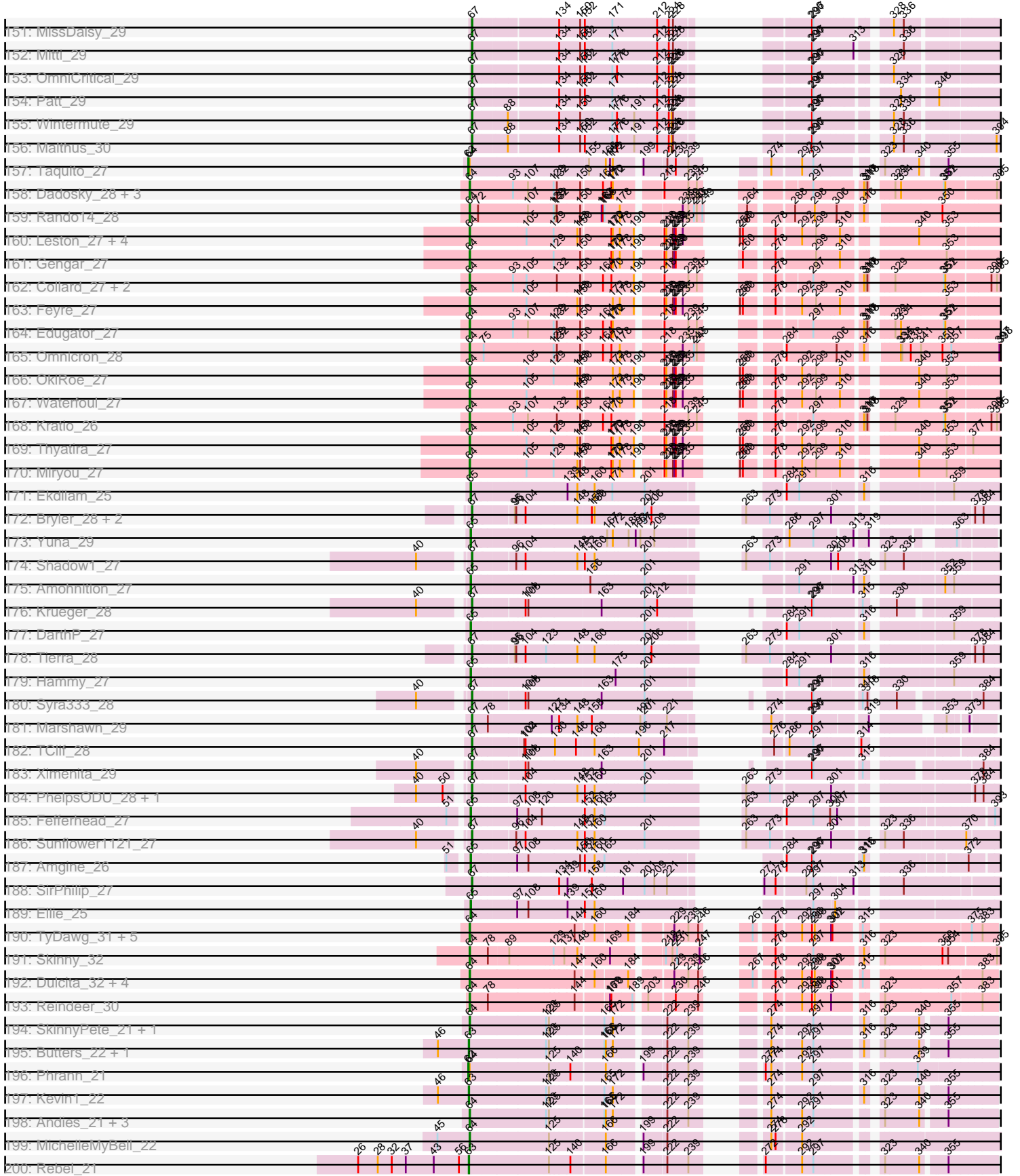
Zoomed Pham 193621



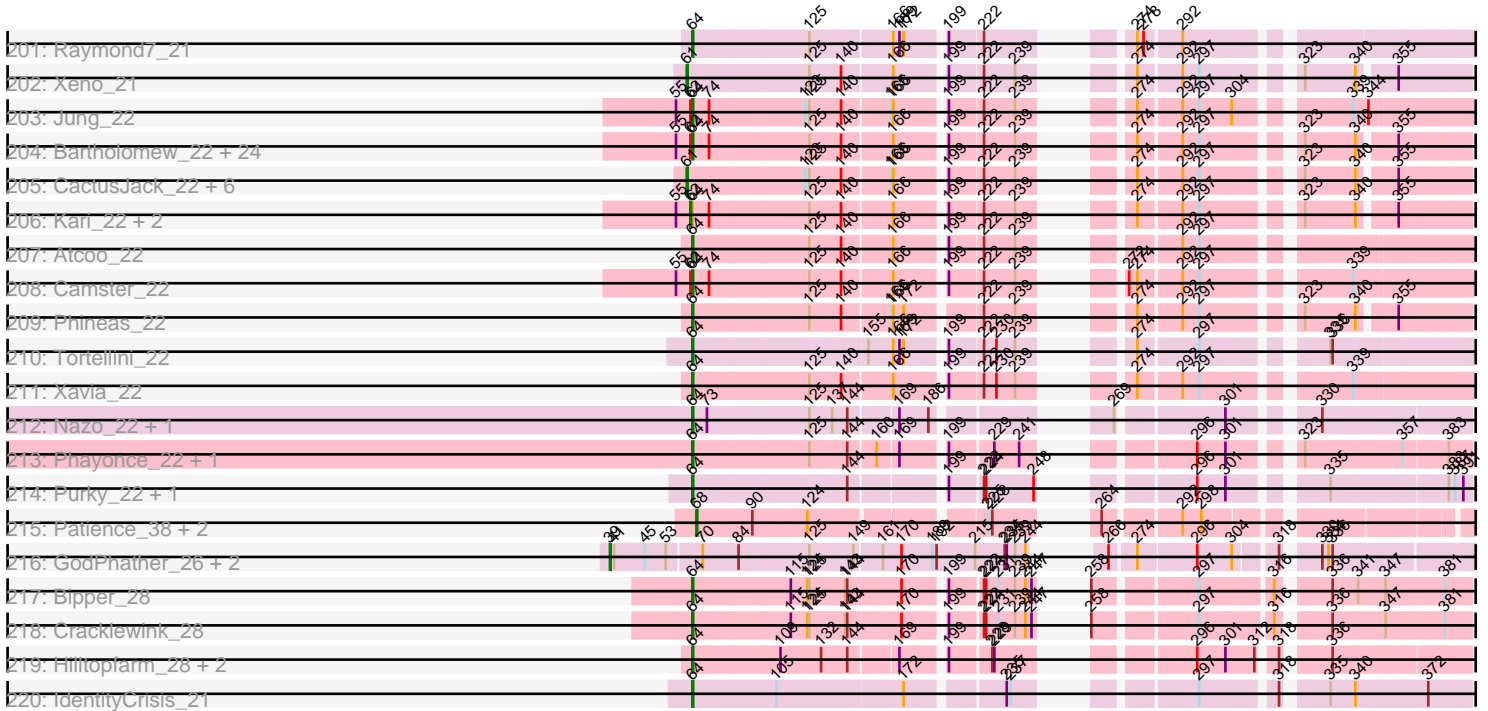
Zoomed Pham 193621



Zoomed Pham 193621



Zoomed Pham 193621



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 193621 Report

This analysis was run 11/02/24 on database version 579.

Pham number 193621 has 674 members, 42 are drafts.

Phages represented in each track:

- Track 1 : 8UZL_25
- Track 2 : Maco6_23
- Track 3 : Muddy_25
- Track 4 : FF47_25
- Track 5 : Dori_29
- Track 6 : Mao1_27, Sejanus_28
- Track 7 : Mask_28
- Track 8 : Farewell_21
- Track 9 : Sparky_21
- Track 10 : MalagasyRose_28
- Track 11 : Cannibal_33, Manad_32, Morgushi_33, Chute_32, Podrick_33, UAch1_33, Schadenfreude_32, Timmi_32, Coletti_32, PhrodoBaggins_32, Megatron_33, LeeLot_33, Robyn_32, PinheadLarry_33, Lopsy_32, Tooj_33, ProfessorX_33, Chaelin_33, Anderson_33, Harvey_33, SassyCat97_32, Chah_34, RedMaple_32, Iridoclysis_33, Aelin_32, Colbert_33, EmpTee_33, SilverBell_33, Zelda_33, DonSanchon_32, Legolas_32, Carthage_31, Hocus_32, Brilliant_33, Skippy_33, ShiVal_33, Antonia_32, Daffy_33, Squid_33, Morty_33, Roscoe_34, Vaishali24_32, Windsor_32, Virgeve_32, Vortex_33, Vivaldi_33, Kloppinator_33, DelRivs_32, Spartan300_33, Suffolk_33, Sophia_32, Surely_33, Hetaeria_33, Chorkpop_33, Keitherie_33, Olive_33, Soile_33, Mulan_32, Thora_33, Valjean_33, Quisquillae_33, Phleuron_32
- Track 12 : Schueller_33, Gophee_33, Riggan_33, Puhltonio_33, Phipps_33, Andre_33, Beaglebox_32, Telesworld_32, Apizium_32, Altwerkus_32, Plmatters_33, DoesntMatter_33, Fringe_33, Numberten_33, Slatt_33, Virapocalypse_33, Burr_32, JangoPhett_33
- Track 13 : Kailash_33, LostAndPhound_32, Potter_32, Mag7_32, CampRoach_33, Jiminy_32, Phergie_32, LasagnaCat_33, Veritas_32, Swiphy_34, Doddsville_33, Hartsy_33, Weher20_33, Melc17_33, PhrankReynolds_32, PhenghisKhan_32, PhatLouie_33, MitKao_33, Xavier_32, Mosaic_32, DuchessDung_31, Dati_33, BatteryCK_32, Oline_32, MichaelPhcott_32
- Track 14 : KingTut_24, Mana_32, Freya_32, Olak_32, Sigman_33, Scoot17C_33, BlackStallion_33, Lasso_33, Mcshane_32, Mecca_32, Sheila_33, Samaymay_33, IsaacEli_33, Haleema_32, Scrick_33, Bishoperium_32, Lulumae_32, AltPhacts_33, Craff_33, Orion_33, Lulwa_33, Labeouficaum_32, Ricotta_32, Dingo_33, FriarPreacher_33, Vaticameos_33, Bluephacebaby_32, Squiggle_33, Kwadwo_32, Pacifista_32, Tomlarah_33, Charles1_33, GeneCoco_33, Hertubise_33, QueenBeane_33, Badfish_33, Adriana_33, Phareon_33, Held_33, Megamind20_33,

Giraffe_33, Kimbrough_33, Lumine_32, DirtJuice_33, Oosterbaan_33, Longacauda_32, Nyala_32, Matalotodo_33, KingVeVeVe_33, Kahve_32, Usavi_33, Inverness_33, LeiMonet_33, Jillium_32, Eugenia_33, LemonSlice_33, MRabcd_32, LuckyMarjie_32, HighStump_32, HSavage_33, Frankicide_33, Mesh1_33, Dice_32, Cher_32, PG1_33, Boehler_33, JacAttac_33, Dione_32, Katniss_33, Grand2040_32, HenryJackson_32, True_32, PhatCats2014_33, Soto_33, Simielle_32, Piglet_0032, Zaider_34, CamL_33, Phunky_33, Phamished_33, FugateOSU_32, ABU_33, BlueHusk_33, Pinkman_32, Orfeu_32, Hamish_33, OliverWalter_33, Vista_33, Yoshand_33, FluffyNinja_33, Toni_32, Swish_33, Mutante_32, TallGrassMM_33, Serendipity_33, Roy17_33, Nacho_0033, CheetO_33, Placalicious_32, Serpentine_0033, KlimbOn_33, Haimas_33, Mikota_33, Basato_34, Waterdiva_33, Nicole21_33, Banjo_32, Solosis_32, Murdoc_33, Selr12_33, Maru_32, Kikipoo_33, Inchworm_33, UncleHowie_33, Childish_32, MiniBoss_33, Prickles_33, ThreeOh3D2_33, Pherdinand_33, Orwigg_33, Horchata_33, Derpp_32, Magic8_33, TyrionL_32, Zonia_33, KLucky39_33, Omniscient_33, AbsoluteMadLad_32, Buckeye_33, Pipsqueak_33, Lego3393_33, SDcharge11_33, Fang_33, YouGoGlencoco_33, Duggie_32, Wallhey_32, Roliet_33

- Track 15 : Kwksand96_32, Durga_33, Ashraf_32, Gwilliam_33, Emiris_33, Cobra_33, JDog_32, Fozzie_32, Pops_33, MelsMeow_32, Gyarad_0033, OSmaximus_33, Etaye_33, Newman_33, Trypo_33, ImtiyazSitla_32, CharlieGBrown_32, Rimu_34, Crownjwl_33, MrPhizzler_32, Maskar_32, Gareth_32
- Track 16 : Jiraiya_33, DaddyDaniels_33, TomBombadil_33, JakeO_32, Struggle_32, Thunderbird_32
- Track 17 : Chunky_33
- Track 18 : Cosmoli16_32
- Track 19 : Eremos_33
- Track 20 : Daka_33, Cornobble_32
- Track 21 : LilMcDreamy_28
- Track 22 : Lars_33, Rosebush_33, Arbiter_33, Hedgerow_33, Allegro_33, FrenchFry_33
- Track 23 : Kaleb_33, Eaglehorse_33, LizLemon_33
- Track 24 : Glass_33, Phantasmagoria_33, Faze9_33
- Track 25 : Coffee_33, Opia_33, Sabella_33, Holeinone_33, Tres_33
- Track 26 : Bananafish_33
- Track 27 : Boyle_33, Rhinoforte_33
- Track 28 : Kheth_33
- Track 29 : Blocker23_33, Lephleur_33
- Track 30 : West99_33
- Track 31 : ItsyBitsy1_33, Calamitous_33
- Track 32 : TA17A_33
- Track 33 : Tinciduntolum_34, Brownie5_33
- Track 34 : KayaCho_27
- Track 35 : 40BC_027, 39HC_027
- Track 36 : Hosp_025
- Track 37 : Jolie1_027
- Track 38 : Saguaro_32
- Track 39 : Rinkes_34
- Track 40 : Funsized_35
- Track 41 : Flapper_49
- Track 42 : GRU1_34
- Track 43 : Dalilpop_49
- Track 44 : GTE5_36
- Track 45 : NosilaM_48, Buggaboo_46, SuperSulley_46

- Track 46 : GrootJr_46, Emianna_44, Kurt_44, NovumRegina_44, Tracker_44, Arti_44, NatB6_44, KidneyBean_44, Phomeo_43, Foxboro_45, Wheezy_44, Jifall16_43
- Track 47 : GTE8_33
- Track 48 : Outis_46, StarStruck_46, MerCougar_46
- Track 49 : Kabluna_48
- Track 50 : Bonum_48
- Track 51 : Commandaria_46
- Track 52 : Patio_48, Skysand_47, Ennea_51, Lollipop1437_50
- Track 53 : Float294_47
- Track 54 : Yndexa_46, BiPauneto_47, Sukkupi_46
- Track 55 : HubbaBubba_43
- Track 56 : WhoseManz_46
- Track 57 : Pleakley_53, Fury_53
- Track 58 : GMA7_23, HayZem_32, Austin_33
- Track 59 : Amore2_33, GTE7_23
- Track 60 : Gspu1_26
- Track 61 : RavenCo17_26
- Track 62 : Archimedes_26
- Track 63 : Jumbo_25
- Track 64 : Parada_27, Mulch_27, Brylie_27, NancyRae_27
- Track 65 : DelRio_28
- Track 66 : Nadeem_27, WheatThin_27
- Track 67 : Pimento_27
- Track 68 : Ayotoya_27, Hamood_27, Chop_27, GrandSlam_27
- Track 69 : Bock_27
- Track 70 : BetterKatz_27
- Track 71 : Francois_27
- Track 72 : Daredevil_37
- Track 73 : Ewald_30
- Track 74 : Nyceirae_31
- Track 75 : Phishy_30
- Track 76 : Vordorf_31
- Track 77 : Dogfish_30
- Track 78 : Meyran_29
- Track 79 : Sadboi_34
- Track 80 : DumpsterDude_23
- Track 81 : Jolie2_23
- Track 82 : Stargaze_23
- Track 83 : Sbash_21
- Track 84 : Mdavu_24, Enkosi_24, Amelie_24, Nikao_24, LilPharaoh_24, Binglebops_24, SgtBeansprout_24, Nutello_24
- Track 85 : Durfee_28, Pokerus_27, Boiii_28, Padfoot_28, Asayake_28, AlishaPH_28, CaseJules_28, BaghaKamala_28, Piatt_28, BEEST_28, Hyperbowlee_28, Blizzard_28, Homura_28, ShiaSurprise_28
- Track 86 : MarkPhew_28
- Track 87 : Zabiza_28, HedwigODU_28, Veliki_28, Rapunzel97_28, Jayhawk_28, Adephagia_28, Slimphazie_28
- Track 88 : Joy99_28, Inky_28, Jeckyll_28, Capricorn_28, BGIlluvia_28, Belladonna_28, Jarvi_28, Peel_28, Dalmuri_28, Llorens_28, Spock_28, Twitch_28, Topper_28, CREW_28, Lunahalos_28, Rosmarinus_28
- Track 89 : Sulley_28, Deby_28
- Track 90 : Adonis_28

- Track 91 : TiniBug_28
- Track 92 : Zavala_28, Mynx_28, Emerson_28, TruffulaTree_28, Padpat_28
- Track 93 : TingHuaYa_28
- Track 94 : TreyKay_28, Prithvi_28, LindNT_28
- Track 95 : Anaya_29
- Track 96 : Illumine_28, Dole_28, Devera_28
- Track 97 : Guanica15_28, Yunkel11_28
- Track 98 : Curiosium_29
- Track 99 : Tachez_28
- Track 100 : LaterM_28
- Track 101 : DrHayes_28, Urkel_28, SamuelLPlaqson_28
- Track 102 : Ramen_28, BarrelRoll_28, JAWS_28
- Track 103 : Ganymede_29, QuincyRose_27
- Track 104 : Shaobing_28, Dartin_28, McMater_28, Richo_28, Niklas_28
- Track 105 : ActinUp_28
- Track 106 : LastHope_28
- Track 107 : YoureAdopted_27
- Track 108 : CheetoDust_28
- Track 109 : LeMond_27
- Track 110 : Stinson_29
- Track 111 : Megsy_28
- Track 112 : Torres_24
- Track 113 : Apocalypse_28
- Track 114 : Bella96_28
- Track 115 : Peanam_28
- Track 116 : Murucutumbu_28
- Track 117 : Beezoo_28
- Track 118 : Geraldini_28, MeaningOfLife_28
- Track 119 : Efra2_28
- Track 120 : CrimD_28
- Track 121 : Tiri_28
- Track 122 : Chris_27
- Track 123 : KiSi_27, Oscar_27, Scarlett_27
- Track 124 : TaiwanKao_29
- Track 125 : Validus_28
- Track 126 : Angelica_28
- Track 127 : Ageofdapage_28
- Track 128 : Atiba_28
- Track 129 : Nibb_27
- Track 130 : Marcoliusprime_25, Milly_25, DismalStressor_25
- Track 131 : Findley_25
- Track 132 : TM4_25
- Track 133 : ZoeJ_25
- Track 134 : Strobilo_25
- Track 135 : DismalFunk_25
- Track 136 : Mufasa_25
- Track 137 : BoostSeason_25
- Track 138 : MacnCheese_29
- Track 139 : TBond007_28
- Track 140 : Hurricane_28
- Track 141 : Pharb_27
- Track 142 : TripleTrouble_27
- Track 143 : Pixie_28

- Track 144 : Keshu_28
- Track 145 : ShedlockHolmes_28
- Track 146 : Juliette_30, Ruthiejr_29
- Track 147 : Fionnbharth_29, Y10_29, JF1_29, Y2_29
- Track 148 : SamScheppers_27, Eponine_29
- Track 149 : Slarp_29, Cheetobro_29, Chancellor_29
- Track 150 : Reptar3000_29
- Track 151 : MissDaisy_29
- Track 152 : Mitti_29
- Track 153 : OmniCritical_29
- Track 154 : Patt_29
- Track 155 : Wintermute_29
- Track 156 : Malthus_30
- Track 157 : Taquito_27
- Track 158 : Dadosky_28, Larva_28, Psycho_28, AlleyCat_28
- Track 159 : Rando14_28
- Track 160 : Leston_27, Heftyboy_27, Paola_27, Guillsminger_27, SoSeph_27
- Track 161 : Gengar_27
- Track 162 : Collard_27, Agent47_27, InvictusManeo_27
- Track 163 : Feyre_27
- Track 164 : Edugator_27
- Track 165 : Omnicron_28
- Track 166 : OkiRoe_27
- Track 167 : Waterfoul_27
- Track 168 : Kratio_26
- Track 169 : Thyatira_27
- Track 170 : Miryou_27
- Track 171 : Ekdilam_25
- Track 172 : Bryler_28, Phrank_28, Cain_28
- Track 173 : Yuna_29
- Track 174 : Shadow1_27
- Track 175 : Amohnition_27
- Track 176 : Krueger_28
- Track 177 : DarthP_27
- Track 178 : Tierra_28
- Track 179 : Hammy_27
- Track 180 : Syra333_28
- Track 181 : Marshawn_29
- Track 182 : TClif_28
- Track 183 : Ximenita_29
- Track 184 : PhelpsODU_28, Unicorn_28
- Track 185 : Fefferhead_27
- Track 186 : Sunflower1121_27
- Track 187 : Amgine_26
- Track 188 : SirPhilip_27
- Track 189 : Ellie_25
- Track 190 : TyDawg_31, Bongo_31, LilhomieP_30, PegLeg_31, Bricole_31, IPhane7_31
- Track 191 : Skinny_32
- Track 192 : Dulcita_32, Auspice_31, SlimJimmy_30, Diminimus_32, Glaske16_32
- Track 193 : Reindeer_30
- Track 194 : SkinnyPete_21, Panchino_21
- Track 195 : Butters_22, Rubeelu_22

- Track 196 : Phrann_21
- Track 197 : Kevin1_22
- Track 198 : Andies_21, Willsammy_22, Dynamo_22, Scitech_21
- Track 199 : MichelleMyBell_22
- Track 200 : Rebel_21
- Track 201 : Raymond7_21
- Track 202 : Xeno_21
- Track 203 : Jung_22
- Track 204 : Bartholomew_22, Ksquared_22, Phegasus_22, Fishburne_22, Techage_22, Brusacoram_22, Jebeks_22, Zilizebeth_22, Juniormint_22, Sonah_22, Venti_22, Polkaroo_22, Mangethe_22, Necropolis_22, Majeke_22, HUHilltop_22, Vidya_22, FirstPlacePfu_22, HC_22, Babsiella_22, StevieRay_22, Bunnies_22, Donovan_22, Thespis_22, Arib1_22
- Track 205 : CactusJack_22, StressBall_22, Glaske_22, Shweta_21, Megiddo_22, KilKor_22, Phalm_22
- Track 206 : Kari_22, Langerak_22, Malithi_22
- Track 207 : Atcoo_22
- Track 208 : Camster_22
- Track 209 : Phineas_22
- Track 210 : Tortellini_22
- Track 211 : Xavia_22
- Track 212 : Nazo_22, BigNuz_22
- Track 213 : Phayonce_22, ThulaThula_22
- Track 214 : Purky_22, Che9c_21
- Track 215 : Patience_38, Labelle_37, Madrugua_36
- Track 216 : GodPhather_26, MasterPo_33, Jeon_25
- Track 217 : Bipper_28
- Track 218 : Cracklewink_28
- Track 219 : Hilltopfarm_28, AuntGwenStacy_28, Typha_28
- Track 220 : IdentityCrisis_21

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

The start number called the most often in the published annotations is 41, it was called in 291 of the 632 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 39HC_027, 40BC_027, ABU_33, AbsoluteMadLad_32, Adriana_33, Aelin_32, Allegro_33, AltPhacts_33, Altwerkus_32, Anderson_33, Andre_33, Antonia_32, Apizium_32, Arbiter_33, Ashraf_32, Badfish_33, Banjo_32, Basato_34, BatteryCK_32, Beaglebox_32, Bishoperium_32, BlackStallion_33, BlueHusk_33, Bluephacebaby_32, Boehler_33, Boyle_33, Brilliant_33, Buckeye_33, Burr_32, Calamitous_33, CamL_33, CampRoach_33, Cannibal_33, Carthage_31, Chaelin_33, Chah_34, Charles1_33, CharlieGBrown_32, CheetO_33, Cher_32, Childish_32, Chorkpop_33, Chute_32, Cobra_33, Coffee_33, Colbert_33, Coletti_32, Cornobble_32, Cosmolli16_32, Craff_33, Crownjwl_33, DaddyDaniels_33, Daffy_33, Daka_33, Dati_33, DelRivs_32, Derpp_32, Dice_32, Dingo_33, Dione_32, DirtJuice_33, Doddsville_33, DoesntMatter_33, DonSanchon_32, DuchessDung_31, Duggie_32, Durga_33, Eaglehorse_33, Emiris_33, EmpTee_33, Eremos_33, Etaye_33, Eugenia_33, Fang_33, Faze9_33, FluffyNinja_33, Fozzie_32,

Frankicide_33, FrenchFry_33, Freya_32, FriarPreacher_33, Fringe_33, FugateOSU_32, Funsized_35, Gareth_32, GeneCoco_33, Giraffe_33, Glass_33, Gophee_33, Grand2040_32, Gwilliam_33, Gyarad_0033, HSavage_33, Haimas_33, Haleema_32, Hamish_33, Hartsy_33, Harvey_33, Hedgerow_33, Held_33, HenryJackson_32, Hertubise_33, Hetaeria_33, HighStump_32, Hocus_32, Holeinone_33, Horchata_33, Hosp_025, ImtiyazSitla_32, Inchworm_33, Inverness_33, Iridoclysis_33, IsaacEli_33, ItsyBitsy1_33, JDog_32, JacAttac_33, JakeO_32, JangoPhett_33, Jillium_32, Jiminy_32, Jiraiya_33, Jolie1_027, Jolie2_23, KLucky39_33, Kahve_32, Kailash_33, Kaleb_33, Katniss_33, KayaCho_27, Keitherie_33, Kheth_33, Kikipoo_33, Kimbrough_33, KingTut_24, KingVeVeVe_33, KlimbOn_33, Kloppinator_33, Kwadwo_32, Kwksand96_32, Labeouficaum_32, Lars_33, LasagnaCat_33, Lasso_33, LeeLot_33, Lego3393_33, Legolas_32, LeiMonet_33, LemonSlice_33, LilMcDreamy_28, LizLemon_33, Longacauda_32, Lopsy_32, LostAndPhound_32, LuckyMarjie_32, Lulumae_32, Lulwa_33, Lumine_32, MRabcd_32, Mag7_32, Magic8_33, Mana_32, Manad_32, Mao1_27, Maru_32, Mask_28, Maskar_32, Matalotodo_33, Mcshane_32, Mecca_32, Megamind20_33, Megatron_33, Melc17_33, MelsMeow_32, Mesh1_33, MichaelPhcott_32, Mikota_33, MiniBoss_33, MitKao_33, Morgushi_33, Morty_33, Mosaic_32, MrPhizzler_32, Mulan_32, Murdoc_33, Mutante_32, Nacho_0033, Newman_33, Nicole21_33, Numberten_33, Nyala_32, OSmaximus_33, Olak_32, Oline_32, Olive_33, OliverWalter_33, Omniscient_33, Oosterbaan_33, Opia_33, Orfeu_32, Orion_33, Orwigg_33, PG1_33, Pacifista_32, Phamished_33, Phantasmagoria_33, Phareon_33, PhatCats2014_33, PhatLouie_33, PhenghisKhan_32, Pherdinand_33, Phergie_32, Phipps_33, Phleuron_32, PhrankReynolds_32, PhrodoBaggins_32, Phunky_33, Piglet_0032, PinheadLarry_33, Pinkman_32, Pipsqueak_33, Placalicious_32, Plmatters_33, Podrick_33, Pops_33, Potter_32, Prickles_33, ProfessorX_33, Puhltonio_33, QueenBeane_33, Quisquilliae_33, RedMaple_32, Rhinoforte_33, Ricotta_32, Riggan_33, Rimu_34, Rinkes_34, Robyn_32, Roliet_33, Roscoe_34, Rosebush_33, Roy17_33, SDcharge11_33, Sabella_33, Samaymay_33, SassyCat97_32, Schadenfreude_32, Schueller_33, Scoot17C_33, Scrick_33, Sejanus_28, Selr12_33, Serendipity_33, Serpentine_0033, Sheila_33, ShiVal_33, Sigman_33, SilverBell_33, Simielle_32, Skippy_33, Slatt_33, Soile_33, Solosis_32, Sophia_32, Soto_33, Spartan300_33, Squid_33, Squiggle_33, Stargaze_23, Struggle_32, Suffolk_33, Surely_33, Swiphy_34, Swish_33, TA17A_33, TallGrassMM_33, Telesworld_32, Thora_33, ThreeOh3D2_33, Thunderbird_32, Timmi_32, TomBombadil_33, Tomlarah_33, Toni_32, Tooj_33, Tres_33, True_32, Trypo_33, TyrionL_32, UAch1_33, UncleHowie_33, Usavi_33, Vaishali24_32, Valjean_33, Vaticameos_33, Veritas_32, Virapocalypse_33, Virgeve_32, Vista_33, Vivaldi_33, Vortex_33, Wallhey_32, Waterdiva_33, Weher20_33, West99_33, Windsor_32, Xavier_32, Yoshand_33, YouGoGlencoco_33, Zaidler_34, Zelda_33, Zonia_33,

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

- Bananafish_33, Blocker23_33, Brownie5_33, Chunky_33, Dori_29, GodPhather_26, Jeon_25, Lephleur_33, MasterPo_33, Tinciduntolum_34,

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

- 8UZL_25, ActinUp_28, Adephegia_28, Adonis_28, Agent47_27, Ageofdapage_28, AlishaPH_28, AlleyCat_28, Amelie_24, Amgine_26, Amohnition_27, Amore2_33, Anaya_29, Andies_21, Angelica_28, Apocalypse_28, Archimedes_26, Arib1_22, Arti_44, Asayake_28, Atcoo_22, Atiba_28, AuntGwenStacy_28, Auspice_31, Austin_33, Ayotoya_27, BEEST_28, BGlluviae_28, Babsiella_22, BaghaKamala_28, BarrelRoll_28, Bartholomew_22, Beezoo_28, Bella96_28, Belladonna_28,

BetterKatz_27, BiPauneto_47, BigNuz_22, Binglebops_24, Bipper_28, Blizzard_28, Bock_27, Boiiii_28, Bongo_31, Bonum_48, BoostSeason_25, Bricole_31, Brusacoram_22, Bryler_28, Brylie_27, Buggaboo_46, Bunnies_22, Butters_22, CREW_28, CactusJack_22, Cain_28, Camster_22, Capricorn_28, CaseJules_28, Chancellor_29, Che9c_21, CheetoDust_28, Cheetobro_29, Chop_27, Chris_27, Collard_27, Commandaria_46, Cracklewink_28, CrimD_28, Curiosium_29, Dadosky_28, Dalilpop_49, Dalmuri_28, Daredevil_37, DarthP_27, Dartin_28, Deby_28, DelRio_28, Devera_28, Diminimus_32, DismalFunk_25, DismalStressor_25, Dogfish_30, Dole_28, Donovan_22, DrHayes_28, Dulcita_32, DumpsterDude_23, Durfee_28, Dynamo_22, Edugator_27, Efra2_28, Ekdilam_25, Ellie_25, Emerson_28, Emianna_44, Enkosi_24, Ennea_51, Eponine_29, Ewald_30, FF47_25, Farewell_21, Fefferhead_27, Feyre_27, Findley_25, Fionnbharth_29, FirstPlacePfu_22, Fishburne_22, Flapper_49, Float294_47, Foxboro_45, Francois_27, Fury_53, GMA7_23, GRU1_34, GTE5_36, GTE7_23, GTE8_33, Ganymede_29, Gengar_27, Geraldini_28, Glaske16_32, Glaske_22, GrandSlam_27, GrootJr_46, Gspu1_26, Guanica15_28, Guillsminger_27, HC_22, HUHilltop_22, Hammy_27, Hamood_27, HayZem_32, HedwigODU_28, Heftyboy_27, Hilltopfarm_28, Homura_28, HubbaBubba_43, Hurricane_28, Hyperbowlee_28, IPhane7_31, IdentityCrisis_21, Illumine_28, Inky_28, InvictusManeo_27, JAWS_28, JF1_29, Jarvi_28, Jayhawk_28, Jebeks_22, Jeckyll_28, Jifall16_43, Joy99_28, Juliette_30, Jumbo_25, Jung_22, Juniormint_22, Kabluna_48, Kari_22, Keshu_28, Kevin1_22, KiSi_27, KidneyBean_44, KilKor_22, Kratio_26, Krueger_28, Ksquared_22, Kurt_44, Labelle_37, Langerak_22, Larva_28, LastHope_28, LaterM_28, LeMond_27, Leston_27, LilPharaoh_24, LilhomieP_30, LindNT_28, Llorens_28, Lollipop1437_50, Lunahalos_28, MacnCheese_29, Maco6_23, Madruga_36, Majeke_22, MalagasyRose_28, Malithi_22, Malthus_30, Mangethe_22, Marcoliusprime_25, MarkPhew_28, Marshawn_29, McMater_28, Mdavu_24, MeaningOfLife_28, Megiddo_22, Megsy_28, MerCougar_46, Meyran_29, MichelleMyBell_22, Milly_25, Miryou_27, MissDaisy_29, Mitti_29, Muddy_25, Mufasa_25, Mulch_27, Murucutumbu_28, Mynx_28, Nadeem_27, NancyRae_27, NatB6_44, Nazo_22, Necropolis_22, Nibb_27, Nikao_24, Niklas_28, NosilaM_48, NovumRegina_44, Nutello_24, Nyceirae_31, OkiRoe_27, OmniCritical_29, Omnicron_28, Oscar_27, Otis_46, Padfoot_28, Padpat_28, Panchino_21, Paola_27, Parada_27, Patience_38, Patio_48, Patt_29, Peanam_28, Peel_28, PegLeg_31, Phalm_22, Pharb_27, Phayonce_22, Phegasus_22, PhelpsODU_28, Phineas_22, Phishy_30, Phomeo_43, Phrank_28, Phrann_21, Piatt_28, Pimento_27, Pixie_28, Pleakley_53, Pokerus_27, Polkaroo_22, Prithvi_28, Psycho_28, Purky_22, QuincyRose_27, Ramen_28, Rando14_28, Rapunzel97_28, RavenCo17_26, Raymond7_21, Rebel_21, Reindeer_30, Reptar3000_29, Richo_28, Rosmarinus_28, Rubeelu_22, Ruthiejr_29, Sadboi_34, Saguario_32, SamScheppers_27, SamuelLPlaqson_28, Sbash_21, Scarlett_27, Scitech_21, SgtBeansprout_24, Shadow1_27, Shaobing_28, ShedlockHolmes_28, ShiaSurprise_28, Shweta_21, SirPhilip_27, SkinnyPete_21, Skinny_32, Skysand_47, Slarp_29, SlimJimmy_30, Slimphazie_28, SoSeph_27, Sonah_22, Sparky_21, Spock_28, StarStruck_46, StevieRay_22, Stinson_29, StressBall_22, Strobilo_25, Sukkupi_46, Sulley_28, Sunflower1121_27, SuperSulley_46, Syra333_28, TBond007_28, TClif_28, TM4_25, Tachez_28, TaiwanKao_29, Taquito_27, Techage_22, Thespis_22, ThulaThula_22, Thyatira_27, Tierra_28, TingHuaYa_28, TiniBug_28, Tiri_28, Topper_28, Torres_24, Tortellini_22, Tracker_44, TreyKay_28, TribbleTrouble_27, TruffulaTree_28, Twitch_28, TyDawg_31, Typha_28, Unicorn_28, Urkel_28, Validus_28, Veliki_28, Venti_22, Vidya_22, Vordorf_31, Waterfoul_27, WheatThin_27, Wheezy_44, WhoseManz_46, Willsammy_22, Wintermute_29, Xavia_22, Xeno_21, Ximenita_29, Y10_29, Y2_29, Yndexa_46, YoureAdopted_27, Yuna_29, Yunkel11_28, Zabiza_28,

Zavala_28, Zilizebeth_22, ZoeJ_25,

Summary by start number:

Start 39:

- Found in 33 of 674 (4.9%) of genes in pham
- Manual Annotations of this start: 9 of 632
- Called 27.3% of time when present
- Phage (with cluster) where this start called: Bananafish_33 (B2), Blocker23_33 (B2), Brownie5_33 (B2), Dori_29 (AD), GodPhather_26 (W), Jeon_25 (W), Lephleur_33 (B2), MasterPo_33 (B2), Tinciduntolum_34 (B2),

Start 41:

- Found in 321 of 674 (47.6%) of genes in pham
- Manual Annotations of this start: 291 of 632
- Called 96.9% of time when present
- Phage (with cluster) where this start called: 39HC_027 (B6), 40BC_027 (B6), ABU_33 (B1), AbsoluteMadLad_32 (B1), Adriana_33 (B1), Aelin_32 (B1), Allegro_33 (B2), AltPhacts_33 (B1), Altwerkus_32 (B1), Anderson_33 (B1), Andre_33 (B1), Antonia_32 (B1), Apizium_32 (B1), Arbitr_33 (B2), Ashraf_32 (B1), Badfish_33 (B1), Banjo_32 (B1), Basato_34 (B1), BatteryCK_32 (B1), Beaglebox_32 (B1), Bishoperium_32 (B1), BlackStallion_33 (B1), BlueHusk_33 (B1), Bluephacebaby_32 (B1), Boehler_33 (B1), Boyle_33 (B2), Brilliant_33 (B1), Buckeye_33 (B1), Burr_32 (B1), Calamitous_33 (B2), CamL_33 (B1), CampRoach_33 (B1), Cannibal_33 (B1), Carthage_31 (B1), Chaelin_33 (B1), Chah_34 (B1), Charles1_33 (B1), CharlieGBrown_32 (B1), CheetO_33 (B1), Cher_32 (B1), Childish_32 (B1), Chorkpop_33 (B1), Chute_32 (B1), Cobra_33 (B1), Coffee_33 (B2), Colbert_33 (B1), Coletti_32 (B1), Cornobble_32 (B1), Cosmolli16_32 (B1), Craff_33 (B1), Crownjwl_33 (B1), DaddyDaniels_33 (B1), Daffy_33 (B1), Daka_33 (B1), Dati_33 (B1), DelRivs_32 (B1), Derpp_32 (B1), Dice_32 (B1), Dingo_33 (B1), Dione_32 (B1), DirtJuice_33 (B1), Doddsville_33 (B1), DoesntMatter_33 (B1), DonSanchon_32 (B1), DuchessDung_31 (B1), Duggie_32 (B1), Durga_33 (B1), Eaglehorse_33 (B2), Emiris_33 (B1), EmpTee_33 (B1), Eremos_33 (B1), Etaye_33 (B1), Eugenia_33 (B1), Fang_33 (B1), Faze9_33 (B2), FluffyNinja_33 (B1), Fozzie_32 (B1), Frankicide_33 (B1), FrenchFry_33 (B2), Freya_32 (B1), FriarPreacher_33 (B1), Fringe_33 (B1), FugateOSU_32 (B1), Funsized_35 (B9), Gareth_32 (B1), GeneCoco_33 (B1), Giraffe_33 (B1), Glass_33 (B2), Gophee_33 (B1), Grand2040_32 (B1), Gwilliam_33 (B1), Gyarad_0033 (B1), HSavage_33 (B1), Haimas_33 (B1), Haleema_32 (B1), Hamish_33 (B1), Hartsy_33 (B1), Harvey_33 (B1), Hedgerow_33 (B2), Held_33 (B1), HenryJackson_32 (B1), Hertubise_33 (B1), Hetaeria_33 (B1), HighStump_32 (B1), Hocus_32 (B1), Holeinone_33 (B2), Horchata_33 (B1), Hosp_025 (B6), ImtiyazSitla_32 (B1), Inchworm_33 (B1), Inverness_33 (B1), Iridoclysis_33 (B1), IsaacEli_33 (B1), ItsyBitsy1_33 (B2), JDog_32 (B1), JacAttac_33 (B1), JakeO_32 (B1), JangoPhett_33 (B1), Jillium_32 (B1), Jiminy_32 (B1), Jiraiya_33 (B1), Jolie1_027 (B6), Jolie2_23 (G4), KLucky39_33 (B1), Kahve_32 (B1), Kailash_33 (B1), Kaleb_33 (B2), Katniss_33 (B1), KayaCho_27 (B6), Keitherie_33 (B1), Kheth_33 (B2), Kikipoo_33 (B1), Kimbrough_33 (B1), KingTut_24 (B1), KingVeVeVe_33 (B1), KlimbOn_33 (B1), Kloppinator_33 (B1), Kwadwo_32 (B1), Kwksand96_32 (B1), Labeouficaum_32 (B1), Lars_33 (B2), LasagnaCat_33 (B1), Lasso_33 (B1), LeeLot_33 (B1), Lego3393_33 (B1), Legolas_32 (B1), LeiMonet_33 (B1), LemonSlice_33 (B1), LilMcDreamy_28 (B12), LizLemon_33 (B2), Longacauda_32 (B1), Lopsy_32 (B1), LostAndPhound_32 (B1), LuckyMarjie_32 (B1), Lulumae_32 (B1), Lulwa_33 (B1), Lumine_32 (B1), MRabcd_32 (B1), Mag7_32 (B1),

Magic8_33 (B1), Mana_32 (B1), Manad_32 (B1), Mao1_27 (AD), Maru_32 (B1), Mask_28 (AD), Maskar_32 (B1), Matalotodo_33 (B1), Mcshane_32 (B1), Mecca_32 (B1), Megamind20_33 (B1), Megatron_33 (B1), Melc17_33 (B1), MelsMeow_32 (B1), Mesh1_33 (B1), MichaelPhcott_32 (B1), Mikota_33 (B1), MiniBoss_33 (B1), MitKao_33 (B1), Morgushi_33 (B1), Morty_33 (B1), Mosaic_32 (B1), MrPhizzler_32 (B1), Mulan_32 (B1), Murdoc_33 (B1), Mutante_32 (B1), Nacho_0033 (B1), Newman_33 (B1), Nicole21_33 (B1), Numberten_33 (B1), Nyala_32 (B1), OSmaximus_33 (B1), Olak_32 (B1), Oline_32 (B1), Olive_33 (B1), OliverWalter_33 (B1), Omniscient_33 (B1), Oosterbaan_33 (B1), Opia_33 (B2), Orfeu_32 (B1), Orion_33 (B1), Orwigg_33 (B1), PG1_33 (B1), Pacifista_32 (B1), Phamished_33 (B1), Phantasmagoria_33 (B2), Phareon_33 (B1), PhatCats2014_33 (B1), PhatLouie_33 (B1), Phenghiskhan_32 (B1), Pherdinand_33 (B1), Phergie_32 (B1), Phipps_33 (B1), Phleuron_32 (B1), PhrankReynolds_32 (B1), PhrodoBaggins_32 (B1), Phunky_33 (B1), Piglet_0032 (B1), PinheadLarry_33 (B1), Pinkman_32 (B1), Pipsqueak_33 (B1), Placalicious_32 (B1), Plmatters_33 (B1), Podrick_33 (B1), Pops_33 (B1), Potter_32 (B1), Prickles_33 (B1), ProfessorX_33 (B1), Puhltonio_33 (B1), QueenBeane_33 (B1), Quisquillae_33 (B1), RedMaple_32 (B1), Rhinoforte_33 (B2), Ricotta_32 (B1), Riggan_33 (B1), Rimu_34 (B1), Rinkes_34 (B9), Robyn_32 (B1), Roliet_33 (B1), Roscoe_34 (B1), Rosebush_33 (B2), Roy17_33 (B1), SDcharge11_33 (B1), Sabella_33 (B2), Samaymay_33 (B1), SassyCat97_32 (B1), Schadenfreude_32 (B1), Schueller_33 (B1), Scoot17C_33 (B1), Scrick_33 (B1), Sejanus_28 (AD), Selr12_33 (B1), Serendipity_33 (B1), Serpentine_0033 (B1), Sheila_33 (B1), ShiVal_33 (B1), Sigman_33 (B1), SilverBell_33 (B1), Simielle_32 (B1), Skippy_33 (B1), Slatt_33 (B1), Soile_33 (B1), Solosis_32 (B1), Sophia_32 (B1), Soto_33 (B1), Spartan300_33 (B1), Squid_33 (B1), Squiggle_33 (B1), Stargaze_23 (G5), Struggle_32 (B1), Suffolk_33 (B1), Surely_33 (B1), Swiphy_34 (B1), Swish_33 (B1), TA17A_33 (B2), TallGrassMM_33 (B1), Telesworld_32 (B1), Thora_33 (B1), ThreeOh3D2_33 (B1), Thunderbird_32 (B1), Timmi_32 (B1), TomBombadil_33 (B1), Tomlarah_33 (B1), Toni_32 (B1), Tooj_33 (B1), Tres_33 (B2), True_32 (B1), Trypo_33 (B1), TyrionL_32 (B1), UAch1_33 (B1), UncleHowie_33 (B1), Usavi_33 (B1), Vaishali24_32 (B1), Valjean_33 (B1), Vaticameos_33 (B1), Veritas_32 (B1), Virapocalypse_33 (B1), Virgeve_32 (B1), Vista_33 (B1), Vivaldi_33 (B1), Vortex_33 (B1), Wallhey_32 (B1), Waterdiva_33 (B1), Weher20_33 (B1), West99_33 (B2), Windsor_32 (B1), Xavier_32 (B1), Yoshand_33 (B1), YouGoGlencoco_33 (B1), Zaider_34 (B1), Zelda_33 (B1), Zonia_33 (B1),

Start 59:

- Found in 4 of 674 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 632
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 8UZL_25 (AB), FF47_25 (AB), Maco6_23 (AB), Muddy_25 (AB),

Start 61:

- Found in 8 of 674 (1.2%) of genes in pham
- Manual Annotations of this start: 8 of 632
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CactusJack_22 (P1), Glaske_22 (P1), KilKor_22 (P1), Megiddo_22 (P1), Phalm_22 (P1), Shweta_21 (N), StressBall_22 (P1), Xeno_21 (N),

Start 62:

- Found in 40 of 674 (5.9%) of genes in pham

- Manual Annotations of this start: 8 of 632
- Called 32.5% of time when present
- Phage (with cluster) where this start called: Dalilpop_49 (CR1), Eponine_29 (K4), Flapper_49 (CR1), GRU1_34 (CR1), GTE5_36 (CR1), GTE8_33 (CR2), HubbaBubba_43 (CR4), Kari_22 (P1), Langerak_22 (P1), Malithi_22 (P1), Phrann_21 (N), SamScheppers_27 (K4), Taquito_27 (K4),

Start 63:

- Found in 6 of 674 (0.9%) of genes in pham
- Manual Annotations of this start: 6 of 632
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Butters_22 (N), Juliette_30 (K4), Kevin1_22 (N), Rebel_21 (N), Rubeelu_22 (N), Ruthiejr_29 (K4),

Start 64:

