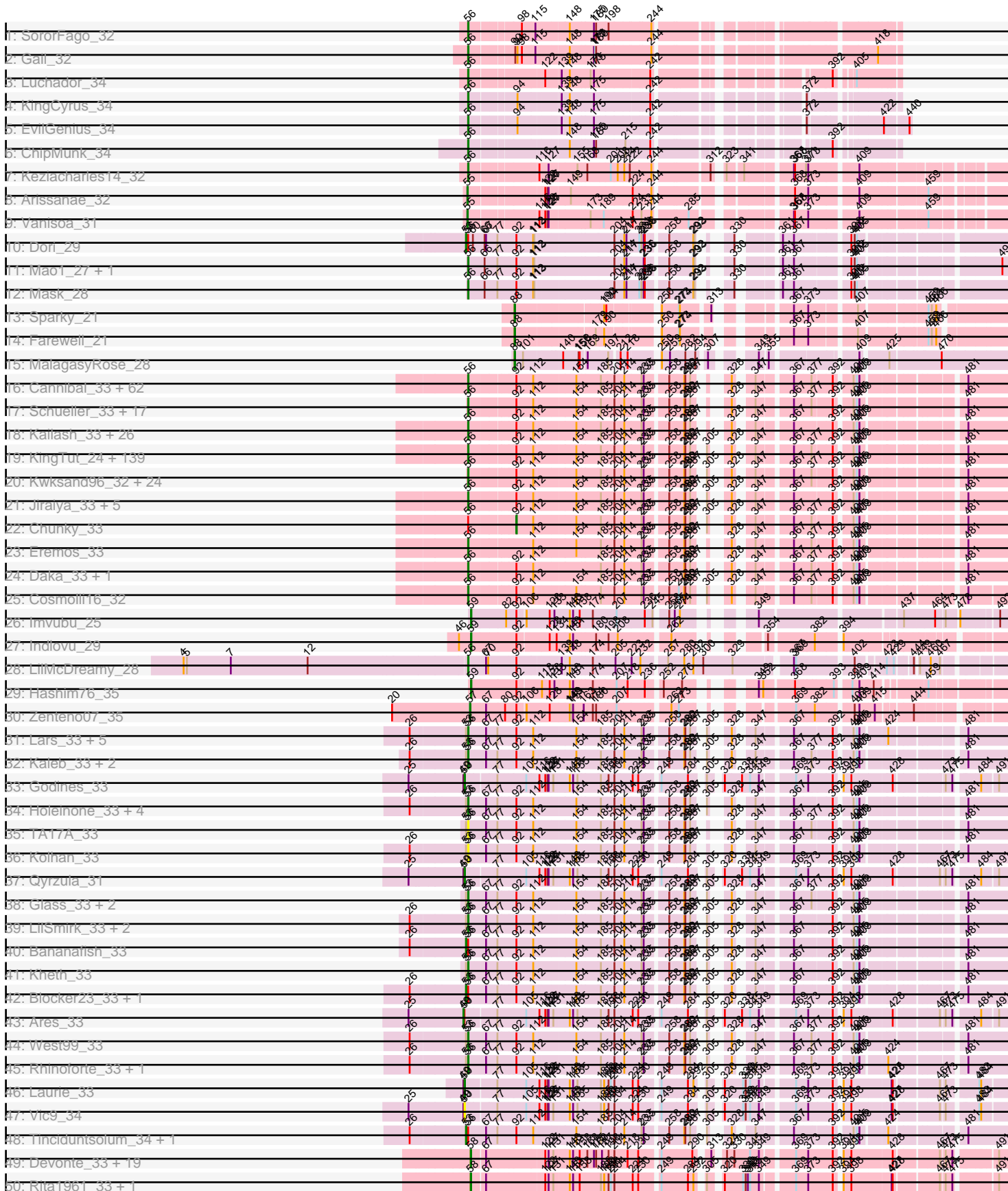