- Found in 139 of 674 (20.6%) of genes in pham
- Manual Annotations of this start: 125 of 632
- Called 94.2% of time when present
- Phage (with cluster) where this start called: Agent47_27 (K5), AlleyCat_28 (K5), Andies_21 (N), Arib1_22 (P1), Arti_44 (CR2), Atcoo_22 (P1), AuntGwenStacy_28 (Y), Auspice_31 (M1), Babsiella_22 (I1), Bartholomew_22 (P1), BiPauneto_47 (CR4), BigNuz_22 (P4), Bipper_28 (Y), Bongo_31 (M1), Bonum_48 (CR2), Bricole_31 (M1), Brusacoram_22 (P1), Buggaboo_46 (CR2), Bunnies_22 (P1), Camster_22 (P1), Che9c_21 (I2), Collard_27 (K5), Commandaria_46 (CR2), Cracklewink_28 (Y), Curiosium_29 (K1), Dadosky_28 (K5), Diminimus_32 (M1), Donovan_22 (P1), Dulcita_32 (M1), DumpsterDude_23 (DW), Dynamo_22 (P1), Edugator_27 (K5), Emianna_44 (CR2), Ennea_51 (CR3), Ewald_30 (DT), Farewell_21 (AF), Feyre_27 (K5), FirstPlacePfu_22 (P1), Fishburne_22 (P1), Float294_47 (CR3), Foxboro_45 (CR2), Fury_53 (CR5), Gengar_27 (K5), Glaske16_32 (M1), GrootJr_46 (CR2), Gsput1_26 (CU2), Guillsminger_27 (K5), HC_22 (I1), HUHilltop_22 (P1), Heftyboy_27 (K5), Hilltopfarm_28 (Y), IPhane7_31 (M1), IdentityCrisis_21 (singleton), InvictusManeo_27 (K5), Jebeks_22 (P1), Jifall16_43 (CR2), Jung_22 (P1), Juniormint_22 (P1), Kabluna_48 (CR2), KidneyBean_44 (CR2), Kratio_26 (K5), Ksquared_22 (P1), Kurt_44 (CR2), Larva_28 (K5), Leston_27 (K5), LilhomieP_30 (M1), Lollipop1437_50 (CR3), Majeke_22 (P1), MalagasyRose_28 (AG), Mangethe_22 (P1), MerCougar_46 (CR2), MichelleMyBell_22 (N), Miryou_27 (K5), NatB6_44 (CR2), Nazo_22 (P4), Necropolis_22 (P1), NosilaM_48 (CR2), NovumRegina_44 (CR2), Nyceirae_31 (DT), OkiRoe_27 (K5), Omnicron_28 (K5), Outis_46 (CR2), Panchino_21 (N), Paola_27 (K5), Patio_48 (CR3), PegLeg_31 (M1), Pharb_27 (K3), Phayonce_22 (P5), Phegasus_22 (P1), Phineas_22 (P1), Phishy_30 (DT), Phomeo_43 (CR2), Pimento_27 (DI), Pleakley_53 (CR5), Polkaroo_22 (P1), Psycho_28 (K5), Purky_22 (P6), Rando14_28 (K5), RavenCo17_26 (CZ8), Raymond7_21 (N), Reindeer_30 (M1), Sbash_21 (I2), Scitech_21 (N), SkinnyPete_21 (N), Skinny_32 (M1), Skysand_47 (CR3), SlimJimmy_30 (M1), SoSeph_27 (K5), Sonah_22 (P1), Sparky_21 (AF), StarStruck_46 (CR2), StevieRay_22 (P1), Sukkupi_46 (CR4), SuperSulley_46 (CR2), Techage_22 (P1), Thespis_22 (P1), ThulaThula_22 (P5), Thyatira_27 (K5), Tortellini_22 (P2), Tracker_44 (CR2), TyDawg_31 (M1), Typha_28 (Y), Venti_22 (P1), Vidya_22 (P1), Waterfoul_27 (K5), Wheezy_44 (CR2), WhoseManz_46 (CR4), Willsammy_22 (P1), Xavia_22 (P3), Yndexa_46 (CR4), Zilizebeth_22 (P1),

Start 65:

- Found in 98 of 674 (14.5%) of genes in pham

- Manual Annotations of this start: 91 of 632
- Called 95.9% of time when present
- Phage (with cluster) where this start called: Adephagia_28 (K1), Ageofdapage_28 (K1), AlishaPH_28 (K1), Amgine_26 (K6), Amohnton_27 (K6), Angelica_28 (K1), Apocalypse_28 (K1), Asayake_28 (K1), Atiba_28 (K1), BEEST_28 (K1), BGIlluvia_28 (K1), BaghaKamala_28 (K1), BarrelRoll_28 (K1), Beezoo_28 (K1), Bella96_28 (K1), Belladonna_28 (K1), Blizzard_28 (K1), Boiiii_28 (K1), CREW_28 (K1), Capricorn_28 (K1), CaseJules_28 (K1), CheetoDust_28 (K1), CrimD_28 (K1), Dalmuri_28 (K1), DarthP_27 (K6), Dartin_28 (K1), Deby_28 (K1), Devera_28 (K1), Dole_28 (K1), DrHayes_28 (K1), Durfee_28 (K1), Efra2_28 (K1), Ekdilam_25 (K6), Ellie_25 (K6), Emerson_28 (K1), Fefferhead_27 (K6), Ganymede_29 (K1), Geraldini_28 (K1), Guanica15_28 (K1), Hammy_27 (K6), HedwigODU_28 (K1), Homura_28 (K1), Hyperbowlee_28 (K1), Illumine_28 (K1), Inky_28 (K1), JAWS_28 (K1), Jarvi_28 (K1), Jayhawk_28 (K1), Jeckyll_28 (K1), Joy99_28 (K1), LaterM_28 (K1), LindNT_28 (K1), Llorens_28 (K1), Lunahalos_28 (K1), McMater_28 (K1), MeaningOfLife_28 (K1), Megsy_28 (K1), Murucutumbu_28 (K1), Mynx_28 (K1), Niklas_28 (K1), Padfoot_28 (K1), Padpat_28 (K1), Peanam_28 (K1), Peel_28 (K1), Piatt_28 (K1), Pokerus_27 (K1), Prithvi_28 (K1), QuincyRose_27 (K1), Ramen_28 (K1), Rapunzel97_28 (K1), Richo_28 (K1), Rosmarinus_28 (K1), SamuelLPlaqson_28 (K1), Shaobing_28 (K1), ShiaSurprise_28 (K1), Slimphazie_28 (K1), Spock_28 (K1), Stinson_29 (K1), Sulley_28 (K1), Tachez_28 (K1), TiniBug_28 (K1), Tiri_28 (K1), Topper_28 (K1), TreyKay_28 (K1), TruffulaTree_28 (K1), Twitch_28 (K1), Urkel_28 (K1), Validus_28 (K1), Veliki_28 (K1), YoureAdopted_27 (K1), Yuna_29 (K6), Yunkel11_28 (K1), Zabiza_28 (K1), Zavala_28 (K1),

Start 66:

- Found in 2 of 674 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 632
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dogfish_30 (DT), Vordorf_31 (DT),

Start 67:

- Found in 77 of 674 (11.4%) of genes in pham
- Manual Annotations of this start: 75 of 632
- Called 98.7% of time when present
- Phage (with cluster) where this start called: Amelie_24 (K1), Ayotoya_27 (DI), BetterKatz_27 (DI), Binglebops_24 (K1), Bock_27 (DI), BoostSeason_25 (K2), Bryler_28 (K6), Brylie_27 (DI), Cain_28 (K6), Chancellor_29 (K4), Cheetobro_29 (K4), Chop_27 (DI), Chris_27 (K1), DelRio_28 (DI), DismalFunk_25 (K2), DismalStressor_25 (K2), Enkosi_24 (K1), Findley_25 (K2), Fionnbharth_29 (K4), Francois_27 (DI), GrandSlam_27 (DI), Hamood_27 (DI), Hurricane_28 (K3), JF1_29 (K4), Keshu_28 (K3), KiSi_27 (K1), Krueger_28 (K6), LastHope_28 (K1), LeMond_27 (K1), LilPharaoh_24 (K1), MacnCheese_29 (K3), Malthus_30 (K4), Marcoliusprime_25 (K2), MarkPhew_28 (K1), Marshawn_29 (K6), Mdavu_24 (K1), Milly_25 (K2), MissDaisy_29 (K4), Mitti_29 (K4), Mufasa_25 (K2), Mulch_27 (DI), Nadeem_27 (DI), NancyRae_27 (DI), Nibb_27 (K1), Nikao_24 (K1), Nutello_24 (K1), OmniCritical_29 (K4), Oscar_27 (K1), Parada_27 (DI), Patt_29 (K4), PhelpsODU_28 (K6), Phrank_28 (K6), Pixie_28 (K3), Reptar3000_29 (K4), Scarlett_27 (K1), SgtBeansprout_24 (K1), Shadow1_27 (K6), ShedlockHolmes_28 (K3), SirPhilip_27 (K6), Slarp_29 (K4), Strobilo_25 (K2), Sunflower1121_27 (K6), Syra333_28 (K6), TBond007_28 (K3), TClif_28 (K6), TM4_25 (K2), Tierra_28 (K6), TingHuaYa_28 (K1), TripleTrouble_27 (K3), Unicorn_28 (K6), WheatThin_27 (DI), Wintermute_29 (K4), Ximenita_29 (K6), Y10_29 (K4), Y2_29 (K4), ZoeJ_25 (K2),

Start 68:

- Found in 4 of 674 (0.6%) of genes in pham
- Manual Annotations of this start: 4 of 632
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jumbo_25 (DF3), Labelle_37 (U), Madrug_36 (U), Patience_38 (U),

Start 70:

- Found in 318 of 674 (47.2%) of genes in pham
- Manual Annotations of this start: 1 of 632
- Called 0.3% of time when present
- Phage (with cluster) where this start called: Chunky_33 (B1),

Start 71:

- Found in 1 of 674 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 632
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Daredevil_37 (DL),

Start 75:

- Found in 4 of 674 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 632
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Meyran_29 (DT),

Start 80:

- Found in 6 of 674 (0.9%) of genes in pham
- Manual Annotations of this start: 3 of 632
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Amore2_33 (CS1), Austin_33 (CS1), GMA7_23 (CS1), GTE7_23 (CS1), HayZem_32 (CS1),

Start 81:

- Found in 1 of 674 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 632
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Saguaro_32 (B7),

Start 83:

- Found in 1 of 674 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 632
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Archimedes_26 (DA),

Start 108:

- Found in 68 of 674 (10.1%) of genes in pham
- Manual Annotations of this start: 3 of 632
- Called 5.9% of time when present
- Phage (with cluster) where this start called: ActinUp_28 (K1), Adonis_28 (K1), Anaya_29 (K1), TaiwanKao_29 (K1),

Start 139:

- Found in 26 of 674 (3.9%) of genes in pham
- No Manual Annotations of this start.
- Called 3.8% of time when present
- Phage (with cluster) where this start called: Torres_24 (K1),

Start 159:

- Found in 1 of 674 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 632
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sadboi_34 (DV),

Summary by clusters:

There are 47 clusters represented in this pham: CZ8, DI, singleton, DA, K3, K2, K1, AB, M1, K6, K5, K4, DV, DW, DT, DL, G5, G4, AG, I1, I2, DF3, CS1, P2, P3, P1, P6, AD, P4, P5, N, U, W, Y, AF, CU2, CR2, CR3, CR1, CR4, CR5, B6, B7, B1, B2, B12, B9,

Info for manual annotations of cluster AB:

- Start number 59 was manually annotated 2 times for cluster AB.

Info for manual annotations of cluster AD:

- Start number 39 was manually annotated 1 time for cluster AD.
- Start number 41 was manually annotated 3 times for cluster AD.

Info for manual annotations of cluster AF:

- Start number 64 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 64 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster B1:

- Start number 41 was manually annotated 262 times for cluster B1.
- Start number 70 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B12:

- Start number 41 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B2:

- Start number 39 was manually annotated 6 times for cluster B2.
- Start number 41 was manually annotated 22 times for cluster B2.

Info for manual annotations of cluster B6:

- Start number 41 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 81 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B9:

- Start number 41 was manually annotated 2 times for cluster B9.

Info for manual annotations of cluster CR1:

- Start number 62 was manually annotated 2 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 64 was manually annotated 20 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 64 was manually annotated 5 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 64 was manually annotated 4 times for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 64 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster CS1:

- Start number 80 was manually annotated 3 times for cluster CS1.

Info for manual annotations of cluster CZ8:

- Start number 64 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DA:

- Start number 83 was manually annotated 1 time for cluster DA.

Info for manual annotations of cluster DF3:

- Start number 68 was manually annotated 1 time for cluster DF3.

Info for manual annotations of cluster DI:

- Start number 64 was manually annotated 1 time for cluster DI.
- Start number 67 was manually annotated 14 times for cluster DI.

Info for manual annotations of cluster DL:

- Start number 71 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster DT:

- Start number 64 was manually annotated 3 times for cluster DT.
- Start number 66 was manually annotated 1 time for cluster DT.
- Start number 75 was manually annotated 1 time for cluster DT.

Info for manual annotations of cluster DV:

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

Info for manual annotations of cluster DW:

- Start number 64 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster I1:

- Start number 64 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster I2:

- Start number 64 was manually annotated 2 times for cluster I2.

Info for manual annotations of cluster K1:

- Start number 64 was manually annotated 1 time for cluster K1.
- Start number 65 was manually annotated 83 times for cluster K1.
- Start number 67 was manually annotated 16 times for cluster K1.
- Start number 108 was manually annotated 3 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 67 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 64 was manually annotated 1 time for cluster K3.
- Start number 67 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 62 was manually annotated 3 times for cluster K4.
- Start number 63 was manually annotated 2 times for cluster K4.
- Start number 67 was manually annotated 14 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 64 was manually annotated 22 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 65 was manually annotated 8 times for cluster K6.
- Start number 67 was manually annotated 14 times for cluster K6.

Info for manual annotations of cluster M1:

- Start number 64 was manually annotated 13 times for cluster M1.

Info for manual annotations of cluster N:

- Start number 61 was manually annotated 2 times for cluster N.
- Start number 62 was manually annotated 1 time for cluster N.
- Start number 63 was manually annotated 4 times for cluster N.
- Start number 64 was manually annotated 5 times for cluster N.

Info for manual annotations of cluster P1:

- Start number 61 was manually annotated 6 times for cluster P1.
- Start number 62 was manually annotated 2 times for cluster P1.
- Start number 64 was manually annotated 27 times for cluster P1.

Info for manual annotations of cluster P2:

- Start number 64 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 64 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:

- Start number 64 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 64 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:

- Start number 64 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster U:

- Start number 68 was manually annotated 3 times for cluster U.

Info for manual annotations of cluster W:

- Start number 39 was manually annotated 2 times for cluster W.

Info for manual annotations of cluster Y:

- Start number 64 was manually annotated 4 times for cluster Y.

Gene Information:

Gene: 39HC_027 Start: 30067, Stop: 31293, Start Num: 41

Candidate Starts for 39HC_027:

(8, 29542), (10, 29644), (Start: 41 @30067 has 291 MA's), (45, 30106), (60, 30157), (Start: 70 @30178 has 1 MA's), (84, 30223), (110, 30283), (119, 30304), (120, 30307), (140, 30364), (161, 30418), (162, 30421), (164, 30427), (213, 30544), (242, 30613), (259, 30718), (296, 30850), (298, 30856), (331, 30979), (345, 31039), (371, 31093), (374, 31099), (396, 31147),

Gene: 40BC_027 Start: 30067, Stop: 31293, Start Num: 41

Candidate Starts for 40BC_027:

(8, 29542), (10, 29644), (Start: 41 @30067 has 291 MA's), (45, 30106), (60, 30157), (Start: 70 @30178 has 1 MA's), (84, 30223), (110, 30283), (119, 30304), (120, 30307), (140, 30364), (161, 30418), (162, 30421), (164, 30427), (213, 30544), (242, 30613), (259, 30718), (296, 30850), (298, 30856), (331, 30979), (345, 31039), (371, 31093), (374, 31099), (396, 31147),

Gene: 8UZL_25 Start: 21727, Stop: 22752, Start Num: 59

Candidate Starts for 8UZL_25:

(Start: 59 @21727 has 2 MA's), (90, 21817), (124, 21886), (128, 21895), (160, 21973), (184, 22036), (186, 22039), (216, 22087), (264, 22183), (274, 22219), (292, 22270), (301, 22327), (375, 22564), (421, 22690),

Gene: ABU_33 Start: 32364, Stop: 33524, Start Num: 41

Candidate Starts for ABU_33:

(Start: 41 @32364 has 291 MA's), (Start: 70 @32475 has 1 MA's), (84, 32520), (125, 32619), (149, 32679), (161, 32715), (170, 32739), (189, 32784), (192, 32790), (215, 32841), (234, 32880), (235, 32883), (239, 32895), (244, 32910), (266, 32934), (274, 32967), (296, 33048), (304, 33093), (318, 33141), (330, 33177), (334, 33186), (336, 33192), (415, 33417),

Gene: AbsoluteMadLad_32 Start: 32373, Stop: 33533, Start Num: 41

Candidate Starts for AbsoluteMadLad_32:

(Start: 41 @32373 has 291 MA's), (Start: 70 @32484 has 1 MA's), (84, 32529), (125, 32628), (149, 32688), (161, 32724), (170, 32748), (189, 32793), (192, 32799), (215, 32850), (234, 32889), (235, 32892), (239, 32904), (244, 32919), (266, 32943), (274, 32976), (296, 33057), (304, 33102), (318, 33150), (330, 33186), (334, 33195), (336, 33201), (415, 33426),

Gene: ActinUp_28 Start: 23436, Stop: 24338, Start Num: 108

Candidate Starts for ActinUp_28:

(13, 22881), (23, 23028), (49, 23280), (Start: 65 @23325 has 91 MA's), (Start: 108 @23436 has 3 MA's), (152, 23550), (201, 23667), (221, 23709), (228, 23721), (274, 23775), (296, 23853), (318, 23949), (323, 23961), (333, 23991), (336, 24000), (372, 24114), (402, 24183),

Gene: Adephagia_28 Start: 23322, Stop: 24335, Start Num: 65

Candidate Starts for Adephagia_28:

(13, 22878), (23, 23025), (49, 23277), (Start: 65 @23322 has 91 MA's), (Start: 108 @23433 has 3 MA's), (152, 23547), (201, 23664), (221, 23706), (228, 23718), (274, 23772), (296, 23850), (318, 23946), (323, 23958), (333, 23988), (336, 23997), (372, 24111), (402, 24180),

Gene: Adonis_28 Start: 23439, Stop: 24341, Start Num: 108

Candidate Starts for Adonis_28:

(13, 22884), (49, 23283), (Start: 65 @23328 has 91 MA's), (Start: 108 @23439 has 3 MA's), (152, 23553), (201, 23670), (221, 23712), (228, 23724), (274, 23778), (296, 23856), (314, 23940), (318, 23952), (323, 23964), (336, 24003), (372, 24117), (402, 24186),

Gene: Adriana_33 Start: 32362, Stop: 33522, Start Num: 41

Candidate Starts for Adriana_33:

(Start: 41 @32362 has 291 MA's), (Start: 70 @32473 has 1 MA's), (84, 32518), (125, 32617), (149, 32677), (161, 32713), (170, 32737), (189, 32782), (192, 32788), (215, 32839), (234, 32878), (235, 32881), (239, 32893), (244, 32908), (266, 32932), (274, 32965), (296, 33046), (304, 33091), (318, 33139), (330, 33175), (334, 33184), (336, 33190), (415, 33415),

Gene: Aelin_32 Start: 31928, Stop: 33088, Start Num: 41

Candidate Starts for Aelin_32:

(Start: 41 @31928 has 291 MA's), (Start: 70 @32039 has 1 MA's), (84, 32084), (125, 32183), (149, 32243), (161, 32279), (170, 32303), (189, 32348), (192, 32354), (215, 32405), (234, 32444), (235, 32447), (239, 32459), (266, 32498), (274, 32531), (296, 32612), (304, 32657), (318, 32705), (330, 32741), (334, 32750), (336, 32756), (415, 32981),

Gene: Agent47_27 Start: 24079, Stop: 25143, Start Num: 64

Candidate Starts for Agent47_27:

(Start: 64 @24079 has 125 MA's), (93, 24169), (105, 24196), (132, 24259), (150, 24307), (164, 24346), (170, 24364), (190, 24409), (218, 24448), (239, 24496), (245, 24514), (278, 24589), (297, 24655), (316, 24745), (317, 24748), (318, 24751), (329, 24784), (351, 24883), (352, 24886), (390, 24970), (395, 24982), (424, 25099),

Gene: Ageofdapage_28 Start: 23272, Stop: 24285, Start Num: 65

Candidate Starts for Ageofdapage_28:

(Start: 65 @23272 has 91 MA's), (Start: 108 @23383 has 3 MA's), (152, 23497), (201, 23614), (221, 23656), (274, 23722), (278, 23731), (296, 23800), (318, 23896), (323, 23908), (328, 23926), (336, 23947), (372, 24061), (402, 24130), (423, 24226),

Gene: AlishaPH_28 Start: 23315, Stop: 24328, Start Num: 65

Candidate Starts for AlishaPH_28:

(13, 22871), (49, 23270), (Start: 65 @23315 has 91 MA's), (Start: 108 @23426 has 3 MA's), (152, 23540), (201, 23657), (221, 23699), (228, 23711), (274, 23765), (296, 23843), (318, 23939), (323, 23951), (333, 23981), (336, 23990), (372, 24104), (402, 24173),

Gene: Allegro_33 Start: 32683, Stop: 33846, Start Num: 41

Candidate Starts for Allegro_33:

(24, 32536), (Start: 39 @32677 has 9 MA's), (Start: 41 @32683 has 291 MA's), (45, 32722), (53, 32752), (Start: 70 @32797 has 1 MA's), (84, 32842), (125, 32941), (149, 33001), (161, 33037), (170, 33061), (189, 33106), (192, 33112), (215, 33163), (234, 33202), (235, 33205), (239, 33217), (244, 33232), (266, 33256), (274, 33289), (296, 33370), (318, 33463), (330, 33499), (334, 33508), (336, 33514), (345, 33574), (415, 33739),

Gene: AlleyCat_28 Start: 24010, Stop: 25074, Start Num: 64

Candidate Starts for AlleyCat_28:

(Start: 64 @24010 has 125 MA's), (93, 24100), (107, 24130), (129, 24184), (132, 24190), (150, 24238), (164, 24277), (170, 24295), (172, 24298), (218, 24379), (239, 24427), (245, 24445), (297, 24586), (316, 24676), (317, 24679), (318, 24682), (329, 24715), (334, 24727), (351, 24814), (352, 24817), (395, 24913), (424, 25030),

Gene: AltPhacts_33 Start: 32351, Stop: 33511, Start Num: 41

Candidate Starts for AltPhacts_33:

(Start: 41 @32351 has 291 MA's), (Start: 70 @32462 has 1 MA's), (84, 32507), (125, 32606), (149, 32666), (161, 32702), (170, 32726), (189, 32771), (192, 32777), (215, 32828), (234, 32867), (235, 32870), (239, 32882), (244, 32897), (266, 32921), (274, 32954), (296, 33035), (304, 33080), (318, 33128), (330, 33164), (334, 33173), (336, 33179), (415, 33404),

Gene: Altwerkus_32 Start: 32052, Stop: 33212, Start Num: 41

Candidate Starts for Altwerkus_32:

(Start: 41 @32052 has 291 MA's), (Start: 70 @32163 has 1 MA's), (84, 32208), (125, 32307), (149, 32367), (161, 32403), (170, 32427), (189, 32472), (192, 32478), (215, 32529), (234, 32568), (235, 32571), (239, 32583), (266, 32622), (274, 32655), (296, 32736), (304, 32781), (318, 32829), (330, 32865), (334, 32874), (336, 32880), (415, 33105),

Gene: Amelie_24 Start: 22900, Stop: 23907, Start Num: 67

Candidate Starts for Amelie_24:

(52, 22849), (54, 22861), (Start: 67 @22900 has 75 MA's), (87, 22960), (120, 23032), (139, 23086), (148, 23107), (201, 23236), (223, 23281), (225, 23284), (273, 23341), (274, 23344), (289, 23389), (297, 23425), (318, 23521), (323, 23533), (353, 23653), (412, 23785),

Gene: Amgine_26 Start: 23356, Stop: 24351, Start Num: 65

Candidate Starts for Amgine_26:

(51, 23320), (Start: 65 @23356 has 91 MA's), (97, 23446), (Start: 108 @23467 has 3 MA's), (150, 23575), (152, 23581), (160, 23602), (165, 23623), (284, 23830), (296, 23884), (297, 23887), (315, 23971), (316, 23974), (372, 24139),

Gene: Amohndition_27 Start: 23778, Stop: 24782, Start Num: 65

Candidate Starts for Amohndition_27:

(Start: 65 @23778 has 91 MA's), (156, 24015), (201, 24120), (291, 24279), (313, 24381), (316, 24393), (352, 24528), (359, 24546), (402, 24639), (417, 24705), (421, 24717),

Gene: Amore2_33 Start: 36453, Stop: 37457, Start Num: 80

Candidate Starts for Amore2_33:

(Start: 80 @36453 has 3 MA's), (94, 36501), (100, 36519), (135, 36597), (141, 36615), (147, 36624), (168, 36690), (205, 36771), (280, 36924), (291, 36951), (295, 36972), (317, 37074), (346, 37200), (402, 37302), (427, 37434),

Gene: Anaya_29 Start: 23452, Stop: 24354, Start Num: 108

Candidate Starts for Anaya_29:

(13, 22897), (49, 23296), (Start: 65 @23341 has 91 MA's), (Start: 108 @23452 has 3 MA's), (152, 23566), (201, 23683), (221, 23725), (228, 23737), (274, 23791), (296, 23869), (318, 23965), (323, 23977), (333, 24007), (336, 24016), (372, 24130), (402, 24199),

Gene: Anderson_33 Start: 32357, Stop: 33517, Start Num: 41

Candidate Starts for Anderson_33:

(Start: 41 @32357 has 291 MA's), (Start: 70 @32468 has 1 MA's), (84, 32513), (125, 32612), (149, 32672), (161, 32708), (170, 32732), (189, 32777), (192, 32783), (215, 32834), (234, 32873), (235, 32876), (239, 32888), (266, 32927), (274, 32960), (296, 33041), (304, 33086), (318, 33134), (330, 33170), (334, 33179), (336, 33185), (415, 33410),

Gene: Andies_21 Start: 20194, Stop: 21228, Start Num: 64

Candidate Starts for Andies_21:

(Start: 64 @20194 has 125 MA's), (123, 20350), (125, 20356), (165, 20464), (166, 20467), (172, 20482), (222, 20569), (239, 20614), (274, 20695), (292, 20752), (297, 20776), (323, 20881), (340, 20953), (355, 20998),

Gene: Andre_33 Start: 32356, Stop: 33516, Start Num: 41

Candidate Starts for Andre_33:

(Start: 41 @32356 has 291 MA's), (Start: 70 @32467 has 1 MA's), (84, 32512), (125, 32611), (149, 32671), (161, 32707), (170, 32731), (189, 32776), (192, 32782), (215, 32833), (234, 32872), (235, 32875), (239, 32887), (266, 32926), (274, 32959), (296, 33040), (304, 33085), (318, 33133), (330, 33169), (334, 33178), (336, 33184), (415, 33409),

Gene: Angelica_28 Start: 23290, Stop: 24303, Start Num: 65

Candidate Starts for Angelica_28:

(Start: 65 @23290 has 91 MA's), (Start: 108 @23401 has 3 MA's), (152, 23515), (201, 23632), (228, 23686), (235, 23704), (274, 23740), (296, 23818), (318, 23914), (323, 23926), (333, 23956), (336, 23965), (372, 24079), (402, 24148),

Gene: Antonia_32 Start: 31928, Stop: 33088, Start Num: 41

Candidate Starts for Antonia_32:

(Start: 41 @31928 has 291 MA's), (Start: 70 @32039 has 1 MA's), (84, 32084), (125, 32183), (149, 32243), (161, 32279), (170, 32303), (189, 32348), (192, 32354), (215, 32405), (234, 32444), (235, 32447), (239, 32459), (266, 32498), (274, 32531), (296, 32612), (304, 32657), (318, 32705), (330, 32741), (334, 32750), (336, 32756), (415, 32981),

Gene: Apizium_32 Start: 32120, Stop: 33280, Start Num: 41

Candidate Starts for Apizium_32:

(Start: 41 @32120 has 291 MA's), (Start: 70 @32231 has 1 MA's), (84, 32276), (125, 32375), (149, 32435), (161, 32471), (170, 32495), (189, 32540), (192, 32546), (215, 32597), (234, 32636), (235, 32639), (239, 32651), (266, 32690), (274, 32723), (296, 32804), (304, 32849), (318, 32897), (330, 32933), (334, 32942), (336, 32948), (415, 33173),

Gene: Apocalypse_28 Start: 23293, Stop: 24306, Start Num: 65

Candidate Starts for Apocalypse_28:

(Start: 65 @23293 has 91 MA's), (Start: 108 @23404 has 3 MA's), (152, 23518), (201, 23635), (221, 23677), (228, 23689), (274, 23743), (296, 23821), (318, 23917), (323, 23929), (336, 23968), (364, 24064), (372, 24082), (402, 24151),

Gene: Arbiter_33 Start: 32772, Stop: 33935, Start Num: 41

Candidate Starts for Arbiter_33:

(24, 32625), (Start: 39 @32766 has 9 MA's), (Start: 41 @32772 has 291 MA's), (45, 32811), (53, 32841), (Start: 70 @32886 has 1 MA's), (84, 32931), (125, 33030), (149, 33090), (161, 33126), (170, 33150), (189, 33195), (192, 33201), (215, 33252), (234, 33291), (235, 33294), (239, 33306), (244, 33321), (266, 33345), (274, 33378), (296, 33459), (318, 33552), (330, 33588), (334, 33597), (336, 33603), (345, 33663), (415, 33828),

Gene: Archimedes_26 Start: 23367, Stop: 24368, Start Num: 83

Candidate Starts for Archimedes_26:

(Start: 75 @23343 has 1 MA's), (Start: 83 @23367 has 1 MA's), (114, 23445), (168, 23595), (261, 23766), (297, 23898), (314, 23982), (325, 24018), (346, 24114), (401, 24213), (428, 24348),

Gene: Arib1_22 Start: 21305, Stop: 22342, Start Num: 64

Candidate Starts for Arib1_22:

(55, 21281), (Start: 62 @21302 has 8 MA's), (Start: 64 @21305 has 125 MA's), (74, 21329), (125, 21467), (140, 21509), (166, 21578), (199, 21638), (222, 21683), (239, 21728), (274, 21809), (292, 21866), (297, 21890), (323, 21995), (340, 22067), (355, 22112), (421, 22277),

Gene: Arti_44 Start: 34961, Stop: 36019, Start Num: 64

Candidate Starts for Arti_44:

(1, 33521), (2, 33818), (4, 34049), (11, 34418), (30, 34796), (33, 34811), (36, 34829), (Start: 64 @34961 has 125 MA's), (202, 35306), (225, 35357), (243, 35405),

Gene: Asayake_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Asayake_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (Start: 108 @23467 has 3 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (323, 23992), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Ashraf_32 Start: 31924, Stop: 33084, Start Num: 41

Candidate Starts for Ashraf_32:

(Start: 41 @31924 has 291 MA's), (Start: 70 @32035 has 1 MA's), (84, 32080), (125, 32179), (149, 32239), (161, 32275), (170, 32299), (189, 32344), (192, 32350), (215, 32401), (234, 32440), (235, 32443), (239, 32455), (244, 32470), (266, 32494), (274, 32527), (296, 32608), (304, 32653), (318, 32701), (330, 32737), (334, 32746), (336, 32752), (415, 32977),

Gene: Atcoo_22 Start: 21759, Stop: 22826, Start Num: 64

Candidate Starts for Atcoo_22:

(Start: 64 @21759 has 125 MA's), (125, 21921), (140, 21963), (166, 22032), (199, 22092), (222, 22137), (239, 22182), (292, 22320), (297, 22344),

Gene: Atiba_28 Start: 23285, Stop: 24298, Start Num: 65

Candidate Starts for Atiba_28:

(13, 22841), (23, 22988), (49, 23240), (Start: 65 @23285 has 91 MA's), (118, 23417), (152, 23510), (201, 23627), (221, 23669), (228, 23681), (274, 23735), (296, 23813), (318, 23909), (333, 23951), (336, 23960), (372, 24074), (402, 24143),

Gene: AuntGwenStacy_28 Start: 26025, Stop: 27062, Start Num: 64

Candidate Starts for AuntGwenStacy_28:

(Start: 64 @26025 has 125 MA's), (109, 26148), (132, 26202), (144, 26238), (169, 26301), (199, 26349), (228, 26403), (229, 26406), (296, 26592), (301, 26628), (312, 26670), (318, 26688), (336, 26739),

Gene: Auspice_31 Start: 26992, Stop: 28047, Start Num: 64

Candidate Starts for Auspice_31:

(Start: 64 @26992 has 125 MA's), (144, 27205), (160, 27241), (184, 27304), (229, 27376), (239, 27406), (246, 27427), (267, 27463), (278, 27499), (292, 27547), (296, 27568), (298, 27574), (301, 27604), (302, 27607), (315, 27655), (383, 27865), (409, 27919),

Gene: Austin_33 Start: 36453, Stop: 37457, Start Num: 80

Candidate Starts for Austin_33:

(Start: 80 @36453 has 3 MA's), (94, 36501), (100, 36519), (141, 36615), (147, 36624), (168, 36690), (205, 36771), (280, 36924), (291, 36951), (295, 36972), (317, 37074), (346, 37200), (402, 37302), (427, 37434),

Gene: Ayotoya_27 Start: 24101, Stop: 25168, Start Num: 67

Candidate Starts for Ayotoya_27:

(Start: 67 @24101 has 75 MA's), (228, 24479), (286, 24620), (289, 24635), (292, 24647), (297, 24671), (314, 24755), (316, 24761), (327, 24794), (331, 24806), (354, 24902), (356, 24905), (368, 24926),

Gene: BEEST_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for BEEST_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (Start: 108 @23467 has 3 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (323, 23992), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: BGlluviae_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for BGlluviae_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Babsiella_22 Start: 21313, Stop: 22350, Start Num: 64

Candidate Starts for Babsiella_22:

(55, 21289), (Start: 62 @21310 has 8 MA's), (Start: 64 @21313 has 125 MA's), (74, 21337), (125, 21475), (140, 21517), (166, 21586), (199, 21646), (222, 21691), (239, 21736), (274, 21817), (292, 21874), (297, 21898), (323, 22003), (340, 22075), (355, 22120), (421, 22285),

Gene: Badfish_33 Start: 32386, Stop: 33546, Start Num: 41

Candidate Starts for Badfish_33:

(Start: 41 @32386 has 291 MA's), (Start: 70 @32497 has 1 MA's), (84, 32542), (125, 32641), (149, 32701), (161, 32737), (170, 32761), (189, 32806), (192, 32812), (215, 32863), (234, 32902), (235, 32905), (239, 32917), (244, 32932), (266, 32956), (274, 32989), (296, 33070), (304, 33115), (318, 33163), (330, 33199), (334, 33208), (336, 33214), (415, 33439),

Gene: BaghaKamala_28 Start: 23285, Stop: 24298, Start Num: 65

Candidate Starts for BaghaKamala_28:

(13, 22841), (49, 23240), (Start: 65 @23285 has 91 MA's), (Start: 108 @23396 has 3 MA's), (152, 23510), (201, 23627), (221, 23669), (228, 23681), (274, 23735), (296, 23813), (318, 23909), (323, 23921), (333, 23951), (336, 23960), (372, 24074), (402, 24143),

Gene: Bananafish_33 Start: 32686, Stop: 33855, Start Num: 39

Candidate Starts for Bananafish_33:

(24, 32545), (Start: 39 @32686 has 9 MA's), (Start: 41 @32692 has 291 MA's), (45, 32731), (53, 32761), (Start: 70 @32806 has 1 MA's), (84, 32851), (125, 32950), (149, 33010), (161, 33046), (170, 33070), (189, 33115), (192, 33121), (215, 33172), (234, 33211), (235, 33214), (239, 33226), (244, 33241), (266, 33265), (274, 33298), (296, 33379), (318, 33472), (330, 33508), (334, 33517), (336, 33523), (415, 33748),

Gene: Banjo_32 Start: 32062, Stop: 33222, Start Num: 41

Candidate Starts for Banjo_32:

(Start: 41 @32062 has 291 MA's), (Start: 70 @32173 has 1 MA's), (84, 32218), (125, 32317), (149, 32377), (161, 32413), (170, 32437), (189, 32482), (192, 32488), (215, 32539), (234, 32578), (235,

32581), (239, 32593), (244, 32608), (266, 32632), (274, 32665), (296, 32746), (304, 32791), (318, 32839), (330, 32875), (334, 32884), (336, 32890), (415, 33115),

Gene: BarrelRoll_28 Start: 23308, Stop: 24321, Start Num: 65

Candidate Starts for BarrelRoll_28:

(13, 22864), (49, 23263), (Start: 65 @23308 has 91 MA's), (Start: 108 @23419 has 3 MA's), (152, 23533), (201, 23650), (221, 23692), (228, 23704), (274, 23758), (296, 23836), (318, 23932), (333, 23974), (336, 23983), (372, 24097), (402, 24166),

Gene: Bartholomew_22 Start: 21299, Stop: 22336, Start Num: 64

Candidate Starts for Bartholomew_22:

(55, 21275), (Start: 62 @21296 has 8 MA's), (Start: 64 @21299 has 125 MA's), (74, 21323), (125, 21461), (140, 21503), (166, 21572), (199, 21632), (222, 21677), (239, 21722), (274, 21803), (292, 21860), (297, 21884), (323, 21989), (340, 22061), (355, 22106), (421, 22271),

Gene: Basato_34 Start: 32641, Stop: 33801, Start Num: 41

Candidate Starts for Basato_34:

(Start: 41 @32641 has 291 MA's), (Start: 70 @32752 has 1 MA's), (84, 32797), (125, 32896), (149, 32956), (161, 32992), (170, 33016), (189, 33061), (192, 33067), (215, 33118), (234, 33157), (235, 33160), (239, 33172), (244, 33187), (266, 33211), (274, 33244), (296, 33325), (304, 33370), (318, 33418), (330, 33454), (334, 33463), (336, 33469), (415, 33694),

Gene: BatteryCK_32 Start: 31981, Stop: 33141, Start Num: 41

Candidate Starts for BatteryCK_32:

(Start: 41 @31981 has 291 MA's), (Start: 70 @32092 has 1 MA's), (84, 32137), (125, 32236), (149, 32296), (161, 32332), (170, 32356), (189, 32401), (192, 32407), (215, 32458), (234, 32497), (235, 32500), (239, 32512), (266, 32551), (274, 32584), (296, 32665), (318, 32758), (330, 32794), (334, 32803), (336, 32809), (415, 33034),

Gene: Beaglebox_32 Start: 32083, Stop: 33243, Start Num: 41

Candidate Starts for Beaglebox_32:

(Start: 41 @32083 has 291 MA's), (Start: 70 @32194 has 1 MA's), (84, 32239), (125, 32338), (149, 32398), (161, 32434), (170, 32458), (189, 32503), (192, 32509), (215, 32560), (234, 32599), (235, 32602), (239, 32614), (266, 32653), (274, 32686), (296, 32767), (304, 32812), (318, 32860), (330, 32896), (334, 32905), (336, 32911), (415, 33136),

Gene: Beezoo_28 Start: 23333, Stop: 24346, Start Num: 65

Candidate Starts for Beezoo_28:

(Start: 65 @23333 has 91 MA's), (Start: 108 @23444 has 3 MA's), (152, 23558), (164, 23597), (201, 23675), (221, 23717), (228, 23729), (274, 23783), (296, 23861), (314, 23945), (318, 23957), (323, 23969), (336, 24008), (372, 24122), (402, 24191),

Gene: Bella96_28 Start: 23266, Stop: 24279, Start Num: 65

Candidate Starts for Bella96_28:

(49, 23221), (Start: 65 @23266 has 91 MA's), (78, 23299), (Start: 108 @23377 has 3 MA's), (152, 23491), (201, 23608), (221, 23650), (228, 23662), (274, 23716), (296, 23794), (314, 23878), (318, 23890), (323, 23902), (326, 23914), (336, 23941), (342, 23977), (402, 24124), (423, 24220),

Gene: Belladonna_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Belladonna_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: BetterKatz_27 Start: 23574, Stop: 24641, Start Num: 67

Candidate Starts for BetterKatz_27:

(Start: 67 @23574 has 75 MA's), (228, 23952), (286, 24093), (289, 24108), (292, 24120), (297, 24144), (298, 24147), (314, 24228), (354, 24375),

Gene: BiPauneto_47 Start: 34721, Stop: 35812, Start Num: 64

Candidate Starts for BiPauneto_47:

(Start: 64 @34721 has 125 MA's), (77, 34754), (112, 34850), (178, 35033), (207, 35102), (274, 35240), (279, 35252), (281, 35255),

Gene: BigNuz_22 Start: 21497, Stop: 22546, Start Num: 64

Candidate Starts for BigNuz_22:

(Start: 64 @21497 has 125 MA's), (73, 21518), (125, 21659), (137, 21689), (144, 21710), (169, 21773), (186, 21812), (269, 21971), (301, 22103), (330, 22199), (422, 22484),

Gene: Biglebops_24 Start: 22900, Stop: 23907, Start Num: 67

Candidate Starts for Biglebops_24:

(52, 22849), (54, 22861), (Start: 67 @22900 has 75 MA's), (87, 22960), (120, 23032), (139, 23086), (148, 23107), (201, 23236), (223, 23281), (225, 23284), (273, 23341), (274, 23344), (289, 23389), (297, 23425), (318, 23521), (323, 23533), (353, 23653), (412, 23785),

Gene: Bipper_28 Start: 26155, Stop: 27216, Start Num: 64

Candidate Starts for Bipper_28:

(Start: 64 @26155 has 125 MA's), (115, 26293), (124, 26314), (125, 26317), (143, 26365), (144, 26368), (170, 26443), (199, 26488), (222, 26530), (224, 26533), (231, 26551), (239, 26575), (244, 26587), (247, 26596), (258, 26602), (297, 26734), (316, 26824), (336, 26881), (341, 26917), (347, 26956), (381, 27037), (429, 27199),

Gene: Bishoperium_32 Start: 32071, Stop: 33231, Start Num: 41

Candidate Starts for Bishoperium_32:

(Start: 41 @32071 has 291 MA's), (Start: 70 @32182 has 1 MA's), (84, 32227), (125, 32326), (149, 32386), (161, 32422), (170, 32446), (189, 32491), (192, 32497), (215, 32548), (234, 32587), (235, 32590), (239, 32602), (244, 32617), (266, 32641), (274, 32674), (296, 32755), (304, 32800), (318, 32848), (330, 32884), (334, 32893), (336, 32899), (415, 33124),

Gene: BlackStallion_33 Start: 32373, Stop: 33533, Start Num: 41

Candidate Starts for BlackStallion_33:

(Start: 41 @32373 has 291 MA's), (Start: 70 @32484 has 1 MA's), (84, 32529), (125, 32628), (149, 32688), (161, 32724), (170, 32748), (189, 32793), (192, 32799), (215, 32850), (234, 32889), (235, 32892), (239, 32904), (244, 32919), (266, 32943), (274, 32976), (296, 33057), (304, 33102), (318, 33150), (330, 33186), (334, 33195), (336, 33201), (415, 33426),

Gene: Blizzard_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Blizzard_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (Start: 108 @23467 has 3 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (323, 23992), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Blocker23_33 Start: 32804, Stop: 33973, Start Num: 39

Candidate Starts for Blocker23_33:

(24, 32663), (Start: 39 @32804 has 9 MA's), (Start: 41 @32810 has 291 MA's), (45, 32849), (53, 32879), (Start: 70 @32924 has 1 MA's), (84, 32969), (125, 33068), (149, 33128), (161, 33164), (170,

33188), (189, 33233), (192, 33239), (215, 33290), (234, 33329), (235, 33332), (239, 33344), (244, 33359), (266, 33383), (274, 33416), (296, 33497), (318, 33590), (330, 33626), (334, 33635), (336, 33641), (415, 33866),

Gene: BlueHusk_33 Start: 31870, Stop: 33030, Start Num: 41

Candidate Starts for BlueHusk_33:

(Start: 41 @31870 has 291 MA's), (Start: 70 @31981 has 1 MA's), (84, 32026), (125, 32125), (149, 32185), (161, 32221), (170, 32245), (189, 32290), (192, 32296), (215, 32347), (234, 32386), (235, 32389), (239, 32401), (244, 32416), (266, 32440), (274, 32473), (296, 32554), (304, 32599), (318, 32647), (330, 32683), (334, 32692), (336, 32698), (415, 32923),

Gene: Bluephacebaby_32 Start: 32068, Stop: 33228, Start Num: 41

Candidate Starts for Bluephacebaby_32:

(Start: 41 @32068 has 291 MA's), (Start: 70 @32179 has 1 MA's), (84, 32224), (125, 32323), (149, 32383), (161, 32419), (170, 32443), (189, 32488), (192, 32494), (215, 32545), (234, 32584), (235, 32587), (239, 32599), (244, 32614), (266, 32638), (274, 32671), (296, 32752), (304, 32797), (318, 32845), (330, 32881), (334, 32890), (336, 32896), (415, 33121),

Gene: Bock_27 Start: 23324, Stop: 24391, Start Num: 67

Candidate Starts for Bock_27:

(Start: 67 @23324 has 75 MA's), (228, 23702), (286, 23843), (289, 23858), (297, 23894), (314, 23978), (354, 24125),

Gene: Boehler_33 Start: 32374, Stop: 33534, Start Num: 41

Candidate Starts for Boehler_33:

(Start: 41 @32374 has 291 MA's), (Start: 70 @32485 has 1 MA's), (84, 32530), (125, 32629), (149, 32689), (161, 32725), (170, 32749), (189, 32794), (192, 32800), (215, 32851), (234, 32890), (235, 32893), (239, 32905), (244, 32920), (266, 32944), (274, 32977), (296, 33058), (304, 33103), (318, 33151), (330, 33187), (334, 33196), (336, 33202), (415, 33427),

Gene: Boiiii_28 Start: 23358, Stop: 24371, Start Num: 65

Candidate Starts for Boiiii_28:

(13, 22914), (49, 23313), (Start: 65 @23358 has 91 MA's), (Start: 108 @23469 has 3 MA's), (152, 23583), (201, 23700), (221, 23742), (228, 23754), (274, 23808), (296, 23886), (318, 23982), (323, 23994), (333, 24024), (336, 24033), (372, 24147), (402, 24216),

Gene: Bongo_31 Start: 26992, Stop: 28047, Start Num: 64

Candidate Starts for Bongo_31:

(Start: 64 @26992 has 125 MA's), (144, 27205), (160, 27241), (184, 27304), (229, 27376), (239, 27406), (246, 27427), (267, 27463), (278, 27499), (292, 27547), (296, 27568), (298, 27574), (301, 27604), (302, 27607), (315, 27655), (375, 27844), (383, 27865), (409, 27919),

Gene: Bonum_48 Start: 35639, Stop: 36694, Start Num: 64

Candidate Starts for Bonum_48:

(47, 35576), (Start: 64 @35639 has 125 MA's), (143, 35852), (165, 35909), (226, 36035), (323, 36323), (427, 36668),

Gene: BoostSeason_25 Start: 21308, Stop: 22333, Start Num: 67

Candidate Starts for BoostSeason_25:

(40, 21224), (Start: 67 @21308 has 75 MA's), (104, 21413), (130, 21473), (150, 21527), (152, 21533), (182, 21614), (185, 21620), (194, 21635), (196, 21638), (298, 21842), (426, 22301), (427, 22310),

Gene: Boyle_33 Start: 32811, Stop: 33974, Start Num: 41

Candidate Starts for Boyle_33:

(24, 32664), (Start: 39 @32805 has 9 MA's), (Start: 41 @32811 has 291 MA's), (45, 32850), (53, 32880), (Start: 70 @32925 has 1 MA's), (84, 32970), (125, 33069), (149, 33129), (161, 33165), (170, 33189), (189, 33234), (192, 33240), (215, 33291), (234, 33330), (235, 33333), (239, 33345), (244, 33360), (266, 33384), (274, 33417), (296, 33498), (304, 33543), (318, 33591), (330, 33627), (334, 33636), (336, 33642), (345, 33702), (415, 33867),

Gene: Bricole_31 Start: 26978, Stop: 28033, Start Num: 64

Candidate Starts for Bricole_31:

(Start: 64 @26978 has 125 MA's), (144, 27191), (160, 27227), (184, 27290), (229, 27362), (239, 27392), (246, 27413), (267, 27449), (278, 27485), (292, 27533), (296, 27554), (298, 27560), (301, 27590), (302, 27593), (315, 27641), (375, 27830), (383, 27851), (409, 27905),

Gene: Brilliant_33 Start: 32079, Stop: 33239, Start Num: 41

Candidate Starts for Brilliant_33:

(Start: 41 @32079 has 291 MA's), (Start: 70 @32190 has 1 MA's), (84, 32235), (125, 32334), (149, 32394), (161, 32430), (170, 32454), (189, 32499), (192, 32505), (215, 32556), (234, 32595), (235, 32598), (239, 32610), (266, 32649), (274, 32682), (296, 32763), (304, 32808), (318, 32856), (330, 32892), (334, 32901), (336, 32907), (415, 33132),

Gene: Brownie5_33 Start: 32811, Stop: 33980, Start Num: 39

Candidate Starts for Brownie5_33:

(24, 32670), (Start: 39 @32811 has 9 MA's), (Start: 41 @32817 has 291 MA's), (45, 32856), (53, 32886), (Start: 70 @32931 has 1 MA's), (84, 32976), (125, 33075), (149, 33135), (161, 33171), (170, 33195), (189, 33240), (192, 33246), (215, 33297), (234, 33336), (235, 33339), (239, 33351), (244, 33366), (266, 33390), (274, 33423), (296, 33504), (318, 33597), (330, 33633), (334, 33642), (336, 33648), (345, 33708), (415, 33873),

Gene: Brusacoram_22 Start: 21299, Stop: 22336, Start Num: 64

Candidate Starts for Brusacoram_22:

(55, 21275), (Start: 62 @21296 has 8 MA's), (Start: 64 @21299 has 125 MA's), (74, 21323), (125, 21461), (140, 21503), (166, 21572), (199, 21632), (222, 21677), (239, 21722), (274, 21803), (292, 21860), (297, 21884), (323, 21989), (340, 22061), (355, 22106), (421, 22271),

Gene: Bryler_28 Start: 22694, Stop: 23755, Start Num: 67

Candidate Starts for Bryler_28:

(Start: 67 @22694 has 75 MA's), (95, 22772), (96, 22775), (104, 22793), (148, 22901), (158, 22928), (160, 22934), (201, 23030), (206, 23042), (263, 23144), (273, 23195), (301, 23312), (378, 23555), (384, 23573), (402, 23612),

Gene: Brylie_27 Start: 23315, Stop: 24382, Start Num: 67

Candidate Starts for Brylie_27:

(Start: 67 @23315 has 75 MA's), (151, 23525), (228, 23693), (286, 23834), (289, 23849), (292, 23861), (297, 23885), (314, 23969), (326, 24005), (354, 24116),

Gene: Buckeye_33 Start: 32391, Stop: 33551, Start Num: 41

Candidate Starts for Buckeye_33:

(Start: 41 @32391 has 291 MA's), (Start: 70 @32502 has 1 MA's), (84, 32547), (125, 32646), (149, 32706), (161, 32742), (170, 32766), (189, 32811), (192, 32817), (215, 32868), (234, 32907), (235, 32910), (239, 32922), (244, 32937), (266, 32961), (274, 32994), (296, 33075), (304, 33120), (318, 33168), (330, 33204), (334, 33213), (336, 33219), (415, 33444),

Gene: Buggaboo_46 Start: 36118, Stop: 37173, Start Num: 64

Candidate Starts for Buggaboo_46:

(Start: 64 @36118 has 125 MA's), (143, 36331), (226, 36514), (323, 36802), (427, 37147),

Gene: Bunnies_22 Start: 21321, Stop: 22358, Start Num: 64

Candidate Starts for Bunnies_22:

(55, 21297), (Start: 62 @21318 has 8 MA's), (Start: 64 @21321 has 125 MA's), (74, 21345), (125, 21483), (140, 21525), (166, 21594), (199, 21654), (222, 21699), (239, 21744), (274, 21825), (292, 21882), (297, 21906), (323, 22011), (340, 22083), (355, 22128), (421, 22293),

Gene: Burr_32 Start: 32068, Stop: 33228, Start Num: 41

Candidate Starts for Burr_32:

(Start: 41 @32068 has 291 MA's), (Start: 70 @32179 has 1 MA's), (84, 32224), (125, 32323), (149, 32383), (161, 32419), (170, 32443), (189, 32488), (192, 32494), (215, 32545), (234, 32584), (235, 32587), (239, 32599), (266, 32638), (274, 32671), (296, 32752), (304, 32797), (318, 32845), (330, 32881), (334, 32890), (336, 32896), (415, 33121),

Gene: Butters_22 Start: 19998, Stop: 21038, Start Num: 63

Candidate Starts for Butters_22:

(46, 19932), (Start: 63 @19998 has 6 MA's), (123, 20157), (125, 20163), (165, 20271), (166, 20274), (172, 20289), (222, 20379), (239, 20424), (274, 20505), (292, 20562), (297, 20586), (316, 20673), (323, 20691), (340, 20763), (355, 20808), (421, 20973),

Gene: CREW_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for CREW_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: CactusJack_22 Start: 21561, Stop: 22601, Start Num: 61

Candidate Starts for CactusJack_22:

(Start: 61 @21561 has 8 MA's), (123, 21720), (125, 21726), (140, 21768), (165, 21834), (166, 21837), (199, 21897), (222, 21942), (239, 21987), (274, 22068), (292, 22125), (297, 22149), (323, 22254), (340, 22326), (355, 22371),

Gene: Cain_28 Start: 22682, Stop: 23743, Start Num: 67

Candidate Starts for Cain_28:

(Start: 67 @22682 has 75 MA's), (95, 22760), (96, 22763), (104, 22781), (148, 22889), (158, 22916), (160, 22922), (201, 23018), (206, 23030), (263, 23132), (273, 23183), (301, 23300), (378, 23543), (384, 23561), (402, 23600),

Gene: Calamitous_33 Start: 32697, Stop: 33860, Start Num: 41

Candidate Starts for Calamitous_33:

(24, 32550), (Start: 39 @32691 has 9 MA's), (Start: 41 @32697 has 291 MA's), (45, 32736), (53, 32766), (Start: 70 @32811 has 1 MA's), (84, 32856), (125, 32955), (149, 33015), (161, 33051), (170, 33075), (189, 33120), (192, 33126), (215, 33177), (234, 33216), (235, 33219), (239, 33231), (244, 33246), (266, 33270), (274, 33303), (296, 33384), (318, 33477), (330, 33513), (334, 33522), (336, 33528), (415, 33753),

Gene: CamL_33 Start: 32369, Stop: 33529, Start Num: 41

Candidate Starts for CamL_33:

(Start: 41 @32369 has 291 MA's), (Start: 70 @32480 has 1 MA's), (84, 32525), (125, 32624), (149, 32684), (161, 32720), (170, 32744), (189, 32789), (192, 32795), (215, 32846), (234, 32885), (235, 32888), (239, 32900), (244, 32915), (266, 32939), (274, 32972), (296, 33053), (304, 33098), (318,

33146), (330, 33182), (334, 33191), (336, 33197), (415, 33422),

Gene: CampRoach_33 Start: 32359, Stop: 33519, Start Num: 41

Candidate Starts for CampRoach_33:

(Start: 41 @32359 has 291 MA's), (Start: 70 @32470 has 1 MA's), (84, 32515), (125, 32614), (149, 32674), (161, 32710), (170, 32734), (189, 32779), (192, 32785), (215, 32836), (234, 32875), (235, 32878), (239, 32890), (266, 32929), (274, 32962), (296, 33043), (318, 33136), (330, 33172), (334, 33181), (336, 33187), (415, 33412),

Gene: Camster_22 Start: 21300, Stop: 22367, Start Num: 64

Candidate Starts for Camster_22:

(55, 21276), (Start: 62 @21297 has 8 MA's), (Start: 64 @21300 has 125 MA's), (74, 21324), (125, 21462), (140, 21504), (166, 21573), (199, 21633), (222, 21678), (239, 21723), (272, 21792), (274, 21804), (292, 21861), (297, 21885), (339, 22056),

Gene: Cannibal_33 Start: 32352, Stop: 33512, Start Num: 41

Candidate Starts for Cannibal_33:

(Start: 41 @32352 has 291 MA's), (Start: 70 @32463 has 1 MA's), (84, 32508), (125, 32607), (149, 32667), (161, 32703), (170, 32727), (189, 32772), (192, 32778), (215, 32829), (234, 32868), (235, 32871), (239, 32883), (266, 32922), (274, 32955), (296, 33036), (304, 33081), (318, 33129), (330, 33165), (334, 33174), (336, 33180), (415, 33405),

Gene: Capricorn_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Capricorn_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Carthage_31 Start: 31281, Stop: 32441, Start Num: 41

Candidate Starts for Carthage_31:

(Start: 41 @31281 has 291 MA's), (Start: 70 @31392 has 1 MA's), (84, 31437), (125, 31536), (149, 31596), (161, 31632), (170, 31656), (189, 31701), (192, 31707), (215, 31758), (234, 31797), (235, 31800), (239, 31812), (266, 31851), (274, 31884), (296, 31965), (304, 32010), (318, 32058), (330, 32094), (334, 32103), (336, 32109), (415, 32334),

Gene: CaseJules_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for CaseJules_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (Start: 108 @23467 has 3 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (323, 23992), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Chaelin_33 Start: 32066, Stop: 33226, Start Num: 41

Candidate Starts for Chaelin_33:

(Start: 41 @32066 has 291 MA's), (Start: 70 @32177 has 1 MA's), (84, 32222), (125, 32321), (149, 32381), (161, 32417), (170, 32441), (189, 32486), (192, 32492), (215, 32543), (234, 32582), (235, 32585), (239, 32597), (266, 32636), (274, 32669), (296, 32750), (304, 32795), (318, 32843), (330, 32879), (334, 32888), (336, 32894), (415, 33119),

Gene: Chah_34 Start: 32386, Stop: 33546, Start Num: 41

Candidate Starts for Chah_34:

(Start: 41 @32386 has 291 MA's), (Start: 70 @32497 has 1 MA's), (84, 32542), (125, 32641), (149, 32701), (161, 32737), (170, 32761), (189, 32806), (192, 32812), (215, 32863), (234, 32902), (235, 32905), (239, 32917), (266, 32956), (274, 32989), (296, 33070), (304, 33115), (318, 33163), (330,

33199), (334, 33208), (336, 33214), (415, 33439),

Gene: Chancellor_29 Start: 24596, Stop: 25600, Start Num: 67

Candidate Starts for Chancellor_29:

(Start: 67 @24596 has 75 MA's), (134, 24764), (150, 24809), (152, 24815), (171, 24869), (176, 24878), (212, 24959), (224, 24980), (226, 24986), (228, 24989), (296, 25121), (297, 25124), (328, 25247),

Gene: Charles1_33 Start: 32354, Stop: 33514, Start Num: 41

Candidate Starts for Charles1_33:

(Start: 41 @32354 has 291 MA's), (Start: 70 @32465 has 1 MA's), (84, 32510), (125, 32609), (149, 32669), (161, 32705), (170, 32729), (189, 32774), (192, 32780), (215, 32831), (234, 32870), (235, 32873), (239, 32885), (244, 32900), (266, 32924), (274, 32957), (296, 33038), (304, 33083), (318, 33131), (330, 33167), (334, 33176), (336, 33182), (415, 33407),

Gene: CharlieGBrown_32 Start: 31944, Stop: 33104, Start Num: 41

Candidate Starts for CharlieGBrown_32:

(Start: 41 @31944 has 291 MA's), (Start: 70 @32055 has 1 MA's), (84, 32100), (125, 32199), (149, 32259), (161, 32295), (170, 32319), (189, 32364), (192, 32370), (215, 32421), (234, 32460), (235, 32463), (239, 32475), (244, 32490), (266, 32514), (274, 32547), (296, 32628), (304, 32673), (318, 32721), (330, 32757), (334, 32766), (336, 32772), (415, 32997),

Gene: Che9c_21 Start: 21007, Stop: 22053, Start Num: 64

Candidate Starts for Che9c_21:

(Start: 64 @21007 has 125 MA's), (144, 21220), (199, 21331), (222, 21373), (224, 21376), (248, 21445), (296, 21577), (301, 21613), (335, 21721), (383, 21874), (387, 21883), (391, 21895),

Gene: CheetO_33 Start: 32368, Stop: 33528, Start Num: 41

Candidate Starts for CheetO_33:

(Start: 41 @32368 has 291 MA's), (Start: 70 @32479 has 1 MA's), (84, 32524), (125, 32623), (149, 32683), (161, 32719), (170, 32743), (189, 32788), (192, 32794), (215, 32845), (234, 32884), (235, 32887), (239, 32899), (244, 32914), (266, 32938), (274, 32971), (296, 33052), (304, 33097), (318, 33145), (330, 33181), (334, 33190), (336, 33196), (415, 33421),

Gene: CheetoDust_28 Start: 23333, Stop: 24346, Start Num: 65

Candidate Starts for CheetoDust_28:

(13, 22889), (49, 23288), (Start: 65 @23333 has 91 MA's), (118, 23465), (152, 23558), (201, 23675), (221, 23717), (228, 23729), (274, 23783), (296, 23861), (318, 23957), (333, 23999), (336, 24008), (372, 24122), (402, 24191),

Gene: Cheetobro_29 Start: 24593, Stop: 25597, Start Num: 67

Candidate Starts for Cheetobro_29:

(Start: 67 @24593 has 75 MA's), (134, 24761), (150, 24806), (152, 24812), (171, 24866), (176, 24875), (212, 24956), (224, 24977), (226, 24983), (228, 24986), (296, 25118), (297, 25121), (328, 25244),

Gene: Cher_32 Start: 32091, Stop: 33251, Start Num: 41

Candidate Starts for Cher_32:

(Start: 41 @32091 has 291 MA's), (Start: 70 @32202 has 1 MA's), (84, 32247), (125, 32346), (149, 32406), (161, 32442), (170, 32466), (189, 32511), (192, 32517), (215, 32568), (234, 32607), (235, 32610), (239, 32622), (244, 32637), (266, 32661), (274, 32694), (296, 32775), (304, 32820), (318, 32868), (330, 32904), (334, 32913), (336, 32919), (415, 33144),

Gene: Childish_32 Start: 32094, Stop: 33254, Start Num: 41

Candidate Starts for Childish_32:

(Start: 41 @32094 has 291 MA's), (Start: 70 @32205 has 1 MA's), (84, 32250), (125, 32349), (149, 32409), (161, 32445), (170, 32469), (189, 32514), (192, 32520), (215, 32571), (234, 32610), (235, 32613), (239, 32625), (244, 32640), (266, 32664), (274, 32697), (296, 32778), (304, 32823), (318, 32871), (330, 32907), (334, 32916), (336, 32922), (415, 33147),

Gene: Chop_27 Start: 23849, Stop: 24916, Start Num: 67

Candidate Starts for Chop_27:

(Start: 67 @23849 has 75 MA's), (228, 24227), (286, 24368), (289, 24383), (292, 24395), (297, 24419), (314, 24503), (316, 24509), (327, 24542), (331, 24554), (354, 24650), (356, 24653), (368, 24674),

Gene: Chorkpop_33 Start: 32090, Stop: 33250, Start Num: 41

Candidate Starts for Chorkpop_33:

(Start: 41 @32090 has 291 MA's), (Start: 70 @32201 has 1 MA's), (84, 32246), (125, 32345), (149, 32405), (161, 32441), (170, 32465), (189, 32510), (192, 32516), (215, 32567), (234, 32606), (235, 32609), (239, 32621), (266, 32660), (274, 32693), (296, 32774), (304, 32819), (318, 32867), (330, 32903), (334, 32912), (336, 32918), (415, 33143),

Gene: Chris_27 Start: 22610, Stop: 23596, Start Num: 67

Candidate Starts for Chris_27:

(Start: 67 @22610 has 75 MA's), (106, 22715), (133, 22778), (139, 22799), (152, 22832), (158, 22847), (181, 22907), (226, 23000), (243, 23039), (297, 23138), (311, 23189), (328, 23261), (336, 23282), (364, 23363), (408, 23465),

Gene: Chunky_33 Start: 32488, Stop: 33537, Start Num: 70

Candidate Starts for Chunky_33:

(Start: 41 @32377 has 291 MA's), (Start: 70 @32488 has 1 MA's), (84, 32533), (125, 32632), (149, 32692), (161, 32728), (170, 32752), (189, 32797), (192, 32803), (215, 32854), (234, 32893), (235, 32896), (239, 32908), (244, 32923), (266, 32947), (274, 32980), (296, 33061), (304, 33106), (318, 33154), (330, 33190), (334, 33199), (336, 33205), (415, 33430),

Gene: Chute_32 Start: 32415, Stop: 33575, Start Num: 41

Candidate Starts for Chute_32:

(Start: 41 @32415 has 291 MA's), (Start: 70 @32526 has 1 MA's), (84, 32571), (125, 32670), (149, 32730), (161, 32766), (170, 32790), (189, 32835), (192, 32841), (215, 32892), (234, 32931), (235, 32934), (239, 32946), (266, 32985), (274, 33018), (296, 33099), (304, 33144), (318, 33192), (330, 33228), (334, 33237), (336, 33243), (415, 33468),

Gene: Cobra_33 Start: 32375, Stop: 33535, Start Num: 41

Candidate Starts for Cobra_33:

(Start: 41 @32375 has 291 MA's), (Start: 70 @32486 has 1 MA's), (84, 32531), (125, 32630), (149, 32690), (161, 32726), (170, 32750), (189, 32795), (192, 32801), (215, 32852), (234, 32891), (235, 32894), (239, 32906), (244, 32921), (266, 32945), (274, 32978), (296, 33059), (304, 33104), (318, 33152), (330, 33188), (334, 33197), (336, 33203), (415, 33428),

Gene: Coffee_33 Start: 32800, Stop: 33963, Start Num: 41

Candidate Starts for Coffee_33:

(24, 32653), (Start: 39 @32794 has 9 MA's), (Start: 41 @32800 has 291 MA's), (45, 32839), (53, 32869), (Start: 70 @32914 has 1 MA's), (84, 32959), (125, 33058), (149, 33118), (161, 33154), (170, 33178), (189, 33223), (192, 33229), (215, 33280), (234, 33319), (235, 33322), (239, 33334), (244, 33349), (266, 33373), (274, 33406), (296, 33487), (318, 33580), (330, 33616), (334, 33625), (336,

33631), (415, 33856),

Gene: Colbert_33 Start: 32430, Stop: 33590, Start Num: 41

Candidate Starts for Colbert_33:

(Start: 41 @32430 has 291 MA's), (Start: 70 @32541 has 1 MA's), (84, 32586), (125, 32685), (149, 32745), (161, 32781), (170, 32805), (189, 32850), (192, 32856), (215, 32907), (234, 32946), (235, 32949), (239, 32961), (266, 33000), (274, 33033), (296, 33114), (304, 33159), (318, 33207), (330, 33243), (334, 33252), (336, 33258), (415, 33483),

Gene: Coletti_32 Start: 32415, Stop: 33575, Start Num: 41

Candidate Starts for Coletti_32:

(Start: 41 @32415 has 291 MA's), (Start: 70 @32526 has 1 MA's), (84, 32571), (125, 32670), (149, 32730), (161, 32766), (170, 32790), (189, 32835), (192, 32841), (215, 32892), (234, 32931), (235, 32934), (239, 32946), (266, 32985), (274, 33018), (296, 33099), (304, 33144), (318, 33192), (330, 33228), (334, 33237), (336, 33243), (415, 33468),

Gene: Collard_27 Start: 24040, Stop: 25104, Start Num: 64

Candidate Starts for Collard_27:

(Start: 64 @24040 has 125 MA's), (93, 24130), (105, 24157), (132, 24220), (150, 24268), (164, 24307), (170, 24325), (190, 24370), (218, 24409), (239, 24457), (245, 24475), (278, 24550), (297, 24616), (316, 24706), (317, 24709), (318, 24712), (329, 24745), (351, 24844), (352, 24847), (390, 24931), (395, 24943), (424, 25060),

Gene: Commandaria_46 Start: 36317, Stop: 37420, Start Num: 64

Candidate Starts for Commandaria_46:

(Start: 64 @36317 has 125 MA's), (112, 36446), (123, 36476), (274, 36836), (297, 36917), (386, 37220),

Gene: Cornobble_32 Start: 31929, Stop: 33089, Start Num: 41

Candidate Starts for Cornobble_32:

(Start: 41 @31929 has 291 MA's), (Start: 70 @32040 has 1 MA's), (84, 32085), (149, 32244), (161, 32280), (170, 32304), (189, 32349), (192, 32355), (215, 32406), (234, 32445), (235, 32448), (239, 32460), (266, 32499), (274, 32532), (296, 32613), (304, 32658), (318, 32706), (330, 32742), (334, 32751), (336, 32757), (415, 32982),

Gene: Cosmolli16_32 Start: 32088, Stop: 33239, Start Num: 41

Candidate Starts for Cosmolli16_32:

(Start: 41 @32088 has 291 MA's), (Start: 70 @32199 has 1 MA's), (84, 32244), (125, 32343), (149, 32403), (161, 32439), (170, 32463), (189, 32508), (192, 32514), (215, 32565), (228, 32589), (234, 32604), (235, 32607), (239, 32619), (244, 32634), (266, 32658), (274, 32691), (296, 32772), (304, 32817), (318, 32865), (330, 32901), (334, 32910), (336, 32916), (415, 33141),

Gene: Cracklewink_28 Start: 26155, Stop: 27216, Start Num: 64

Candidate Starts for Cracklewink_28:

(Start: 64 @26155 has 125 MA's), (115, 26293), (124, 26314), (125, 26317), (143, 26365), (144, 26368), (170, 26443), (199, 26488), (222, 26530), (224, 26533), (231, 26551), (239, 26575), (244, 26587), (247, 26596), (258, 26602), (297, 26734), (316, 26824), (336, 26881), (347, 26956), (381, 27037), (429, 27199),

Gene: Craff_33 Start: 32372, Stop: 33532, Start Num: 41

Candidate Starts for Craff_33:

(Start: 41 @32372 has 291 MA's), (Start: 70 @32483 has 1 MA's), (84, 32528), (125, 32627), (149, 32687), (161, 32723), (170, 32747), (189, 32792), (192, 32798), (215, 32849), (234, 32888), (235,

32891), (239, 32903), (244, 32918), (266, 32942), (274, 32975), (296, 33056), (304, 33101), (318, 33149), (330, 33185), (334, 33194), (336, 33200), (415, 33425),

Gene: CrimD_28 Start: 23294, Stop: 24307, Start Num: 65

Candidate Starts for CrimD_28:

(Start: 65 @23294 has 91 MA's), (Start: 108 @23405 has 3 MA's), (152, 23519), (201, 23636), (221, 23678), (228, 23690), (274, 23744), (296, 23822), (314, 23906), (318, 23918), (323, 23930), (336, 23969), (423, 24248),

Gene: Crownjwl_33 Start: 32145, Stop: 33305, Start Num: 41

Candidate Starts for Crownjwl_33:

(Start: 41 @32145 has 291 MA's), (Start: 70 @32256 has 1 MA's), (84, 32301), (125, 32400), (149, 32460), (161, 32496), (170, 32520), (189, 32565), (192, 32571), (215, 32622), (234, 32661), (235, 32664), (239, 32676), (244, 32691), (266, 32715), (274, 32748), (296, 32829), (304, 32874), (318, 32922), (330, 32958), (334, 32967), (336, 32973), (415, 33198),

Gene: Curiosium_29 Start: 23069, Stop: 24148, Start Num: 64

Candidate Starts for Curiosium_29:

(Start: 64 @23069 has 125 MA's), (Start: 75 @23096 has 1 MA's), (103, 23183), (123, 23228), (129, 23243), (132, 23249), (140, 23276), (148, 23291), (164, 23336), (165, 23339), (169, 23351), (178, 23372), (190, 23399), (208, 23420), (239, 23486), (292, 23630), (296, 23651), (298, 23657), (345, 23855), (357, 23888), (361, 23897),

Gene: DaddyDaniels_33 Start: 32063, Stop: 33223, Start Num: 41

Candidate Starts for DaddyDaniels_33:

(Start: 41 @32063 has 291 MA's), (Start: 70 @32174 has 1 MA's), (84, 32219), (125, 32318), (149, 32378), (161, 32414), (170, 32438), (189, 32483), (192, 32489), (215, 32540), (234, 32579), (235, 32582), (239, 32594), (244, 32609), (266, 32633), (274, 32666), (296, 32747), (318, 32840), (330, 32876), (334, 32885), (336, 32891), (415, 33116),

Gene: Dadosky_28 Start: 24011, Stop: 25075, Start Num: 64

Candidate Starts for Dadosky_28:

(Start: 64 @24011 has 125 MA's), (93, 24101), (107, 24131), (129, 24185), (132, 24191), (150, 24239), (164, 24278), (170, 24296), (172, 24299), (218, 24380), (239, 24428), (245, 24446), (297, 24587), (316, 24677), (317, 24680), (318, 24683), (329, 24716), (334, 24728), (351, 24815), (352, 24818), (395, 24914), (424, 25031),

Gene: Daffy_33 Start: 32094, Stop: 33254, Start Num: 41

Candidate Starts for Daffy_33:

(Start: 41 @32094 has 291 MA's), (Start: 70 @32205 has 1 MA's), (84, 32250), (125, 32349), (149, 32409), (161, 32445), (170, 32469), (189, 32514), (192, 32520), (215, 32571), (234, 32610), (235, 32613), (239, 32625), (266, 32664), (274, 32697), (296, 32778), (304, 32823), (318, 32871), (330, 32907), (334, 32916), (336, 32922), (415, 33147),

Gene: Daka_33 Start: 32368, Stop: 33528, Start Num: 41

Candidate Starts for Daka_33:

(Start: 41 @32368 has 291 MA's), (Start: 70 @32479 has 1 MA's), (84, 32524), (149, 32683), (161, 32719), (170, 32743), (189, 32788), (192, 32794), (215, 32845), (234, 32884), (235, 32887), (239, 32899), (266, 32938), (274, 32971), (296, 33052), (304, 33097), (318, 33145), (330, 33181), (334, 33190), (336, 33196), (415, 33421),

Gene: Dalilpop_49 Start: 37250, Stop: 38311, Start Num: 62

Candidate Starts for Dalilpop_49:

(Start: 62 @37250 has 8 MA's), (99, 37358), (122, 37409), (133, 37436), (149, 37481), (174, 37544), (214, 37628), (225, 37649), (228, 37655), (238, 37682), (239, 37685), (313, 37910), (427, 38285),

Gene: Dalmuri_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Dalmuri_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Daredevil_37 Start: 34603, Stop: 35670, Start Num: 71

Candidate Starts for Daredevil_37:

(Start: 71 @34603 has 1 MA's), (200, 34948), (224, 34993), (235, 35023), (329, 35314), (331, 35320), (337, 35338), (348, 35404), (349, 35407), (358, 35425), (385, 35473), (430, 35659),

Gene: DarthP_27 Start: 23700, Stop: 24704, Start Num: 65

Candidate Starts for DarthP_27:

(Start: 65 @23700 has 91 MA's), (201, 24042), (284, 24174), (291, 24201), (316, 24315), (359, 24468), (402, 24561), (404, 24564), (417, 24627), (421, 24639),

Gene: Dartin_28 Start: 22728, Stop: 23693, Start Num: 65

Candidate Starts for Dartin_28:

(Start: 65 @22728 has 91 MA's), (69, 22734), (126, 22887), (134, 22905), (139, 22923), (152, 22956), (165, 22998), (194, 23058), (201, 23073), (296, 23259), (297, 23262), (313, 23334), (336, 23403), (352, 23451), (358, 23466), (378, 23499), (392, 23538), (420, 23637),

Gene: Dati_33 Start: 32088, Stop: 33248, Start Num: 41

Candidate Starts for Dati_33:

(Start: 41 @32088 has 291 MA's), (Start: 70 @32199 has 1 MA's), (84, 32244), (125, 32343), (149, 32403), (161, 32439), (170, 32463), (189, 32508), (192, 32514), (215, 32565), (234, 32604), (235, 32607), (239, 32619), (266, 32658), (274, 32691), (296, 32772), (318, 32865), (330, 32901), (334, 32910), (336, 32916), (415, 33141),

Gene: Deby_28 Start: 23290, Stop: 24303, Start Num: 65

Candidate Starts for Deby_28:

(Start: 65 @23290 has 91 MA's), (Start: 108 @23401 has 3 MA's), (152, 23515), (201, 23632), (228, 23686), (274, 23740), (296, 23818), (318, 23914), (323, 23926), (333, 23956), (336, 23965), (372, 24079), (402, 24148),

Gene: DelRio_28 Start: 24323, Stop: 25387, Start Num: 67

Candidate Starts for DelRio_28:

(Start: 67 @24323 has 75 MA's), (228, 24701), (286, 24842), (289, 24854), (292, 24866), (297, 24890), (314, 24974), (327, 25013), (354, 25121),

Gene: DelRivs_32 Start: 32089, Stop: 33249, Start Num: 41

Candidate Starts for DelRivs_32:

(Start: 41 @32089 has 291 MA's), (Start: 70 @32200 has 1 MA's), (84, 32245), (125, 32344), (149, 32404), (161, 32440), (170, 32464), (189, 32509), (192, 32515), (215, 32566), (234, 32605), (235, 32608), (239, 32620), (266, 32659), (274, 32692), (296, 32773), (304, 32818), (318, 32866), (330, 32902), (334, 32911), (336, 32917), (415, 33142),

Gene: Derpp_32 Start: 31933, Stop: 33093, Start Num: 41

Candidate Starts for Derpp_32:

(Start: 41 @31933 has 291 MA's), (Start: 70 @32044 has 1 MA's), (84, 32089), (125, 32188), (149, 32248), (161, 32284), (170, 32308), (189, 32353), (192, 32359), (215, 32410), (234, 32449), (235, 32452), (239, 32464), (244, 32479), (266, 32503), (274, 32536), (296, 32617), (304, 32662), (318, 32710), (330, 32746), (334, 32755), (336, 32761), (415, 32986),

Gene: Devera_28 Start: 23337, Stop: 24350, Start Num: 65

Candidate Starts for Devera_28:

(Start: 65 @23337 has 91 MA's), (Start: 108 @23448 has 3 MA's), (113, 23457), (152, 23562), (191, 23658), (201, 23679), (221, 23721), (228, 23733), (274, 23787), (296, 23865), (318, 23961), (323, 23973), (336, 24012), (372, 24126), (402, 24195), (423, 24291),

Gene: Dice_32 Start: 32068, Stop: 33228, Start Num: 41

Candidate Starts for Dice_32:

(Start: 41 @32068 has 291 MA's), (Start: 70 @32179 has 1 MA's), (84, 32224), (125, 32323), (149, 32383), (161, 32419), (170, 32443), (189, 32488), (192, 32494), (215, 32545), (234, 32584), (235, 32587), (239, 32599), (244, 32614), (266, 32638), (274, 32671), (296, 32752), (304, 32797), (318, 32845), (330, 32881), (334, 32890), (336, 32896), (415, 33121),

Gene: Diminimus_32 Start: 26991, Stop: 28046, Start Num: 64

Candidate Starts for Diminimus_32:

(Start: 64 @26991 has 125 MA's), (144, 27204), (160, 27240), (184, 27303), (229, 27375), (239, 27405), (246, 27426), (267, 27462), (278, 27498), (292, 27546), (296, 27567), (298, 27573), (301, 27603), (302, 27606), (315, 27654), (383, 27864), (409, 27918),

Gene: Dingo_33 Start: 32351, Stop: 33511, Start Num: 41

Candidate Starts for Dingo_33:

(Start: 41 @32351 has 291 MA's), (Start: 70 @32462 has 1 MA's), (84, 32507), (125, 32606), (149, 32666), (161, 32702), (170, 32726), (189, 32771), (192, 32777), (215, 32828), (234, 32867), (235, 32870), (239, 32882), (244, 32897), (266, 32921), (274, 32954), (296, 33035), (304, 33080), (318, 33128), (330, 33164), (334, 33173), (336, 33179), (415, 33404),

Gene: Dione_32 Start: 32073, Stop: 33233, Start Num: 41

Candidate Starts for Dione_32:

(Start: 41 @32073 has 291 MA's), (Start: 70 @32184 has 1 MA's), (84, 32229), (125, 32328), (149, 32388), (161, 32424), (170, 32448), (189, 32493), (192, 32499), (215, 32550), (234, 32589), (235, 32592), (239, 32604), (244, 32619), (266, 32643), (274, 32676), (296, 32757), (304, 32802), (318, 32850), (330, 32886), (334, 32895), (336, 32901), (415, 33126),

Gene: DirtJuice_33 Start: 32357, Stop: 33517, Start Num: 41

Candidate Starts for DirtJuice_33:

(Start: 41 @32357 has 291 MA's), (Start: 70 @32468 has 1 MA's), (84, 32513), (125, 32612), (149, 32672), (161, 32708), (170, 32732), (189, 32777), (192, 32783), (215, 32834), (234, 32873), (235, 32876), (239, 32888), (244, 32903), (266, 32927), (274, 32960), (296, 33041), (304, 33086), (318, 33134), (330, 33170), (334, 33179), (336, 33185), (415, 33410),

Gene: DismalFunk_25 Start: 21282, Stop: 22277, Start Num: 67

Candidate Starts for DismalFunk_25:

(21, 20961), (27, 21099), (40, 21198), (Start: 67 @21282 has 75 MA's), (94, 21363), (104, 21387), (130, 21447), (150, 21501), (152, 21507), (194, 21609), (196, 21612), (217, 21660), (221, 21666), (239, 21708), (274, 21732), (298, 21816), (316, 21900), (336, 21957), (427, 22254),

Gene: DismalStressor_25 Start: 21282, Stop: 22277, Start Num: 67

Candidate Starts for DismalStressor_25:

(27, 21099), (40, 21198), (Start: 67 @21282 has 75 MA's), (94, 21363), (104, 21387), (130, 21447), (150, 21501), (152, 21507), (194, 21609), (196, 21612), (217, 21660), (221, 21666), (239, 21708), (274, 21732), (298, 21816), (316, 21900), (336, 21957), (427, 22254),

Gene: Doddsville_33 Start: 32087, Stop: 33247, Start Num: 41

Candidate Starts for Doddsville_33:

(Start: 41 @32087 has 291 MA's), (Start: 70 @32198 has 1 MA's), (84, 32243), (125, 32342), (149, 32402), (161, 32438), (170, 32462), (189, 32507), (192, 32513), (215, 32564), (234, 32603), (235, 32606), (239, 32618), (266, 32657), (274, 32690), (296, 32771), (318, 32864), (330, 32900), (334, 32909), (336, 32915), (415, 33140),

Gene: DoesntMatter_33 Start: 32360, Stop: 33520, Start Num: 41

Candidate Starts for DoesntMatter_33:

(Start: 41 @32360 has 291 MA's), (Start: 70 @32471 has 1 MA's), (84, 32516), (125, 32615), (149, 32675), (161, 32711), (170, 32735), (189, 32780), (192, 32786), (215, 32837), (234, 32876), (235, 32879), (239, 32891), (266, 32930), (274, 32963), (296, 33044), (304, 33089), (318, 33137), (330, 33173), (334, 33182), (336, 33188), (415, 33413),

Gene: Dogfish_30 Start: 26617, Stop: 27699, Start Num: 66

Candidate Starts for Dogfish_30:

(Start: 66 @26617 has 1 MA's), (145, 26827), (173, 26905), (198, 26959), (219, 27004), (243, 27061), (245, 27067), (274, 27130), (292, 27187), (295, 27202), (323, 27319),

Gene: Dole_28 Start: 23339, Stop: 24352, Start Num: 65

Candidate Starts for Dole_28:

(Start: 65 @23339 has 91 MA's), (Start: 108 @23450 has 3 MA's), (113, 23459), (152, 23564), (191, 23660), (201, 23681), (221, 23723), (228, 23735), (274, 23789), (296, 23867), (318, 23963), (323, 23975), (336, 24014), (372, 24128), (402, 24197), (423, 24293),

Gene: DonSanchon_32 Start: 32067, Stop: 33227, Start Num: 41

Candidate Starts for DonSanchon_32:

(Start: 41 @32067 has 291 MA's), (Start: 70 @32178 has 1 MA's), (84, 32223), (125, 32322), (149, 32382), (161, 32418), (170, 32442), (189, 32487), (192, 32493), (215, 32544), (234, 32583), (235, 32586), (239, 32598), (266, 32637), (274, 32670), (296, 32751), (304, 32796), (318, 32844), (330, 32880), (334, 32889), (336, 32895), (415, 33120),

Gene: Donovan_22 Start: 21288, Stop: 22325, Start Num: 64

Candidate Starts for Donovan_22:

(55, 21264), (Start: 62 @21285 has 8 MA's), (Start: 64 @21288 has 125 MA's), (74, 21312), (125, 21450), (140, 21492), (166, 21561), (199, 21621), (222, 21666), (239, 21711), (274, 21792), (292, 21849), (297, 21873), (323, 21978), (340, 22050), (355, 22095), (421, 22260),

Gene: Dori_29 Start: 28828, Stop: 29994, Start Num: 39

Candidate Starts for Dori_29:

(Start: 39 @28828 has 9 MA's), (Start: 41 @28834 has 291 MA's), (42, 28846), (44, 28870), (45, 28873), (53, 28903), (Start: 70 @28948 has 1 MA's), (84, 28993), (85, 28996), (161, 29188), (170, 29212), (173, 29218), (186, 29251), (189, 29257), (192, 29263), (194, 29266), (215, 29314), (242, 29377), (243, 29380), (268, 29413), (290, 29488), (296, 29518), (328, 29641), (331, 29650), (334, 29656),

Gene: DrHayes_28 Start: 23284, Stop: 24297, Start Num: 65

Candidate Starts for DrHayes_28:

(49, 23239), (Start: 65 @23284 has 91 MA's), (Start: 108 @23395 has 3 MA's), (152, 23509), (201, 23626), (221, 23668), (228, 23680), (274, 23734), (296, 23812), (318, 23908), (323, 23920), (336, 23959), (342, 23995), (402, 24142), (423, 24238),

Gene: DuchessDung_31 Start: 31224, Stop: 32384, Start Num: 41

Candidate Starts for DuchessDung_31:

(Start: 41 @31224 has 291 MA's), (Start: 70 @31335 has 1 MA's), (84, 31380), (125, 31479), (149, 31539), (161, 31575), (170, 31599), (189, 31644), (192, 31650), (215, 31701), (234, 31740), (235, 31743), (239, 31755), (266, 31794), (274, 31827), (296, 31908), (318, 32001), (330, 32037), (334, 32046), (336, 32052), (415, 32277),

Gene: Duggie_32 Start: 32089, Stop: 33249, Start Num: 41

Candidate Starts for Duggie_32:

(Start: 41 @32089 has 291 MA's), (Start: 70 @32200 has 1 MA's), (84, 32245), (125, 32344), (149, 32404), (161, 32440), (170, 32464), (189, 32509), (192, 32515), (215, 32566), (234, 32605), (235, 32608), (239, 32620), (244, 32635), (266, 32659), (274, 32692), (296, 32773), (304, 32818), (318, 32866), (330, 32902), (334, 32911), (336, 32917), (415, 33142),

Gene: Dulcita_32 Start: 26991, Stop: 28046, Start Num: 64

Candidate Starts for Dulcita_32:

(Start: 64 @26991 has 125 MA's), (144, 27204), (160, 27240), (184, 27303), (229, 27375), (239, 27405), (246, 27426), (267, 27462), (278, 27498), (292, 27546), (296, 27567), (298, 27573), (301, 27603), (302, 27606), (315, 27654), (383, 27864), (409, 27918),

Gene: DumpsterDude_23 Start: 21990, Stop: 23072, Start Num: 64

Candidate Starts for DumpsterDude_23:

(38, 21855), (Start: 64 @21990 has 125 MA's), (86, 22062), (145, 22200), (158, 22230), (199, 22338), (222, 22380), (243, 22434), (292, 22560),

Gene: Durfee_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Durfee_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (Start: 108 @23467 has 3 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (323, 23992), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Durga_33 Start: 32387, Stop: 33547, Start Num: 41

Candidate Starts for Durga_33:

(Start: 41 @32387 has 291 MA's), (Start: 70 @32498 has 1 MA's), (84, 32543), (125, 32642), (149, 32702), (161, 32738), (170, 32762), (189, 32807), (192, 32813), (215, 32864), (234, 32903), (235, 32906), (239, 32918), (244, 32933), (266, 32957), (274, 32990), (296, 33071), (304, 33116), (318, 33164), (330, 33200), (334, 33209), (336, 33215), (415, 33440),

Gene: Dynamo_22 Start: 21688, Stop: 22722, Start Num: 64

Candidate Starts for Dynamo_22:

(Start: 64 @21688 has 125 MA's), (123, 21844), (125, 21850), (165, 21958), (166, 21961), (172, 21976), (222, 22063), (239, 22108), (274, 22189), (292, 22246), (297, 22270), (323, 22375), (340, 22447), (355, 22492),

Gene: Eaglehorse_33 Start: 32724, Stop: 33887, Start Num: 41

Candidate Starts for Eaglehorse_33:

(24, 32577), (Start: 39 @32718 has 9 MA's), (Start: 41 @32724 has 291 MA's), (45, 32763), (53, 32793), (Start: 70 @32838 has 1 MA's), (84, 32883), (125, 32982), (149, 33042), (161, 33078), (170, 33102), (189, 33147), (192, 33153), (215, 33204), (234, 33243), (235, 33246), (239, 33258), (244,

33273), (266, 33297), (274, 33330), (296, 33411), (304, 33456), (318, 33504), (330, 33540), (334, 33549), (336, 33555), (415, 33780),

Gene: Edugator_27 Start: 24010, Stop: 25074, Start Num: 64

Candidate Starts for Edugator_27:

(Start: 64 @24010 has 125 MA's), (93, 24100), (107, 24130), (129, 24184), (132, 24190), (150, 24238), (164, 24277), (170, 24295), (172, 24298), (218, 24379), (239, 24427), (245, 24445), (297, 24586), (316, 24676), (317, 24679), (318, 24682), (329, 24715), (334, 24727), (351, 24814), (352, 24817), (424, 25030),

Gene: Efra2_28 Start: 22526, Stop: 23587, Start Num: 65

Candidate Starts for Efra2_28:

(Start: 65 @22526 has 91 MA's), (Start: 108 @22640 has 3 MA's), (152, 22754), (160, 22775), (193, 22853), (197, 22862), (206, 22883), (209, 22889), (282, 22997), (296, 23057), (320, 23177), (321, 23183), (322, 23189), (340, 23279), (388, 23405), (393, 23420),

Gene: Ekdilam_25 Start: 23459, Stop: 24463, Start Num: 65

Candidate Starts for Ekdilam_25:

(Start: 65 @23459 has 91 MA's), (139, 23651), (148, 23672), (160, 23705), (171, 23738), (201, 23801), (284, 23933), (291, 23960), (316, 24074), (359, 24227), (402, 24320), (417, 24386),

Gene: Ellie_25 Start: 23458, Stop: 24465, Start Num: 65

Candidate Starts for Ellie_25:

(Start: 65 @23458 has 91 MA's), (97, 23548), (Start: 108 @23569 has 3 MA's), (139, 23650), (152, 23683), (160, 23704), (297, 23989), (304, 24028), (417, 24388), (429, 24448),

Gene: Emerson_28 Start: 23316, Stop: 24329, Start Num: 65

Candidate Starts for Emerson_28:

(13, 22872), (49, 23271), (Start: 65 @23316 has 91 MA's), (152, 23541), (201, 23658), (221, 23700), (228, 23712), (274, 23766), (296, 23844), (318, 23940), (323, 23952), (333, 23982), (336, 23991), (372, 24105), (402, 24174),

Gene: Emianna_44 Start: 35974, Stop: 37032, Start Num: 64

Candidate Starts for Emianna_44:

(1, 34534), (2, 34831), (4, 35062), (11, 35431), (30, 35809), (33, 35824), (36, 35842), (Start: 64 @35974 has 125 MA's), (202, 36319), (225, 36370), (243, 36418),

Gene: Emiris_33 Start: 32358, Stop: 33518, Start Num: 41

Candidate Starts for Emiris_33:

(Start: 41 @32358 has 291 MA's), (Start: 70 @32469 has 1 MA's), (84, 32514), (125, 32613), (149, 32673), (161, 32709), (170, 32733), (189, 32778), (192, 32784), (215, 32835), (234, 32874), (235, 32877), (239, 32889), (244, 32904), (266, 32928), (274, 32961), (296, 33042), (304, 33087), (318, 33135), (330, 33171), (334, 33180), (336, 33186), (415, 33411),

Gene: EmpTee_33 Start: 32367, Stop: 33527, Start Num: 41

Candidate Starts for EmpTee_33:

(Start: 41 @32367 has 291 MA's), (Start: 70 @32478 has 1 MA's), (84, 32523), (125, 32622), (149, 32682), (161, 32718), (170, 32742), (189, 32787), (192, 32793), (215, 32844), (234, 32883), (235, 32886), (239, 32898), (266, 32937), (274, 32970), (296, 33051), (304, 33096), (318, 33144), (330, 33180), (334, 33189), (336, 33195), (415, 33420),

Gene: Enkosi_24 Start: 22900, Stop: 23907, Start Num: 67

Candidate Starts for Enkosi_24:

(52, 22849), (54, 22861), (Start: 67 @22900 has 75 MA's), (87, 22960), (120, 23032), (139, 23086), (148, 23107), (201, 23236), (223, 23281), (225, 23284), (273, 23341), (274, 23344), (289, 23389), (297, 23425), (318, 23521), (323, 23533), (353, 23653), (412, 23785),

Gene: Ennea_51 Start: 36974, Stop: 38035, Start Num: 64

Candidate Starts for Ennea_51:

(Start: 64 @36974 has 125 MA's), (134, 37160), (213, 37346), (214, 37349), (298, 37559),

Gene: Eponine_29 Start: 24914, Stop: 25987, Start Num: 62

Candidate Starts for Eponine_29:

(Start: 62 @24914 has 8 MA's), (Start: 64 @24917 has 125 MA's), (155, 25157), (166, 25193), (169, 25202), (172, 25208), (199, 25253), (222, 25298), (230, 25316), (239, 25343), (274, 25424), (292, 25481), (297, 25505),

Gene: Eremos_33 Start: 32366, Stop: 33526, Start Num: 41

Candidate Starts for Eremos_33:

(Start: 41 @32366 has 291 MA's), (84, 32522), (125, 32621), (149, 32681), (161, 32717), (170, 32741), (189, 32786), (192, 32792), (215, 32843), (234, 32882), (235, 32885), (239, 32897), (266, 32936), (274, 32969), (296, 33050), (304, 33095), (318, 33143), (330, 33179), (334, 33188), (336, 33194), (415, 33419),

Gene: Etaye_33 Start: 32357, Stop: 33517, Start Num: 41

Candidate Starts for Etaye_33:

(Start: 41 @32357 has 291 MA's), (Start: 70 @32468 has 1 MA's), (84, 32513), (125, 32612), (149, 32672), (161, 32708), (170, 32732), (189, 32777), (192, 32783), (215, 32834), (234, 32873), (235, 32876), (239, 32888), (244, 32903), (266, 32927), (274, 32960), (296, 33041), (304, 33086), (318, 33134), (330, 33170), (334, 33179), (336, 33185), (415, 33410),

Gene: Eugenia_33 Start: 32376, Stop: 33536, Start Num: 41

Candidate Starts for Eugenia_33:

(Start: 41 @32376 has 291 MA's), (Start: 70 @32487 has 1 MA's), (84, 32532), (125, 32631), (149, 32691), (161, 32727), (170, 32751), (189, 32796), (192, 32802), (215, 32853), (234, 32892), (235, 32895), (239, 32907), (244, 32922), (266, 32946), (274, 32979), (296, 33060), (304, 33105), (318, 33153), (330, 33189), (334, 33198), (336, 33204), (415, 33429),

Gene: Ewald_30 Start: 26639, Stop: 27724, Start Num: 64

Candidate Starts for Ewald_30:

(38, 26504), (Start: 64 @26639 has 125 MA's), (100, 26744), (111, 26762), (145, 26849), (235, 27062), (240, 27077), (258, 27104), (264, 27119), (292, 27212), (295, 27227), (309, 27284), (323, 27344), (334, 27377),

Gene: FF47_25 Start: 21654, Stop: 22679, Start Num: 59

Candidate Starts for FF47_25:

(Start: 59 @21654 has 2 MA's), (90, 21744), (124, 21813), (128, 21822), (160, 21900), (184, 21963), (186, 21966), (264, 22110), (274, 22146), (301, 22254), (375, 22491), (421, 22617),

Gene: Fang_33 Start: 32380, Stop: 33540, Start Num: 41

Candidate Starts for Fang_33:

(Start: 41 @32380 has 291 MA's), (Start: 70 @32491 has 1 MA's), (84, 32536), (125, 32635), (149, 32695), (161, 32731), (170, 32755), (189, 32800), (192, 32806), (215, 32857), (234, 32896), (235, 32899), (239, 32911), (244, 32926), (266, 32950), (274, 32983), (296, 33064), (304, 33109), (318, 33157), (330, 33193), (334, 33202), (336, 33208), (415, 33433),

Gene: Farewell_21 Start: 21884, Stop: 22930, Start Num: 64

Candidate Starts for Farewell_21:

(Start: 64 @21884 has 125 MA's), (137, 22076), (144, 22097), (199, 22208), (222, 22250), (224, 22253), (296, 22454), (301, 22490), (335, 22598), (383, 22751), (387, 22760), (391, 22772),

Gene: Faze9_33 Start: 32820, Stop: 33983, Start Num: 41

Candidate Starts for Faze9_33:

(Start: 39 @32814 has 9 MA's), (Start: 41 @32820 has 291 MA's), (45, 32859), (53, 32889), (Start: 70 @32934 has 1 MA's), (84, 32979), (125, 33078), (149, 33138), (161, 33174), (170, 33198), (189, 33243), (192, 33249), (215, 33300), (234, 33339), (235, 33342), (239, 33354), (244, 33369), (266, 33393), (274, 33426), (296, 33507), (304, 33552), (318, 33600), (330, 33636), (334, 33645), (336, 33651), (415, 33876),

Gene: Fefferhead_27 Start: 23613, Stop: 24665, Start Num: 65

Candidate Starts for Fefferhead_27:

(51, 23577), (Start: 65 @23613 has 91 MA's), (97, 23703), (Start: 108 @23724 has 3 MA's), (120, 23751), (152, 23838), (160, 23859), (165, 23880), (263, 24069), (284, 24147), (297, 24204), (300, 24237), (307, 24252), (393, 24507), (402, 24522), (418, 24603), (427, 24642),

Gene: Feyre_27 Start: 23851, Stop: 24918, Start Num: 64

Candidate Starts for Feyre_27:

(Start: 64 @23851 has 125 MA's), (105, 23968), (148, 24073), (150, 24079), (172, 24139), (178, 24154), (190, 24181), (218, 24220), (220, 24223), (228, 24235), (229, 24238), (230, 24241), (235, 24256), (258, 24301), (260, 24307), (278, 24361), (292, 24409), (299, 24439), (310, 24484), (353, 24667),

Gene: Findley_25 Start: 21282, Stop: 22307, Start Num: 67

Candidate Starts for Findley_25:

(27, 21099), (40, 21198), (Start: 67 @21282 has 75 MA's), (94, 21363), (104, 21387), (130, 21447), (150, 21501), (152, 21507), (182, 21588), (185, 21594), (194, 21609), (196, 21612), (298, 21816), (426, 22275), (427, 22284),

Gene: Fionnbharth_29 Start: 24586, Stop: 25590, Start Num: 67

Candidate Starts for Fionnbharth_29:

(Start: 67 @24586 has 75 MA's), (88, 24655), (134, 24754), (150, 24799), (152, 24805), (171, 24859), (176, 24868), (191, 24904), (212, 24949), (224, 24970), (226, 24976), (228, 24979), (296, 25111), (297, 25114), (328, 25237), (336, 25258), (421, 25525),

Gene: FirstPlacePfu_22 Start: 21299, Stop: 22336, Start Num: 64

Candidate Starts for FirstPlacePfu_22:

(55, 21275), (Start: 62 @21296 has 8 MA's), (Start: 64 @21299 has 125 MA's), (74, 21323), (125, 21461), (140, 21503), (166, 21572), (199, 21632), (222, 21677), (239, 21722), (274, 21803), (292, 21860), (297, 21884), (323, 21989), (340, 22061), (355, 22106), (421, 22271),

Gene: Fishburne_22 Start: 21299, Stop: 22336, Start Num: 64

Candidate Starts for Fishburne_22:

(55, 21275), (Start: 62 @21296 has 8 MA's), (Start: 64 @21299 has 125 MA's), (74, 21323), (125, 21461), (140, 21503), (166, 21572), (199, 21632), (222, 21677), (239, 21722), (274, 21803), (292, 21860), (297, 21884), (323, 21989), (340, 22061), (355, 22106), (421, 22271),

Gene: Flapper_49 Start: 36682, Stop: 37743, Start Num: 62

Candidate Starts for Flapper_49:

(25, 36406), (47, 36619), (Start: 62 @36682 has 8 MA's), (99, 36790), (133, 36868), (174, 36976), (214, 37060), (225, 37081), (228, 37087), (238, 37114), (313, 37342), (335, 37408), (421, 37672), (427, 37717),

Gene: Float294_47 Start: 36416, Stop: 37477, Start Num: 64

Candidate Starts for Float294_47:

(Start: 64 @36416 has 125 MA's), (134, 36602), (213, 36788), (214, 36791), (298, 37001), (407, 37340), (421, 37406),

Gene: FluffyNinja_33 Start: 32373, Stop: 33533, Start Num: 41

Candidate Starts for FluffyNinja_33:

(Start: 41 @32373 has 291 MA's), (Start: 70 @32484 has 1 MA's), (84, 32529), (125, 32628), (149, 32688), (161, 32724), (170, 32748), (189, 32793), (192, 32799), (215, 32850), (234, 32889), (235, 32892), (239, 32904), (244, 32919), (266, 32943), (274, 32976), (296, 33057), (304, 33102), (318, 33150), (330, 33186), (334, 33195), (336, 33201), (415, 33426),

Gene: Foxboro_45 Start: 36480, Stop: 37538, Start Num: 64

Candidate Starts for Foxboro_45:

(1, 35040), (2, 35337), (4, 35568), (11, 35937), (30, 36315), (33, 36330), (36, 36348), (Start: 64 @36480 has 125 MA's), (202, 36825), (225, 36876), (243, 36924),

Gene: Fozzie_32 Start: 32389, Stop: 33549, Start Num: 41

Candidate Starts for Fozzie_32:

(Start: 41 @32389 has 291 MA's), (Start: 70 @32500 has 1 MA's), (84, 32545), (125, 32644), (149, 32704), (161, 32740), (170, 32764), (189, 32809), (192, 32815), (215, 32866), (234, 32905), (235, 32908), (239, 32920), (244, 32935), (266, 32959), (274, 32992), (296, 33073), (304, 33118), (318, 33166), (330, 33202), (334, 33211), (336, 33217), (415, 33442),

Gene: Francois_27 Start: 23338, Stop: 24405, Start Num: 67

Candidate Starts for Francois_27:

(Start: 67 @23338 has 75 MA's), (228, 23716), (286, 23857), (292, 23884), (297, 23908), (314, 23992), (354, 24139),

Gene: Frankicide_33 Start: 32385, Stop: 33545, Start Num: 41

Candidate Starts for Frankicide_33:

(Start: 41 @32385 has 291 MA's), (Start: 70 @32496 has 1 MA's), (84, 32541), (125, 32640), (149, 32700), (161, 32736), (170, 32760), (189, 32805), (192, 32811), (215, 32862), (234, 32901), (235, 32904), (239, 32916), (244, 32931), (266, 32955), (274, 32988), (296, 33069), (304, 33114), (318, 33162), (330, 33198), (334, 33207), (336, 33213), (415, 33438),

Gene: FrenchFry_33 Start: 32814, Stop: 33977, Start Num: 41

Candidate Starts for FrenchFry_33:

(24, 32667), (Start: 39 @32808 has 9 MA's), (Start: 41 @32814 has 291 MA's), (45, 32853), (53, 32883), (Start: 70 @32928 has 1 MA's), (84, 32973), (125, 33072), (149, 33132), (161, 33168), (170, 33192), (189, 33237), (192, 33243), (215, 33294), (234, 33333), (235, 33336), (239, 33348), (244, 33363), (266, 33387), (274, 33420), (296, 33501), (318, 33594), (330, 33630), (334, 33639), (336, 33645), (345, 33705), (415, 33870),

Gene: Freya_32 Start: 32064, Stop: 33224, Start Num: 41

Candidate Starts for Freya_32:

(Start: 41 @32064 has 291 MA's), (Start: 70 @32175 has 1 MA's), (84, 32220), (125, 32319), (149, 32379), (161, 32415), (170, 32439), (189, 32484), (192, 32490), (215, 32541), (234, 32580), (235, 32583), (239, 32595), (244, 32610), (266, 32634), (274, 32667), (296, 32748), (304, 32793), (318,

32841), (330, 32877), (334, 32886), (336, 32892), (415, 33117),

Gene: FriarPreacher_33 Start: 32391, Stop: 33551, Start Num: 41

Candidate Starts for FriarPreacher_33:

(Start: 41 @32391 has 291 MA's), (Start: 70 @32502 has 1 MA's), (84, 32547), (125, 32646), (149, 32706), (161, 32742), (170, 32766), (189, 32811), (192, 32817), (215, 32868), (234, 32907), (235, 32910), (239, 32922), (244, 32937), (266, 32961), (274, 32994), (296, 33075), (304, 33120), (318, 33168), (330, 33204), (334, 33213), (336, 33219), (415, 33444),

Gene: Fringe_33 Start: 32356, Stop: 33516, Start Num: 41

Candidate Starts for Fringe_33:

(Start: 41 @32356 has 291 MA's), (Start: 70 @32467 has 1 MA's), (84, 32512), (125, 32611), (149, 32671), (161, 32707), (170, 32731), (189, 32776), (192, 32782), (215, 32833), (234, 32872), (235, 32875), (239, 32887), (266, 32926), (274, 32959), (296, 33040), (304, 33085), (318, 33133), (330, 33169), (334, 33178), (336, 33184), (415, 33409),

Gene: FugateOSU_32 Start: 32069, Stop: 33229, Start Num: 41

Candidate Starts for FugateOSU_32:

(Start: 41 @32069 has 291 MA's), (Start: 70 @32180 has 1 MA's), (84, 32225), (125, 32324), (149, 32384), (161, 32420), (170, 32444), (189, 32489), (192, 32495), (215, 32546), (234, 32585), (235, 32588), (239, 32600), (244, 32615), (266, 32639), (274, 32672), (296, 32753), (304, 32798), (318, 32846), (330, 32882), (334, 32891), (336, 32897), (415, 33122),

Gene: Funsized_35 Start: 35123, Stop: 36316, Start Num: 41

Candidate Starts for Funsized_35:

(10, 34694), (29, 35066), (34, 35099), (Start: 41 @35123 has 291 MA's), (82, 35279), (98, 35327), (113, 35354), (119, 35369), (121, 35375), (142, 35432), (161, 35483), (162, 35486), (164, 35492), (170, 35507), (184, 35543), (189, 35552), (234, 35648), (242, 35672), (243, 35675), (297, 35804), (314, 35891), (333, 35945), (427, 36290), (429, 36296),

Gene: Fury_53 Start: 35397, Stop: 36479, Start Num: 64

Candidate Starts for Fury_53:

(Start: 64 @35397 has 125 MA's), (105, 35514), (193, 35742), (231, 35826), (233, 35832), (261, 35871), (266, 35886), (279, 35928), (319, 36093), (384, 36273), (421, 36411),

Gene: GMA7_23 Start: 30667, Stop: 31671, Start Num: 80

Candidate Starts for GMA7_23:

(Start: 80 @30667 has 3 MA's), (94, 30715), (100, 30733), (141, 30829), (147, 30838), (168, 30904), (205, 30985), (280, 31138), (291, 31165), (295, 31186), (317, 31288), (346, 31414), (402, 31516), (427, 31648),

Gene: GRU1_34 Start: 28214, Stop: 29290, Start Num: 62

Candidate Starts for GRU1_34:

(30, 28052), (Start: 62 @28214 has 8 MA's), (99, 28322), (122, 28373), (133, 28400), (174, 28508), (214, 28592), (225, 28613), (228, 28619), (238, 28646), (313, 28874), (407, 29153), (427, 29264),

Gene: GTE5_36 Start: 29539, Stop: 30600, Start Num: 62

Candidate Starts for GTE5_36:

(47, 29476), (Start: 62 @29539 has 8 MA's), (99, 29647), (133, 29725), (174, 29833), (214, 29917), (225, 29938), (231, 29950), (238, 29971), (239, 29974), (421, 30529), (427, 30574),

Gene: GTE7_23 Start: 30698, Stop: 31702, Start Num: 80

Candidate Starts for GTE7_23:

(Start: 80 @30698 has 3 MA's), (94, 30746), (100, 30764), (135, 30842), (141, 30860), (147, 30869), (168, 30935), (205, 31016), (280, 31169), (291, 31196), (295, 31217), (317, 31319), (346, 31445), (402, 31547), (427, 31679),

Gene: GTE8_33 Start: 29229, Stop: 30287, Start Num: 62

Candidate Starts for GTE8_33:

(30, 29067), (Start: 62 @29229 has 8 MA's), (143, 29445), (226, 29628), (421, 30216), (427, 30261),

Gene: Ganymede_29 Start: 23336, Stop: 24349, Start Num: 65

Candidate Starts for Ganymede_29:

(13, 22892), (49, 23291), (Start: 65 @23336 has 91 MA's), (Start: 108 @23447 has 3 MA's), (152, 23561), (201, 23678), (221, 23720), (228, 23732), (271, 23771), (274, 23786), (296, 23864), (314, 23948), (318, 23960), (323, 23972), (336, 24011), (372, 24125), (402, 24194),

Gene: Gareth_32 Start: 32072, Stop: 33232, Start Num: 41

Candidate Starts for Gareth_32:

(Start: 41 @32072 has 291 MA's), (Start: 70 @32183 has 1 MA's), (84, 32228), (125, 32327), (149, 32387), (161, 32423), (170, 32447), (189, 32492), (192, 32498), (215, 32549), (234, 32588), (235, 32591), (239, 32603), (244, 32618), (266, 32642), (274, 32675), (296, 32756), (304, 32801), (318, 32849), (330, 32885), (334, 32894), (336, 32900), (415, 33125),

Gene: GeneCoco_33 Start: 32381, Stop: 33541, Start Num: 41

Candidate Starts for GeneCoco_33:

(Start: 41 @32381 has 291 MA's), (Start: 70 @32492 has 1 MA's), (84, 32537), (125, 32636), (149, 32696), (161, 32732), (170, 32756), (189, 32801), (192, 32807), (215, 32858), (234, 32897), (235, 32900), (239, 32912), (244, 32927), (266, 32951), (274, 32984), (296, 33065), (304, 33110), (318, 33158), (330, 33194), (334, 33203), (336, 33209), (415, 33434),

Gene: Gengar_27 Start: 23958, Stop: 25028, Start Num: 64

Candidate Starts for Gengar_27:

(Start: 64 @23958 has 125 MA's), (129, 24132), (150, 24186), (170, 24243), (172, 24246), (178, 24261), (190, 24288), (218, 24327), (220, 24330), (228, 24342), (229, 24345), (230, 24348), (260, 24417), (278, 24471), (299, 24549), (310, 24594), (353, 24777),

Gene: Geraldini_28 Start: 23332, Stop: 24345, Start Num: 65

Candidate Starts for Geraldini_28:

(13, 22888), (49, 23287), (Start: 65 @23332 has 91 MA's), (Start: 108 @23443 has 3 MA's), (150, 23551), (152, 23557), (201, 23674), (221, 23716), (228, 23728), (274, 23782), (296, 23860), (314, 23944), (318, 23956), (323, 23968), (336, 24007), (372, 24121), (402, 24190),

Gene: Giraffe_33 Start: 32075, Stop: 33235, Start Num: 41

Candidate Starts for Giraffe_33:

(Start: 41 @32075 has 291 MA's), (Start: 70 @32186 has 1 MA's), (84, 32231), (125, 32330), (149, 32390), (161, 32426), (170, 32450), (189, 32495), (192, 32501), (215, 32552), (234, 32591), (235, 32594), (239, 32606), (244, 32621), (266, 32645), (274, 32678), (296, 32759), (304, 32804), (318, 32852), (330, 32888), (334, 32897), (336, 32903), (415, 33128),

Gene: Glaske_22 Start: 21561, Stop: 22601, Start Num: 61

Candidate Starts for Glaske_22:

(Start: 61 @21561 has 8 MA's), (123, 21720), (125, 21726), (140, 21768), (165, 21834), (166, 21837), (199, 21897), (222, 21942), (239, 21987), (274, 22068), (292, 22125), (297, 22149), (323, 22254), (340, 22326), (355, 22371),

Gene: Glaske16_32 Start: 26991, Stop: 28046, Start Num: 64

Candidate Starts for Glaske16_32:

(Start: 64 @26991 has 125 MA's), (144, 27204), (160, 27240), (184, 27303), (229, 27375), (239, 27405), (246, 27426), (267, 27462), (278, 27498), (292, 27546), (296, 27567), (298, 27573), (301, 27603), (302, 27606), (315, 27654), (383, 27864), (409, 27918),

Gene: Glass_33 Start: 32814, Stop: 33977, Start Num: 41

Candidate Starts for Glass_33:

(Start: 39 @32808 has 9 MA's), (Start: 41 @32814 has 291 MA's), (45, 32853), (53, 32883), (Start: 70 @32928 has 1 MA's), (84, 32973), (125, 33072), (149, 33132), (161, 33168), (170, 33192), (189, 33237), (192, 33243), (215, 33294), (234, 33333), (235, 33336), (239, 33348), (244, 33363), (266, 33387), (274, 33420), (296, 33501), (304, 33546), (318, 33594), (330, 33630), (334, 33639), (336, 33645), (415, 33870),

Gene: GodPhather_26 Start: 30204, Stop: 31373, Start Num: 39

Candidate Starts for GodPhather_26:

(Start: 39 @30204 has 9 MA's), (Start: 41 @30210 has 291 MA's), (45, 30249), (53, 30279), (Start: 70 @30324 has 1 MA's), (84, 30369), (125, 30468), (149, 30528), (161, 30564), (170, 30588), (189, 30633), (192, 30639), (215, 30690), (234, 30729), (235, 30732), (239, 30744), (244, 30759), (266, 30783), (274, 30816), (296, 30897), (304, 30942), (318, 30990), (330, 31026), (334, 31035), (336, 31041), (415, 31266),

Gene: Gophee_33 Start: 32358, Stop: 33518, Start Num: 41

Candidate Starts for Gophee_33:

(Start: 41 @32358 has 291 MA's), (Start: 70 @32469 has 1 MA's), (84, 32514), (125, 32613), (149, 32673), (161, 32709), (170, 32733), (189, 32778), (192, 32784), (215, 32835), (234, 32874), (235, 32877), (239, 32889), (266, 32928), (274, 32961), (296, 33042), (304, 33087), (318, 33135), (330, 33171), (334, 33180), (336, 33186), (415, 33411),

Gene: Grand2040_32 Start: 32090, Stop: 33250, Start Num: 41

Candidate Starts for Grand2040_32:

(Start: 41 @32090 has 291 MA's), (Start: 70 @32201 has 1 MA's), (84, 32246), (125, 32345), (149, 32405), (161, 32441), (170, 32465), (189, 32510), (192, 32516), (215, 32567), (234, 32606), (235, 32609), (239, 32621), (244, 32636), (266, 32660), (274, 32693), (296, 32774), (304, 32819), (318, 32867), (330, 32903), (334, 32912), (336, 32918), (415, 33143),

Gene: GrandSlam_27 Start: 23849, Stop: 24916, Start Num: 67

Candidate Starts for GrandSlam_27:

(Start: 67 @23849 has 75 MA's), (228, 24227), (286, 24368), (289, 24383), (292, 24395), (297, 24419), (314, 24503), (316, 24509), (327, 24542), (331, 24554), (354, 24650), (356, 24653), (368, 24674),

Gene: GrootJr_46 Start: 35356, Stop: 36414, Start Num: 64

Candidate Starts for GrootJr_46:

(1, 33916), (2, 34213), (4, 34444), (11, 34813), (30, 35191), (33, 35206), (36, 35224), (Start: 64 @35356 has 125 MA's), (202, 35701), (225, 35752), (243, 35800),

Gene: Gspu1_26 Start: 21693, Stop: 22775, Start Num: 64

Candidate Starts for Gspu1_26:

(Start: 64 @21693 has 125 MA's), (125, 21855), (142, 21903), (148, 21915), (183, 22017), (210, 22077), (226, 22110), (233, 22125), (261, 22164), (287, 22248), (294, 22278), (297, 22290), (336, 22437), (379, 22563), (402, 22620), (426, 22743),

Gene: Guanica15_28 Start: 22542, Stop: 23603, Start Num: 65

Candidate Starts for Guanica15_28:

(Start: 65 @22542 has 91 MA's), (Start: 108 @22656 has 3 MA's), (152, 22770), (160, 22791), (197, 22878), (206, 22899), (209, 22905), (282, 23013), (296, 23073), (320, 23193), (321, 23199), (322, 23205), (340, 23295), (388, 23421), (393, 23436),

Gene: Guillsminger_27 Start: 23933, Stop: 25000, Start Num: 64

Candidate Starts for Guillsminger_27:

(Start: 64 @23933 has 125 MA's), (105, 24050), (129, 24107), (148, 24155), (150, 24161), (170, 24218), (172, 24221), (178, 24236), (190, 24263), (218, 24302), (220, 24305), (228, 24317), (229, 24320), (230, 24323), (235, 24338), (258, 24383), (260, 24389), (278, 24443), (292, 24491), (299, 24521), (310, 24566), (340, 24695), (353, 24749),

Gene: Gwilliam_33 Start: 32370, Stop: 33530, Start Num: 41

Candidate Starts for Gwilliam_33:

(Start: 41 @32370 has 291 MA's), (Start: 70 @32481 has 1 MA's), (84, 32526), (125, 32625), (149, 32685), (161, 32721), (170, 32745), (189, 32790), (192, 32796), (215, 32847), (234, 32886), (235, 32889), (239, 32901), (244, 32916), (266, 32940), (274, 32973), (296, 33054), (304, 33099), (318, 33147), (330, 33183), (334, 33192), (336, 33198), (415, 33423),

Gene: Gyarad_0033 Start: 32372, Stop: 33532, Start Num: 41

Candidate Starts for Gyarad_0033:

(Start: 41 @32372 has 291 MA's), (Start: 70 @32483 has 1 MA's), (84, 32528), (125, 32627), (149, 32687), (161, 32723), (170, 32747), (189, 32792), (192, 32798), (215, 32849), (234, 32888), (235, 32891), (239, 32903), (244, 32918), (266, 32942), (274, 32975), (296, 33056), (304, 33101), (318, 33149), (330, 33185), (334, 33194), (336, 33200), (415, 33425),

Gene: HC_22 Start: 21369, Stop: 22406, Start Num: 64

Candidate Starts for HC_22:

(55, 21345), (Start: 62 @21366 has 8 MA's), (Start: 64 @21369 has 125 MA's), (74, 21393), (125, 21531), (140, 21573), (166, 21642), (199, 21702), (222, 21747), (239, 21792), (274, 21873), (292, 21930), (297, 21954), (323, 22059), (340, 22131), (355, 22176), (421, 22341),

Gene: HSavage_33 Start: 32376, Stop: 33536, Start Num: 41

Candidate Starts for HSavage_33:

(Start: 41 @32376 has 291 MA's), (Start: 70 @32487 has 1 MA's), (84, 32532), (125, 32631), (149, 32691), (161, 32727), (170, 32751), (189, 32796), (192, 32802), (215, 32853), (234, 32892), (235, 32895), (239, 32907), (244, 32922), (266, 32946), (274, 32979), (296, 33060), (304, 33105), (318, 33153), (330, 33189), (334, 33198), (336, 33204), (415, 33429),

Gene: HUHilltop_22 Start: 21299, Stop: 22336, Start Num: 64

Candidate Starts for HUHilltop_22:

(55, 21275), (Start: 62 @21296 has 8 MA's), (Start: 64 @21299 has 125 MA's), (74, 21323), (125, 21461), (140, 21503), (166, 21572), (199, 21632), (222, 21677), (239, 21722), (274, 21803), (292, 21860), (297, 21884), (323, 21989), (340, 22061), (355, 22106), (421, 22271),

Gene: Haimas_33 Start: 32367, Stop: 33527, Start Num: 41

Candidate Starts for Haimas_33:

(Start: 41 @32367 has 291 MA's), (Start: 70 @32478 has 1 MA's), (84, 32523), (125, 32622), (149, 32682), (161, 32718), (170, 32742), (189, 32787), (192, 32793), (215, 32844), (234, 32883), (235, 32886), (239, 32898), (244, 32913), (266, 32937), (274, 32970), (296, 33051), (304, 33096), (318, 33144), (330, 33180), (334, 33189), (336, 33195), (415, 33420),

Gene: Haleema_32 Start: 32090, Stop: 33250, Start Num: 41

Candidate Starts for Haleema_32:

(Start: 41 @32090 has 291 MA's), (Start: 70 @32201 has 1 MA's), (84, 32246), (125, 32345), (149, 32405), (161, 32441), (170, 32465), (189, 32510), (192, 32516), (215, 32567), (234, 32606), (235, 32609), (239, 32621), (244, 32636), (266, 32660), (274, 32693), (296, 32774), (304, 32819), (318, 32867), (330, 32903), (334, 32912), (336, 32918), (415, 33143),

Gene: Hamish_33 Start: 32359, Stop: 33519, Start Num: 41

Candidate Starts for Hamish_33:

(Start: 41 @32359 has 291 MA's), (Start: 70 @32470 has 1 MA's), (84, 32515), (125, 32614), (149, 32674), (161, 32710), (170, 32734), (189, 32779), (192, 32785), (215, 32836), (234, 32875), (235, 32878), (239, 32890), (244, 32905), (266, 32929), (274, 32962), (296, 33043), (304, 33088), (318, 33136), (330, 33172), (334, 33181), (336, 33187), (415, 33412),

Gene: Hammy_27 Start: 23691, Stop: 24695, Start Num: 65

Candidate Starts for Hammy_27:

(Start: 65 @23691 has 91 MA's), (175, 23976), (201, 24033), (284, 24165), (291, 24192), (316, 24306), (359, 24459), (402, 24552), (404, 24555), (417, 24618), (421, 24630),

Gene: Hamood_27 Start: 23849, Stop: 24916, Start Num: 67

Candidate Starts for Hamood_27:

(Start: 67 @23849 has 75 MA's), (228, 24227), (286, 24368), (289, 24383), (292, 24395), (297, 24419), (314, 24503), (316, 24509), (327, 24542), (331, 24554), (354, 24650), (356, 24653), (368, 24674),

Gene: Hartsy_33 Start: 32410, Stop: 33570, Start Num: 41

Candidate Starts for Hartsy_33:

(Start: 41 @32410 has 291 MA's), (Start: 70 @32521 has 1 MA's), (84, 32566), (125, 32665), (149, 32725), (161, 32761), (170, 32785), (189, 32830), (192, 32836), (215, 32887), (234, 32926), (235, 32929), (239, 32941), (266, 32980), (274, 33013), (296, 33094), (318, 33187), (330, 33223), (334, 33232), (336, 33238), (415, 33463),

Gene: Harvey_33 Start: 32385, Stop: 33545, Start Num: 41

Candidate Starts for Harvey_33:

(Start: 41 @32385 has 291 MA's), (Start: 70 @32496 has 1 MA's), (84, 32541), (125, 32640), (149, 32700), (161, 32736), (170, 32760), (189, 32805), (192, 32811), (215, 32862), (234, 32901), (235, 32904), (239, 32916), (266, 32955), (274, 32988), (296, 33069), (304, 33114), (318, 33162), (330, 33198), (334, 33207), (336, 33213), (415, 33438),

Gene: HayZem_32 Start: 36450, Stop: 37454, Start Num: 80

Candidate Starts for HayZem_32:

(Start: 80 @36450 has 3 MA's), (94, 36498), (100, 36516), (141, 36612), (147, 36621), (168, 36687), (205, 36768), (280, 36921), (291, 36948), (295, 36969), (317, 37071), (346, 37197), (402, 37299), (427, 37431),

Gene: Hedgerow_33 Start: 32796, Stop: 33959, Start Num: 41

Candidate Starts for Hedgerow_33:

(24, 32649), (Start: 39 @32790 has 9 MA's), (Start: 41 @32796 has 291 MA's), (45, 32835), (53, 32865), (Start: 70 @32910 has 1 MA's), (84, 32955), (125, 33054), (149, 33114), (161, 33150), (170, 33174), (189, 33219), (192, 33225), (215, 33276), (234, 33315), (235, 33318), (239, 33330), (244, 33345), (266, 33369), (274, 33402), (296, 33483), (318, 33576), (330, 33612), (334, 33621), (336, 33627), (345, 33687), (415, 33852),

Gene: HedwigODU_28 Start: 23325, Stop: 24338, Start Num: 65

Candidate Starts for HedwigODU_28:

(13, 22881), (23, 23028), (49, 23280), (Start: 65 @23325 has 91 MA's), (Start: 108 @23436 has 3 MA's), (152, 23550), (201, 23667), (221, 23709), (228, 23721), (274, 23775), (296, 23853), (318, 23949), (323, 23961), (333, 23991), (336, 24000), (372, 24114), (402, 24183),

Gene: Heftyboy_27 Start: 24081, Stop: 25148, Start Num: 64

Candidate Starts for Heftyboy_27:

(Start: 64 @24081 has 125 MA's), (105, 24198), (129, 24255), (148, 24303), (150, 24309), (170, 24366), (172, 24369), (178, 24384), (190, 24411), (218, 24450), (220, 24453), (228, 24465), (229, 24468), (230, 24471), (235, 24486), (258, 24531), (260, 24537), (278, 24591), (292, 24639), (299, 24669), (310, 24714), (340, 24843), (353, 24897),

Gene: Held_33 Start: 32074, Stop: 33234, Start Num: 41

Candidate Starts for Held_33:

(Start: 41 @32074 has 291 MA's), (Start: 70 @32185 has 1 MA's), (84, 32230), (125, 32329), (149, 32389), (161, 32425), (170, 32449), (189, 32494), (192, 32500), (215, 32551), (234, 32590), (235, 32593), (239, 32605), (244, 32620), (266, 32644), (274, 32677), (296, 32758), (304, 32803), (318, 32851), (330, 32887), (334, 32896), (336, 32902), (415, 33127),

Gene: HenryJackson_32 Start: 32090, Stop: 33250, Start Num: 41

Candidate Starts for HenryJackson_32:

(Start: 41 @32090 has 291 MA's), (Start: 70 @32201 has 1 MA's), (84, 32246), (125, 32345), (149, 32405), (161, 32441), (170, 32465), (189, 32510), (192, 32516), (215, 32567), (234, 32606), (235, 32609), (239, 32621), (244, 32636), (266, 32660), (274, 32693), (296, 32774), (304, 32819), (318, 32867), (330, 32903), (334, 32912), (336, 32918), (415, 33143),

Gene: Hertubise_33 Start: 32381, Stop: 33541, Start Num: 41

Candidate Starts for Hertubise_33:

(Start: 41 @32381 has 291 MA's), (Start: 70 @32492 has 1 MA's), (84, 32537), (125, 32636), (149, 32696), (161, 32732), (170, 32756), (189, 32801), (192, 32807), (215, 32858), (234, 32897), (235, 32900), (239, 32912), (244, 32927), (266, 32951), (274, 32984), (296, 33065), (304, 33110), (318, 33158), (330, 33194), (334, 33203), (336, 33209), (415, 33434),

Gene: Hetaeria_33 Start: 32383, Stop: 33543, Start Num: 41

Candidate Starts for Hetaeria_33:

(Start: 41 @32383 has 291 MA's), (Start: 70 @32494 has 1 MA's), (84, 32539), (125, 32638), (149, 32698), (161, 32734), (170, 32758), (189, 32803), (192, 32809), (215, 32860), (234, 32899), (235, 32902), (239, 32914), (266, 32953), (274, 32986), (296, 33067), (304, 33112), (318, 33160), (330, 33196), (334, 33205), (336, 33211), (415, 33436),

Gene: HighStump_32 Start: 32073, Stop: 33233, Start Num: 41

Candidate Starts for HighStump_32:

(Start: 41 @32073 has 291 MA's), (Start: 70 @32184 has 1 MA's), (84, 32229), (125, 32328), (149, 32388), (161, 32424), (170, 32448), (189, 32493), (192, 32499), (215, 32550), (234, 32589), (235, 32592), (239, 32604), (244, 32619), (266, 32643), (274, 32676), (296, 32757), (304, 32802), (318, 32850), (330, 32886), (334, 32895), (336, 32901), (415, 33126),

Gene: Hilltopfarm_28 Start: 26055, Stop: 27092, Start Num: 64

Candidate Starts for Hilltopfarm_28:

(Start: 64 @26055 has 125 MA's), (109, 26178), (132, 26232), (144, 26268), (169, 26331), (199, 26379), (228, 26433), (229, 26436), (296, 26622), (301, 26658), (312, 26700), (318, 26718), (336, 26769),

Gene: Hocus_32 Start: 32082, Stop: 33242, Start Num: 41

Candidate Starts for Hocus_32:

(Start: 41 @32082 has 291 MA's), (Start: 70 @32193 has 1 MA's), (84, 32238), (125, 32337), (149, 32397), (161, 32433), (170, 32457), (189, 32502), (192, 32508), (215, 32559), (234, 32598), (235, 32601), (239, 32613), (266, 32652), (274, 32685), (296, 32766), (304, 32811), (318, 32859), (330, 32895), (334, 32904), (336, 32910), (415, 33135),

Gene: Holeinone_33 Start: 32676, Stop: 33839, Start Num: 41

Candidate Starts for Holeinone_33:

(24, 32529), (Start: 39 @32670 has 9 MA's), (Start: 41 @32676 has 291 MA's), (45, 32715), (53, 32745), (Start: 70 @32790 has 1 MA's), (84, 32835), (125, 32934), (149, 32994), (161, 33030), (170, 33054), (189, 33099), (192, 33105), (215, 33156), (234, 33195), (235, 33198), (239, 33210), (244, 33225), (266, 33249), (274, 33282), (296, 33363), (318, 33456), (330, 33492), (334, 33501), (336, 33507), (415, 33732),

Gene: Homura_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Homura_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (Start: 108 @23467 has 3 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (323, 23992), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Horchata_33 Start: 32361, Stop: 33521, Start Num: 41

Candidate Starts for Horchata_33:

(Start: 41 @32361 has 291 MA's), (Start: 70 @32472 has 1 MA's), (84, 32517), (125, 32616), (149, 32676), (161, 32712), (170, 32736), (189, 32781), (192, 32787), (215, 32838), (234, 32877), (235, 32880), (239, 32892), (244, 32907), (266, 32931), (274, 32964), (296, 33045), (304, 33090), (318, 33138), (330, 33174), (334, 33183), (336, 33189), (415, 33414),

Gene: Hosp_025 Start: 28263, Stop: 29486, Start Num: 41

Candidate Starts for Hosp_025:

(Start: 41 @28263 has 291 MA's), (45, 28302), (60, 28353), (Start: 70 @28374 has 1 MA's), (76, 28389), (84, 28419), (110, 28479), (119, 28500), (120, 28503), (140, 28560), (161, 28614), (162, 28617), (164, 28623), (213, 28737), (242, 28806), (259, 28911), (296, 29043), (298, 29049), (331, 29172), (345, 29232), (371, 29286), (374, 29292), (396, 29340),

Gene: HubbaBubba_43 Start: 31720, Stop: 32760, Start Num: 62

Candidate Starts for HubbaBubba_43:

(Start: 62 @31720 has 8 MA's), (112, 31852), (178, 32035), (274, 32242), (278, 32251), (296, 32320), (297, 32323), (314, 32407), (365, 32560), (399, 32644), (402, 32653), (404, 32656), (419, 32752),

Gene: Hurricane_28 Start: 23950, Stop: 24975, Start Num: 67

Candidate Starts for Hurricane_28:

(9, 23398), (12, 23464), (14, 23527), (16, 23560), (19, 23602), (27, 23761), (40, 23860), (50, 23917), (Start: 67 @23950 has 75 MA's), (116, 24073), (120, 24082), (130, 24109), (148, 24157), (152, 24169), (160, 24190), (179, 24241), (194, 24271), (286, 24424), (291, 24445), (305, 24517), (314, 24553), (319, 24568), (334, 24610), (336, 24616), (356, 24706), (396, 24805), (397, 24808), (420, 24907), (429, 24958),

Gene: Hyperbowlee_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Hyperbowlee_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (Start: 108 @23467 has 3 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (323,

23992), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: IPhane7_31 Start: 26992, Stop: 28047, Start Num: 64

Candidate Starts for IPhane7_31:

(Start: 64 @26992 has 125 MA's), (144, 27205), (160, 27241), (184, 27304), (229, 27376), (239, 27406), (246, 27427), (267, 27463), (278, 27499), (292, 27547), (296, 27568), (298, 27574), (301, 27604), (302, 27607), (315, 27655), (375, 27844), (383, 27865), (409, 27919),

Gene: IdentityCrisis_21 Start: 19031, Stop: 20086, Start Num: 64

Candidate Starts for IdentityCrisis_21:

(Start: 64 @19031 has 125 MA's), (105, 19148), (172, 19322), (235, 19439), (237, 19445), (297, 19610), (318, 19703), (335, 19751), (340, 19787), (372, 19880),

Gene: Illumine_28 Start: 23339, Stop: 24352, Start Num: 65

Candidate Starts for Illumine_28:

(Start: 65 @23339 has 91 MA's), (Start: 108 @23450 has 3 MA's), (113, 23459), (152, 23564), (191, 23660), (201, 23681), (221, 23723), (228, 23735), (274, 23789), (296, 23867), (318, 23963), (323, 23975), (336, 24014), (372, 24128), (402, 24197), (423, 24293),

Gene: ImtiyazSitla_32 Start: 31924, Stop: 33084, Start Num: 41

Candidate Starts for ImtiyazSitla_32:

(Start: 41 @31924 has 291 MA's), (Start: 70 @32035 has 1 MA's), (84, 32080), (125, 32179), (149, 32239), (161, 32275), (170, 32299), (189, 32344), (192, 32350), (215, 32401), (234, 32440), (235, 32443), (239, 32455), (244, 32470), (266, 32494), (274, 32527), (296, 32608), (304, 32653), (318, 32701), (330, 32737), (334, 32746), (336, 32752), (415, 32977),

Gene: Inchworm_33 Start: 32359, Stop: 33519, Start Num: 41

Candidate Starts for Inchworm_33:

(Start: 41 @32359 has 291 MA's), (Start: 70 @32470 has 1 MA's), (84, 32515), (125, 32614), (149, 32674), (161, 32710), (170, 32734), (189, 32779), (192, 32785), (215, 32836), (234, 32875), (235, 32878), (239, 32890), (244, 32905), (266, 32929), (274, 32962), (296, 33043), (304, 33088), (318, 33136), (330, 33172), (334, 33181), (336, 33187), (415, 33412),

Gene: Inky_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Inky_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Inverness_33 Start: 32373, Stop: 33533, Start Num: 41

Candidate Starts for Inverness_33:

(Start: 41 @32373 has 291 MA's), (Start: 70 @32484 has 1 MA's), (84, 32529), (125, 32628), (149, 32688), (161, 32724), (170, 32748), (189, 32793), (192, 32799), (215, 32850), (234, 32889), (235, 32892), (239, 32904), (244, 32919), (266, 32943), (274, 32976), (296, 33057), (304, 33102), (318, 33150), (330, 33186), (334, 33195), (336, 33201), (415, 33426),

Gene: InvictusManeo_27 Start: 24083, Stop: 25147, Start Num: 64

Candidate Starts for InvictusManeo_27:

(Start: 64 @24083 has 125 MA's), (93, 24173), (105, 24200), (132, 24263), (150, 24311), (164, 24350), (170, 24368), (190, 24413), (218, 24452), (239, 24500), (245, 24518), (278, 24593), (297, 24659), (316, 24749), (317, 24752), (318, 24755), (329, 24788), (351, 24887), (352, 24890), (390, 24974), (395, 24986), (424, 25103),

Gene: Iridoclysis_33 Start: 32353, Stop: 33513, Start Num: 41

Candidate Starts for Iridoclysis_33:

(Start: 41 @32353 has 291 MA's), (Start: 70 @32464 has 1 MA's), (84, 32509), (125, 32608), (149, 32668), (161, 32704), (170, 32728), (189, 32773), (192, 32779), (215, 32830), (234, 32869), (235, 32872), (239, 32884), (266, 32923), (274, 32956), (296, 33037), (304, 33082), (318, 33130), (330, 33166), (334, 33175), (336, 33181), (415, 33406),

Gene: IsaacEli_33 Start: 32377, Stop: 33537, Start Num: 41

Candidate Starts for IsaacEli_33:

(Start: 41 @32377 has 291 MA's), (Start: 70 @32488 has 1 MA's), (84, 32533), (125, 32632), (149, 32692), (161, 32728), (170, 32752), (189, 32797), (192, 32803), (215, 32854), (234, 32893), (235, 32896), (239, 32908), (244, 32923), (266, 32947), (274, 32980), (296, 33061), (304, 33106), (318, 33154), (330, 33190), (334, 33199), (336, 33205), (415, 33430),

Gene: ItsyBitsy1_33 Start: 32678, Stop: 33841, Start Num: 41

Candidate Starts for ItsyBitsy1_33:

(24, 32531), (Start: 39 @32672 has 9 MA's), (Start: 41 @32678 has 291 MA's), (45, 32717), (53, 32747), (Start: 70 @32792 has 1 MA's), (84, 32837), (125, 32936), (149, 32996), (161, 33032), (170, 33056), (189, 33101), (192, 33107), (215, 33158), (234, 33197), (235, 33200), (239, 33212), (244, 33227), (266, 33251), (274, 33284), (296, 33365), (318, 33458), (330, 33494), (334, 33503), (336, 33509), (415, 33734),

Gene: JAWS_28 Start: 23310, Stop: 24323, Start Num: 65

Candidate Starts for JAWS_28:

(13, 22866), (49, 23265), (Start: 65 @23310 has 91 MA's), (Start: 108 @23421 has 3 MA's), (152, 23535), (201, 23652), (221, 23694), (228, 23706), (274, 23760), (296, 23838), (318, 23934), (333, 23976), (336, 23985), (372, 24099), (402, 24168),

Gene: JDog_32 Start: 32090, Stop: 33250, Start Num: 41

Candidate Starts for JDog_32:

(Start: 41 @32090 has 291 MA's), (Start: 70 @32201 has 1 MA's), (84, 32246), (125, 32345), (149, 32405), (161, 32441), (170, 32465), (189, 32510), (192, 32516), (215, 32567), (234, 32606), (235, 32609), (239, 32621), (244, 32636), (266, 32660), (274, 32693), (296, 32774), (304, 32819), (318, 32867), (330, 32903), (334, 32912), (336, 32918), (415, 33143),

Gene: JF1_29 Start: 24585, Stop: 25589, Start Num: 67

Candidate Starts for JF1_29:

(Start: 67 @24585 has 75 MA's), (88, 24654), (134, 24753), (150, 24798), (152, 24804), (171, 24858), (176, 24867), (191, 24903), (212, 24948), (224, 24969), (226, 24975), (228, 24978), (296, 25110), (297, 25113), (328, 25236), (336, 25257), (421, 25524),

Gene: JacAttac_33 Start: 32359, Stop: 33519, Start Num: 41

Candidate Starts for JacAttac_33:

(Start: 41 @32359 has 291 MA's), (Start: 70 @32470 has 1 MA's), (84, 32515), (125, 32614), (149, 32674), (161, 32710), (170, 32734), (189, 32779), (192, 32785), (215, 32836), (234, 32875), (235, 32878), (239, 32890), (244, 32905), (266, 32929), (274, 32962), (296, 33043), (304, 33088), (318, 33136), (330, 33172), (334, 33181), (336, 33187), (415, 33412),

Gene: JakeO_32 Start: 32092, Stop: 33252, Start Num: 41

Candidate Starts for JakeO_32:

(Start: 41 @32092 has 291 MA's), (Start: 70 @32203 has 1 MA's), (84, 32248), (125, 32347), (149, 32407), (161, 32443), (170, 32467), (189, 32512), (192, 32518), (215, 32569), (234, 32608), (235, 32611), (239, 32623), (244, 32638), (266, 32662), (274, 32695), (296, 32776), (318, 32869), (330,

32905), (334, 32914), (336, 32920), (415, 33145),

Gene: JangoPhett_33 Start: 32361, Stop: 33521, Start Num: 41

Candidate Starts for JangoPhett_33:

(Start: 41 @32361 has 291 MA's), (Start: 70 @32472 has 1 MA's), (84, 32517), (125, 32616), (149, 32676), (161, 32712), (170, 32736), (189, 32781), (192, 32787), (215, 32838), (234, 32877), (235, 32880), (239, 32892), (266, 32931), (274, 32964), (296, 33045), (304, 33090), (318, 33138), (330, 33174), (334, 33183), (336, 33189), (415, 33414),

Gene: Jarvi_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Jarvi_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Jayhawk_28 Start: 23323, Stop: 24336, Start Num: 65

Candidate Starts for Jayhawk_28:

(13, 22879), (23, 23026), (49, 23278), (Start: 65 @23323 has 91 MA's), (Start: 108 @23434 has 3 MA's), (152, 23548), (201, 23665), (221, 23707), (228, 23719), (274, 23773), (296, 23851), (318, 23947), (323, 23959), (333, 23989), (336, 23998), (372, 24112), (402, 24181),

Gene: Jebeks_22 Start: 21284, Stop: 22321, Start Num: 64

Candidate Starts for Jebeks_22:

(55, 21260), (Start: 62 @21281 has 8 MA's), (Start: 64 @21284 has 125 MA's), (74, 21308), (125, 21446), (140, 21488), (166, 21557), (199, 21617), (222, 21662), (239, 21707), (274, 21788), (292, 21845), (297, 21869), (323, 21974), (340, 22046), (355, 22091), (421, 22256),

Gene: Jeckyll_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Jeckyll_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Jeon_25 Start: 29946, Stop: 31115, Start Num: 39

Candidate Starts for Jeon_25:

(Start: 39 @29946 has 9 MA's), (Start: 41 @29952 has 291 MA's), (45, 29991), (53, 30021), (Start: 70 @30066 has 1 MA's), (84, 30111), (125, 30210), (149, 30270), (161, 30306), (170, 30330), (189, 30375), (192, 30381), (215, 30432), (234, 30471), (235, 30474), (239, 30486), (244, 30501), (266, 30525), (274, 30558), (296, 30639), (304, 30684), (318, 30732), (330, 30768), (334, 30777), (336, 30783), (415, 31008),

Gene: Jifall16_43 Start: 35628, Stop: 36686, Start Num: 64

Candidate Starts for Jifall16_43:

(1, 34188), (2, 34485), (4, 34716), (11, 35085), (30, 35463), (33, 35478), (36, 35496), (Start: 64 @35628 has 125 MA's), (202, 35973), (225, 36024), (243, 36072),

Gene: Jillium_32 Start: 32083, Stop: 33243, Start Num: 41

Candidate Starts for Jillium_32:

(Start: 41 @32083 has 291 MA's), (Start: 70 @32194 has 1 MA's), (84, 32239), (125, 32338), (149, 32398), (161, 32434), (170, 32458), (189, 32503), (192, 32509), (215, 32560), (234, 32599), (235, 32602), (239, 32614), (244, 32629), (266, 32653), (274, 32686), (296, 32767), (304, 32812), (318, 32860), (330, 32896), (334, 32905), (336, 32911), (415, 33136),

Gene: Jiminy_32 Start: 31927, Stop: 33087, Start Num: 41

Candidate Starts for Jiminy_32:

(Start: 41 @31927 has 291 MA's), (Start: 70 @32038 has 1 MA's), (84, 32083), (125, 32182), (149, 32242), (161, 32278), (170, 32302), (189, 32347), (192, 32353), (215, 32404), (234, 32443), (235, 32446), (239, 32458), (266, 32497), (274, 32530), (296, 32611), (318, 32704), (330, 32740), (334, 32749), (336, 32755), (415, 32980),

Gene: Jiraiya_33 Start: 32080, Stop: 33240, Start Num: 41

Candidate Starts for Jiraiya_33:

(Start: 41 @32080 has 291 MA's), (Start: 70 @32191 has 1 MA's), (84, 32236), (125, 32335), (149, 32395), (161, 32431), (170, 32455), (189, 32500), (192, 32506), (215, 32557), (234, 32596), (235, 32599), (239, 32611), (244, 32626), (266, 32650), (274, 32683), (296, 32764), (318, 32857), (330, 32893), (334, 32902), (336, 32908), (415, 33133),

Gene: Jolie1_027 Start: 30065, Stop: 31273, Start Num: 41

Candidate Starts for Jolie1_027:

(Start: 41 @30065 has 291 MA's), (45, 30104), (55, 30146), (58, 30155), (60, 30158), (Start: 70 @30179 has 1 MA's), (84, 30224), (98, 30263), (110, 30284), (119, 30305), (120, 30308), (140, 30365), (161, 30419), (162, 30422), (164, 30428), (178, 30464), (207, 30530), (213, 30542), (214, 30545), (216, 30551), (236, 30593), (255, 30674), (259, 30698), (297, 30833), (303, 30869), (331, 30959), (345, 31019), (371, 31073), (396, 31127),

Gene: Jolie2_23 Start: 22241, Stop: 23368, Start Num: 41

Candidate Starts for Jolie2_23:

(23, 22061), (29, 22184), (Start: 41 @22241 has 291 MA's), (161, 22592), (178, 22634), (211, 22709), (242, 22781), (270, 22820), (296, 22919), (297, 22922), (298, 22925), (333, 23051), (380, 23189),

Gene: Joy99_28 Start: 23285, Stop: 24298, Start Num: 65

Candidate Starts for Joy99_28:

(13, 22841), (49, 23240), (Start: 65 @23285 has 91 MA's), (152, 23510), (201, 23627), (221, 23669), (228, 23681), (274, 23735), (296, 23813), (318, 23909), (333, 23951), (336, 23960), (372, 24074), (402, 24143),

Gene: Juliette_30 Start: 24531, Stop: 25565, Start Num: 63

Candidate Starts for Juliette_30:

(46, 24465), (Start: 63 @24531 has 6 MA's), (123, 24687), (124, 24690), (140, 24735), (144, 24744), (172, 24819), (222, 24906), (239, 24951), (274, 25032), (292, 25089), (297, 25113), (323, 25218), (340, 25290), (362, 25350), (421, 25500),

Gene: Jumbo_25 Start: 36377, Stop: 37471, Start Num: 68

Candidate Starts for Jumbo_25:

(Start: 68 @36377 has 4 MA's), (101, 36485), (150, 36602), (184, 36689), (267, 36851), (292, 36944), (296, 36965), (316, 37052), (404, 37319),

Gene: Jung_22 Start: 21225, Stop: 22292, Start Num: 64

Candidate Starts for Jung_22:

(55, 21201), (Start: 62 @21222 has 8 MA's), (Start: 64 @21225 has 125 MA's), (74, 21249), (123, 21381), (125, 21387), (140, 21429), (165, 21495), (166, 21498), (199, 21558), (222, 21603), (239, 21648), (274, 21729), (292, 21786), (297, 21810), (304, 21852), (339, 21981), (344, 22002),

Gene: Juniormint_22 Start: 21325, Stop: 22380, Start Num: 64

Candidate Starts for Juniormint_22:

(55, 21301), (Start: 62 @21322 has 8 MA's), (Start: 64 @21325 has 125 MA's), (74, 21349), (125, 21487), (140, 21529), (166, 21598), (199, 21676), (222, 21721), (239, 21766), (274, 21847), (292, 21904), (297, 21928), (323, 22033), (340, 22105), (355, 22150), (421, 22315),

Gene: KLucky39_33 Start: 32371, Stop: 33531, Start Num: 41

Candidate Starts for KLucky39_33:

(Start: 41 @32371 has 291 MA's), (Start: 70 @32482 has 1 MA's), (84, 32527), (125, 32626), (149, 32686), (161, 32722), (170, 32746), (189, 32791), (192, 32797), (215, 32848), (234, 32887), (235, 32890), (239, 32902), (244, 32917), (266, 32941), (274, 32974), (296, 33055), (304, 33100), (318, 33148), (330, 33184), (334, 33193), (336, 33199), (415, 33424),

Gene: Kabluna_48 Start: 35054, Stop: 36109, Start Num: 64

Candidate Starts for Kabluna_48:

(47, 34991), (Start: 64 @35054 has 125 MA's), (143, 35267), (226, 35450), (323, 35738), (427, 36083),

Gene: Kahve_32 Start: 32087, Stop: 33247, Start Num: 41

Candidate Starts for Kahve_32:

(Start: 41 @32087 has 291 MA's), (Start: 70 @32198 has 1 MA's), (84, 32243), (125, 32342), (149, 32402), (161, 32438), (170, 32462), (189, 32507), (192, 32513), (215, 32564), (234, 32603), (235, 32606), (239, 32618), (244, 32633), (266, 32657), (274, 32690), (296, 32771), (304, 32816), (318, 32864), (330, 32900), (334, 32909), (336, 32915), (415, 33140),

Gene: Kailash_33 Start: 32425, Stop: 33585, Start Num: 41

Candidate Starts for Kailash_33:

(Start: 41 @32425 has 291 MA's), (Start: 70 @32536 has 1 MA's), (84, 32581), (125, 32680), (149, 32740), (161, 32776), (170, 32800), (189, 32845), (192, 32851), (215, 32902), (234, 32941), (235, 32944), (239, 32956), (266, 32995), (274, 33028), (296, 33109), (318, 33202), (330, 33238), (334, 33247), (336, 33253), (415, 33478),

Gene: Kaleb_33 Start: 32811, Stop: 33974, Start Num: 41

Candidate Starts for Kaleb_33:

(24, 32664), (Start: 39 @32805 has 9 MA's), (Start: 41 @32811 has 291 MA's), (45, 32850), (53, 32880), (Start: 70 @32925 has 1 MA's), (84, 32970), (125, 33069), (149, 33129), (161, 33165), (170, 33189), (189, 33234), (192, 33240), (215, 33291), (234, 33330), (235, 33333), (239, 33345), (244, 33360), (266, 33384), (274, 33417), (296, 33498), (304, 33543), (318, 33591), (330, 33627), (334, 33636), (336, 33642), (415, 33867),

Gene: Kari_22 Start: 21296, Stop: 22336, Start Num: 62

Candidate Starts for Kari_22:

(55, 21275), (Start: 62 @21296 has 8 MA's), (Start: 64 @21299 has 125 MA's), (74, 21323), (125, 21461), (140, 21503), (166, 21572), (199, 21632), (222, 21677), (239, 21722), (274, 21803), (292, 21860), (297, 21884), (323, 21989), (340, 22061), (355, 22106), (421, 22271),

Gene: Katniss_33 Start: 32386, Stop: 33546, Start Num: 41

Candidate Starts for Katniss_33:

(Start: 41 @32386 has 291 MA's), (Start: 70 @32497 has 1 MA's), (84, 32542), (125, 32641), (149, 32701), (161, 32737), (170, 32761), (189, 32806), (192, 32812), (215, 32863), (234, 32902), (235, 32905), (239, 32917), (244, 32932), (266, 32956), (274, 32989), (296, 33070), (304, 33115), (318, 33163), (330, 33199), (334, 33208), (336, 33214), (415, 33439),

Gene: KayaCho_27 Start: 30061, Stop: 31269, Start Num: 41

Candidate Starts for KayaCho_27:

(8, 29536), (10, 29638), (Start: 41 @30061 has 291 MA's), (45, 30100), (60, 30154), (Start: 70 @30175 has 1 MA's), (76, 30190), (84, 30220), (88, 30235), (119, 30301), (120, 30304), (140, 30361), (142, 30364), (161, 30415), (162, 30418), (164, 30424), (166, 30430), (180, 30466), (213, 30538), (214, 30541), (236, 30589), (242, 30607), (259, 30694), (297, 30829), (330, 30952), (331, 30955), (345, 31015), (371, 31069), (374, 31075), (396, 31123),

Gene: Keitherie_33 Start: 32424, Stop: 33584, Start Num: 41

Candidate Starts for Keitherie_33:

(Start: 41 @32424 has 291 MA's), (Start: 70 @32535 has 1 MA's), (84, 32580), (125, 32679), (149, 32739), (161, 32775), (170, 32799), (189, 32844), (192, 32850), (215, 32901), (234, 32940), (235, 32943), (239, 32955), (266, 32994), (274, 33027), (296, 33108), (304, 33153), (318, 33201), (330, 33237), (334, 33246), (336, 33252), (415, 33477),

Gene: Keshu_28 Start: 23942, Stop: 24964, Start Num: 67

Candidate Starts for Keshu_28:

(27, 23753), (40, 23852), (50, 23909), (Start: 67 @23942 has 75 MA's), (126, 24092), (148, 24149), (179, 24233), (194, 24263), (291, 24434), (297, 24464), (334, 24599), (354, 24692), (356, 24695), (367, 24716), (396, 24794), (415, 24863), (418, 24893),

Gene: Kevin1_22 Start: 19999, Stop: 21036, Start Num: 63

Candidate Starts for Kevin1_22:

(46, 19933), (Start: 63 @19999 has 6 MA's), (123, 20155), (125, 20161), (165, 20269), (172, 20287), (222, 20377), (239, 20422), (274, 20503), (297, 20584), (316, 20671), (323, 20689), (340, 20761), (355, 20806), (421, 20971),

Gene: Kheth_33 Start: 32696, Stop: 33862, Start Num: 41

Candidate Starts for Kheth_33:

(Start: 39 @32690 has 9 MA's), (Start: 41 @32696 has 291 MA's), (45, 32735), (53, 32765), (Start: 70 @32810 has 1 MA's), (84, 32855), (125, 32954), (149, 33014), (161, 33050), (170, 33074), (189, 33119), (192, 33125), (215, 33176), (234, 33215), (235, 33218), (239, 33230), (244, 33245), (266, 33269), (274, 33302), (296, 33383), (318, 33476), (330, 33512), (334, 33521), (336, 33527), (415, 33752),

Gene: KiSi_27 Start: 22512, Stop: 23480, Start Num: 67

Candidate Starts for KiSi_27:

(Start: 67 @22512 has 75 MA's), (130, 22674), (133, 22680), (139, 22701), (140, 22707), (158, 22749), (175, 22794), (194, 22836), (201, 22851), (275, 22959), (298, 23043), (394, 23319),

Gene: KidneyBean_44 Start: 35752, Stop: 36810, Start Num: 64

Candidate Starts for KidneyBean_44:

(1, 34312), (2, 34609), (4, 34840), (11, 35209), (30, 35587), (33, 35602), (36, 35620), (Start: 64 @35752 has 125 MA's), (202, 36097), (225, 36148), (243, 36196),

Gene: Kikipoo_33 Start: 32377, Stop: 33537, Start Num: 41

Candidate Starts for Kikipoo_33:

(Start: 41 @32377 has 291 MA's), (Start: 70 @32488 has 1 MA's), (84, 32533), (125, 32632), (149, 32692), (161, 32728), (170, 32752), (189, 32797), (192, 32803), (215, 32854), (234, 32893), (235, 32896), (239, 32908), (244, 32923), (266, 32947), (274, 32980), (296, 33061), (304, 33106), (318, 33154), (330, 33190), (334, 33199), (336, 33205), (415, 33430),

Gene: KilKor_22 Start: 21561, Stop: 22601, Start Num: 61

Candidate Starts for KilKor_22:

(Start: 61 @21561 has 8 MA's), (123, 21720), (125, 21726), (140, 21768), (165, 21834), (166, 21837), (199, 21897), (222, 21942), (239, 21987), (274, 22068), (292, 22125), (297, 22149), (323, 22254), (340, 22326), (355, 22371),

Gene: Kimbrough_33 Start: 32079, Stop: 33239, Start Num: 41

Candidate Starts for Kimbrough_33:

(Start: 41 @32079 has 291 MA's), (Start: 70 @32190 has 1 MA's), (84, 32235), (125, 32334), (149, 32394), (161, 32430), (170, 32454), (189, 32499), (192, 32505), (215, 32556), (234, 32595), (235, 32598), (239, 32610), (244, 32625), (266, 32649), (274, 32682), (296, 32763), (304, 32808), (318, 32856), (330, 32892), (334, 32901), (336, 32907), (415, 33132),

Gene: KingTut_24 Start: 27748, Stop: 28908, Start Num: 41

Candidate Starts for KingTut_24:

(Start: 41 @27748 has 291 MA's), (Start: 70 @27859 has 1 MA's), (84, 27904), (125, 28003), (149, 28063), (161, 28099), (170, 28123), (189, 28168), (192, 28174), (215, 28225), (234, 28264), (235, 28267), (239, 28279), (244, 28294), (266, 28318), (274, 28351), (296, 28432), (304, 28477), (318, 28525), (330, 28561), (334, 28570), (336, 28576), (415, 28801),

Gene: KingVeVeVe_33 Start: 32352, Stop: 33512, Start Num: 41

Candidate Starts for KingVeVeVe_33:

(Start: 41 @32352 has 291 MA's), (Start: 70 @32463 has 1 MA's), (84, 32508), (125, 32607), (149, 32667), (161, 32703), (170, 32727), (189, 32772), (192, 32778), (215, 32829), (234, 32868), (235, 32871), (239, 32883), (244, 32898), (266, 32922), (274, 32955), (296, 33036), (304, 33081), (318, 33129), (330, 33165), (334, 33174), (336, 33180), (415, 33405),

Gene: KlimbOn_33 Start: 32365, Stop: 33525, Start Num: 41

Candidate Starts for KlimbOn_33:

(Start: 41 @32365 has 291 MA's), (Start: 70 @32476 has 1 MA's), (84, 32521), (125, 32620), (149, 32680), (161, 32716), (170, 32740), (189, 32785), (192, 32791), (215, 32842), (234, 32881), (235, 32884), (239, 32896), (244, 32911), (266, 32935), (274, 32968), (296, 33049), (304, 33094), (318, 33142), (330, 33178), (334, 33187), (336, 33193), (415, 33418),

Gene: Kloppinator_33 Start: 32388, Stop: 33548, Start Num: 41

Candidate Starts for Kloppinator_33:

(Start: 41 @32388 has 291 MA's), (Start: 70 @32499 has 1 MA's), (84, 32544), (125, 32643), (149, 32703), (161, 32739), (170, 32763), (189, 32808), (192, 32814), (215, 32865), (234, 32904), (235, 32907), (239, 32919), (266, 32958), (274, 32991), (296, 33072), (304, 33117), (318, 33165), (330, 33201), (334, 33210), (336, 33216), (415, 33441),

Gene: Kratio_26 Start: 23714, Stop: 24778, Start Num: 64

Candidate Starts for Kratio_26:

(Start: 64 @23714 has 125 MA's), (93, 23804), (107, 23834), (132, 23894), (150, 23942), (164, 23981), (170, 23999), (218, 24083), (239, 24131), (245, 24149), (278, 24224), (297, 24290), (316, 24380), (317, 24383), (318, 24386), (329, 24419), (351, 24518), (352, 24521), (390, 24605), (395, 24617), (424, 24734),

Gene: Krueger_28 Start: 22638, Stop: 23633, Start Num: 67

Candidate Starts for Krueger_28:

(40, 22548), (Start: 67 @22638 has 75 MA's), (104, 22737), (Start: 108 @22743 has 3 MA's), (163, 22893), (201, 22974), (212, 22998), (296, 23160), (297, 23163), (315, 23247), (330, 23292), (422, 23571), (425, 23592), (427, 23610),

Gene: Ksquared_22 Start: 21321, Stop: 22358, Start Num: 64

Candidate Starts for Ksquared_22:

(55, 21297), (Start: 62 @21318 has 8 MA's), (Start: 64 @21321 has 125 MA's), (74, 21345), (125, 21483), (140, 21525), (166, 21594), (199, 21654), (222, 21699), (239, 21744), (274, 21825), (292, 21882), (297, 21906), (323, 22011), (340, 22083), (355, 22128), (421, 22293),

Gene: Kurt_44 Start: 35989, Stop: 37047, Start Num: 64

Candidate Starts for Kurt_44:

(1, 34549), (2, 34846), (4, 35077), (11, 35446), (30, 35824), (33, 35839), (36, 35857), (Start: 64 @35989 has 125 MA's), (202, 36334), (225, 36385), (243, 36433),

Gene: Kwadwo_32 Start: 32069, Stop: 33229, Start Num: 41

Candidate Starts for Kwadwo_32:

(Start: 41 @32069 has 291 MA's), (Start: 70 @32180 has 1 MA's), (84, 32225), (125, 32324), (149, 32384), (161, 32420), (170, 32444), (189, 32489), (192, 32495), (215, 32546), (234, 32585), (235, 32588), (239, 32600), (244, 32615), (266, 32639), (274, 32672), (296, 32753), (304, 32798), (318, 32846), (330, 32882), (334, 32891), (336, 32897), (415, 33122),

Gene: Kwksand96_32 Start: 31938, Stop: 33098, Start Num: 41

Candidate Starts for Kwksand96_32:

(Start: 41 @31938 has 291 MA's), (Start: 70 @32049 has 1 MA's), (84, 32094), (125, 32193), (149, 32253), (161, 32289), (170, 32313), (189, 32358), (192, 32364), (215, 32415), (234, 32454), (235, 32457), (239, 32469), (244, 32484), (266, 32508), (274, 32541), (296, 32622), (304, 32667), (318, 32715), (330, 32751), (334, 32760), (336, 32766), (415, 32991),

Gene: Labelle_37 Start: 32043, Stop: 33083, Start Num: 68

Candidate Starts for Labelle_37:

(Start: 68 @32043 has 4 MA's), (90, 32121), (124, 32199), (225, 32412), (228, 32418), (264, 32496), (292, 32589), (298, 32616),

Gene: Labeouficaum_32 Start: 31933, Stop: 33093, Start Num: 41

Candidate Starts for Labeouficaum_32:

(Start: 41 @31933 has 291 MA's), (Start: 70 @32044 has 1 MA's), (84, 32089), (125, 32188), (149, 32248), (161, 32284), (170, 32308), (189, 32353), (192, 32359), (215, 32410), (234, 32449), (235, 32452), (239, 32464), (244, 32479), (266, 32503), (274, 32536), (296, 32617), (304, 32662), (318, 32710), (330, 32746), (334, 32755), (336, 32761), (415, 32986),

Gene: Langerak_22 Start: 21280, Stop: 22320, Start Num: 62

Candidate Starts for Langerak_22:

(55, 21259), (Start: 62 @21280 has 8 MA's), (Start: 64 @21283 has 125 MA's), (74, 21307), (125, 21445), (140, 21487), (166, 21556), (199, 21616), (222, 21661), (239, 21706), (274, 21787), (292, 21844), (297, 21868), (323, 21973), (340, 22045), (355, 22090), (421, 22255),

Gene: Lars_33 Start: 32801, Stop: 33964, Start Num: 41

Candidate Starts for Lars_33:

(24, 32654), (Start: 39 @32795 has 9 MA's), (Start: 41 @32801 has 291 MA's), (45, 32840), (53, 32870), (Start: 70 @32915 has 1 MA's), (84, 32960), (125, 33059), (149, 33119), (161, 33155), (170, 33179), (189, 33224), (192, 33230), (215, 33281), (234, 33320), (235, 33323), (239, 33335), (244, 33350), (266, 33374), (274, 33407), (296, 33488), (318, 33581), (330, 33617), (334, 33626), (336, 33632), (345, 33692), (415, 33857),

Gene: Larva_28 Start: 23878, Stop: 24942, Start Num: 64

Candidate Starts for Larva_28:

(Start: 64 @23878 has 125 MA's), (93, 23968), (107, 23998), (129, 24052), (132, 24058), (150, 24106), (164, 24145), (170, 24163), (172, 24166), (218, 24247), (239, 24295), (245, 24313), (297, 24454), (316, 24544), (317, 24547), (318, 24550), (329, 24583), (334, 24595), (351, 24682), (352, 24685), (395, 24781), (424, 24898),

Gene: LasagnaCat_33 Start: 32371, Stop: 33531, Start Num: 41

Candidate Starts for LasagnaCat_33:

(Start: 41 @32371 has 291 MA's), (Start: 70 @32482 has 1 MA's), (84, 32527), (125, 32626), (149, 32686), (161, 32722), (170, 32746), (189, 32791), (192, 32797), (215, 32848), (234, 32887), (235, 32890), (239, 32902), (266, 32941), (274, 32974), (296, 33055), (318, 33148), (330, 33184), (334, 33193), (336, 33199), (415, 33424),

Gene: Lasso_33 Start: 32344, Stop: 33504, Start Num: 41

Candidate Starts for Lasso_33:

(Start: 41 @32344 has 291 MA's), (Start: 70 @32455 has 1 MA's), (84, 32500), (125, 32599), (149, 32659), (161, 32695), (170, 32719), (189, 32764), (192, 32770), (215, 32821), (234, 32860), (235, 32863), (239, 32875), (244, 32890), (266, 32914), (274, 32947), (296, 33028), (304, 33073), (318, 33121), (330, 33157), (334, 33166), (336, 33172), (415, 33397),

Gene: LastHope_28 Start: 22491, Stop: 23498, Start Num: 67

Candidate Starts for LastHope_28:

(Start: 67 @22491 has 75 MA's), (152, 22710), (160, 22731), (181, 22785), (201, 22827), (231, 22887), (274, 22935), (290, 22983), (296, 23013), (318, 23109), (323, 23121), (336, 23160), (394, 23331), (402, 23343),

Gene: LaterM_28 Start: 23256, Stop: 24269, Start Num: 65

Candidate Starts for LaterM_28:

(Start: 65 @23256 has 91 MA's), (Start: 108 @23367 has 3 MA's), (152, 23481), (201, 23598), (221, 23640), (228, 23652), (274, 23706), (296, 23784), (318, 23880), (323, 23892), (336, 23931), (354, 24012), (372, 24045), (402, 24114), (423, 24210),

Gene: LeMond_27 Start: 22583, Stop: 23551, Start Num: 67

Candidate Starts for LeMond_27:

(Start: 67 @22583 has 75 MA's), (120, 22718), (130, 22745), (133, 22751), (139, 22772), (140, 22778), (158, 22820), (175, 22865), (194, 22907), (201, 22922), (275, 23030), (298, 23114), (394, 23390),

Gene: LeeLot_33 Start: 32375, Stop: 33535, Start Num: 41

Candidate Starts for LeeLot_33:

(Start: 41 @32375 has 291 MA's), (Start: 70 @32486 has 1 MA's), (84, 32531), (125, 32630), (149, 32690), (161, 32726), (170, 32750), (189, 32795), (192, 32801), (215, 32852), (234, 32891), (235, 32894), (239, 32906), (266, 32945), (274, 32978), (296, 33059), (304, 33104), (318, 33152), (330, 33188), (334, 33197), (336, 33203), (415, 33428),

Gene: Lego3393_33 Start: 32380, Stop: 33540, Start Num: 41

Candidate Starts for Lego3393_33:

(Start: 41 @32380 has 291 MA's), (Start: 70 @32491 has 1 MA's), (84, 32536), (125, 32635), (149, 32695), (161, 32731), (170, 32755), (189, 32800), (192, 32806), (215, 32857), (234, 32896), (235, 32899), (239, 32911), (244, 32926), (266, 32950), (274, 32983), (296, 33064), (304, 33109), (318, 33157), (330, 33193), (334, 33202), (336, 33208), (415, 33433),

Gene: Legolas_32 Start: 32085, Stop: 33245, Start Num: 41

Candidate Starts for Legolas_32:

(Start: 41 @32085 has 291 MA's), (Start: 70 @32196 has 1 MA's), (84, 32241), (125, 32340), (149, 32400), (161, 32436), (170, 32460), (189, 32505), (192, 32511), (215, 32562), (234, 32601), (235, 32604), (239, 32616), (266, 32655), (274, 32688), (296, 32769), (304, 32814), (318, 32862), (330, 32898), (334, 32907), (336, 32913), (415, 33138),

Gene: LeiMonet_33 Start: 32076, Stop: 33236, Start Num: 41

Candidate Starts for LeiMonet_33:

(Start: 41 @32076 has 291 MA's), (Start: 70 @32187 has 1 MA's), (84, 32232), (125, 32331), (149, 32391), (161, 32427), (170, 32451), (189, 32496), (192, 32502), (215, 32553), (234, 32592), (235, 32595), (239, 32607), (244, 32622), (266, 32646), (274, 32679), (296, 32760), (304, 32805), (318, 32853), (330, 32889), (334, 32898), (336, 32904), (415, 33129),

Gene: LemonSlice_33 Start: 32072, Stop: 33232, Start Num: 41

Candidate Starts for LemonSlice_33:

(Start: 41 @32072 has 291 MA's), (Start: 70 @32183 has 1 MA's), (84, 32228), (125, 32327), (149, 32387), (161, 32423), (170, 32447), (189, 32492), (192, 32498), (215, 32549), (234, 32588), (235, 32591), (239, 32603), (244, 32618), (266, 32642), (274, 32675), (296, 32756), (304, 32801), (318, 32849), (330, 32885), (334, 32894), (336, 32900), (415, 33125),

Gene: Lephleur_33 Start: 32688, Stop: 33857, Start Num: 39

Candidate Starts for Lephleur_33:

(24, 32547), (Start: 39 @32688 has 9 MA's), (Start: 41 @32694 has 291 MA's), (45, 32733), (53, 32763), (Start: 70 @32808 has 1 MA's), (84, 32853), (125, 32952), (149, 33012), (161, 33048), (170, 33072), (189, 33117), (192, 33123), (215, 33174), (234, 33213), (235, 33216), (239, 33228), (244, 33243), (266, 33267), (274, 33300), (296, 33381), (318, 33474), (330, 33510), (334, 33519), (336, 33525), (415, 33750),

Gene: Leston_27 Start: 24063, Stop: 25130, Start Num: 64

Candidate Starts for Leston_27:

(Start: 64 @24063 has 125 MA's), (105, 24180), (129, 24237), (148, 24285), (150, 24291), (170, 24348), (172, 24351), (178, 24366), (190, 24393), (218, 24432), (220, 24435), (228, 24447), (229, 24450), (230, 24453), (235, 24468), (258, 24513), (260, 24519), (278, 24573), (292, 24621), (299, 24651), (310, 24696), (340, 24825), (353, 24879),

Gene: LilMcDreamy_28 Start: 31675, Stop: 32907, Start Num: 41

Candidate Starts for LilMcDreamy_28:

(5, 30913), (6, 30922), (7, 31042), (10, 31252), (Start: 41 @31675 has 291 MA's), (45, 31714), (48, 31720), (Start: 70 @31792 has 1 MA's), (110, 31897), (119, 31918), (140, 31978), (162, 32035), (178, 32077), (188, 32101), (214, 32158), (234, 32200), (242, 32224), (250, 32251), (259, 32329), (296, 32464), (298, 32470), (331, 32593), (345, 32653), (349, 32671), (371, 32707), (374, 32713), (385, 32737), (396, 32761),

Gene: LilPharaoh_24 Start: 22900, Stop: 23907, Start Num: 67

Candidate Starts for LilPharaoh_24:

(52, 22849), (54, 22861), (Start: 67 @22900 has 75 MA's), (87, 22960), (120, 23032), (139, 23086), (148, 23107), (201, 23236), (223, 23281), (225, 23284), (273, 23341), (274, 23344), (289, 23389), (297, 23425), (318, 23521), (323, 23533), (353, 23653), (412, 23785),

Gene: LilhomieP_30 Start: 26992, Stop: 28047, Start Num: 64

Candidate Starts for LilhomieP_30:

(Start: 64 @26992 has 125 MA's), (144, 27205), (160, 27241), (184, 27304), (229, 27376), (239, 27406), (246, 27427), (267, 27463), (278, 27499), (292, 27547), (296, 27568), (298, 27574), (301, 27604), (302, 27607), (315, 27655), (375, 27844), (383, 27865), (409, 27919),

Gene: LindNT_28 Start: 23290, Stop: 24303, Start Num: 65

Candidate Starts for LindNT_28:

(49, 23245), (Start: 65 @23290 has 91 MA's), (Start: 108 @23401 has 3 MA's), (152, 23515), (201, 23632), (221, 23674), (228, 23686), (274, 23740), (296, 23818), (314, 23902), (318, 23914), (323, 23926), (336, 23965), (423, 24244),

Gene: LizLemon_33 Start: 32810, Stop: 33973, Start Num: 41

Candidate Starts for LizLemon_33:

(24, 32663), (Start: 39 @32804 has 9 MA's), (Start: 41 @32810 has 291 MA's), (45, 32849), (53, 32879), (Start: 70 @32924 has 1 MA's), (84, 32969), (125, 33068), (149, 33128), (161, 33164), (170, 33188), (189, 33233), (192, 33239), (215, 33290), (234, 33329), (235, 33332), (239, 33344), (244, 33359), (266, 33383), (274, 33416), (296, 33497), (304, 33542), (318, 33590), (330, 33626), (334, 33635), (336, 33641), (415, 33866),

Gene: Llorens_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Llorens_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Lollipop1437_50 Start: 36962, Stop: 38023, Start Num: 64

Candidate Starts for Lollipop1437_50:

(Start: 64 @36962 has 125 MA's), (134, 37148), (213, 37334), (214, 37337), (298, 37547),

Gene: Longacauda_32 Start: 32077, Stop: 33237, Start Num: 41

Candidate Starts for Longacauda_32:

(Start: 41 @32077 has 291 MA's), (Start: 70 @32188 has 1 MA's), (84, 32233), (125, 32332), (149, 32392), (161, 32428), (170, 32452), (189, 32497), (192, 32503), (215, 32554), (234, 32593), (235, 32596), (239, 32608), (244, 32623), (266, 32647), (274, 32680), (296, 32761), (304, 32806), (318, 32854), (330, 32890), (334, 32899), (336, 32905), (415, 33130),

Gene: Lopsy_32 Start: 31927, Stop: 33087, Start Num: 41

Candidate Starts for Lopsy_32:

(Start: 41 @31927 has 291 MA's), (Start: 70 @32038 has 1 MA's), (84, 32083), (125, 32182), (149, 32242), (161, 32278), (170, 32302), (189, 32347), (192, 32353), (215, 32404), (234, 32443), (235, 32446), (239, 32458), (266, 32497), (274, 32530), (296, 32611), (304, 32656), (318, 32704), (330, 32740), (334, 32749), (336, 32755), (415, 32980),

Gene: LostAndPhound_32 Start: 32078, Stop: 33238, Start Num: 41

Candidate Starts for LostAndPhound_32:

(Start: 41 @32078 has 291 MA's), (Start: 70 @32189 has 1 MA's), (84, 32234), (125, 32333), (149, 32393), (161, 32429), (170, 32453), (189, 32498), (192, 32504), (215, 32555), (234, 32594), (235, 32597), (239, 32609), (266, 32648), (274, 32681), (296, 32762), (318, 32855), (330, 32891), (334, 32900), (336, 32906), (415, 33131),

Gene: LuckyMarjie_32 Start: 32087, Stop: 33247, Start Num: 41

Candidate Starts for LuckyMarjie_32:

(Start: 41 @32087 has 291 MA's), (Start: 70 @32198 has 1 MA's), (84, 32243), (125, 32342), (149, 32402), (161, 32438), (170, 32462), (189, 32507), (192, 32513), (215, 32564), (234, 32603), (235, 32606), (239, 32618), (244, 32633), (266, 32657), (274, 32690), (296, 32771), (304, 32816), (318, 32864), (330, 32900), (334, 32909), (336, 32915), (415, 33140),

Gene: Lulumae_32 Start: 32069, Stop: 33229, Start Num: 41

Candidate Starts for Lulumae_32:

(Start: 41 @32069 has 291 MA's), (Start: 70 @32180 has 1 MA's), (84, 32225), (125, 32324), (149, 32384), (161, 32420), (170, 32444), (189, 32489), (192, 32495), (215, 32546), (234, 32585), (235, 32588), (239, 32600), (244, 32615), (266, 32639), (274, 32672), (296, 32753), (304, 32798), (318, 32846), (330, 32882), (334, 32891), (336, 32897), (415, 33122),

Gene: Lulwa_33 Start: 32356, Stop: 33516, Start Num: 41

Candidate Starts for Lulwa_33:

(Start: 41 @32356 has 291 MA's), (Start: 70 @32467 has 1 MA's), (84, 32512), (125, 32611), (149, 32671), (161, 32707), (170, 32731), (189, 32776), (192, 32782), (215, 32833), (234, 32872), (235, 32875), (239, 32887), (244, 32902), (266, 32926), (274, 32959), (296, 33040), (304, 33085), (318, 33133), (330, 33169), (334, 33178), (336, 33184), (415, 33409),

Gene: Lumine_32 Start: 32065, Stop: 33225, Start Num: 41

Candidate Starts for Lumine_32:

(Start: 41 @32065 has 291 MA's), (Start: 70 @32176 has 1 MA's), (84, 32221), (125, 32320), (149, 32380), (161, 32416), (170, 32440), (189, 32485), (192, 32491), (215, 32542), (234, 32581), (235, 32584), (239, 32596), (244, 32611), (266, 32635), (274, 32668), (296, 32749), (304, 32794), (318, 32842), (330, 32878), (334, 32887), (336, 32893), (415, 33118),

Gene: Lunahalos_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Lunahalos_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: MRabcd_32 Start: 32069, Stop: 33229, Start Num: 41

Candidate Starts for MRabcd_32:

(Start: 41 @32069 has 291 MA's), (Start: 70 @32180 has 1 MA's), (84, 32225), (125, 32324), (149, 32384), (161, 32420), (170, 32444), (189, 32489), (192, 32495), (215, 32546), (234, 32585), (235, 32588), (239, 32600), (244, 32615), (266, 32639), (274, 32672), (296, 32753), (304, 32798), (318, 32846), (330, 32882), (334, 32891), (336, 32897), (415, 33122),

Gene: MacnCheese_29 Start: 24319, Stop: 25308, Start Num: 67

Candidate Starts for MacnCheese_29:

(40, 24199), (50, 24256), (Start: 67 @24319 has 75 MA's), (79, 24352), (120, 24448), (122, 24454), (149, 24526), (212, 24676), (224, 24697), (235, 24724), (297, 24841), (314, 24919), (318, 24931), (319, 24934), (417, 25231),

Gene: Maco6_23 Start: 20985, Stop: 22013, Start Num: 59

Candidate Starts for Maco6_23:

(Start: 59 @20985 has 2 MA's), (90, 21075), (124, 21144), (128, 21153), (160, 21231), (184, 21294), (186, 21297), (264, 21441), (274, 21477), (292, 21528), (301, 21585), (375, 21825), (421, 21951),

Gene: Madruga_36 Start: 31712, Stop: 32752, Start Num: 68

Candidate Starts for Madruga_36:

(Start: 68 @31712 has 4 MA's), (90, 31790), (124, 31868), (225, 32081), (228, 32087), (264, 32165), (292, 32258), (298, 32285),

Gene: Mag7_32 Start: 31975, Stop: 33135, Start Num: 41

Candidate Starts for Mag7_32:

(Start: 41 @31975 has 291 MA's), (Start: 70 @32086 has 1 MA's), (84, 32131), (125, 32230), (149, 32290), (161, 32326), (170, 32350), (189, 32395), (192, 32401), (215, 32452), (234, 32491), (235, 32494), (239, 32506), (266, 32545), (274, 32578), (296, 32659), (318, 32752), (330, 32788), (334, 32797), (336, 32803), (415, 33028),

Gene: Magic8_33 Start: 32410, Stop: 33570, Start Num: 41

Candidate Starts for Magic8_33:

(Start: 41 @32410 has 291 MA's), (Start: 70 @32521 has 1 MA's), (84, 32566), (125, 32665), (149, 32725), (161, 32761), (170, 32785), (189, 32830), (192, 32836), (215, 32887), (234, 32926), (235, 32929), (239, 32941), (244, 32956), (266, 32980), (274, 33013), (296, 33094), (304, 33139), (318, 33187), (330, 33223), (334, 33232), (336, 33238), (415, 33463),

Gene: Majeke_22 Start: 21305, Stop: 22342, Start Num: 64

Candidate Starts for Majeke_22:

(55, 21281), (Start: 62 @21302 has 8 MA's), (Start: 64 @21305 has 125 MA's), (74, 21329), (125, 21467), (140, 21509), (166, 21578), (199, 21638), (222, 21683), (239, 21728), (274, 21809), (292, 21866), (297, 21890), (323, 21995), (340, 22067), (355, 22112), (421, 22277),

Gene: MalagasyRose_28 Start: 22698, Stop: 23777, Start Num: 64

Candidate Starts for MalagasyRose_28:

(Start: 64 @22698 has 125 MA's), (73, 22719), (103, 22812), (122, 22854), (123, 22857), (129, 22872), (150, 22926), (160, 22947), (164, 22965), (190, 23028), (208, 23049), (230, 23088), (239, 23115), (245, 23133), (278, 23211), (285, 23229), (336, 23424), (345, 23484), (397, 23607),

Gene: Malithi_22 Start: 21221, Stop: 22261, Start Num: 62

Candidate Starts for Malithi_22:

(55, 21200), (Start: 62 @21221 has 8 MA's), (Start: 64 @21224 has 125 MA's), (74, 21248), (125, 21386), (140, 21428), (166, 21497), (199, 21557), (222, 21602), (239, 21647), (274, 21728), (292, 21785), (297, 21809), (323, 21914), (340, 21986), (355, 22031), (421, 22196),

Gene: Malthus_30 Start: 24509, Stop: 25513, Start Num: 67

Candidate Starts for Malthus_30:

(Start: 67 @24509 has 75 MA's), (88, 24578), (134, 24677), (150, 24722), (152, 24728), (171, 24782), (176, 24791), (191, 24827), (212, 24872), (224, 24893), (226, 24899), (228, 24902), (296, 25034), (297, 25037), (328, 25160), (336, 25181), (394, 25352), (421, 25448),

Gene: Mana_32 Start: 32084, Stop: 33244, Start Num: 41

Candidate Starts for Mana_32:

(Start: 41 @32084 has 291 MA's), (Start: 70 @32195 has 1 MA's), (84, 32240), (125, 32339), (149, 32399), (161, 32435), (170, 32459), (189, 32504), (192, 32510), (215, 32561), (234, 32600), (235, 32603), (239, 32615), (244, 32630), (266, 32654), (274, 32687), (296, 32768), (304, 32813), (318, 32861), (330, 32897), (334, 32906), (336, 32912), (415, 33137),

Gene: Manad_32 Start: 31926, Stop: 33086, Start Num: 41

Candidate Starts for Manad_32:

(Start: 41 @31926 has 291 MA's), (Start: 70 @32037 has 1 MA's), (84, 32082), (125, 32181), (149, 32241), (161, 32277), (170, 32301), (189, 32346), (192, 32352), (215, 32403), (234, 32442), (235, 32445), (239, 32457), (266, 32496), (274, 32529), (296, 32610), (304, 32655), (318, 32703), (330, 32739), (334, 32748), (336, 32754), (415, 32979),

Gene: Mangethe_22 Start: 21305, Stop: 22342, Start Num: 64

Candidate Starts for Mangethe_22:

(55, 21281), (Start: 62 @21302 has 8 MA's), (Start: 64 @21305 has 125 MA's), (74, 21329), (125, 21467), (140, 21509), (166, 21578), (199, 21638), (222, 21683), (239, 21728), (274, 21809), (292, 21866), (297, 21890), (323, 21995), (340, 22067), (355, 22112), (421, 22277),

Gene: Mao1_27 Start: 28750, Stop: 29910, Start Num: 41

Candidate Starts for Mao1_27:

(Start: 41 @28750 has 291 MA's), (44, 28786), (53, 28819), (Start: 70 @28864 has 1 MA's), (84, 28909), (85, 28912), (161, 29104), (170, 29128), (173, 29134), (192, 29179), (194, 29182), (215, 29230), (242, 29293), (243, 29296), (268, 29329), (290, 29404), (296, 29434), (328, 29557), (331, 29566), (334, 29572), (429, 29893),

Gene: Marcoliusprime_25 Start: 21282, Stop: 22277, Start Num: 67

Candidate Starts for Marcoliusprime_25:

(27, 21099), (40, 21198), (Start: 67 @21282 has 75 MA's), (94, 21363), (104, 21387), (130, 21447), (150, 21501), (152, 21507), (194, 21609), (196, 21612), (217, 21660), (221, 21666), (239, 21708), (274, 21732), (298, 21816), (316, 21900), (336, 21957), (427, 22254),

Gene: MarkPhew_28 Start: 22462, Stop: 23448, Start Num: 67

Candidate Starts for MarkPhew_28:

(Start: 67 @22462 has 75 MA's), (106, 22567), (133, 22630), (139, 22651), (140, 22657), (148, 22672), (158, 22699), (181, 22759), (194, 22786), (243, 22891), (297, 22990), (315, 23074), (328, 23113), (388, 23263), (408, 23317), (413, 23332),

Gene: Marshawn_29 Start: 23145, Stop: 24104, Start Num: 67

Candidate Starts for Marshawn_29:

(Start: 67 @23145 has 75 MA's), (78, 23175), (127, 23301), (134, 23316), (148, 23355), (158, 23382), (197, 23475), (201, 23484), (221, 23526), (274, 23592), (296, 23670), (297, 23673), (319, 23766), (353, 23874), (373, 23910),

Gene: Maru_32 Start: 32027, Stop: 33187, Start Num: 41

Candidate Starts for Maru_32:

(Start: 41 @32027 has 291 MA's), (Start: 70 @32138 has 1 MA's), (84, 32183), (125, 32282), (149, 32342), (161, 32378), (170, 32402), (189, 32447), (192, 32453), (215, 32504), (234, 32543), (235, 32546), (239, 32558), (244, 32573), (266, 32597), (274, 32630), (296, 32711), (304, 32756), (318, 32804), (330, 32840), (334, 32849), (336, 32855), (415, 33080),

Gene: Mask_28 Start: 28743, Stop: 29903, Start Num: 41

Candidate Starts for Mask_28:

(Start: 41 @28743 has 291 MA's), (44, 28779), (53, 28812), (Start: 70 @28857 has 1 MA's), (84, 28902), (85, 28905), (161, 29097), (170, 29121), (173, 29127), (186, 29160), (189, 29166), (192, 29172), (194, 29175), (215, 29223), (242, 29286), (243, 29289), (268, 29322), (290, 29397), (296, 29427), (328, 29550), (331, 29559), (334, 29565),

Gene: Maskar_32 Start: 31924, Stop: 33084, Start Num: 41

Candidate Starts for Maskar_32:

(Start: 41 @31924 has 291 MA's), (Start: 70 @32035 has 1 MA's), (84, 32080), (125, 32179), (149, 32239), (161, 32275), (170, 32299), (189, 32344), (192, 32350), (215, 32401), (234, 32440), (235, 32443), (239, 32455), (244, 32470), (266, 32494), (274, 32527), (296, 32608), (304, 32653), (318, 32701), (330, 32737), (334, 32746), (336, 32752), (415, 32977),

Gene: MasterPo_33 Start: 32691, Stop: 33860, Start Num: 39

Candidate Starts for MasterPo_33:

(Start: 39 @32691 has 9 MA's), (Start: 41 @32697 has 291 MA's), (45, 32736), (53, 32766), (Start: 70 @32811 has 1 MA's), (84, 32856), (125, 32955), (149, 33015), (161, 33051), (170, 33075), (189, 33120), (192, 33126), (215, 33177), (234, 33216), (235, 33219), (239, 33231), (244, 33246), (266, 33270), (274, 33303), (296, 33384), (304, 33429), (318, 33477), (330, 33513), (334, 33522), (336, 33528), (415, 33753),

Gene: Matalotodo_33 Start: 32370, Stop: 33530, Start Num: 41

Candidate Starts for Matalotodo_33:

(Start: 41 @32370 has 291 MA's), (Start: 70 @32481 has 1 MA's), (84, 32526), (125, 32625), (149, 32685), (161, 32721), (170, 32745), (189, 32790), (192, 32796), (215, 32847), (234, 32886), (235, 32889), (239, 32901), (244, 32916), (266, 32940), (274, 32973), (296, 33054), (304, 33099), (318, 33147), (330, 33183), (334, 33192), (336, 33198), (415, 33423),

Gene: McMater_28 Start: 22728, Stop: 23693, Start Num: 65

Candidate Starts for McMater_28:

(Start: 65 @22728 has 91 MA's), (69, 22734), (126, 22887), (134, 22905), (139, 22923), (152, 22956), (165, 22998), (194, 23058), (201, 23073), (296, 23259), (297, 23262), (313, 23334), (336, 23403), (352, 23451), (358, 23466), (378, 23499), (392, 23538), (420, 23637),

Gene: Mcshane_32 Start: 32067, Stop: 33227, Start Num: 41

Candidate Starts for Mcshane_32:

(Start: 41 @32067 has 291 MA's), (Start: 70 @32178 has 1 MA's), (84, 32223), (125, 32322), (149, 32382), (161, 32418), (170, 32442), (189, 32487), (192, 32493), (215, 32544), (234, 32583), (235, 32586), (239, 32598), (244, 32613), (266, 32637), (274, 32670), (296, 32751), (304, 32796), (318, 32844), (330, 32880), (334, 32889), (336, 32895), (415, 33120),

Gene: Mdavu_24 Start: 22888, Stop: 23895, Start Num: 67

Candidate Starts for Mdavu_24:

(52, 22837), (54, 22849), (Start: 67 @22888 has 75 MA's), (87, 22948), (120, 23020), (139, 23074), (148, 23095), (201, 23224), (223, 23269), (225, 23272), (273, 23329), (274, 23332), (289, 23377), (297, 23413), (318, 23509), (323, 23521), (353, 23641), (412, 23773),

Gene: MeaningOfLife_28 Start: 23292, Stop: 24305, Start Num: 65

Candidate Starts for MeaningOfLife_28:

(13, 22848), (49, 23247), (Start: 65 @23292 has 91 MA's), (Start: 108 @23403 has 3 MA's), (150, 23511), (152, 23517), (201, 23634), (221, 23676), (228, 23688), (274, 23742), (296, 23820), (314, 23904), (318, 23916), (323, 23928), (336, 23967), (372, 24081), (402, 24150),

Gene: Mecca_32 Start: 32070, Stop: 33230, Start Num: 41

Candidate Starts for Mecca_32:

(Start: 41 @32070 has 291 MA's), (Start: 70 @32181 has 1 MA's), (84, 32226), (125, 32325), (149, 32385), (161, 32421), (170, 32445), (189, 32490), (192, 32496), (215, 32547), (234, 32586), (235, 32589), (239, 32601), (244, 32616), (266, 32640), (274, 32673), (296, 32754), (304, 32799), (318, 32847), (330, 32883), (334, 32892), (336, 32898), (415, 33123),

Gene: Megamind20_33 Start: 32092, Stop: 33252, Start Num: 41

Candidate Starts for Megamind20_33:

(Start: 41 @32092 has 291 MA's), (Start: 70 @32203 has 1 MA's), (84, 32248), (125, 32347), (149, 32407), (161, 32443), (170, 32467), (189, 32512), (192, 32518), (215, 32569), (234, 32608), (235, 32611), (239, 32623), (244, 32638), (266, 32662), (274, 32695), (296, 32776), (304, 32821), (318, 32869), (330, 32905), (334, 32914), (336, 32920), (415, 33145),

Gene: Megatron_33 Start: 32368, Stop: 33528, Start Num: 41

Candidate Starts for Megatron_33:

(Start: 41 @32368 has 291 MA's), (Start: 70 @32479 has 1 MA's), (84, 32524), (125, 32623), (149, 32683), (161, 32719), (170, 32743), (189, 32788), (192, 32794), (215, 32845), (234, 32884), (235, 32887), (239, 32899), (266, 32938), (274, 32971), (296, 33052), (304, 33097), (318, 33145), (330, 33181), (334, 33190), (336, 33196), (415, 33421),

Gene: Megiddo_22 Start: 21561, Stop: 22601, Start Num: 61

Candidate Starts for Megiddo_22:

(Start: 61 @21561 has 8 MA's), (123, 21720), (125, 21726), (140, 21768), (165, 21834), (166, 21837), (199, 21897), (222, 21942), (239, 21987), (274, 22068), (292, 22125), (297, 22149), (323, 22254), (340, 22326), (355, 22371),

Gene: Megsy_28 Start: 23293, Stop: 24306, Start Num: 65

Candidate Starts for Megsy_28:

(13, 22849), (49, 23248), (Start: 65 @23293 has 91 MA's), (Start: 108 @23404 has 3 MA's), (152, 23518), (201, 23635), (221, 23677), (228, 23689), (274, 23743), (296, 23821), (314, 23905), (318, 23917), (323, 23929), (336, 23968), (423, 24247),

Gene: Melc17_33 Start: 32365, Stop: 33525, Start Num: 41

Candidate Starts for Melc17_33:

(Start: 41 @32365 has 291 MA's), (Start: 70 @32476 has 1 MA's), (84, 32521), (125, 32620), (149, 32680), (161, 32716), (170, 32740), (189, 32785), (192, 32791), (215, 32842), (234, 32881), (235, 32884), (239, 32896), (266, 32935), (274, 32968), (296, 33049), (318, 33142), (330, 33178), (334, 33187), (336, 33193), (415, 33418),

Gene: MelsMeow_32 Start: 31973, Stop: 33133, Start Num: 41

Candidate Starts for MelsMeow_32:

(Start: 41 @31973 has 291 MA's), (Start: 70 @32084 has 1 MA's), (84, 32129), (125, 32228), (149, 32288), (161, 32324), (170, 32348), (189, 32393), (192, 32399), (215, 32450), (234, 32489), (235, 32492), (239, 32504), (244, 32519), (266, 32543), (274, 32576), (296, 32657), (304, 32702), (318, 32750), (330, 32786), (334, 32795), (336, 32801), (415, 33026),

Gene: MerCougar_46 Start: 36238, Stop: 37293, Start Num: 64

Candidate Starts for MerCougar_46:

(47, 36175), (Start: 64 @36238 has 125 MA's), (143, 36451), (214, 36610), (226, 36634), (323, 36922), (421, 37222), (427, 37267),

Gene: Mesh1_33 Start: 32382, Stop: 33542, Start Num: 41

Candidate Starts for Mesh1_33:

(Start: 41 @32382 has 291 MA's), (Start: 70 @32493 has 1 MA's), (84, 32538), (125, 32637), (149, 32697), (161, 32733), (170, 32757), (189, 32802), (192, 32808), (215, 32859), (234, 32898), (235, 32901), (239, 32913), (244, 32928), (266, 32952), (274, 32985), (296, 33066), (304, 33111), (318, 33159), (330, 33195), (334, 33204), (336, 33210), (415, 33435),

Gene: Meyran_29 Start: 27126, Stop: 28187, Start Num: 75

Candidate Starts for Meyran_29:

(Start: 64 @27099 has 125 MA's), (Start: 75 @27126 has 1 MA's), (145, 27309), (203, 27456), (258, 27561), (286, 27642), (292, 27669), (295, 27684), (309, 27747), (323, 27807), (405, 28044),

Gene: MichaelPhcott_32 Start: 31972, Stop: 33132, Start Num: 41

Candidate Starts for MichaelPhcott_32:

(Start: 41 @31972 has 291 MA's), (Start: 70 @32083 has 1 MA's), (84, 32128), (125, 32227), (149, 32287), (161, 32323), (170, 32347), (189, 32392), (192, 32398), (215, 32449), (234, 32488), (235,

32491), (239, 32503), (266, 32542), (274, 32575), (296, 32656), (318, 32749), (330, 32785), (334, 32794), (336, 32800), (415, 33025),

Gene: MichelleMyBell_22 Start: 20029, Stop: 21114, Start Num: 64

Candidate Starts for MichelleMyBell_22:

(45, 19963), (Start: 64 @20029 has 125 MA's), (125, 20191), (166, 20302), (199, 20362), (222, 20407), (274, 20533), (278, 20542), (292, 20590),

Gene: Mikota_33 Start: 32355, Stop: 33515, Start Num: 41

Candidate Starts for Mikota_33:

(Start: 41 @32355 has 291 MA's), (Start: 70 @32466 has 1 MA's), (84, 32511), (125, 32610), (149, 32670), (161, 32706), (170, 32730), (189, 32775), (192, 32781), (215, 32832), (234, 32871), (235, 32874), (239, 32886), (244, 32901), (266, 32925), (274, 32958), (296, 33039), (304, 33084), (318, 33132), (330, 33168), (334, 33177), (336, 33183), (415, 33408),

Gene: Milly_25 Start: 21282, Stop: 22277, Start Num: 67

Candidate Starts for Milly_25:

(27, 21099), (40, 21198), (Start: 67 @21282 has 75 MA's), (94, 21363), (104, 21387), (130, 21447), (150, 21501), (152, 21507), (194, 21609), (196, 21612), (217, 21660), (221, 21666), (239, 21708), (274, 21732), (298, 21816), (316, 21900), (336, 21957), (427, 22254),

Gene: MiniBoss_33 Start: 32361, Stop: 33521, Start Num: 41

Candidate Starts for MiniBoss_33:

(Start: 41 @32361 has 291 MA's), (Start: 70 @32472 has 1 MA's), (84, 32517), (125, 32616), (149, 32676), (161, 32712), (170, 32736), (189, 32781), (192, 32787), (215, 32838), (234, 32877), (235, 32880), (239, 32892), (244, 32907), (266, 32931), (274, 32964), (296, 33045), (304, 33090), (318, 33138), (330, 33174), (334, 33183), (336, 33189), (415, 33414),

Gene: Miryou_27 Start: 23918, Stop: 24985, Start Num: 64

Candidate Starts for Miryou_27:

(Start: 64 @23918 has 125 MA's), (105, 24035), (129, 24092), (148, 24140), (150, 24146), (170, 24203), (172, 24206), (178, 24221), (190, 24248), (218, 24287), (220, 24290), (228, 24302), (229, 24305), (230, 24308), (235, 24323), (258, 24368), (260, 24374), (278, 24428), (292, 24476), (299, 24506), (310, 24551), (340, 24680), (353, 24734),

Gene: MissDaisy_29 Start: 24351, Stop: 25355, Start Num: 67

Candidate Starts for MissDaisy_29:

(Start: 67 @24351 has 75 MA's), (134, 24519), (150, 24564), (152, 24570), (171, 24624), (212, 24714), (224, 24735), (228, 24744), (296, 24876), (297, 24879), (328, 25002), (336, 25023), (421, 25290),

Gene: MitKao_33 Start: 32076, Stop: 33236, Start Num: 41

Candidate Starts for MitKao_33:

(Start: 41 @32076 has 291 MA's), (Start: 70 @32187 has 1 MA's), (84, 32232), (125, 32331), (149, 32391), (161, 32427), (170, 32451), (189, 32496), (192, 32502), (215, 32553), (234, 32592), (235, 32595), (239, 32607), (266, 32646), (274, 32679), (296, 32760), (318, 32853), (330, 32889), (334, 32898), (336, 32904), (415, 33129),

Gene: Mitti_29 Start: 24509, Stop: 25513, Start Num: 67

Candidate Starts for Mitti_29:

(Start: 67 @24509 has 75 MA's), (134, 24677), (150, 24722), (152, 24728), (171, 24782), (212, 24872), (224, 24893), (228, 24902), (296, 25034), (297, 25037), (313, 25112), (336, 25181), (411, 25391),

Gene: Morgushi_33 Start: 32077, Stop: 33237, Start Num: 41

Candidate Starts for Morgushi_33:

(Start: 41 @32077 has 291 MA's), (Start: 70 @32188 has 1 MA's), (84, 32233), (125, 32332), (149, 32392), (161, 32428), (170, 32452), (189, 32497), (192, 32503), (215, 32554), (234, 32593), (235, 32596), (239, 32608), (266, 32647), (274, 32680), (296, 32761), (304, 32806), (318, 32854), (330, 32890), (334, 32899), (336, 32905), (415, 33130),

Gene: Morty_33 Start: 32377, Stop: 33537, Start Num: 41

Candidate Starts for Morty_33:

(Start: 41 @32377 has 291 MA's), (Start: 70 @32488 has 1 MA's), (84, 32533), (125, 32632), (149, 32692), (161, 32728), (170, 32752), (189, 32797), (192, 32803), (215, 32854), (234, 32893), (235, 32896), (239, 32908), (266, 32947), (274, 32980), (296, 33061), (304, 33106), (318, 33154), (330, 33190), (334, 33199), (336, 33205), (415, 33430),

Gene: Mosaic_32 Start: 32082, Stop: 33242, Start Num: 41

Candidate Starts for Mosaic_32:

(Start: 41 @32082 has 291 MA's), (Start: 70 @32193 has 1 MA's), (84, 32238), (125, 32337), (149, 32397), (161, 32433), (170, 32457), (189, 32502), (192, 32508), (215, 32559), (234, 32598), (235, 32601), (239, 32613), (266, 32652), (274, 32685), (296, 32766), (318, 32859), (330, 32895), (334, 32904), (336, 32910), (415, 33135),

Gene: MrPhizzler_32 Start: 32085, Stop: 33245, Start Num: 41

Candidate Starts for MrPhizzler_32:

(Start: 41 @32085 has 291 MA's), (Start: 70 @32196 has 1 MA's), (84, 32241), (125, 32340), (149, 32400), (161, 32436), (170, 32460), (189, 32505), (192, 32511), (215, 32562), (234, 32601), (235, 32604), (239, 32616), (244, 32631), (266, 32655), (274, 32688), (296, 32769), (304, 32814), (318, 32862), (330, 32898), (334, 32907), (336, 32913), (415, 33138),

Gene: Muddy_25 Start: 21935, Stop: 22960, Start Num: 59

Candidate Starts for Muddy_25:

(Start: 59 @21935 has 2 MA's), (90, 22025), (160, 22181), (184, 22244), (186, 22247), (264, 22391), (274, 22427), (292, 22478), (301, 22535), (357, 22733), (375, 22772), (421, 22898),

Gene: Mufasa_25 Start: 21302, Stop: 22327, Start Num: 67

Candidate Starts for Mufasa_25:

(40, 21218), (Start: 67 @21302 has 75 MA's), (104, 21407), (130, 21467), (150, 21521), (152, 21527), (182, 21608), (185, 21614), (194, 21629), (196, 21632), (298, 21836), (426, 22295),

Gene: Mulan_32 Start: 32094, Stop: 33254, Start Num: 41

Candidate Starts for Mulan_32:

(Start: 41 @32094 has 291 MA's), (Start: 70 @32205 has 1 MA's), (84, 32250), (125, 32349), (149, 32409), (161, 32445), (170, 32469), (189, 32514), (192, 32520), (215, 32571), (234, 32610), (235, 32613), (239, 32625), (266, 32664), (274, 32697), (296, 32778), (304, 32823), (318, 32871), (330, 32907), (334, 32916), (336, 32922), (415, 33147),

Gene: Mulch_27 Start: 23315, Stop: 24382, Start Num: 67

Candidate Starts for Mulch_27:

(Start: 67 @23315 has 75 MA's), (151, 23525), (228, 23693), (286, 23834), (289, 23849), (292, 23861), (297, 23885), (314, 23969), (326, 24005), (354, 24116),

Gene: Murdoc_33 Start: 32369, Stop: 33529, Start Num: 41

Candidate Starts for Murdoc_33:

(Start: 41 @32369 has 291 MA's), (Start: 70 @32480 has 1 MA's), (84, 32525), (125, 32624), (149, 32684), (161, 32720), (170, 32744), (189, 32789), (192, 32795), (215, 32846), (234, 32885), (235, 32888), (239, 32900), (244, 32915), (266, 32939), (274, 32972), (296, 33053), (304, 33098), (318, 33146), (330, 33182), (334, 33191), (336, 33197), (415, 33422),

Gene: Murucutumbu_28 Start: 23275, Stop: 24288, Start Num: 65

Candidate Starts for Murucutumbu_28:

(Start: 65 @23275 has 91 MA's), (Start: 108 @23386 has 3 MA's), (152, 23500), (201, 23617), (221, 23659), (274, 23725), (296, 23803), (297, 23806), (318, 23899), (323, 23911), (328, 23929), (336, 23950), (372, 24064), (402, 24133), (423, 24229),

Gene: Mutante_32 Start: 32076, Stop: 33236, Start Num: 41

Candidate Starts for Mutante_32:

(Start: 41 @32076 has 291 MA's), (Start: 70 @32187 has 1 MA's), (84, 32232), (125, 32331), (149, 32391), (161, 32427), (170, 32451), (189, 32496), (192, 32502), (215, 32553), (234, 32592), (235, 32595), (239, 32607), (244, 32622), (266, 32646), (274, 32679), (296, 32760), (304, 32805), (318, 32853), (330, 32889), (334, 32898), (336, 32904), (415, 33129),

Gene: Mynx_28 Start: 23339, Stop: 24352, Start Num: 65

Candidate Starts for Mynx_28:

(13, 22895), (49, 23294), (Start: 65 @23339 has 91 MA's), (152, 23564), (201, 23681), (221, 23723), (228, 23735), (274, 23789), (296, 23867), (318, 23963), (323, 23975), (333, 24005), (336, 24014), (372, 24128), (402, 24197),

Gene: Nacho_0033 Start: 32371, Stop: 33531, Start Num: 41

Candidate Starts for Nacho_0033:

(Start: 41 @32371 has 291 MA's), (Start: 70 @32482 has 1 MA's), (84, 32527), (125, 32626), (149, 32686), (161, 32722), (170, 32746), (189, 32791), (192, 32797), (215, 32848), (234, 32887), (235, 32890), (239, 32902), (244, 32917), (266, 32941), (274, 32974), (296, 33055), (304, 33100), (318, 33148), (330, 33184), (334, 33193), (336, 33199), (415, 33424),

Gene: Nadeem_27 Start: 23315, Stop: 24382, Start Num: 67

Candidate Starts for Nadeem_27:

(Start: 67 @23315 has 75 MA's), (151, 23525), (228, 23693), (286, 23834), (289, 23849), (292, 23861), (297, 23885), (314, 23969), (354, 24116),

Gene: NancyRae_27 Start: 23321, Stop: 24388, Start Num: 67

Candidate Starts for NancyRae_27:

(Start: 67 @23321 has 75 MA's), (151, 23531), (228, 23699), (286, 23840), (289, 23855), (292, 23867), (297, 23891), (314, 23975), (326, 24011), (354, 24122),

Gene: NatB6_44 Start: 35025, Stop: 36083, Start Num: 64

Candidate Starts for NatB6_44:

(1, 33585), (2, 33882), (4, 34113), (11, 34482), (30, 34860), (33, 34875), (36, 34893), (Start: 64 @35025 has 125 MA's), (202, 35370), (225, 35421), (243, 35469),

Gene: Nazo_22 Start: 21497, Stop: 22546, Start Num: 64

Candidate Starts for Nazo_22:

(Start: 64 @21497 has 125 MA's), (73, 21518), (125, 21659), (137, 21689), (144, 21710), (169, 21773), (186, 21812), (269, 21971), (301, 22103), (330, 22199), (422, 22484),

Gene: Necropolis_22 Start: 21299, Stop: 22336, Start Num: 64

Candidate Starts for Necropolis_22:

(55, 21275), (Start: 62 @21296 has 8 MA's), (Start: 64 @21299 has 125 MA's), (74, 21323), (125, 21461), (140, 21503), (166, 21572), (199, 21632), (222, 21677), (239, 21722), (274, 21803), (292, 21860), (297, 21884), (323, 21989), (340, 22061), (355, 22106), (421, 22271),

Gene: Newman_33 Start: 32368, Stop: 33528, Start Num: 41

Candidate Starts for Newman_33:

(Start: 41 @32368 has 291 MA's), (Start: 70 @32479 has 1 MA's), (84, 32524), (125, 32623), (149, 32683), (161, 32719), (170, 32743), (189, 32788), (192, 32794), (215, 32845), (234, 32884), (235, 32887), (239, 32899), (244, 32914), (266, 32938), (274, 32971), (296, 33052), (304, 33097), (318, 33145), (330, 33181), (334, 33190), (336, 33196), (415, 33421),

Gene: Nibb_27 Start: 22603, Stop: 23589, Start Num: 67

Candidate Starts for Nibb_27:

(Start: 67 @22603 has 75 MA's), (106, 22708), (127, 22759), (133, 22771), (139, 22792), (140, 22798), (148, 22813), (158, 22840), (181, 22900), (194, 22927), (237, 23020), (243, 23032), (294, 23119), (297, 23131), (315, 23215), (328, 23254), (337, 23281), (359, 23350), (388, 23404),

Gene: Nicole21_33 Start: 32366, Stop: 33526, Start Num: 41

Candidate Starts for Nicole21_33:

(Start: 41 @32366 has 291 MA's), (Start: 70 @32477 has 1 MA's), (84, 32522), (125, 32621), (149, 32681), (161, 32717), (170, 32741), (189, 32786), (192, 32792), (215, 32843), (234, 32882), (235, 32885), (239, 32897), (244, 32912), (266, 32936), (274, 32969), (296, 33050), (304, 33095), (318, 33143), (330, 33179), (334, 33188), (336, 33194), (415, 33419),

Gene: Nikao_24 Start: 22900, Stop: 23907, Start Num: 67

Candidate Starts for Nikao_24:

(52, 22849), (54, 22861), (Start: 67 @22900 has 75 MA's), (87, 22960), (120, 23032), (139, 23086), (148, 23107), (201, 23236), (223, 23281), (225, 23284), (273, 23341), (274, 23344), (289, 23389), (297, 23425), (318, 23521), (323, 23533), (353, 23653), (412, 23785),

Gene: Niklas_28 Start: 22731, Stop: 23696, Start Num: 65

Candidate Starts for Niklas_28:

(Start: 65 @22731 has 91 MA's), (69, 22737), (126, 22890), (134, 22908), (139, 22926), (152, 22959), (165, 23001), (194, 23061), (201, 23076), (296, 23262), (297, 23265), (313, 23337), (336, 23406), (352, 23454), (358, 23469), (378, 23502), (392, 23541), (420, 23640),

Gene: NosilaM_48 Start: 35951, Stop: 37006, Start Num: 64

Candidate Starts for NosilaM_48:

(Start: 64 @35951 has 125 MA's), (143, 36164), (226, 36347), (323, 36635), (427, 36980),

Gene: NovumRegina_44 Start: 35355, Stop: 36413, Start Num: 64

Candidate Starts for NovumRegina_44:

(1, 33915), (2, 34212), (4, 34443), (11, 34812), (30, 35190), (33, 35205), (36, 35223), (Start: 64 @35355 has 125 MA's), (202, 35700), (225, 35751), (243, 35799),

Gene: Numberten_33 Start: 32375, Stop: 33535, Start Num: 41

Candidate Starts for Numberten_33:

(Start: 41 @32375 has 291 MA's), (Start: 70 @32486 has 1 MA's), (84, 32531), (125, 32630), (149, 32690), (161, 32726), (170, 32750), (189, 32795), (192, 32801), (215, 32852), (234, 32891), (235, 32894), (239, 32906), (266, 32945), (274, 32978), (296, 33059), (304, 33104), (318, 33152), (330, 33188), (334, 33197), (336, 33203), (415, 33428),

Gene: Nutello_24 Start: 22900, Stop: 23907, Start Num: 67

Candidate Starts for Nutello_24:

(52, 22849), (54, 22861), (Start: 67 @22900 has 75 MA's), (87, 22960), (120, 23032), (139, 23086), (148, 23107), (201, 23236), (223, 23281), (225, 23284), (273, 23341), (274, 23344), (289, 23389), (297, 23425), (318, 23521), (323, 23533), (353, 23653), (412, 23785),

Gene: Nyala_32 Start: 32068, Stop: 33228, Start Num: 41

Candidate Starts for Nyala_32:

(Start: 41 @32068 has 291 MA's), (Start: 70 @32179 has 1 MA's), (84, 32224), (125, 32323), (149, 32383), (161, 32419), (170, 32443), (189, 32488), (192, 32494), (215, 32545), (234, 32584), (235, 32587), (239, 32599), (244, 32614), (266, 32638), (274, 32671), (296, 32752), (304, 32797), (318, 32845), (330, 32881), (334, 32890), (336, 32896), (415, 33121),

Gene: Nyceirae_31 Start: 26839, Stop: 27909, Start Num: 64

Candidate Starts for Nyceirae_31:

(Start: 64 @26839 has 125 MA's), (89, 26920), (100, 26944), (145, 27049), (165, 27106), (173, 27127), (195, 27175), (258, 27301), (274, 27352), (292, 27409), (295, 27424), (323, 27541),

Gene: OSmaximus_33 Start: 32410, Stop: 33570, Start Num: 41

Candidate Starts for OSmaximus_33:

(Start: 41 @32410 has 291 MA's), (Start: 70 @32521 has 1 MA's), (84, 32566), (125, 32665), (149, 32725), (161, 32761), (170, 32785), (189, 32830), (192, 32836), (215, 32887), (234, 32926), (235, 32929), (239, 32941), (244, 32956), (266, 32980), (274, 33013), (296, 33094), (304, 33139), (318, 33187), (330, 33223), (334, 33232), (336, 33238), (415, 33463),

Gene: OkiRoe_27 Start: 23934, Stop: 25001, Start Num: 64

Candidate Starts for OkiRoe_27:

(Start: 64 @23934 has 125 MA's), (105, 24051), (129, 24108), (148, 24156), (150, 24162), (172, 24222), (178, 24237), (190, 24264), (218, 24303), (220, 24306), (228, 24318), (229, 24321), (230, 24324), (235, 24339), (258, 24384), (260, 24390), (278, 24444), (292, 24492), (299, 24522), (310, 24567), (340, 24696), (353, 24750),

Gene: Olak_32 Start: 32072, Stop: 33232, Start Num: 41

Candidate Starts for Olak_32:

(Start: 41 @32072 has 291 MA's), (Start: 70 @32183 has 1 MA's), (84, 32228), (125, 32327), (149, 32387), (161, 32423), (170, 32447), (189, 32492), (192, 32498), (215, 32549), (234, 32588), (235, 32591), (239, 32603), (244, 32618), (266, 32642), (274, 32675), (296, 32756), (304, 32801), (318, 32849), (330, 32885), (334, 32894), (336, 32900), (415, 33125),

Gene: Oline_32 Start: 31937, Stop: 33097, Start Num: 41

Candidate Starts for Oline_32:

(Start: 41 @31937 has 291 MA's), (Start: 70 @32048 has 1 MA's), (84, 32093), (125, 32192), (149, 32252), (161, 32288), (170, 32312), (189, 32357), (192, 32363), (215, 32414), (234, 32453), (235, 32456), (239, 32468), (266, 32507), (274, 32540), (296, 32621), (318, 32714), (330, 32750), (334, 32759), (336, 32765), (415, 32990),

Gene: Olive_33 Start: 32358, Stop: 33518, Start Num: 41

Candidate Starts for Olive_33:

(Start: 41 @32358 has 291 MA's), (Start: 70 @32469 has 1 MA's), (84, 32514), (125, 32613), (149, 32673), (161, 32709), (170, 32733), (189, 32778), (192, 32784), (215, 32835), (234, 32874), (235, 32877), (239, 32889), (266, 32928), (274, 32961), (296, 33042), (304, 33087), (318, 33135), (330, 33171), (334, 33180), (336, 33186), (415, 33411),

Gene: OliverWalter_33 Start: 32380, Stop: 33540, Start Num: 41

Candidate Starts for OliverWalter_33:

(Start: 41 @32380 has 291 MA's), (Start: 70 @32491 has 1 MA's), (84, 32536), (125, 32635), (149, 32695), (161, 32731), (170, 32755), (189, 32800), (192, 32806), (215, 32857), (234, 32896), (235, 32899), (239, 32911), (244, 32926), (266, 32950), (274, 32983), (296, 33064), (304, 33109), (318, 33157), (330, 33193), (334, 33202), (336, 33208), (415, 33433),

Gene: OmniCritical_29 Start: 24494, Stop: 25498, Start Num: 67

Candidate Starts for OmniCritical_29:

(Start: 67 @24494 has 75 MA's), (134, 24662), (150, 24707), (152, 24713), (171, 24767), (176, 24776), (212, 24857), (224, 24878), (226, 24884), (228, 24887), (296, 25019), (297, 25022), (328, 25145), (411, 25376),

Gene: Omnicron_28 Start: 22797, Stop: 23876, Start Num: 64

Candidate Starts for Omnicron_28:

(Start: 64 @22797 has 125 MA's), (Start: 75 @22824 has 1 MA's), (129, 22971), (132, 22977), (150, 23025), (164, 23064), (170, 23082), (178, 23100), (218, 23166), (235, 23202), (243, 23226), (245, 23232), (284, 23325), (306, 23427), (316, 23472), (334, 23517), (335, 23520), (338, 23538), (341, 23559), (350, 23601), (357, 23619), (397, 23715), (398, 23718), (429, 23859),

Gene: Omniscient_33 Start: 32377, Stop: 33537, Start Num: 41

Candidate Starts for Omniscient_33:

(Start: 41 @32377 has 291 MA's), (Start: 70 @32488 has 1 MA's), (84, 32533), (125, 32632), (149, 32692), (161, 32728), (170, 32752), (189, 32797), (192, 32803), (215, 32854), (234, 32893), (235, 32896), (239, 32908), (244, 32923), (266, 32947), (274, 32980), (296, 33061), (304, 33106), (318, 33154), (330, 33190), (334, 33199), (336, 33205), (415, 33430),

Gene: Oosterbaan_33 Start: 32368, Stop: 33528, Start Num: 41

Candidate Starts for Oosterbaan_33:

(Start: 41 @32368 has 291 MA's), (Start: 70 @32479 has 1 MA's), (84, 32524), (125, 32623), (149, 32683), (161, 32719), (170, 32743), (189, 32788), (192, 32794), (215, 32845), (234, 32884), (235, 32887), (239, 32899), (244, 32914), (266, 32938), (274, 32971), (296, 33052), (304, 33097), (318, 33145), (330, 33181), (334, 33190), (336, 33196), (415, 33421),

Gene: Opia_33 Start: 32684, Stop: 33847, Start Num: 41

Candidate Starts for Opia_33:

(24, 32537), (Start: 39 @32678 has 9 MA's), (Start: 41 @32684 has 291 MA's), (45, 32723), (53, 32753), (Start: 70 @32798 has 1 MA's), (84, 32843), (125, 32942), (149, 33002), (161, 33038), (170, 33062), (189, 33107), (192, 33113), (215, 33164), (234, 33203), (235, 33206), (239, 33218), (244, 33233), (266, 33257), (274, 33290), (296, 33371), (318, 33464), (330, 33500), (334, 33509), (336, 33515), (415, 33740),

Gene: Orfeu_32 Start: 32076, Stop: 33236, Start Num: 41

Candidate Starts for Orfeu_32:

(Start: 41 @32076 has 291 MA's), (Start: 70 @32187 has 1 MA's), (84, 32232), (125, 32331), (149, 32391), (161, 32427), (170, 32451), (189, 32496), (192, 32502), (215, 32553), (234, 32592), (235, 32595), (239, 32607), (244, 32622), (266, 32646), (274, 32679), (296, 32760), (304, 32805), (318, 32853), (330, 32889), (334, 32898), (336, 32904), (415, 33129),

Gene: Orion_33 Start: 32366, Stop: 33526, Start Num: 41

Candidate Starts for Orion_33:

(Start: 41 @32366 has 291 MA's), (Start: 70 @32477 has 1 MA's), (84, 32522), (125, 32621), (149, 32681), (161, 32717), (170, 32741), (189, 32786), (192, 32792), (215, 32843), (234, 32882), (235, 32885), (239, 32897), (244, 32912), (266, 32936), (274, 32969), (296, 33050), (304, 33095), (318,

33143), (330, 33179), (334, 33188), (336, 33194), (415, 33419),

Gene: Orwigg_33 Start: 32064, Stop: 33224, Start Num: 41

Candidate Starts for Orwigg_33:

(Start: 41 @32064 has 291 MA's), (Start: 70 @32175 has 1 MA's), (84, 32220), (125, 32319), (149, 32379), (161, 32415), (170, 32439), (189, 32484), (192, 32490), (215, 32541), (234, 32580), (235, 32583), (239, 32595), (244, 32610), (266, 32634), (274, 32667), (296, 32748), (304, 32793), (318, 32841), (330, 32877), (334, 32886), (336, 32892), (415, 33117),

Gene: Oscar_27 Start: 22584, Stop: 23552, Start Num: 67

Candidate Starts for Oscar_27:

(Start: 67 @22584 has 75 MA's), (130, 22746), (133, 22752), (139, 22773), (140, 22779), (158, 22821), (175, 22866), (194, 22908), (201, 22923), (275, 23031), (298, 23115), (394, 23391),

Gene: Outis_46 Start: 35932, Stop: 36987, Start Num: 64

Candidate Starts for Outis_46:

(47, 35869), (Start: 64 @35932 has 125 MA's), (143, 36145), (214, 36304), (226, 36328), (323, 36616), (421, 36916), (427, 36961),

Gene: PG1_33 Start: 32379, Stop: 33539, Start Num: 41

Candidate Starts for PG1_33:

(Start: 41 @32379 has 291 MA's), (Start: 70 @32490 has 1 MA's), (84, 32535), (125, 32634), (149, 32694), (161, 32730), (170, 32754), (189, 32799), (192, 32805), (215, 32856), (234, 32895), (235, 32898), (239, 32910), (244, 32925), (266, 32949), (274, 32982), (296, 33063), (304, 33108), (318, 33156), (330, 33192), (334, 33201), (336, 33207), (415, 33432),

Gene: Pacifista_32 Start: 32070, Stop: 33230, Start Num: 41

Candidate Starts for Pacifista_32:

(Start: 41 @32070 has 291 MA's), (Start: 70 @32181 has 1 MA's), (84, 32226), (125, 32325), (149, 32385), (161, 32421), (170, 32445), (189, 32490), (192, 32496), (215, 32547), (234, 32586), (235, 32589), (239, 32601), (244, 32616), (266, 32640), (274, 32673), (296, 32754), (304, 32799), (318, 32847), (330, 32883), (334, 32892), (336, 32898), (415, 33123),

Gene: Padfoot_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Padfoot_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (Start: 108 @23467 has 3 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (323, 23992), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Padpat_28 Start: 23316, Stop: 24329, Start Num: 65

Candidate Starts for Padpat_28:

(13, 22872), (49, 23271), (Start: 65 @23316 has 91 MA's), (152, 23541), (201, 23658), (221, 23700), (228, 23712), (274, 23766), (296, 23844), (318, 23940), (323, 23952), (333, 23982), (336, 23991), (372, 24105), (402, 24174),

Gene: Panchino_21 Start: 20180, Stop: 21217, Start Num: 64

Candidate Starts for Panchino_21:

(Start: 64 @20180 has 125 MA's), (123, 20336), (125, 20342), (165, 20450), (172, 20468), (222, 20558), (239, 20603), (274, 20684), (297, 20765), (316, 20852), (323, 20870), (340, 20942), (355, 20987), (421, 21152),

Gene: Paola_27 Start: 23933, Stop: 25000, Start Num: 64

Candidate Starts for Paola_27:

(Start: 64 @23933 has 125 MA's), (105, 24050), (129, 24107), (148, 24155), (150, 24161), (170, 24218), (172, 24221), (178, 24236), (190, 24263), (218, 24302), (220, 24305), (228, 24317), (229, 24320), (230, 24323), (235, 24338), (258, 24383), (260, 24389), (278, 24443), (292, 24491), (299, 24521), (310, 24566), (340, 24695), (353, 24749),

Gene: Parada_27 Start: 23315, Stop: 24382, Start Num: 67

Candidate Starts for Parada_27:

(Start: 67 @23315 has 75 MA's), (151, 23525), (228, 23693), (286, 23834), (289, 23849), (292, 23861), (297, 23885), (314, 23969), (326, 24005), (354, 24116),

Gene: Patience_38 Start: 32593, Stop: 33633, Start Num: 68

Candidate Starts for Patience_38:

(Start: 68 @32593 has 4 MA's), (90, 32671), (124, 32749), (225, 32962), (228, 32968), (264, 33046), (292, 33139), (298, 33166),

Gene: Patio_48 Start: 36198, Stop: 37259, Start Num: 64

Candidate Starts for Patio_48:

(Start: 64 @36198 has 125 MA's), (134, 36384), (213, 36570), (214, 36573), (298, 36783),

Gene: Patt_29 Start: 24327, Stop: 25331, Start Num: 67

Candidate Starts for Patt_29:

(Start: 67 @24327 has 75 MA's), (134, 24495), (150, 24540), (152, 24546), (171, 24600), (212, 24690), (224, 24711), (228, 24720), (296, 24852), (297, 24855), (334, 24993), (346, 25062),

Gene: Peanam_28 Start: 22728, Stop: 23693, Start Num: 65

Candidate Starts for Peanam_28:

(Start: 65 @22728 has 91 MA's), (69, 22734), (126, 22887), (134, 22905), (139, 22923), (152, 22956), (165, 22998), (194, 23058), (201, 23073), (228, 23127), (296, 23259), (297, 23262), (313, 23334), (336, 23403), (352, 23451), (358, 23466), (378, 23499), (392, 23538), (420, 23637),

Gene: Peel_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Peel_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: PegLeg_31 Start: 26991, Stop: 28046, Start Num: 64

Candidate Starts for PegLeg_31:

(Start: 64 @26991 has 125 MA's), (144, 27204), (160, 27240), (184, 27303), (229, 27375), (239, 27405), (246, 27426), (267, 27462), (278, 27498), (292, 27546), (296, 27567), (298, 27573), (301, 27603), (302, 27606), (315, 27654), (375, 27843), (383, 27864), (409, 27918),

Gene: Phalm_22 Start: 21561, Stop: 22601, Start Num: 61

Candidate Starts for Phalm_22:

(Start: 61 @21561 has 8 MA's), (123, 21720), (125, 21726), (140, 21768), (165, 21834), (166, 21837), (199, 21897), (222, 21942), (239, 21987), (274, 22068), (292, 22125), (297, 22149), (323, 22254), (340, 22326), (355, 22371),

Gene: Phamished_33 Start: 32374, Stop: 33534, Start Num: 41

Candidate Starts for Phamished_33:

(Start: 41 @32374 has 291 MA's), (Start: 70 @32485 has 1 MA's), (84, 32530), (125, 32629), (149, 32689), (161, 32725), (170, 32749), (189, 32794), (192, 32800), (215, 32851), (234, 32890), (235, 32893), (239, 32905), (244, 32920), (266, 32944), (274, 32977), (296, 33058), (304, 33103), (318,

33151), (330, 33187), (334, 33196), (336, 33202), (415, 33427),

Gene: Phantasmagoria_33 Start: 32695, Stop: 33858, Start Num: 41

Candidate Starts for Phantasmagoria_33:

(Start: 39 @32689 has 9 MA's), (Start: 41 @32695 has 291 MA's), (45, 32734), (53, 32764), (Start: 70 @32809 has 1 MA's), (84, 32854), (125, 32953), (149, 33013), (161, 33049), (170, 33073), (189, 33118), (192, 33124), (215, 33175), (234, 33214), (235, 33217), (239, 33229), (244, 33244), (266, 33268), (274, 33301), (296, 33382), (304, 33427), (318, 33475), (330, 33511), (334, 33520), (336, 33526), (415, 33751),

Gene: Pharb_27 Start: 23529, Stop: 24596, Start Num: 64

Candidate Starts for Pharb_27:

(Start: 64 @23529 has 125 MA's), (79, 23565), (Start: 80 @23568 has 3 MA's), (Start: 108 @23634 has 3 MA's), (120, 23661), (138, 23709), (148, 23736), (152, 23748), (160, 23769), (185, 23835), (228, 23919), (262, 23976), (263, 23979), (296, 24111), (297, 24114), (301, 24147), (308, 24162), (335, 24255), (354, 24345),

Gene: Phareon_33 Start: 32078, Stop: 33238, Start Num: 41

Candidate Starts for Phareon_33:

(Start: 41 @32078 has 291 MA's), (Start: 70 @32189 has 1 MA's), (84, 32234), (125, 32333), (149, 32393), (161, 32429), (170, 32453), (189, 32498), (192, 32504), (215, 32555), (234, 32594), (235, 32597), (239, 32609), (244, 32624), (266, 32648), (274, 32681), (296, 32762), (304, 32807), (318, 32855), (330, 32891), (334, 32900), (336, 32906), (415, 33131),

Gene: PhatCats2014_33 Start: 32383, Stop: 33543, Start Num: 41

Candidate Starts for PhatCats2014_33:

(Start: 41 @32383 has 291 MA's), (Start: 70 @32494 has 1 MA's), (84, 32539), (125, 32638), (149, 32698), (161, 32734), (170, 32758), (189, 32803), (192, 32809), (215, 32860), (234, 32899), (235, 32902), (239, 32914), (244, 32929), (266, 32953), (274, 32986), (296, 33067), (304, 33112), (318, 33160), (330, 33196), (334, 33205), (336, 33211), (415, 33436),

Gene: PhatLouie_33 Start: 32372, Stop: 33532, Start Num: 41

Candidate Starts for PhatLouie_33:

(Start: 41 @32372 has 291 MA's), (Start: 70 @32483 has 1 MA's), (84, 32528), (125, 32627), (149, 32687), (161, 32723), (170, 32747), (189, 32792), (192, 32798), (215, 32849), (234, 32888), (235, 32891), (239, 32903), (266, 32942), (274, 32975), (296, 33056), (318, 33149), (330, 33185), (334, 33194), (336, 33200), (415, 33425),

Gene: Phayonce_22 Start: 21448, Stop: 22485, Start Num: 64

Candidate Starts for Phayonce_22:

(Start: 64 @21448 has 125 MA's), (125, 21610), (144, 21661), (160, 21697), (169, 21724), (199, 21772), (229, 21829), (241, 21865), (296, 22018), (301, 22054), (323, 22126), (357, 22261), (383, 22315), (416, 22393),

Gene: Phegasus_22 Start: 21305, Stop: 22342, Start Num: 64

Candidate Starts for Phegasus_22:

(55, 21281), (Start: 62 @21302 has 8 MA's), (Start: 64 @21305 has 125 MA's), (74, 21329), (125, 21467), (140, 21509), (166, 21578), (199, 21638), (222, 21683), (239, 21728), (274, 21809), (292, 21866), (297, 21890), (323, 21995), (340, 22067), (355, 22112), (421, 22277),

Gene: PhelpsODU_28 Start: 22720, Stop: 23781, Start Num: 67

Candidate Starts for PhelpsODU_28:

(40, 22630), (50, 22687), (Start: 67 @22720 has 75 MA's), (104, 22819), (148, 22927), (152, 22939), (160, 22960), (201, 23056), (263, 23170), (273, 23221), (301, 23338), (378, 23581), (384, 23599), (402, 23638),

Gene: PhenghisKhan_32 Start: 31978, Stop: 33138, Start Num: 41

Candidate Starts for PhenghisKhan_32:

(Start: 41 @31978 has 291 MA's), (Start: 70 @32089 has 1 MA's), (84, 32134), (125, 32233), (149, 32293), (161, 32329), (170, 32353), (189, 32398), (192, 32404), (215, 32455), (234, 32494), (235, 32497), (239, 32509), (266, 32548), (274, 32581), (296, 32662), (318, 32755), (330, 32791), (334, 32800), (336, 32806), (415, 33031),

Gene: Pherdinand_33 Start: 32374, Stop: 33534, Start Num: 41

Candidate Starts for Pherdinand_33:

(Start: 41 @32374 has 291 MA's), (Start: 70 @32485 has 1 MA's), (84, 32530), (125, 32629), (149, 32689), (161, 32725), (170, 32749), (189, 32794), (192, 32800), (215, 32851), (234, 32890), (235, 32893), (239, 32905), (244, 32920), (266, 32944), (274, 32977), (296, 33058), (304, 33103), (318, 33151), (330, 33187), (334, 33196), (336, 33202), (415, 33427),

Gene: Phergie_32 Start: 31969, Stop: 33129, Start Num: 41

Candidate Starts for Phergie_32:

(Start: 41 @31969 has 291 MA's), (Start: 70 @32080 has 1 MA's), (84, 32125), (125, 32224), (149, 32284), (161, 32320), (170, 32344), (189, 32389), (192, 32395), (215, 32446), (234, 32485), (235, 32488), (239, 32500), (266, 32539), (274, 32572), (296, 32653), (318, 32746), (330, 32782), (334, 32791), (336, 32797), (415, 33022),

Gene: Phineas_22 Start: 21670, Stop: 22707, Start Num: 64

Candidate Starts for Phineas_22:

(Start: 64 @21670 has 125 MA's), (125, 21835), (140, 21877), (165, 21943), (166, 21946), (172, 21961), (222, 22048), (239, 22093), (274, 22174), (292, 22231), (297, 22255), (323, 22360), (340, 22432), (355, 22477),

Gene: Phipps_33 Start: 32345, Stop: 33505, Start Num: 41

Candidate Starts for Phipps_33:

(Start: 41 @32345 has 291 MA's), (Start: 70 @32456 has 1 MA's), (84, 32501), (125, 32600), (149, 32660), (161, 32696), (170, 32720), (189, 32765), (192, 32771), (215, 32822), (234, 32861), (235, 32864), (239, 32876), (266, 32915), (274, 32948), (296, 33029), (304, 33074), (318, 33122), (330, 33158), (334, 33167), (336, 33173), (415, 33398),

Gene: Phishy_30 Start: 26793, Stop: 27842, Start Num: 64

Candidate Starts for Phishy_30:

(Start: 64 @26793 has 125 MA's), (145, 27003), (173, 27081), (225, 27189), (286, 27339), (288, 27351), (292, 27366), (338, 27543), (359, 27618),

Gene: Phleuron_32 Start: 31975, Stop: 33135, Start Num: 41

Candidate Starts for Phleuron_32:

(Start: 41 @31975 has 291 MA's), (Start: 70 @32086 has 1 MA's), (84, 32131), (125, 32230), (149, 32290), (161, 32326), (170, 32350), (189, 32395), (192, 32401), (215, 32452), (234, 32491), (235, 32494), (239, 32506), (266, 32545), (274, 32578), (296, 32659), (304, 32704), (318, 32752), (330, 32788), (334, 32797), (336, 32803), (415, 33028),

Gene: Phomeo_43 Start: 35624, Stop: 36682, Start Num: 64

Candidate Starts for Phomeo_43:

(1, 34184), (2, 34481), (4, 34712), (11, 35081), (30, 35459), (33, 35474), (36, 35492), (Start: 64 @35624 has 125 MA's), (202, 35969), (225, 36020), (243, 36068),

Gene: Phrank_28 Start: 22670, Stop: 23731, Start Num: 67

Candidate Starts for Phrank_28:

(Start: 67 @22670 has 75 MA's), (95, 22748), (96, 22751), (104, 22769), (148, 22877), (158, 22904), (160, 22910), (201, 23006), (206, 23018), (263, 23120), (273, 23171), (301, 23288), (378, 23531), (384, 23549), (402, 23588),

Gene: PhrankReynolds_32 Start: 31975, Stop: 33135, Start Num: 41

Candidate Starts for PhrankReynolds_32:

(Start: 41 @31975 has 291 MA's), (Start: 70 @32086 has 1 MA's), (84, 32131), (125, 32230), (149, 32290), (161, 32326), (170, 32350), (189, 32395), (192, 32401), (215, 32452), (234, 32491), (235, 32494), (239, 32506), (266, 32545), (274, 32578), (296, 32659), (318, 32752), (330, 32788), (334, 32797), (336, 32803), (415, 33028),

Gene: Phrann_21 Start: 20409, Stop: 21479, Start Num: 62

Candidate Starts for Phrann_21:

(Start: 62 @20409 has 8 MA's), (Start: 64 @20412 has 125 MA's), (125, 20574), (140, 20616), (166, 20685), (199, 20745), (222, 20790), (239, 20835), (272, 20904), (274, 20916), (292, 20973), (297, 20997), (339, 21168),

Gene: PhrodoBaggins_32 Start: 32362, Stop: 33522, Start Num: 41

Candidate Starts for PhrodoBaggins_32:

(Start: 41 @32362 has 291 MA's), (Start: 70 @32473 has 1 MA's), (84, 32518), (125, 32617), (149, 32677), (161, 32713), (170, 32737), (189, 32782), (192, 32788), (215, 32839), (234, 32878), (235, 32881), (239, 32893), (266, 32932), (274, 32965), (296, 33046), (304, 33091), (318, 33139), (330, 33175), (334, 33184), (336, 33190), (415, 33415),

Gene: Phunky_33 Start: 32375, Stop: 33535, Start Num: 41

Candidate Starts for Phunky_33:

(Start: 41 @32375 has 291 MA's), (Start: 70 @32486 has 1 MA's), (84, 32531), (125, 32630), (149, 32690), (161, 32726), (170, 32750), (189, 32795), (192, 32801), (215, 32852), (234, 32891), (235, 32894), (239, 32906), (244, 32921), (266, 32945), (274, 32978), (296, 33059), (304, 33104), (318, 33152), (330, 33188), (334, 33197), (336, 33203), (415, 33428),

Gene: Piatt_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Piatt_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (Start: 108 @23467 has 3 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (323, 23992), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Piglet_0032 Start: 32482, Stop: 33642, Start Num: 41

Candidate Starts for Piglet_0032:

(Start: 41 @32482 has 291 MA's), (Start: 70 @32593 has 1 MA's), (84, 32638), (125, 32737), (149, 32797), (161, 32833), (170, 32857), (189, 32902), (192, 32908), (215, 32959), (234, 32998), (235, 33001), (239, 33013), (244, 33028), (266, 33052), (274, 33085), (296, 33166), (304, 33211), (318, 33259), (330, 33295), (334, 33304), (336, 33310), (415, 33535),

Gene: Pimento_27 Start: 22790, Stop: 23857, Start Num: 64

Candidate Starts for Pimento_27:

(38, 22655), (Start: 64 @22790 has 125 MA's), (157, 23009), (199, 23111), (222, 23153), (228, 23165), (286, 23309), (292, 23336), (297, 23360), (327, 23483), (347, 23573), (354, 23591),

Gene: PinheadLarry_33 Start: 32088, Stop: 33248, Start Num: 41

Candidate Starts for PinheadLarry_33:

(Start: 41 @32088 has 291 MA's), (Start: 70 @32199 has 1 MA's), (84, 32244), (125, 32343), (149, 32403), (161, 32439), (170, 32463), (189, 32508), (192, 32514), (215, 32565), (234, 32604), (235, 32607), (239, 32619), (266, 32658), (274, 32691), (296, 32772), (304, 32817), (318, 32865), (330, 32901), (334, 32910), (336, 32916), (415, 33141),

Gene: Pinkman_32 Start: 31931, Stop: 33091, Start Num: 41

Candidate Starts for Pinkman_32:

(Start: 41 @31931 has 291 MA's), (Start: 70 @32042 has 1 MA's), (84, 32087), (125, 32186), (149, 32246), (161, 32282), (170, 32306), (189, 32351), (192, 32357), (215, 32408), (234, 32447), (235, 32450), (239, 32462), (244, 32477), (266, 32501), (274, 32534), (296, 32615), (304, 32660), (318, 32708), (330, 32744), (334, 32753), (336, 32759), (415, 32984),

Gene: Pipsqueak_33 Start: 32373, Stop: 33533, Start Num: 41

Candidate Starts for Pipsqueak_33:

(Start: 41 @32373 has 291 MA's), (Start: 70 @32484 has 1 MA's), (84, 32529), (125, 32628), (149, 32688), (161, 32724), (170, 32748), (189, 32793), (192, 32799), (215, 32850), (234, 32889), (235, 32892), (239, 32904), (244, 32919), (266, 32943), (274, 32976), (296, 33057), (304, 33102), (318, 33150), (330, 33186), (334, 33195), (336, 33201), (415, 33426),

Gene: Pixie_28 Start: 23724, Stop: 24788, Start Num: 67

Candidate Starts for Pixie_28:

(9, 23172), (12, 23238), (14, 23301), (15, 23313), (16, 23334), (19, 23376), (27, 23535), (40, 23634), (50, 23691), (Start: 67 @23724 has 75 MA's), (120, 23856), (122, 23862), (148, 23931), (150, 23937), (171, 23997), (181, 24018), (187, 24033), (226, 24111), (296, 24303), (301, 24339), (314, 24387), (328, 24429), (365, 24555),

Gene: Placalicious_32 Start: 32066, Stop: 33226, Start Num: 41

Candidate Starts for Placalicious_32:

(Start: 41 @32066 has 291 MA's), (Start: 70 @32177 has 1 MA's), (84, 32222), (125, 32321), (149, 32381), (161, 32417), (170, 32441), (189, 32486), (192, 32492), (215, 32543), (234, 32582), (235, 32585), (239, 32597), (244, 32612), (266, 32636), (274, 32669), (296, 32750), (304, 32795), (318, 32843), (330, 32879), (334, 32888), (336, 32894), (415, 33119),

Gene: Pleakley_53 Start: 35398, Stop: 36480, Start Num: 64

Candidate Starts for Pleakley_53:

(Start: 64 @35398 has 125 MA's), (105, 35515), (193, 35743), (231, 35827), (233, 35833), (261, 35872), (266, 35887), (279, 35929), (319, 36094), (384, 36274), (421, 36412),

Gene: Plmatters_33 Start: 32372, Stop: 33532, Start Num: 41

Candidate Starts for Plmatters_33:

(Start: 41 @32372 has 291 MA's), (Start: 70 @32483 has 1 MA's), (84, 32528), (125, 32627), (149, 32687), (161, 32723), (170, 32747), (189, 32792), (192, 32798), (215, 32849), (234, 32888), (235, 32891), (239, 32903), (266, 32942), (274, 32975), (296, 33056), (304, 33101), (318, 33149), (330, 33185), (334, 33194), (336, 33200), (415, 33425),

Gene: Podrick_33 Start: 32363, Stop: 33523, Start Num: 41

Candidate Starts for Podrick_33:

(Start: 41 @32363 has 291 MA's), (Start: 70 @32474 has 1 MA's), (84, 32519), (125, 32618), (149, 32678), (161, 32714), (170, 32738), (189, 32783), (192, 32789), (215, 32840), (234, 32879), (235, 32882), (239, 32894), (266, 32933), (274, 32966), (296, 33047), (304, 33092), (318, 33140), (330,

33176), (334, 33185), (336, 33191), (415, 33416),

Gene: Pokerus_27 Start: 23273, Stop: 24286, Start Num: 65

Candidate Starts for Pokerus_27:

(13, 22829), (49, 23228), (Start: 65 @23273 has 91 MA's), (Start: 108 @23384 has 3 MA's), (152, 23498), (201, 23615), (221, 23657), (228, 23669), (274, 23723), (296, 23801), (318, 23897), (323, 23909), (333, 23939), (336, 23948), (372, 24062), (402, 24131),

Gene: Polkaroo_22 Start: 21315, Stop: 22352, Start Num: 64

Candidate Starts for Polkaroo_22:

(55, 21291), (Start: 62 @21312 has 8 MA's), (Start: 64 @21315 has 125 MA's), (74, 21339), (125, 21477), (140, 21519), (166, 21588), (199, 21648), (222, 21693), (239, 21738), (274, 21819), (292, 21876), (297, 21900), (323, 22005), (340, 22077), (355, 22122), (421, 22287),

Gene: Pops_33 Start: 32387, Stop: 33547, Start Num: 41

Candidate Starts for Pops_33:

(Start: 41 @32387 has 291 MA's), (Start: 70 @32498 has 1 MA's), (84, 32543), (125, 32642), (149, 32702), (161, 32738), (170, 32762), (189, 32807), (192, 32813), (215, 32864), (234, 32903), (235, 32906), (239, 32918), (244, 32933), (266, 32957), (274, 32990), (296, 33071), (304, 33116), (318, 33164), (330, 33200), (334, 33209), (336, 33215), (415, 33440),

Gene: Potter_32 Start: 32087, Stop: 33247, Start Num: 41

Candidate Starts for Potter_32:

(Start: 41 @32087 has 291 MA's), (Start: 70 @32198 has 1 MA's), (84, 32243), (125, 32342), (149, 32402), (161, 32438), (170, 32462), (189, 32507), (192, 32513), (215, 32564), (234, 32603), (235, 32606), (239, 32618), (266, 32657), (274, 32690), (296, 32771), (318, 32864), (330, 32900), (334, 32909), (336, 32915), (415, 33140),

Gene: Prickles_33 Start: 32363, Stop: 33523, Start Num: 41

Candidate Starts for Prickles_33:

(Start: 41 @32363 has 291 MA's), (Start: 70 @32474 has 1 MA's), (84, 32519), (125, 32618), (149, 32678), (161, 32714), (170, 32738), (189, 32783), (192, 32789), (215, 32840), (234, 32879), (235, 32882), (239, 32894), (244, 32909), (266, 32933), (274, 32966), (296, 33047), (304, 33092), (318, 33140), (330, 33176), (334, 33185), (336, 33191), (415, 33416),

Gene: Prithvi_28 Start: 23290, Stop: 24303, Start Num: 65

Candidate Starts for Prithvi_28:

(49, 23245), (Start: 65 @23290 has 91 MA's), (Start: 108 @23401 has 3 MA's), (152, 23515), (201, 23632), (221, 23674), (228, 23686), (274, 23740), (296, 23818), (314, 23902), (318, 23914), (323, 23926), (336, 23965), (423, 24244),

Gene: ProfessorX_33 Start: 32358, Stop: 33518, Start Num: 41

Candidate Starts for ProfessorX_33:

(Start: 41 @32358 has 291 MA's), (Start: 70 @32469 has 1 MA's), (84, 32514), (125, 32613), (149, 32673), (161, 32709), (170, 32733), (189, 32778), (192, 32784), (215, 32835), (234, 32874), (235, 32877), (239, 32889), (266, 32928), (274, 32961), (296, 33042), (304, 33087), (318, 33135), (330, 33171), (334, 33180), (336, 33186), (415, 33411),

Gene: Psycho_28 Start: 24008, Stop: 25072, Start Num: 64

Candidate Starts for Psycho_28:

(Start: 64 @24008 has 125 MA's), (93, 24098), (107, 24128), (129, 24182), (132, 24188), (150, 24236), (164, 24275), (170, 24293), (172, 24296), (218, 24377), (239, 24425), (245, 24443), (297, 24584), (316, 24674), (317, 24677), (318, 24680), (329, 24713), (334, 24725), (351, 24812), (352,

24815), (395, 24911), (424, 25028),

Gene: Puhltonio_33 Start: 32379, Stop: 33539, Start Num: 41

Candidate Starts for Puhltonio_33:

(Start: 41 @32379 has 291 MA's), (Start: 70 @32490 has 1 MA's), (84, 32535), (125, 32634), (149, 32694), (161, 32730), (170, 32754), (189, 32799), (192, 32805), (215, 32856), (234, 32895), (235, 32898), (239, 32910), (266, 32949), (274, 32982), (296, 33063), (304, 33108), (318, 33156), (330, 33192), (334, 33201), (336, 33207), (415, 33432),

Gene: Purky_22 Start: 21124, Stop: 22170, Start Num: 64

Candidate Starts for Purky_22:

(Start: 64 @21124 has 125 MA's), (144, 21337), (199, 21448), (222, 21490), (224, 21493), (248, 21562), (296, 21694), (301, 21730), (335, 21838), (383, 21991), (387, 22000), (391, 22012),

Gene: QueenBeane_33 Start: 32369, Stop: 33529, Start Num: 41

Candidate Starts for QueenBeane_33:

(Start: 41 @32369 has 291 MA's), (Start: 70 @32480 has 1 MA's), (84, 32525), (125, 32624), (149, 32684), (161, 32720), (170, 32744), (189, 32789), (192, 32795), (215, 32846), (234, 32885), (235, 32888), (239, 32900), (244, 32915), (266, 32939), (274, 32972), (296, 33053), (304, 33098), (318, 33146), (330, 33182), (334, 33191), (336, 33197), (415, 33422),

Gene: QuincyRose_27 Start: 23336, Stop: 24349, Start Num: 65

Candidate Starts for QuincyRose_27:

(13, 22892), (49, 23291), (Start: 65 @23336 has 91 MA's), (Start: 108 @23447 has 3 MA's), (152, 23561), (201, 23678), (221, 23720), (228, 23732), (271, 23771), (274, 23786), (296, 23864), (314, 23948), (318, 23960), (323, 23972), (336, 24011), (372, 24125), (402, 24194),

Gene: Quisquilliae_33 Start: 32397, Stop: 33557, Start Num: 41

Candidate Starts for Quisquilliae_33:

(Start: 41 @32397 has 291 MA's), (Start: 70 @32508 has 1 MA's), (84, 32553), (125, 32652), (149, 32712), (161, 32748), (170, 32772), (189, 32817), (192, 32823), (215, 32874), (234, 32913), (235, 32916), (239, 32928), (266, 32967), (274, 33000), (296, 33081), (304, 33126), (318, 33174), (330, 33210), (334, 33219), (336, 33225), (415, 33450),

Gene: Ramen_28 Start: 23322, Stop: 24335, Start Num: 65

Candidate Starts for Ramen_28:

(13, 22878), (49, 23277), (Start: 65 @23322 has 91 MA's), (Start: 108 @23433 has 3 MA's), (152, 23547), (201, 23664), (221, 23706), (228, 23718), (274, 23772), (296, 23850), (318, 23946), (333, 23988), (336, 23997), (372, 24111), (402, 24180),

Gene: Rando14_28 Start: 22698, Stop: 23777, Start Num: 64

Candidate Starts for Rando14_28:

(Start: 64 @22698 has 125 MA's), (72, 22716), (107, 22818), (129, 22872), (131, 22875), (132, 22878), (150, 22926), (163, 22962), (164, 22965), (165, 22968), (178, 23001), (235, 23103), (239, 23115), (243, 23127), (245, 23133), (249, 23145), (264, 23166), (288, 23244), (298, 23286), (306, 23328), (316, 23373), (350, 23502),

Gene: Rapunzel97_28 Start: 23323, Stop: 24336, Start Num: 65

Candidate Starts for Rapunzel97_28:

(13, 22879), (23, 23026), (49, 23278), (Start: 65 @23323 has 91 MA's), (Start: 108 @23434 has 3 MA's), (152, 23548), (201, 23665), (221, 23707), (228, 23719), (274, 23773), (296, 23851), (318, 23947), (323, 23959), (333, 23989), (336, 23998), (372, 24112), (402, 24181),

Gene: RavenCo17_26 Start: 23835, Stop: 24911, Start Num: 64

Candidate Starts for RavenCo17_26:

(38, 23700), (Start: 64 @23835 has 125 MA's), (117, 23973), (145, 24045), (158, 24075), (222, 24225), (228, 24237), (243, 24279), (247, 24291), (274, 24348), (292, 24399), (309, 24471), (334, 24564), (389, 24726), (424, 24867),

Gene: Raymond7_21 Start: 20415, Stop: 21500, Start Num: 64

Candidate Starts for Raymond7_21:

(Start: 64 @20415 has 125 MA's), (125, 20577), (166, 20688), (169, 20697), (172, 20703), (199, 20748), (222, 20793), (274, 20919), (278, 20928), (292, 20976),

Gene: Rebel_21 Start: 19868, Stop: 20905, Start Num: 63

Candidate Starts for Rebel_21:

(26, 19631), (28, 19673), (32, 19703), (37, 19733), (43, 19793), (56, 19847), (Start: 63 @19868 has 6 MA's), (125, 20030), (140, 20072), (166, 20141), (199, 20201), (222, 20246), (239, 20291), (272, 20360), (292, 20429), (297, 20453), (323, 20558), (340, 20630), (355, 20675),

Gene: RedMaple_32 Start: 32376, Stop: 33536, Start Num: 41

Candidate Starts for RedMaple_32:

(Start: 41 @32376 has 291 MA's), (Start: 70 @32487 has 1 MA's), (84, 32532), (125, 32631), (149, 32691), (161, 32727), (170, 32751), (189, 32796), (192, 32802), (215, 32853), (234, 32892), (235, 32895), (239, 32907), (266, 32946), (274, 32979), (296, 33060), (304, 33105), (318, 33153), (330, 33189), (334, 33198), (336, 33204), (415, 33429),

Gene: Reindeer_30 Start: 26952, Stop: 28001, Start Num: 64

Candidate Starts for Reindeer_30:

(Start: 64 @26952 has 125 MA's), (78, 26988), (144, 27165), (169, 27228), (170, 27231), (189, 27270), (203, 27285), (230, 27336), (246, 27384), (278, 27453), (292, 27501), (296, 27522), (298, 27528), (301, 27558), (323, 27630), (357, 27765), (383, 27819), (406, 27870), (410, 27876), (416, 27909),

Gene: Reptar3000_29 Start: 24320, Stop: 25324, Start Num: 67

Candidate Starts for Reptar3000_29:

(Start: 67 @24320 has 75 MA's), (134, 24488), (150, 24533), (152, 24539), (171, 24593), (176, 24602), (212, 24683), (224, 24704), (228, 24713), (296, 24845), (297, 24848), (334, 24986), (346, 25055), (421, 25259),

Gene: Rhinoforte_33 Start: 32804, Stop: 33967, Start Num: 41

Candidate Starts for Rhinoforte_33:

(24, 32657), (Start: 39 @32798 has 9 MA's), (Start: 41 @32804 has 291 MA's), (45, 32843), (53, 32873), (Start: 70 @32918 has 1 MA's), (84, 32963), (125, 33062), (149, 33122), (161, 33158), (170, 33182), (189, 33227), (192, 33233), (215, 33284), (234, 33323), (235, 33326), (239, 33338), (244, 33353), (266, 33377), (274, 33410), (296, 33491), (304, 33536), (318, 33584), (330, 33620), (334, 33629), (336, 33635), (345, 33695), (415, 33860),

Gene: Richo_28 Start: 22728, Stop: 23693, Start Num: 65

Candidate Starts for Richo_28:

(Start: 65 @22728 has 91 MA's), (69, 22734), (126, 22887), (134, 22905), (139, 22923), (152, 22956), (165, 22998), (194, 23058), (201, 23073), (296, 23259), (297, 23262), (313, 23334), (336, 23403), (352, 23451), (358, 23466), (378, 23499), (392, 23538), (420, 23637),

Gene: Ricotta_32 Start: 32096, Stop: 33256, Start Num: 41

Candidate Starts for Ricotta_32:

(Start: 41 @32096 has 291 MA's), (Start: 70 @32207 has 1 MA's), (84, 32252), (125, 32351), (149, 32411), (161, 32447), (170, 32471), (189, 32516), (192, 32522), (215, 32573), (234, 32612), (235, 32615), (239, 32627), (244, 32642), (266, 32666), (274, 32699), (296, 32780), (304, 32825), (318, 32873), (330, 32909), (334, 32918), (336, 32924), (415, 33149),

Gene: Riggan_33 Start: 32356, Stop: 33516, Start Num: 41

Candidate Starts for Riggan_33:

(Start: 41 @32356 has 291 MA's), (Start: 70 @32467 has 1 MA's), (84, 32512), (125, 32611), (149, 32671), (161, 32707), (170, 32731), (189, 32776), (192, 32782), (215, 32833), (234, 32872), (235, 32875), (239, 32887), (266, 32926), (274, 32959), (296, 33040), (304, 33085), (318, 33133), (330, 33169), (334, 33178), (336, 33184), (415, 33409),

Gene: Rimu_34 Start: 32105, Stop: 33265, Start Num: 41

Candidate Starts for Rimu_34:

(Start: 41 @32105 has 291 MA's), (Start: 70 @32216 has 1 MA's), (84, 32261), (125, 32360), (149, 32420), (161, 32456), (170, 32480), (189, 32525), (192, 32531), (215, 32582), (234, 32621), (235, 32624), (239, 32636), (244, 32651), (266, 32675), (274, 32708), (296, 32789), (304, 32834), (318, 32882), (330, 32918), (334, 32927), (336, 32933), (415, 33158),

Gene: Rinke_34 Start: 33816, Stop: 35012, Start Num: 41

Candidate Starts for Rinke_34:

(29, 33759), (35, 33795), (Start: 41 @33816 has 291 MA's), (47, 33861), (57, 33906), (Start: 70 @33939 has 1 MA's), (79, 33963), (84, 33984), (88, 33999), (91, 34005), (110, 34044), (113, 34050), (119, 34065), (122, 34074), (136, 34110), (140, 34125), (144, 34134), (156, 34161), (158, 34164), (164, 34188), (166, 34194), (189, 34251), (190, 34254), (213, 34302), (214, 34305), (219, 34317), (233, 34344), (236, 34353), (237, 34356), (245, 34380), (259, 34431), (270, 34470), (274, 34491), (295, 34563), (296, 34569), (324, 34677), (331, 34698), (336, 34710), (371, 34812), (376, 34821), (414, 34914),

Gene: Robyn_32 Start: 31940, Stop: 33100, Start Num: 41

Candidate Starts for Robyn_32:

(Start: 41 @31940 has 291 MA's), (Start: 70 @32051 has 1 MA's), (84, 32096), (125, 32195), (149, 32255), (161, 32291), (170, 32315), (189, 32360), (192, 32366), (215, 32417), (234, 32456), (235, 32459), (239, 32471), (266, 32510), (274, 32543), (296, 32624), (304, 32669), (318, 32717), (330, 32753), (334, 32762), (336, 32768), (415, 32993),

Gene: Roliet_33 Start: 32365, Stop: 33525, Start Num: 41

Candidate Starts for Roliet_33:

(Start: 41 @32365 has 291 MA's), (Start: 70 @32476 has 1 MA's), (84, 32521), (125, 32620), (149, 32680), (161, 32716), (170, 32740), (189, 32785), (192, 32791), (215, 32842), (234, 32881), (235, 32884), (239, 32896), (244, 32911), (266, 32935), (274, 32968), (296, 33049), (304, 33094), (318, 33142), (330, 33178), (334, 33187), (336, 33193), (415, 33418),

Gene: Roscoe_34 Start: 32603, Stop: 33763, Start Num: 41

Candidate Starts for Roscoe_34:

(Start: 41 @32603 has 291 MA's), (Start: 70 @32714 has 1 MA's), (84, 32759), (125, 32858), (149, 32918), (161, 32954), (170, 32978), (189, 33023), (192, 33029), (215, 33080), (234, 33119), (235, 33122), (239, 33134), (266, 33173), (274, 33206), (296, 33287), (304, 33332), (318, 33380), (330, 33416), (334, 33425), (336, 33431), (415, 33656),

Gene: Rosebush_33 Start: 32811, Stop: 33974, Start Num: 41

Candidate Starts for Rosebush_33:

(24, 32664), (Start: 39 @32805 has 9 MA's), (Start: 41 @32811 has 291 MA's), (45, 32850), (53, 32880), (Start: 70 @32925 has 1 MA's), (84, 32970), (125, 33069), (149, 33129), (161, 33165), (170, 33189), (189, 33234), (192, 33240), (215, 33291), (234, 33330), (235, 33333), (239, 33345), (244, 33360), (266, 33384), (274, 33417), (296, 33498), (318, 33591), (330, 33627), (334, 33636), (336, 33642), (345, 33702), (415, 33867),

Gene: Rosmarinus_28 Start: 23344, Stop: 24357, Start Num: 65

Candidate Starts for Rosmarinus_28:

(13, 22900), (49, 23299), (Start: 65 @23344 has 91 MA's), (152, 23569), (201, 23686), (221, 23728), (228, 23740), (274, 23794), (296, 23872), (318, 23968), (333, 24010), (336, 24019), (372, 24133), (402, 24202),

Gene: Roy17_33 Start: 32069, Stop: 33229, Start Num: 41

Candidate Starts for Roy17_33:

(Start: 41 @32069 has 291 MA's), (Start: 70 @32180 has 1 MA's), (84, 32225), (125, 32324), (149, 32384), (161, 32420), (170, 32444), (189, 32489), (192, 32495), (215, 32546), (234, 32585), (235, 32588), (239, 32600), (244, 32615), (266, 32639), (274, 32672), (296, 32753), (304, 32798), (318, 32846), (330, 32882), (334, 32891), (336, 32897), (415, 33122),

Gene: Rubeelu_22 Start: 19998, Stop: 21038, Start Num: 63

Candidate Starts for Rubeelu_22:

(46, 19932), (Start: 63 @19998 has 6 MA's), (123, 20157), (125, 20163), (165, 20271), (166, 20274), (172, 20289), (222, 20379), (239, 20424), (274, 20505), (292, 20562), (297, 20586), (316, 20673), (323, 20691), (340, 20763), (355, 20808), (421, 20973),

Gene: Ruthiejr_29 Start: 24262, Stop: 25296, Start Num: 63

Candidate Starts for Ruthiejr_29:

(46, 24196), (Start: 63 @24262 has 6 MA's), (123, 24418), (124, 24421), (140, 24466), (144, 24475), (172, 24550), (222, 24637), (239, 24682), (274, 24763), (292, 24820), (297, 24844), (323, 24949), (340, 25021), (362, 25081), (421, 25231),

Gene: SDcharge11_33 Start: 32343, Stop: 33503, Start Num: 41

Candidate Starts for SDcharge11_33:

(Start: 41 @32343 has 291 MA's), (Start: 70 @32454 has 1 MA's), (84, 32499), (125, 32598), (149, 32658), (161, 32694), (170, 32718), (189, 32763), (192, 32769), (215, 32820), (234, 32859), (235, 32862), (239, 32874), (244, 32889), (266, 32913), (274, 32946), (296, 33027), (304, 33072), (318, 33120), (330, 33156), (334, 33165), (336, 33171), (415, 33396),

Gene: Sabella_33 Start: 32688, Stop: 33851, Start Num: 41

Candidate Starts for Sabella_33:

(24, 32541), (Start: 39 @32682 has 9 MA's), (Start: 41 @32688 has 291 MA's), (45, 32727), (53, 32757), (Start: 70 @32802 has 1 MA's), (84, 32847), (125, 32946), (149, 33006), (161, 33042), (170, 33066), (189, 33111), (192, 33117), (215, 33168), (234, 33207), (235, 33210), (239, 33222), (244, 33237), (266, 33261), (274, 33294), (296, 33375), (318, 33468), (330, 33504), (334, 33513), (336, 33519), (415, 33744),

Gene: Sadboi_34 Start: 30140, Stop: 30934, Start Num: 159

Candidate Starts for Sadboi_34:

(123, 30062), (128, 30074), (129, 30077), (Start: 159 @30140 has 1 MA's), (167, 30167), (201, 30227), (244, 30329), (277, 30392), (319, 30563), (402, 30797),

Gene: Saguaro_32 Start: 33436, Stop: 34548, Start Num: 81

Candidate Starts for Saguaro_32:

(31, 33223), (73, 33406), (Start: 81 @33436 has 1 MA's), (126, 33550), (136, 33577), (149, 33610), (154, 33625), (156, 33631), (173, 33679), (177, 33688), (207, 33757), (216, 33778), (230, 33802), (232, 33808), (251, 33883), (252, 33889), (253, 33907), (254, 33916), (256, 33925), (257, 33931), (290, 34051), (353, 34303), (400, 34411), (403, 34417),

Gene: SamScheppers_27 Start: 24552, Stop: 25625, Start Num: 62

Candidate Starts for SamScheppers_27:

(Start: 62 @24552 has 8 MA's), (Start: 64 @24555 has 125 MA's), (155, 24795), (166, 24831), (169, 24840), (172, 24846), (199, 24891), (222, 24936), (230, 24954), (239, 24981), (274, 25062), (292, 25119), (297, 25143),

Gene: Samaymay_33 Start: 32369, Stop: 33529, Start Num: 41

Candidate Starts for Samaymay_33:

(Start: 41 @32369 has 291 MA's), (Start: 70 @32480 has 1 MA's), (84, 32525), (125, 32624), (149, 32684), (161, 32720), (170, 32744), (189, 32789), (192, 32795), (215, 32846), (234, 32885), (235, 32888), (239, 32900), (244, 32915), (266, 32939), (274, 32972), (296, 33053), (304, 33098), (318, 33146), (330, 33182), (334, 33191), (336, 33197), (415, 33422),

Gene: SamuelLPlaqson_28 Start: 23284, Stop: 24297, Start Num: 65

Candidate Starts for SamuelLPlaqson_28:

(49, 23239), (Start: 65 @23284 has 91 MA's), (Start: 108 @23395 has 3 MA's), (152, 23509), (201, 23626), (221, 23668), (228, 23680), (274, 23734), (296, 23812), (318, 23908), (323, 23920), (336, 23959), (342, 23995), (402, 24142), (423, 24238),

Gene: SassyCat97_32 Start: 32075, Stop: 33235, Start Num: 41

Candidate Starts for SassyCat97_32:

(Start: 41 @32075 has 291 MA's), (Start: 70 @32186 has 1 MA's), (84, 32231), (125, 32330), (149, 32390), (161, 32426), (170, 32450), (189, 32495), (192, 32501), (215, 32552), (234, 32591), (235, 32594), (239, 32606), (266, 32645), (274, 32678), (296, 32759), (304, 32804), (318, 32852), (330, 32888), (334, 32897), (336, 32903), (415, 33128),

Gene: Sbash_21 Start: 21030, Stop: 22079, Start Num: 64

Candidate Starts for Sbash_21:

(Start: 64 @21030 has 125 MA's), (125, 21192), (144, 21243), (169, 21306), (229, 21411), (296, 21600), (301, 21636), (323, 21708), (357, 21843), (383, 21897), (416, 21987),

Gene: Scarlett_27 Start: 22586, Stop: 23545, Start Num: 67

Candidate Starts for Scarlett_27:

(Start: 67 @22586 has 75 MA's), (130, 22748), (133, 22754), (139, 22775), (140, 22781), (158, 22823), (175, 22868), (194, 22910), (201, 22925), (275, 23033), (298, 23117), (394, 23393),

Gene: Schadenfreude_32 Start: 31926, Stop: 33086, Start Num: 41

Candidate Starts for Schadenfreude_32:

(Start: 41 @31926 has 291 MA's), (Start: 70 @32037 has 1 MA's), (84, 32082), (125, 32181), (149, 32241), (161, 32277), (170, 32301), (189, 32346), (192, 32352), (215, 32403), (234, 32442), (235, 32445), (239, 32457), (266, 32496), (274, 32529), (296, 32610), (304, 32655), (318, 32703), (330, 32739), (334, 32748), (336, 32754), (415, 32979),

Gene: Schueller_33 Start: 32091, Stop: 33251, Start Num: 41

Candidate Starts for Schueller_33:

(Start: 41 @32091 has 291 MA's), (Start: 70 @32202 has 1 MA's), (84, 32247), (125, 32346), (149, 32406), (161, 32442), (170, 32466), (189, 32511), (192, 32517), (215, 32568), (234, 32607), (235, 32610), (239, 32622), (266, 32661), (274, 32694), (296, 32775), (304, 32820), (318, 32868), (330,

32904), (334, 32913), (336, 32919), (415, 33144),

Gene: Scitech_21 Start: 20194, Stop: 21228, Start Num: 64

Candidate Starts for Scitech_21:

(Start: 64 @20194 has 125 MA's), (123, 20350), (125, 20356), (165, 20464), (166, 20467), (172, 20482), (222, 20569), (239, 20614), (274, 20695), (292, 20752), (297, 20776), (323, 20881), (340, 20953), (355, 20998),

Gene: Scoot17C_33 Start: 32368, Stop: 33528, Start Num: 41

Candidate Starts for Scoot17C_33:

(Start: 41 @32368 has 291 MA's), (Start: 70 @32479 has 1 MA's), (84, 32524), (125, 32623), (149, 32683), (161, 32719), (170, 32743), (189, 32788), (192, 32794), (215, 32845), (234, 32884), (235, 32887), (239, 32899), (244, 32914), (266, 32938), (274, 32971), (296, 33052), (304, 33097), (318, 33145), (330, 33181), (334, 33190), (336, 33196), (415, 33421),

Gene: Scrick_33 Start: 32093, Stop: 33253, Start Num: 41

Candidate Starts for Scrick_33:

(Start: 41 @32093 has 291 MA's), (Start: 70 @32204 has 1 MA's), (84, 32249), (125, 32348), (149, 32408), (161, 32444), (170, 32468), (189, 32513), (192, 32519), (215, 32570), (234, 32609), (235, 32612), (239, 32624), (244, 32639), (266, 32663), (274, 32696), (296, 32777), (304, 32822), (318, 32870), (330, 32906), (334, 32915), (336, 32921), (415, 33146),

Gene: Sejanus_28 Start: 29684, Stop: 30844, Start Num: 41

Candidate Starts for Sejanus_28:

(Start: 41 @29684 has 291 MA's), (44, 29720), (53, 29753), (Start: 70 @29798 has 1 MA's), (84, 29843), (85, 29846), (161, 30038), (170, 30062), (173, 30068), (192, 30113), (194, 30116), (215, 30164), (242, 30227), (243, 30230), (268, 30263), (290, 30338), (296, 30368), (328, 30491), (331, 30500), (334, 30506), (429, 30827),

Gene: Selr12_33 Start: 32097, Stop: 33257, Start Num: 41

Candidate Starts for Selr12_33:

(Start: 41 @32097 has 291 MA's), (Start: 70 @32208 has 1 MA's), (84, 32253), (125, 32352), (149, 32412), (161, 32448), (170, 32472), (189, 32517), (192, 32523), (215, 32574), (234, 32613), (235, 32616), (239, 32628), (244, 32643), (266, 32667), (274, 32700), (296, 32781), (304, 32826), (318, 32874), (330, 32910), (334, 32919), (336, 32925), (415, 33150),

Gene: Serendipity_33 Start: 32393, Stop: 33553, Start Num: 41

Candidate Starts for Serendipity_33:

(Start: 41 @32393 has 291 MA's), (Start: 70 @32504 has 1 MA's), (84, 32549), (125, 32648), (149, 32708), (161, 32744), (170, 32768), (189, 32813), (192, 32819), (215, 32870), (234, 32909), (235, 32912), (239, 32924), (244, 32939), (266, 32963), (274, 32996), (296, 33077), (304, 33122), (318, 33170), (330, 33206), (334, 33215), (336, 33221), (415, 33446),

Gene: Serpentine_0033 Start: 32374, Stop: 33534, Start Num: 41

Candidate Starts for Serpentine_0033:

(Start: 41 @32374 has 291 MA's), (Start: 70 @32485 has 1 MA's), (84, 32530), (125, 32629), (149, 32689), (161, 32725), (170, 32749), (189, 32794), (192, 32800), (215, 32851), (234, 32890), (235, 32893), (239, 32905), (244, 32920), (266, 32944), (274, 32977), (296, 33058), (304, 33103), (318, 33151), (330, 33187), (334, 33196), (336, 33202), (415, 33427),

Gene: SgtBeansprout_24 Start: 22900, Stop: 23907, Start Num: 67

Candidate Starts for SgtBeansprout_24:

(52, 22849), (54, 22861), (Start: 67 @22900 has 75 MA's), (87, 22960), (120, 23032), (139, 23086), (148, 23107), (201, 23236), (223, 23281), (225, 23284), (273, 23341), (274, 23344), (289, 23389), (297, 23425), (318, 23521), (323, 23533), (353, 23653), (412, 23785),

Gene: Shadow1_27 Start: 22543, Stop: 23604, Start Num: 67

Candidate Starts for Shadow1_27:

(40, 22453), (Start: 67 @22543 has 75 MA's), (96, 22624), (104, 22642), (148, 22750), (152, 22762), (160, 22783), (201, 22879), (263, 22993), (273, 23044), (301, 23161), (308, 23176), (323, 23233), (336, 23272), (402, 23461),

Gene: Shaobing_28 Start: 22728, Stop: 23693, Start Num: 65

Candidate Starts for Shaobing_28:

(Start: 65 @22728 has 91 MA's), (69, 22734), (126, 22887), (134, 22905), (139, 22923), (152, 22956), (165, 22998), (194, 23058), (201, 23073), (296, 23259), (297, 23262), (313, 23334), (336, 23403), (352, 23451), (358, 23466), (378, 23499), (392, 23538), (420, 23637),

Gene: ShedlockHolmes_28 Start: 23930, Stop: 24949, Start Num: 67

Candidate Starts for ShedlockHolmes_28:

(17, 23549), (18, 23561), (20, 23597), (22, 23621), (27, 23741), (40, 23840), (50, 23897), (Start: 67 @23930 has 75 MA's), (79, 23963), (120, 24062), (122, 24068), (126, 24080), (148, 24137), (150, 24143), (171, 24203), (201, 24266), (205, 24275), (224, 24311), (233, 24332), (237, 24344), (278, 24383), (296, 24452), (319, 24551), (336, 24599), (343, 24635), (366, 24698), (382, 24740), (402, 24788), (413, 24830), (427, 24926),

Gene: Sheila_33 Start: 32411, Stop: 33571, Start Num: 41

Candidate Starts for Sheila_33:

(Start: 41 @32411 has 291 MA's), (Start: 70 @32522 has 1 MA's), (84, 32567), (125, 32666), (149, 32726), (161, 32762), (170, 32786), (189, 32831), (192, 32837), (215, 32888), (234, 32927), (235, 32930), (239, 32942), (244, 32957), (266, 32981), (274, 33014), (296, 33095), (304, 33140), (318, 33188), (330, 33224), (334, 33233), (336, 33239), (415, 33464),

Gene: ShiVal_33 Start: 32367, Stop: 33527, Start Num: 41

Candidate Starts for ShiVal_33:

(Start: 41 @32367 has 291 MA's), (Start: 70 @32478 has 1 MA's), (84, 32523), (125, 32622), (149, 32682), (161, 32718), (170, 32742), (189, 32787), (192, 32793), (215, 32844), (234, 32883), (235, 32886), (239, 32898), (266, 32937), (274, 32970), (296, 33051), (304, 33096), (318, 33144), (330, 33180), (334, 33189), (336, 33195), (415, 33420),

Gene: ShiaSurprise_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for ShiaSurprise_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (Start: 108 @23467 has 3 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (323, 23992), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Shweta_21 Start: 20201, Stop: 21238, Start Num: 61

Candidate Starts for Shweta_21:

(Start: 61 @20201 has 8 MA's), (123, 20357), (125, 20363), (140, 20405), (165, 20471), (166, 20474), (199, 20534), (222, 20579), (239, 20624), (274, 20705), (292, 20762), (297, 20786), (323, 20891), (340, 20963), (355, 21008),

Gene: Sigman_33 Start: 32359, Stop: 33519, Start Num: 41

Candidate Starts for Sigman_33:

(Start: 41 @32359 has 291 MA's), (Start: 70 @32470 has 1 MA's), (84, 32515), (125, 32614), (149, 32674), (161, 32710), (170, 32734), (189, 32779), (192, 32785), (215, 32836), (234, 32875), (235, 32878), (239, 32890), (244, 32905), (266, 32929), (274, 32962), (296, 33043), (304, 33088), (318, 33136), (330, 33172), (334, 33181), (336, 33187), (415, 33412),

Gene: SilverBell_33 Start: 32389, Stop: 33549, Start Num: 41

Candidate Starts for SilverBell_33:

(Start: 41 @32389 has 291 MA's), (Start: 70 @32500 has 1 MA's), (84, 32545), (125, 32644), (149, 32704), (161, 32740), (170, 32764), (189, 32809), (192, 32815), (215, 32866), (234, 32905), (235, 32908), (239, 32920), (266, 32959), (274, 32992), (296, 33073), (304, 33118), (318, 33166), (330, 33202), (334, 33211), (336, 33217), (415, 33442),

Gene: Simielle_32 Start: 32062, Stop: 33222, Start Num: 41

Candidate Starts for Simielle_32:

(Start: 41 @32062 has 291 MA's), (Start: 70 @32173 has 1 MA's), (84, 32218), (125, 32317), (149, 32377), (161, 32413), (170, 32437), (189, 32482), (192, 32488), (215, 32539), (234, 32578), (235, 32581), (239, 32593), (244, 32608), (266, 32632), (274, 32665), (296, 32746), (304, 32791), (318, 32839), (330, 32875), (334, 32884), (336, 32890), (415, 33115),

Gene: SirPhilip_27 Start: 22229, Stop: 23257, Start Num: 67

Candidate Starts for SirPhilip_27:

(Start: 67 @22229 has 75 MA's), (134, 22400), (139, 22418), (158, 22466), (181, 22526), (201, 22568), (209, 22586), (221, 22610), (271, 22661), (278, 22685), (293, 22742), (297, 22757), (313, 22829), (336, 22898),

Gene: Skinny_32 Start: 27432, Stop: 28493, Start Num: 64

Candidate Starts for Skinny_32:

(Start: 64 @27432 has 125 MA's), (78, 27468), (89, 27510), (129, 27600), (137, 27621), (148, 27648), (169, 27711), (219, 27801), (227, 27813), (231, 27822), (247, 27867), (278, 27933), (297, 28005), (316, 28095), (323, 28113), (350, 28230), (354, 28242), (395, 28332),

Gene: SkinnyPete_21 Start: 20204, Stop: 21241, Start Num: 64

Candidate Starts for SkinnyPete_21:

(Start: 64 @20204 has 125 MA's), (123, 20360), (125, 20366), (165, 20474), (172, 20492), (222, 20582), (239, 20627), (274, 20708), (297, 20789), (316, 20876), (323, 20894), (340, 20966), (355, 21011), (421, 21176),

Gene: Skippy_33 Start: 32357, Stop: 33517, Start Num: 41

Candidate Starts for Skippy_33:

(Start: 41 @32357 has 291 MA's), (Start: 70 @32468 has 1 MA's), (84, 32513), (125, 32612), (149, 32672), (161, 32708), (170, 32732), (189, 32777), (192, 32783), (215, 32834), (234, 32873), (235, 32876), (239, 32888), (266, 32927), (274, 32960), (296, 33041), (304, 33086), (318, 33134), (330, 33170), (334, 33179), (336, 33185), (415, 33410),

Gene: Skysand_47 Start: 36418, Stop: 37479, Start Num: 64

Candidate Starts for Skysand_47:

(Start: 64 @36418 has 125 MA's), (134, 36604), (213, 36790), (214, 36793), (298, 37003),

Gene: Slarp_29 Start: 24596, Stop: 25600, Start Num: 67

Candidate Starts for Slarp_29:

(Start: 67 @24596 has 75 MA's), (134, 24764), (150, 24809), (152, 24815), (171, 24869), (176, 24878), (212, 24959), (224, 24980), (226, 24986), (228, 24989), (296, 25121), (297, 25124), (328, 25247),

Gene: Slatt_33 Start: 32383, Stop: 33543, Start Num: 41

Candidate Starts for Slatt_33:

(Start: 41 @32383 has 291 MA's), (Start: 70 @32494 has 1 MA's), (84, 32539), (125, 32638), (149, 32698), (161, 32734), (170, 32758), (189, 32803), (192, 32809), (215, 32860), (234, 32899), (235, 32902), (239, 32914), (266, 32953), (274, 32986), (296, 33067), (304, 33112), (318, 33160), (330, 33196), (334, 33205), (336, 33211), (415, 33436),

Gene: SlimJimmy_30 Start: 26975, Stop: 28030, Start Num: 64

Candidate Starts for SlimJimmy_30:

(Start: 64 @26975 has 125 MA's), (144, 27188), (160, 27224), (184, 27287), (229, 27359), (239, 27389), (246, 27410), (267, 27446), (278, 27482), (292, 27530), (296, 27551), (298, 27557), (301, 27587), (302, 27590), (315, 27638), (383, 27848), (409, 27902),

Gene: Slimphazie_28 Start: 23323, Stop: 24336, Start Num: 65

Candidate Starts for Slimphazie_28:

(13, 22879), (23, 23026), (49, 23278), (Start: 65 @23323 has 91 MA's), (Start: 108 @23434 has 3 MA's), (152, 23548), (201, 23665), (221, 23707), (228, 23719), (274, 23773), (296, 23851), (318, 23947), (323, 23959), (333, 23989), (336, 23998), (372, 24112), (402, 24181),

Gene: SoSeph_27 Start: 24081, Stop: 25148, Start Num: 64

Candidate Starts for SoSeph_27:

(Start: 64 @24081 has 125 MA's), (105, 24198), (129, 24255), (148, 24303), (150, 24309), (170, 24366), (172, 24369), (178, 24384), (190, 24411), (218, 24450), (220, 24453), (228, 24465), (229, 24468), (230, 24471), (235, 24486), (258, 24531), (260, 24537), (278, 24591), (292, 24639), (299, 24669), (310, 24714), (340, 24843), (353, 24897),

Gene: Soile_33 Start: 32089, Stop: 33249, Start Num: 41

Candidate Starts for Soile_33:

(Start: 41 @32089 has 291 MA's), (Start: 70 @32200 has 1 MA's), (84, 32245), (125, 32344), (149, 32404), (161, 32440), (170, 32464), (189, 32509), (192, 32515), (215, 32566), (234, 32605), (235, 32608), (239, 32620), (266, 32659), (274, 32692), (296, 32773), (304, 32818), (318, 32866), (330, 32902), (334, 32911), (336, 32917), (415, 33142),

Gene: Solosis_32 Start: 32084, Stop: 33244, Start Num: 41

Candidate Starts for Solosis_32:

(Start: 41 @32084 has 291 MA's), (Start: 70 @32195 has 1 MA's), (84, 32240), (125, 32339), (149, 32399), (161, 32435), (170, 32459), (189, 32504), (192, 32510), (215, 32561), (234, 32600), (235, 32603), (239, 32615), (244, 32630), (266, 32654), (274, 32687), (296, 32768), (304, 32813), (318, 32861), (330, 32897), (334, 32906), (336, 32912), (415, 33137),

Gene: Sonah_22 Start: 21289, Stop: 22326, Start Num: 64

Candidate Starts for Sonah_22:

(55, 21265), (Start: 62 @21286 has 8 MA's), (Start: 64 @21289 has 125 MA's), (74, 21313), (125, 21451), (140, 21493), (166, 21562), (199, 21622), (222, 21667), (239, 21712), (274, 21793), (292, 21850), (297, 21874), (323, 21979), (340, 22051), (355, 22096), (421, 22261),

Gene: Sophia_32 Start: 32084, Stop: 33244, Start Num: 41

Candidate Starts for Sophia_32:

(Start: 41 @32084 has 291 MA's), (Start: 70 @32195 has 1 MA's), (84, 32240), (125, 32339), (149, 32399), (161, 32435), (170, 32459), (189, 32504), (192, 32510), (215, 32561), (234, 32600), (235, 32603), (239, 32615), (266, 32654), (274, 32687), (296, 32768), (304, 32813), (318, 32861), (330, 32897), (334, 32906), (336, 32912), (415, 33137),

Gene: Soto_33 Start: 32377, Stop: 33537, Start Num: 41

Candidate Starts for Soto_33:

(Start: 41 @32377 has 291 MA's), (Start: 70 @32488 has 1 MA's), (84, 32533), (125, 32632), (149, 32692), (161, 32728), (170, 32752), (189, 32797), (192, 32803), (215, 32854), (234, 32893), (235, 32896), (239, 32908), (244, 32923), (266, 32947), (274, 32980), (296, 33061), (304, 33106), (318, 33154), (330, 33190), (334, 33199), (336, 33205), (415, 33430),

Gene: Sparky_21 Start: 21885, Stop: 22931, Start Num: 64

Candidate Starts for Sparky_21:

(Start: 64 @21885 has 125 MA's), (144, 22098), (148, 22104), (199, 22209), (222, 22251), (224, 22254), (248, 22323), (296, 22455), (301, 22491), (335, 22599), (383, 22752), (387, 22761), (391, 22773),

Gene: Spartan300_33 Start: 32363, Stop: 33523, Start Num: 41

Candidate Starts for Spartan300_33:

(Start: 41 @32363 has 291 MA's), (Start: 70 @32474 has 1 MA's), (84, 32519), (125, 32618), (149, 32678), (161, 32714), (170, 32738), (189, 32783), (192, 32789), (215, 32840), (234, 32879), (235, 32882), (239, 32894), (266, 32933), (274, 32966), (296, 33047), (304, 33092), (318, 33140), (330, 33176), (334, 33185), (336, 33191), (415, 33416),

Gene: Spock_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Spock_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Squid_33 Start: 32075, Stop: 33235, Start Num: 41

Candidate Starts for Squid_33:

(Start: 41 @32075 has 291 MA's), (Start: 70 @32186 has 1 MA's), (84, 32231), (125, 32330), (149, 32390), (161, 32426), (170, 32450), (189, 32495), (192, 32501), (215, 32552), (234, 32591), (235, 32594), (239, 32606), (266, 32645), (274, 32678), (296, 32759), (304, 32804), (318, 32852), (330, 32888), (334, 32897), (336, 32903), (415, 33128),

Gene: Squiggle_33 Start: 32087, Stop: 33247, Start Num: 41

Candidate Starts for Squiggle_33:

(Start: 41 @32087 has 291 MA's), (Start: 70 @32198 has 1 MA's), (84, 32243), (125, 32342), (149, 32402), (161, 32438), (170, 32462), (189, 32507), (192, 32513), (215, 32564), (234, 32603), (235, 32606), (239, 32618), (244, 32633), (266, 32657), (274, 32690), (296, 32771), (304, 32816), (318, 32864), (330, 32900), (334, 32909), (336, 32915), (415, 33140),

Gene: StarStruck_46 Start: 35932, Stop: 36987, Start Num: 64

Candidate Starts for StarStruck_46:

(47, 35869), (Start: 64 @35932 has 125 MA's), (143, 36145), (214, 36304), (226, 36328), (323, 36616), (421, 36916), (427, 36961),

Gene: Stargaze_23 Start: 23284, Stop: 24429, Start Num: 41

Candidate Starts for Stargaze_23:

(3, 22495), (7, 22654), (8, 22762), (10, 22864), (34, 23260), (Start: 41 @23284 has 291 MA's), (Start: 70 @23395 has 1 MA's), (76, 23410), (119, 23521), (142, 23584), (149, 23599), (206, 23746), (213, 23761), (236, 23812), (265, 23845), (283, 23908), (295, 23959), (297, 23968), (339, 24136),

Gene: StevieRay_22 Start: 21290, Stop: 22327, Start Num: 64

Candidate Starts for StevieRay_22:

(55, 21266), (Start: 62 @21287 has 8 MA's), (Start: 64 @21290 has 125 MA's), (74, 21314), (125, 21452), (140, 21494), (166, 21563), (199, 21623), (222, 21668), (239, 21713), (274, 21794), (292, 21851), (297, 21875), (323, 21980), (340, 22052), (355, 22097), (421, 22262),

Gene: Stinson_29 Start: 23565, Stop: 24578, Start Num: 65

Candidate Starts for Stinson_29:

(Start: 65 @23565 has 91 MA's), (Start: 108 @23676 has 3 MA's), (152, 23790), (201, 23907), (221, 23949), (274, 24015), (278, 24024), (296, 24093), (318, 24189), (323, 24201), (372, 24354), (402, 24423), (423, 24519),

Gene: StressBall_22 Start: 21561, Stop: 22601, Start Num: 61

Candidate Starts for StressBall_22:

(Start: 61 @21561 has 8 MA's), (123, 21720), (125, 21726), (140, 21768), (165, 21834), (166, 21837), (199, 21897), (222, 21942), (239, 21987), (274, 22068), (292, 22125), (297, 22149), (323, 22254), (340, 22326), (355, 22371),

Gene: Strobilo_25 Start: 21282, Stop: 22277, Start Num: 67

Candidate Starts for Strobilo_25:

(40, 21198), (Start: 67 @21282 has 75 MA's), (94, 21363), (104, 21387), (130, 21447), (150, 21501), (152, 21507), (194, 21609), (196, 21612), (217, 21660), (221, 21666), (273, 21729), (274, 21732), (288, 21774), (298, 21816), (316, 21900), (336, 21957), (427, 22254),

Gene: Struggle_32 Start: 31925, Stop: 33085, Start Num: 41

Candidate Starts for Struggle_32:

(Start: 41 @31925 has 291 MA's), (Start: 70 @32036 has 1 MA's), (84, 32081), (125, 32180), (149, 32240), (161, 32276), (170, 32300), (189, 32345), (192, 32351), (215, 32402), (234, 32441), (235, 32444), (239, 32456), (244, 32471), (266, 32495), (274, 32528), (296, 32609), (318, 32702), (330, 32738), (334, 32747), (336, 32753), (415, 32978),

Gene: Suffolk_33 Start: 32374, Stop: 33534, Start Num: 41

Candidate Starts for Suffolk_33:

(Start: 41 @32374 has 291 MA's), (Start: 70 @32485 has 1 MA's), (84, 32530), (125, 32629), (149, 32689), (161, 32725), (170, 32749), (189, 32794), (192, 32800), (215, 32851), (234, 32890), (235, 32893), (239, 32905), (266, 32944), (274, 32977), (296, 33058), (304, 33103), (318, 33151), (330, 33187), (334, 33196), (336, 33202), (415, 33427),

Gene: Sukkupi_46 Start: 34612, Stop: 35703, Start Num: 64

Candidate Starts for Sukkupi_46:

(Start: 64 @34612 has 125 MA's), (77, 34645), (112, 34741), (178, 34924), (207, 34993), (274, 35131), (279, 35143), (281, 35146),

Gene: Sulley_28 Start: 23289, Stop: 24302, Start Num: 65

Candidate Starts for Sulley_28:

(Start: 65 @23289 has 91 MA's), (Start: 108 @23400 has 3 MA's), (152, 23514), (201, 23631), (228, 23685), (274, 23739), (296, 23817), (318, 23913), (323, 23925), (333, 23955), (336, 23964), (372, 24078), (402, 24147),

Gene: Sunflower1121_27 Start: 22555, Stop: 23616, Start Num: 67

Candidate Starts for Sunflower1121_27:

(40, 22465), (Start: 67 @22555 has 75 MA's), (96, 22636), (104, 22654), (148, 22762), (152, 22774), (160, 22795), (201, 22891), (263, 23005), (273, 23056), (301, 23173), (323, 23245), (336, 23284), (370, 23404), (402, 23473),

Gene: SuperSulley_46 Start: 36118, Stop: 37173, Start Num: 64

Candidate Starts for SuperSulley_46:

(Start: 64 @36118 has 125 MA's), (143, 36331), (226, 36514), (323, 36802), (427, 37147),

Gene: Surely_33 Start: 32377, Stop: 33537, Start Num: 41

Candidate Starts for Surely_33:

(Start: 41 @32377 has 291 MA's), (Start: 70 @32488 has 1 MA's), (84, 32533), (125, 32632), (149, 32692), (161, 32728), (170, 32752), (189, 32797), (192, 32803), (215, 32854), (234, 32893), (235, 32896), (239, 32908), (266, 32947), (274, 32980), (296, 33061), (304, 33106), (318, 33154), (330, 33190), (334, 33199), (336, 33205), (415, 33430),

Gene: Swiphy_34 Start: 32372, Stop: 33532, Start Num: 41

Candidate Starts for Swiphy_34:

(Start: 41 @32372 has 291 MA's), (Start: 70 @32483 has 1 MA's), (84, 32528), (125, 32627), (149, 32687), (161, 32723), (170, 32747), (189, 32792), (192, 32798), (215, 32849), (234, 32888), (235, 32891), (239, 32903), (266, 32942), (274, 32975), (296, 33056), (318, 33149), (330, 33185), (334, 33194), (336, 33200), (415, 33425),

Gene: Swish_33 Start: 32360, Stop: 33520, Start Num: 41

Candidate Starts for Swish_33:

(Start: 41 @32360 has 291 MA's), (Start: 70 @32471 has 1 MA's), (84, 32516), (125, 32615), (149, 32675), (161, 32711), (170, 32735), (189, 32780), (192, 32786), (215, 32837), (234, 32876), (235, 32879), (239, 32891), (244, 32906), (266, 32930), (274, 32963), (296, 33044), (304, 33089), (318, 33137), (330, 33173), (334, 33182), (336, 33188), (415, 33413),

Gene: Syra333_28 Start: 22645, Stop: 23640, Start Num: 67

Candidate Starts for Syra333_28:

(40, 22555), (Start: 67 @22645 has 75 MA's), (104, 22744), (Start: 108 @22750 has 3 MA's), (163, 22900), (201, 22981), (296, 23167), (297, 23170), (315, 23254), (318, 23263), (330, 23299), (384, 23449), (425, 23599), (427, 23617),

Gene: TA17A_33 Start: 32678, Stop: 33841, Start Num: 41

Candidate Starts for TA17A_33:

(Start: 39 @32672 has 9 MA's), (Start: 41 @32678 has 291 MA's), (45, 32717), (53, 32747), (Start: 70 @32792 has 1 MA's), (84, 32837), (125, 32936), (149, 32996), (161, 33032), (170, 33056), (189, 33101), (192, 33107), (215, 33158), (234, 33197), (235, 33200), (239, 33212), (266, 33251), (274, 33284), (296, 33365), (304, 33410), (318, 33458), (330, 33494), (334, 33503), (336, 33509), (415, 33734),

Gene: TBond007_28 Start: 23723, Stop: 24787, Start Num: 67

Candidate Starts for TBond007_28:

(9, 23171), (12, 23237), (14, 23300), (16, 23333), (19, 23375), (27, 23534), (40, 23633), (50, 23690), (Start: 67 @23723 has 75 MA's), (120, 23855), (122, 23861), (148, 23930), (150, 23936), (171, 23996), (181, 24017), (187, 24032), (226, 24110), (296, 24302), (301, 24338), (314, 24386), (328, 24428), (365, 24554),

Gene: TClif_28 Start: 22714, Stop: 23739, Start Num: 67

Candidate Starts for TClif_28:

(Start: 67 @22714 has 75 MA's), (102, 22813), (104, 22816), (130, 22876), (146, 22921), (160, 22957), (196, 23041), (217, 23089), (276, 23173), (286, 23197), (297, 23248), (314, 23329), (404, 23581), (413, 23620), (427, 23716),

Gene: TM4_25 Start: 21422, Stop: 22426, Start Num: 67

Candidate Starts for TM4_25:

(Start: 67 @21422 has 75 MA's), (104, 21527), (130, 21587), (134, 21596), (150, 21641), (152, 21647), (171, 21701), (197, 21755), (226, 21815), (239, 21848), (274, 21872), (297, 21953), (298, 21956), (316, 22040), (328, 22076), (427, 22403),

Gene: Tachez_28 Start: 23285, Stop: 24298, Start Num: 65

Candidate Starts for Tachez_28:

(13, 22841), (23, 22988), (49, 23240), (Start: 65 @23285 has 91 MA's), (Start: 108 @23396 has 3 MA's), (152, 23510), (201, 23627), (221, 23669), (228, 23681), (274, 23735), (296, 23813), (318, 23909), (323, 23921), (333, 23951), (336, 23960), (372, 24074), (402, 24143),

Gene: TaiwanKao_29 Start: 23407, Stop: 24309, Start Num: 108

Candidate Starts for TaiwanKao_29:

(49, 23251), (Start: 65 @23296 has 91 MA's), (Start: 108 @23407 has 3 MA's), (152, 23521), (201, 23638), (221, 23680), (228, 23692), (274, 23746), (296, 23824), (314, 23908), (318, 23920), (323, 23932), (336, 23971), (360, 24061), (423, 24250),

Gene: TallGrassMM_33 Start: 31999, Stop: 33159, Start Num: 41

Candidate Starts for TallGrassMM_33:

(Start: 41 @31999 has 291 MA's), (Start: 70 @32110 has 1 MA's), (84, 32155), (125, 32254), (149, 32314), (161, 32350), (170, 32374), (189, 32419), (192, 32425), (215, 32476), (234, 32515), (235, 32518), (239, 32530), (244, 32545), (266, 32569), (274, 32602), (296, 32683), (304, 32728), (318, 32776), (330, 32812), (334, 32821), (336, 32827), (415, 33052),

Gene: Taquito_27 Start: 24633, Stop: 25676, Start Num: 62

Candidate Starts for Taquito_27:

(Start: 62 @24633 has 8 MA's), (Start: 64 @24636 has 125 MA's), (155, 24876), (166, 24912), (169, 24921), (172, 24927), (199, 24972), (222, 25017), (230, 25035), (239, 25062), (274, 25143), (292, 25200), (297, 25224), (323, 25329), (340, 25401), (355, 25446),

Gene: Techage_22 Start: 21290, Stop: 22327, Start Num: 64

Candidate Starts for Techage_22:

(55, 21266), (Start: 62 @21287 has 8 MA's), (Start: 64 @21290 has 125 MA's), (74, 21314), (125, 21452), (140, 21494), (166, 21563), (199, 21623), (222, 21668), (239, 21713), (274, 21794), (292, 21851), (297, 21875), (323, 21980), (340, 22052), (355, 22097), (421, 22262),

Gene: Telesworld_32 Start: 32072, Stop: 33232, Start Num: 41

Candidate Starts for Telesworld_32:

(Start: 41 @32072 has 291 MA's), (Start: 70 @32183 has 1 MA's), (84, 32228), (125, 32327), (149, 32387), (161, 32423), (170, 32447), (189, 32492), (192, 32498), (215, 32549), (234, 32588), (235, 32591), (239, 32603), (266, 32642), (274, 32675), (296, 32756), (304, 32801), (318, 32849), (330, 32885), (334, 32894), (336, 32900), (415, 33125),

Gene: Thespis_22 Start: 21299, Stop: 22336, Start Num: 64

Candidate Starts for Thespis_22:

(55, 21275), (Start: 62 @21296 has 8 MA's), (Start: 64 @21299 has 125 MA's), (74, 21323), (125, 21461), (140, 21503), (166, 21572), (199, 21632), (222, 21677), (239, 21722), (274, 21803), (292, 21860), (297, 21884), (323, 21989), (340, 22061), (355, 22106), (421, 22271),

Gene: Thora_33 Start: 32376, Stop: 33536, Start Num: 41

Candidate Starts for Thora_33:

(Start: 41 @32376 has 291 MA's), (Start: 70 @32487 has 1 MA's), (84, 32532), (125, 32631), (149, 32691), (161, 32727), (170, 32751), (189, 32796), (192, 32802), (215, 32853), (234, 32892), (235, 32895), (239, 32907), (266, 32946), (274, 32979), (296, 33060), (304, 33105), (318, 33153), (330, 33189), (334, 33198), (336, 33204), (415, 33429),

Gene: ThreeOh3D2_33 Start: 32374, Stop: 33534, Start Num: 41

Candidate Starts for ThreeOh3D2_33:

(Start: 41 @32374 has 291 MA's), (Start: 70 @32485 has 1 MA's), (84, 32530), (125, 32629), (149, 32689), (161, 32725), (170, 32749), (189, 32794), (192, 32800), (215, 32851), (234, 32890), (235, 32893), (239, 32905), (244, 32920), (266, 32944), (274, 32977), (296, 33058), (304, 33103), (318, 33151), (330, 33187), (334, 33196), (336, 33202), (415, 33427),

Gene: ThulaThula_22 Start: 21454, Stop: 22491, Start Num: 64

Candidate Starts for ThulaThula_22:

(Start: 64 @21454 has 125 MA's), (125, 21616), (144, 21667), (160, 21703), (169, 21730), (199, 21778), (229, 21835), (241, 21871), (296, 22024), (301, 22060), (323, 22132), (357, 22267), (383, 22321), (416, 22399),

Gene: Thunderbird_32 Start: 32080, Stop: 33240, Start Num: 41

Candidate Starts for Thunderbird_32:

(Start: 41 @32080 has 291 MA's), (Start: 70 @32191 has 1 MA's), (84, 32236), (125, 32335), (149, 32395), (161, 32431), (170, 32455), (189, 32500), (192, 32506), (215, 32557), (234, 32596), (235, 32599), (239, 32611), (244, 32626), (266, 32650), (274, 32683), (296, 32764), (318, 32857), (330, 32893), (334, 32902), (336, 32908), (415, 33133),

Gene: Thyatira_27 Start: 23933, Stop: 25000, Start Num: 64

Candidate Starts for Thyatira_27:

(Start: 64 @23933 has 125 MA's), (105, 24050), (129, 24107), (148, 24155), (150, 24161), (170, 24218), (172, 24221), (178, 24236), (190, 24263), (218, 24302), (220, 24305), (228, 24317), (229, 24320), (230, 24323), (235, 24338), (258, 24383), (260, 24389), (278, 24443), (292, 24491), (299, 24521), (310, 24566), (340, 24695), (353, 24749), (377, 24794),

Gene: Tierra_28 Start: 23391, Stop: 24452, Start Num: 67

Candidate Starts for Tierra_28:

(Start: 67 @23391 has 75 MA's), (95, 23469), (96, 23472), (104, 23490), (123, 23532), (148, 23598), (160, 23631), (201, 23727), (206, 23739), (263, 23841), (273, 23892), (301, 24009), (378, 24252), (384, 24270), (402, 24309),

Gene: Timmi_32 Start: 32085, Stop: 33245, Start Num: 41

Candidate Starts for Timmi_32:

(Start: 41 @32085 has 291 MA's), (Start: 70 @32196 has 1 MA's), (84, 32241), (125, 32340), (149, 32400), (161, 32436), (170, 32460), (189, 32505), (192, 32511), (215, 32562), (234, 32601), (235, 32604), (239, 32616), (266, 32655), (274, 32688), (296, 32769), (304, 32814), (318, 32862), (330, 32898), (334, 32907), (336, 32913), (415, 33138),

Gene: Tinciduntolum_34 Start: 32810, Stop: 33979, Start Num: 39

Candidate Starts for Tinciduntolum_34:

(24, 32669), (Start: 39 @32810 has 9 MA's), (Start: 41 @32816 has 291 MA's), (45, 32855), (53, 32885), (Start: 70 @32930 has 1 MA's), (84, 32975), (125, 33074), (149, 33134), (161, 33170), (170, 33194), (189, 33239), (192, 33245), (215, 33296), (234, 33335), (235, 33338), (239, 33350), (244, 33365), (266, 33389), (274, 33422), (296, 33503), (318, 33596), (330, 33632), (334, 33641), (336, 33647), (345, 33707), (415, 33872),

Gene: TingHuaYa_28 Start: 22494, Stop: 23501, Start Num: 67

Candidate Starts for TingHuaYa_28:

(Start: 67 @22494 has 75 MA's), (103, 22593), (152, 22713), (160, 22734), (201, 22830), (274, 22938), (296, 23016), (318, 23112), (323, 23124), (336, 23163), (394, 23334), (402, 23346),

Gene: TiniBug_28 Start: 23281, Stop: 24294, Start Num: 65

Candidate Starts for TiniBug_28:

(49, 23236), (Start: 65 @23281 has 91 MA's), (Start: 108 @23392 has 3 MA's), (152, 23506), (201, 23623), (228, 23677), (274, 23731), (296, 23809), (318, 23905), (323, 23917), (336, 23956), (342, 23992), (369, 24061), (402, 24139), (423, 24235),

Gene: Tiri_28 Start: 23328, Stop: 24341, Start Num: 65

Candidate Starts for Tiri_28:

(13, 22884), (49, 23283), (Start: 65 @23328 has 91 MA's), (Start: 108 @23439 has 3 MA's), (152, 23553), (201, 23670), (221, 23712), (228, 23724), (274, 23778), (296, 23856), (314, 23940), (318, 23952), (323, 23964), (336, 24003), (372, 24117), (402, 24186),

Gene: TomBombadil_33 Start: 32370, Stop: 33530, Start Num: 41

Candidate Starts for TomBombadil_33:

(Start: 41 @32370 has 291 MA's), (Start: 70 @32481 has 1 MA's), (84, 32526), (125, 32625), (149, 32685), (161, 32721), (170, 32745), (189, 32790), (192, 32796), (215, 32847), (234, 32886), (235, 32889), (239, 32901), (244, 32916), (266, 32940), (274, 32973), (296, 33054), (318, 33147), (330, 33183), (334, 33192), (336, 33198), (415, 33423),

Gene: Tomlarah_33 Start: 32361, Stop: 33521, Start Num: 41

Candidate Starts for Tomlarah_33:

(Start: 41 @32361 has 291 MA's), (Start: 70 @32472 has 1 MA's), (84, 32517), (125, 32616), (149, 32676), (161, 32712), (170, 32736), (189, 32781), (192, 32787), (215, 32838), (234, 32877), (235, 32880), (239, 32892), (244, 32907), (266, 32931), (274, 32964), (296, 33045), (304, 33090), (318, 33138), (330, 33174), (334, 33183), (336, 33189), (415, 33414),

Gene: Toni_32 Start: 32077, Stop: 33237, Start Num: 41

Candidate Starts for Toni_32:

(Start: 41 @32077 has 291 MA's), (Start: 70 @32188 has 1 MA's), (84, 32233), (125, 32332), (149, 32392), (161, 32428), (170, 32452), (189, 32497), (192, 32503), (215, 32554), (234, 32593), (235, 32596), (239, 32608), (244, 32623), (266, 32647), (274, 32680), (296, 32761), (304, 32806), (318, 32854), (330, 32890), (334, 32899), (336, 32905), (415, 33130),

Gene: Tooj_33 Start: 32434, Stop: 33594, Start Num: 41

Candidate Starts for Tooj_33:

(Start: 41 @32434 has 291 MA's), (Start: 70 @32545 has 1 MA's), (84, 32590), (125, 32689), (149, 32749), (161, 32785), (170, 32809), (189, 32854), (192, 32860), (215, 32911), (234, 32950), (235, 32953), (239, 32965), (266, 33004), (274, 33037), (296, 33118), (304, 33163), (318, 33211), (330, 33247), (334, 33256), (336, 33262), (415, 33487),

Gene: Topper_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Topper_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: Torres_24 Start: 23086, Stop: 23907, Start Num: 139

Candidate Starts for Torres_24:

(52, 22849), (54, 22861), (Start: 67 @22900 has 75 MA's), (87, 22960), (120, 23032), (139, 23086), (148, 23107), (201, 23236), (223, 23281), (225, 23284), (273, 23341), (274, 23344), (289, 23389), (297, 23425), (318, 23521), (323, 23533), (353, 23653), (412, 23785),

Gene: Tortellini_22 Start: 21866, Stop: 22936, Start Num: 64

Candidate Starts for Tortellini_22:

(Start: 64 @21866 has 125 MA's), (155, 22106), (166, 22142), (169, 22151), (172, 22157), (199, 22202), (222, 22247), (230, 22265), (239, 22292), (274, 22373), (297, 22454), (335, 22592), (336, 22595),

Gene: Tracker_44 Start: 34752, Stop: 35810, Start Num: 64

Candidate Starts for Tracker_44:

(1, 33312), (2, 33609), (4, 33840), (11, 34209), (30, 34587), (33, 34602), (36, 34620), (Start: 64 @34752 has 125 MA's), (202, 35097), (225, 35148), (243, 35196),

Gene: Tres_33 Start: 32691, Stop: 33854, Start Num: 41

Candidate Starts for Tres_33:

(24, 32544), (Start: 39 @32685 has 9 MA's), (Start: 41 @32691 has 291 MA's), (45, 32730), (53, 32760), (Start: 70 @32805 has 1 MA's), (84, 32850), (125, 32949), (149, 33009), (161, 33045), (170, 33069), (189, 33114), (192, 33120), (215, 33171), (234, 33210), (235, 33213), (239, 33225), (244, 33240), (266, 33264), (274, 33297), (296, 33378), (318, 33471), (330, 33507), (334, 33516), (336, 33522), (415, 33747),

Gene: TreyKay_28 Start: 23290, Stop: 24303, Start Num: 65

Candidate Starts for TreyKay_28:

(49, 23245), (Start: 65 @23290 has 91 MA's), (Start: 108 @23401 has 3 MA's), (152, 23515), (201, 23632), (221, 23674), (228, 23686), (274, 23740), (296, 23818), (314, 23902), (318, 23914), (323, 23926), (336, 23965), (423, 24244),

Gene: TribbleTrouble_27 Start: 23874, Stop: 24935, Start Num: 67

Candidate Starts for TribbleTrouble_27:

(40, 23769), (Start: 67 @23874 has 75 MA's), (79, 23907), (92, 23946), (116, 23997), (120, 24006), (130, 24033), (148, 24081), (171, 24147), (187, 24183), (196, 24198), (204, 24216), (205, 24219), (212, 24234), (262, 24321), (301, 24492), (402, 24792),

Gene: True_32 Start: 32074, Stop: 33234, Start Num: 41

Candidate Starts for True_32:

(Start: 41 @32074 has 291 MA's), (Start: 70 @32185 has 1 MA's), (84, 32230), (125, 32329), (149, 32389), (161, 32425), (170, 32449), (189, 32494), (192, 32500), (215, 32551), (234, 32590), (235, 32593), (239, 32605), (244, 32620), (266, 32644), (274, 32677), (296, 32758), (304, 32803), (318, 32851), (330, 32887), (334, 32896), (336, 32902), (415, 33127),

Gene: TruffulaTree_28 Start: 23319, Stop: 24332, Start Num: 65

Candidate Starts for TruffulaTree_28:

(13, 22875), (49, 23274), (Start: 65 @23319 has 91 MA's), (152, 23544), (201, 23661), (221, 23703), (228, 23715), (274, 23769), (296, 23847), (318, 23943), (323, 23955), (333, 23985), (336, 23994), (372, 24108), (402, 24177),

Gene: Trypo_33 Start: 32370, Stop: 33530, Start Num: 41

Candidate Starts for Trypo_33:

(Start: 41 @32370 has 291 MA's), (Start: 70 @32481 has 1 MA's), (84, 32526), (125, 32625), (149, 32685), (161, 32721), (170, 32745), (189, 32790), (192, 32796), (215, 32847), (234, 32886), (235, 32889), (239, 32901), (244, 32916), (266, 32940), (274, 32973), (296, 33054), (304, 33099), (318,

33147), (330, 33183), (334, 33192), (336, 33198), (415, 33423),

Gene: Twitch_28 Start: 23356, Stop: 24369, Start Num: 65

Candidate Starts for Twitch_28:

(13, 22912), (49, 23311), (Start: 65 @23356 has 91 MA's), (152, 23581), (201, 23698), (221, 23740), (228, 23752), (274, 23806), (296, 23884), (318, 23980), (333, 24022), (336, 24031), (372, 24145), (402, 24214),

Gene: TyDawg_31 Start: 26992, Stop: 28047, Start Num: 64

Candidate Starts for TyDawg_31:

(Start: 64 @26992 has 125 MA's), (144, 27205), (160, 27241), (184, 27304), (229, 27376), (239, 27406), (246, 27427), (267, 27463), (278, 27499), (292, 27547), (296, 27568), (298, 27574), (301, 27604), (302, 27607), (315, 27655), (375, 27844), (383, 27865), (409, 27919),

Gene: Typha_28 Start: 26025, Stop: 27062, Start Num: 64

Candidate Starts for Typha_28:

(Start: 64 @26025 has 125 MA's), (109, 26148), (132, 26202), (144, 26238), (169, 26301), (199, 26349), (228, 26403), (229, 26406), (296, 26592), (301, 26628), (312, 26670), (318, 26688), (336, 26739),

Gene: TyrionL_32 Start: 31933, Stop: 33093, Start Num: 41

Candidate Starts for TyrionL_32:

(Start: 41 @31933 has 291 MA's), (Start: 70 @32044 has 1 MA's), (84, 32089), (125, 32188), (149, 32248), (161, 32284), (170, 32308), (189, 32353), (192, 32359), (215, 32410), (234, 32449), (235, 32452), (239, 32464), (244, 32479), (266, 32503), (274, 32536), (296, 32617), (304, 32662), (318, 32710), (330, 32746), (334, 32755), (336, 32761), (415, 32986),

Gene: UAch1_33 Start: 32383, Stop: 33543, Start Num: 41

Candidate Starts for UAch1_33:

(Start: 41 @32383 has 291 MA's), (Start: 70 @32494 has 1 MA's), (84, 32539), (125, 32638), (149, 32698), (161, 32734), (170, 32758), (189, 32803), (192, 32809), (215, 32860), (234, 32899), (235, 32902), (239, 32914), (266, 32953), (274, 32986), (296, 33067), (304, 33112), (318, 33160), (330, 33196), (334, 33205), (336, 33211), (415, 33436),

Gene: UncleHowie_33 Start: 32073, Stop: 33233, Start Num: 41

Candidate Starts for UncleHowie_33:

(Start: 41 @32073 has 291 MA's), (Start: 70 @32184 has 1 MA's), (84, 32229), (125, 32328), (149, 32388), (161, 32424), (170, 32448), (189, 32493), (192, 32499), (215, 32550), (234, 32589), (235, 32592), (239, 32604), (244, 32619), (266, 32643), (274, 32676), (296, 32757), (304, 32802), (318, 32850), (330, 32886), (334, 32895), (336, 32901), (415, 33126),

Gene: Unicorn_28 Start: 22720, Stop: 23781, Start Num: 67

Candidate Starts for Unicorn_28:

(40, 22630), (50, 22687), (Start: 67 @22720 has 75 MA's), (104, 22819), (148, 22927), (152, 22939), (160, 22960), (201, 23056), (263, 23170), (273, 23221), (301, 23338), (378, 23581), (384, 23599), (402, 23638),

Gene: Urkel_28 Start: 23284, Stop: 24297, Start Num: 65

Candidate Starts for Urkel_28:

(49, 23239), (Start: 65 @23284 has 91 MA's), (Start: 108 @23395 has 3 MA's), (152, 23509), (201, 23626), (221, 23668), (228, 23680), (274, 23734), (296, 23812), (318, 23908), (323, 23920), (336, 23959), (342, 23995), (402, 24142), (423, 24238),

Gene: Usavi_33 Start: 32374, Stop: 33534, Start Num: 41

Candidate Starts for Usavi_33:

(Start: 41 @32374 has 291 MA's), (Start: 70 @32485 has 1 MA's), (84, 32530), (125, 32629), (149, 32689), (161, 32725), (170, 32749), (189, 32794), (192, 32800), (215, 32851), (234, 32890), (235, 32893), (239, 32905), (244, 32920), (266, 32944), (274, 32977), (296, 33058), (304, 33103), (318, 33151), (330, 33187), (334, 33196), (336, 33202), (415, 33427),

Gene: Vaishali24_32 Start: 32035, Stop: 33195, Start Num: 41

Candidate Starts for Vaishali24_32:

(Start: 41 @32035 has 291 MA's), (Start: 70 @32146 has 1 MA's), (84, 32191), (125, 32290), (149, 32350), (161, 32386), (170, 32410), (189, 32455), (192, 32461), (215, 32512), (234, 32551), (235, 32554), (239, 32566), (266, 32605), (274, 32638), (296, 32719), (304, 32764), (318, 32812), (330, 32848), (334, 32857), (336, 32863), (415, 33088),

Gene: Validus_28 Start: 22666, Stop: 23631, Start Num: 65

Candidate Starts for Validus_28:

(54, 22630), (Start: 65 @22666 has 91 MA's), (69, 22672), (Start: 108 @22780 has 3 MA's), (120, 22807), (139, 22861), (165, 22936), (209, 23029), (235, 23083), (296, 23197), (297, 23200), (316, 23284), (336, 23341), (354, 23395), (378, 23437), (392, 23476),

Gene: Valjean_33 Start: 32366, Stop: 33526, Start Num: 41

Candidate Starts for Valjean_33:

(Start: 41 @32366 has 291 MA's), (Start: 70 @32477 has 1 MA's), (84, 32522), (125, 32621), (149, 32681), (161, 32717), (170, 32741), (189, 32786), (192, 32792), (215, 32843), (234, 32882), (235, 32885), (239, 32897), (266, 32936), (274, 32969), (296, 33050), (304, 33095), (318, 33143), (330, 33179), (334, 33188), (336, 33194), (415, 33419),

Gene: Vaticameos_33 Start: 32064, Stop: 33224, Start Num: 41

Candidate Starts for Vaticameos_33:

(Start: 41 @32064 has 291 MA's), (Start: 70 @32175 has 1 MA's), (84, 32220), (125, 32319), (149, 32379), (161, 32415), (170, 32439), (189, 32484), (192, 32490), (215, 32541), (234, 32580), (235, 32583), (239, 32595), (244, 32610), (266, 32634), (274, 32667), (296, 32748), (304, 32793), (318, 32841), (330, 32877), (334, 32886), (336, 32892), (415, 33117),

Gene: Veliki_28 Start: 23359, Stop: 24372, Start Num: 65

Candidate Starts for Veliki_28:

(13, 22915), (23, 23062), (49, 23314), (Start: 65 @23359 has 91 MA's), (Start: 108 @23470 has 3 MA's), (152, 23584), (201, 23701), (221, 23743), (228, 23755), (274, 23809), (296, 23887), (318, 23983), (323, 23995), (333, 24025), (336, 24034), (372, 24148), (402, 24217),

Gene: Venti_22 Start: 21299, Stop: 22336, Start Num: 64

Candidate Starts for Venti_22:

(55, 21275), (Start: 62 @21296 has 8 MA's), (Start: 64 @21299 has 125 MA's), (74, 21323), (125, 21461), (140, 21503), (166, 21572), (199, 21632), (222, 21677), (239, 21722), (274, 21803), (292, 21860), (297, 21884), (323, 21989), (340, 22061), (355, 22106), (421, 22271),

Gene: Veritas_32 Start: 31936, Stop: 33096, Start Num: 41

Candidate Starts for Veritas_32:

(Start: 41 @31936 has 291 MA's), (Start: 70 @32047 has 1 MA's), (84, 32092), (125, 32191), (149, 32251), (161, 32287), (170, 32311), (189, 32356), (192, 32362), (215, 32413), (234, 32452), (235, 32455), (239, 32467), (266, 32506), (274, 32539), (296, 32620), (318, 32713), (330, 32749), (334, 32758), (336, 32764), (415, 32989),

Gene: Vidya_22 Start: 21299, Stop: 22336, Start Num: 64

Candidate Starts for Vidya_22:

(55, 21275), (Start: 62 @21296 has 8 MA's), (Start: 64 @21299 has 125 MA's), (74, 21323), (125, 21461), (140, 21503), (166, 21572), (199, 21632), (222, 21677), (239, 21722), (274, 21803), (292, 21860), (297, 21884), (323, 21989), (340, 22061), (355, 22106), (421, 22271),

Gene: Virapocalypse_33 Start: 32361, Stop: 33521, Start Num: 41

Candidate Starts for Virapocalypse_33:

(Start: 41 @32361 has 291 MA's), (Start: 70 @32472 has 1 MA's), (84, 32517), (125, 32616), (149, 32676), (161, 32712), (170, 32736), (189, 32781), (192, 32787), (215, 32838), (234, 32877), (235, 32880), (239, 32892), (266, 32931), (274, 32964), (296, 33045), (304, 33090), (318, 33138), (330, 33174), (334, 33183), (336, 33189), (415, 33414),

Gene: Virgeve_32 Start: 32141, Stop: 33301, Start Num: 41

Candidate Starts for Virgeve_32:

(Start: 41 @32141 has 291 MA's), (Start: 70 @32252 has 1 MA's), (84, 32297), (125, 32396), (149, 32456), (161, 32492), (170, 32516), (189, 32561), (192, 32567), (215, 32618), (234, 32657), (235, 32660), (239, 32672), (266, 32711), (274, 32744), (296, 32825), (304, 32870), (318, 32918), (330, 32954), (334, 32963), (336, 32969), (415, 33194),

Gene: Vista_33 Start: 32374, Stop: 33534, Start Num: 41

Candidate Starts for Vista_33:

(Start: 41 @32374 has 291 MA's), (Start: 70 @32485 has 1 MA's), (84, 32530), (125, 32629), (149, 32689), (161, 32725), (170, 32749), (189, 32794), (192, 32800), (215, 32851), (234, 32890), (235, 32893), (239, 32905), (244, 32920), (266, 32944), (274, 32977), (296, 33058), (304, 33103), (318, 33151), (330, 33187), (334, 33196), (336, 33202), (415, 33427),

Gene: Vivaldi_33 Start: 32403, Stop: 33563, Start Num: 41

Candidate Starts for Vivaldi_33:

(Start: 41 @32403 has 291 MA's), (Start: 70 @32514 has 1 MA's), (84, 32559), (125, 32658), (149, 32718), (161, 32754), (170, 32778), (189, 32823), (192, 32829), (215, 32880), (234, 32919), (235, 32922), (239, 32934), (266, 32973), (274, 33006), (296, 33087), (304, 33132), (318, 33180), (330, 33216), (334, 33225), (336, 33231), (415, 33456),

Gene: Vordorf_31 Start: 26927, Stop: 27976, Start Num: 66

Candidate Starts for Vordorf_31:

(Start: 66 @26927 has 1 MA's), (127, 27092), (145, 27137), (173, 27215), (228, 27329), (258, 27392), (274, 27443), (286, 27473), (292, 27500), (371, 27776),

Gene: Vortex_33 Start: 32080, Stop: 33240, Start Num: 41

Candidate Starts for Vortex_33:

(Start: 41 @32080 has 291 MA's), (Start: 70 @32191 has 1 MA's), (84, 32236), (125, 32335), (149, 32395), (161, 32431), (170, 32455), (189, 32500), (192, 32506), (215, 32557), (234, 32596), (235, 32599), (239, 32611), (266, 32650), (274, 32683), (296, 32764), (304, 32809), (318, 32857), (330, 32893), (334, 32902), (336, 32908), (415, 33133),

Gene: Wallhey_32 Start: 31937, Stop: 33097, Start Num: 41

Candidate Starts for Wallhey_32:

(Start: 41 @31937 has 291 MA's), (Start: 70 @32048 has 1 MA's), (84, 32093), (125, 32192), (149, 32252), (161, 32288), (170, 32312), (189, 32357), (192, 32363), (215, 32414), (234, 32453), (235, 32456), (239, 32468), (244, 32483), (266, 32507), (274, 32540), (296, 32621), (304, 32666), (318, 32714), (330, 32750), (334, 32759), (336, 32765), (415, 32990),

Gene: Waterdiva_33 Start: 32366, Stop: 33526, Start Num: 41

Candidate Starts for Waterdiva_33:

(Start: 41 @32366 has 291 MA's), (Start: 70 @32477 has 1 MA's), (84, 32522), (125, 32621), (149, 32681), (161, 32717), (170, 32741), (189, 32786), (192, 32792), (215, 32843), (234, 32882), (235, 32885), (239, 32897), (244, 32912), (266, 32936), (274, 32969), (296, 33050), (304, 33095), (318, 33143), (330, 33179), (334, 33188), (336, 33194), (415, 33419),

Gene: Waterfoul_27 Start: 23954, Stop: 25021, Start Num: 64

Candidate Starts for Waterfoul_27:

(Start: 64 @23954 has 125 MA's), (105, 24071), (148, 24176), (150, 24182), (172, 24242), (178, 24257), (190, 24284), (218, 24323), (220, 24326), (228, 24338), (229, 24341), (230, 24344), (235, 24359), (258, 24404), (260, 24410), (278, 24464), (292, 24512), (299, 24542), (310, 24587), (340, 24716), (353, 24770),

Gene: Weher20_33 Start: 32365, Stop: 33525, Start Num: 41

Candidate Starts for Weher20_33:

(Start: 41 @32365 has 291 MA's), (Start: 70 @32476 has 1 MA's), (84, 32521), (125, 32620), (149, 32680), (161, 32716), (170, 32740), (189, 32785), (192, 32791), (215, 32842), (234, 32881), (235, 32884), (239, 32896), (266, 32935), (274, 32968), (296, 33049), (318, 33142), (330, 33178), (334, 33187), (336, 33193), (415, 33418),

Gene: West99_33 Start: 32811, Stop: 33974, Start Num: 41

Candidate Starts for West99_33:

(24, 32664), (Start: 39 @32805 has 9 MA's), (Start: 41 @32811 has 291 MA's), (45, 32850), (53, 32880), (Start: 70 @32925 has 1 MA's), (84, 32970), (125, 33069), (149, 33129), (161, 33165), (170, 33189), (189, 33234), (192, 33240), (215, 33291), (234, 33330), (235, 33333), (239, 33345), (244, 33360), (266, 33384), (274, 33417), (296, 33498), (304, 33543), (318, 33591), (330, 33627), (334, 33636), (336, 33642), (415, 33867),

Gene: WheatThin_27 Start: 23315, Stop: 24382, Start Num: 67

Candidate Starts for WheatThin_27:

(Start: 67 @23315 has 75 MA's), (151, 23525), (228, 23693), (286, 23834), (289, 23849), (292, 23861), (297, 23885), (314, 23969), (354, 24116),

Gene: Wheezy_44 Start: 34957, Stop: 36015, Start Num: 64

Candidate Starts for Wheezy_44:

(1, 33517), (2, 33814), (4, 34045), (11, 34414), (30, 34792), (33, 34807), (36, 34825), (Start: 64 @34957 has 125 MA's), (202, 35302), (225, 35353), (243, 35401),

Gene: WhoseManz_46 Start: 32658, Stop: 33761, Start Num: 64

Candidate Starts for WhoseManz_46:

(Start: 64 @32658 has 125 MA's), (77, 32691), (112, 32787), (178, 32970), (274, 33177), (278, 33186), (296, 33255), (297, 33258), (314, 33342), (332, 33393), (365, 33495), (399, 33579), (402, 33588), (404, 33591),

Gene: Willsammy_22 Start: 21571, Stop: 22605, Start Num: 64

Candidate Starts for Willsammy_22:

(Start: 64 @21571 has 125 MA's), (123, 21727), (125, 21733), (165, 21841), (166, 21844), (172, 21859), (222, 21946), (239, 21991), (274, 22072), (292, 22129), (297, 22153), (323, 22258), (340, 22330), (355, 22375),

Gene: Windsor_32 Start: 32070, Stop: 33230, Start Num: 41

Candidate Starts for Windsor_32:

(Start: 41 @32070 has 291 MA's), (Start: 70 @32181 has 1 MA's), (84, 32226), (125, 32325), (149, 32385), (161, 32421), (170, 32445), (189, 32490), (192, 32496), (215, 32547), (234, 32586), (235, 32589), (239, 32601), (266, 32640), (274, 32673), (296, 32754), (304, 32799), (318, 32847), (330, 32883), (334, 32892), (336, 32898), (415, 33123),

Gene: Wintermute_29 Start: 24585, Stop: 25589, Start Num: 67

Candidate Starts for Wintermute_29:

(Start: 67 @24585 has 75 MA's), (88, 24654), (134, 24753), (150, 24798), (171, 24858), (176, 24867), (191, 24903), (212, 24948), (224, 24969), (226, 24975), (228, 24978), (296, 25110), (297, 25113), (328, 25236), (336, 25257), (421, 25524),

Gene: Xavia_22 Start: 21888, Stop: 22955, Start Num: 64

Candidate Starts for Xavia_22:

(Start: 64 @21888 has 125 MA's), (125, 22050), (140, 22092), (166, 22161), (199, 22221), (222, 22266), (230, 22284), (239, 22311), (274, 22392), (292, 22449), (297, 22473), (339, 22644),

Gene: Xavier_32 Start: 32087, Stop: 33247, Start Num: 41

Candidate Starts for Xavier_32:

(Start: 41 @32087 has 291 MA's), (Start: 70 @32198 has 1 MA's), (84, 32243), (125, 32342), (149, 32402), (161, 32438), (170, 32462), (189, 32507), (192, 32513), (215, 32564), (234, 32603), (235, 32606), (239, 32618), (266, 32657), (274, 32690), (296, 32771), (318, 32864), (330, 32900), (334, 32909), (336, 32915), (415, 33140),

Gene: Xeno_21 Start: 20200, Stop: 21240, Start Num: 61

Candidate Starts for Xeno_21:

(Start: 61 @20200 has 8 MA's), (125, 20365), (140, 20407), (166, 20476), (199, 20536), (222, 20581), (239, 20626), (274, 20707), (292, 20764), (297, 20788), (323, 20893), (340, 20965), (355, 21010),

Gene: Ximenita_29 Start: 22823, Stop: 23818, Start Num: 67

Candidate Starts for Ximenita_29:

(40, 22733), (Start: 67 @22823 has 75 MA's), (104, 22922), (Start: 108 @22928 has 3 MA's), (163, 23078), (201, 23159), (296, 23345), (297, 23348), (315, 23432), (384, 23627), (422, 23756), (425, 23777), (427, 23795),

Gene: Y10_29 Start: 24585, Stop: 25589, Start Num: 67

Candidate Starts for Y10_29:

(Start: 67 @24585 has 75 MA's), (88, 24654), (134, 24753), (150, 24798), (152, 24804), (171, 24858), (176, 24867), (191, 24903), (212, 24948), (224, 24969), (226, 24975), (228, 24978), (296, 25110), (297, 25113), (328, 25236), (336, 25257), (421, 25524),

Gene: Y2_29 Start: 24585, Stop: 25589, Start Num: 67

Candidate Starts for Y2_29:

(Start: 67 @24585 has 75 MA's), (88, 24654), (134, 24753), (150, 24798), (152, 24804), (171, 24858), (176, 24867), (191, 24903), (212, 24948), (224, 24969), (226, 24975), (228, 24978), (296, 25110), (297, 25113), (328, 25236), (336, 25257), (421, 25524),

Gene: Yndexa_46 Start: 34612, Stop: 35703, Start Num: 64

Candidate Starts for Yndexa_46:

(Start: 64 @34612 has 125 MA's), (77, 34645), (112, 34741), (178, 34924), (207, 34993), (274, 35131), (279, 35143), (281, 35146),

Gene: Yoshand_33 Start: 32373, Stop: 33533, Start Num: 41

Candidate Starts for Yoshand_33:

(Start: 41 @32373 has 291 MA's), (Start: 70 @32484 has 1 MA's), (84, 32529), (125, 32628), (149, 32688), (161, 32724), (170, 32748), (189, 32793), (192, 32799), (215, 32850), (234, 32889), (235, 32892), (239, 32904), (244, 32919), (266, 32943), (274, 32976), (296, 33057), (304, 33102), (318, 33150), (330, 33186), (334, 33195), (336, 33201), (415, 33426),

Gene: YouGoGlencoco_33 Start: 32368, Stop: 33528, Start Num: 41

Candidate Starts for YouGoGlencoco_33:

(Start: 41 @32368 has 291 MA's), (Start: 70 @32479 has 1 MA's), (84, 32524), (125, 32623), (149, 32683), (161, 32719), (170, 32743), (189, 32788), (192, 32794), (215, 32845), (234, 32884), (235, 32887), (239, 32899), (244, 32914), (266, 32938), (274, 32971), (296, 33052), (304, 33097), (318, 33145), (330, 33181), (334, 33190), (336, 33196), (415, 33421),

Gene: YoureAdopted_27 Start: 23292, Stop: 24305, Start Num: 65

Candidate Starts for YoureAdopted_27:

(13, 22848), (23, 22995), (49, 23247), (Start: 65 @23292 has 91 MA's), (Start: 108 @23403 has 3 MA's), (152, 23517), (201, 23634), (221, 23676), (228, 23688), (274, 23742), (296, 23820), (318, 23916), (323, 23928), (333, 23958), (336, 23967), (340, 24000), (372, 24081), (402, 24150),

Gene: Yuna_29 Start: 23206, Stop: 24168, Start Num: 65

Candidate Starts for Yuna_29:

(Start: 65 @23206 has 91 MA's), (167, 23476), (172, 23485), (185, 23518), (193, 23530), (197, 23539), (209, 23566), (286, 23689), (297, 23740), (313, 23809), (319, 23830), (363, 23950),

Gene: Yunkel11_28 Start: 22542, Stop: 23603, Start Num: 65

Candidate Starts for Yunkel11_28:

(Start: 65 @22542 has 91 MA's), (Start: 108 @22656 has 3 MA's), (152, 22770), (160, 22791), (197, 22878), (206, 22899), (209, 22905), (282, 23013), (296, 23073), (320, 23193), (321, 23199), (322, 23205), (340, 23295), (388, 23421), (393, 23436),

Gene: Zabiza_28 Start: 23323, Stop: 24336, Start Num: 65

Candidate Starts for Zabiza_28:

(13, 22879), (23, 23026), (49, 23278), (Start: 65 @23323 has 91 MA's), (Start: 108 @23434 has 3 MA's), (152, 23548), (201, 23665), (221, 23707), (228, 23719), (274, 23773), (296, 23851), (318, 23947), (323, 23959), (333, 23989), (336, 23998), (372, 24112), (402, 24181),

Gene: Zaider_34 Start: 32598, Stop: 33758, Start Num: 41

Candidate Starts for Zaider_34:

(Start: 41 @32598 has 291 MA's), (Start: 70 @32709 has 1 MA's), (84, 32754), (125, 32853), (149, 32913), (161, 32949), (170, 32973), (189, 33018), (192, 33024), (215, 33075), (234, 33114), (235, 33117), (239, 33129), (244, 33144), (266, 33168), (274, 33201), (296, 33282), (304, 33327), (318, 33375), (330, 33411), (334, 33420), (336, 33426), (415, 33651),

Gene: Zavala_28 Start: 23298, Stop: 24311, Start Num: 65

Candidate Starts for Zavala_28:

(13, 22854), (49, 23253), (Start: 65 @23298 has 91 MA's), (152, 23523), (201, 23640), (221, 23682), (228, 23694), (274, 23748), (296, 23826), (318, 23922), (323, 23934), (333, 23964), (336, 23973), (372, 24087), (402, 24156),

Gene: Zelda_33 Start: 32415, Stop: 33575, Start Num: 41

Candidate Starts for Zelda_33:

(Start: 41 @32415 has 291 MA's), (Start: 70 @32526 has 1 MA's), (84, 32571), (125, 32670), (149, 32730), (161, 32766), (170, 32790), (189, 32835), (192, 32841), (215, 32892), (234, 32931), (235, 32934), (239, 32946), (266, 32985), (274, 33018), (296, 33099), (304, 33144), (318, 33192), (330,

33228), (334, 33237), (336, 33243), (415, 33468),

Gene: Zilizebeth_22 Start: 21299, Stop: 22336, Start Num: 64

Candidate Starts for Zilizebeth_22:

(55, 21275), (Start: 62 @21296 has 8 MA's), (Start: 64 @21299 has 125 MA's), (74, 21323), (125, 21461), (140, 21503), (166, 21572), (199, 21632), (222, 21677), (239, 21722), (274, 21803), (292, 21860), (297, 21884), (323, 21989), (340, 22061), (355, 22106), (421, 22271),

Gene: ZoeJ_25 Start: 21223, Stop: 22245, Start Num: 67

Candidate Starts for ZoeJ_25:

(27, 21040), (40, 21139), (Start: 67 @21223 has 75 MA's), (104, 21325), (127, 21379), (130, 21385), (150, 21439), (152, 21445), (153, 21448), (182, 21526), (194, 21547), (196, 21550), (221, 21604), (298, 21754), (426, 22213), (427, 22222),

Gene: Zonia_33 Start: 32387, Stop: 33547, Start Num: 41

Candidate Starts for Zonia_33:

(Start: 41 @32387 has 291 MA's), (Start: 70 @32498 has 1 MA's), (84, 32543), (125, 32642), (149, 32702), (161, 32738), (170, 32762), (189, 32807), (192, 32813), (215, 32864), (234, 32903), (235, 32906), (239, 32918), (244, 32933), (266, 32957), (274, 32990), (296, 33071), (304, 33116), (318, 33164), (330, 33200), (334, 33209), (336, 33215), (415, 33440),