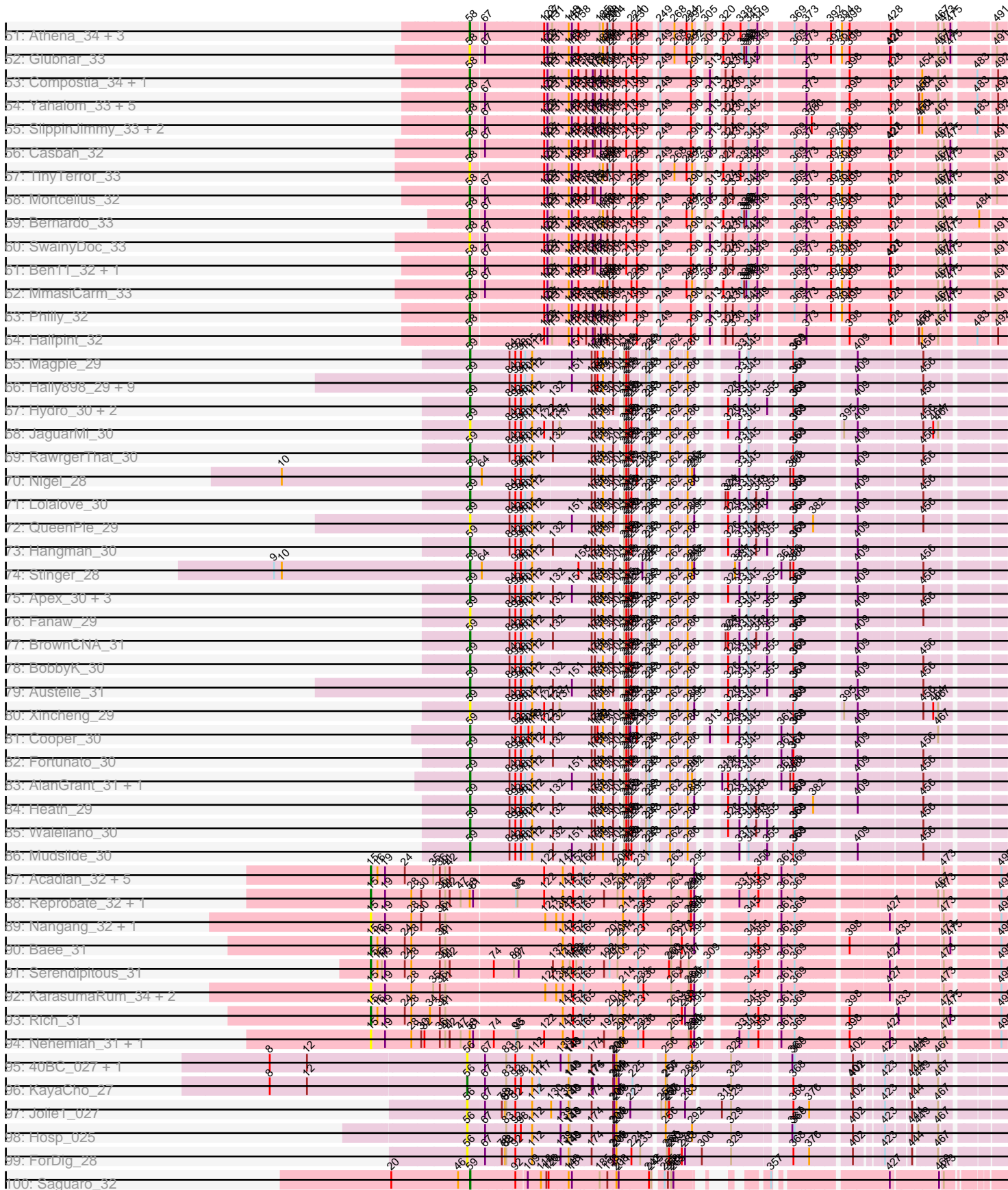


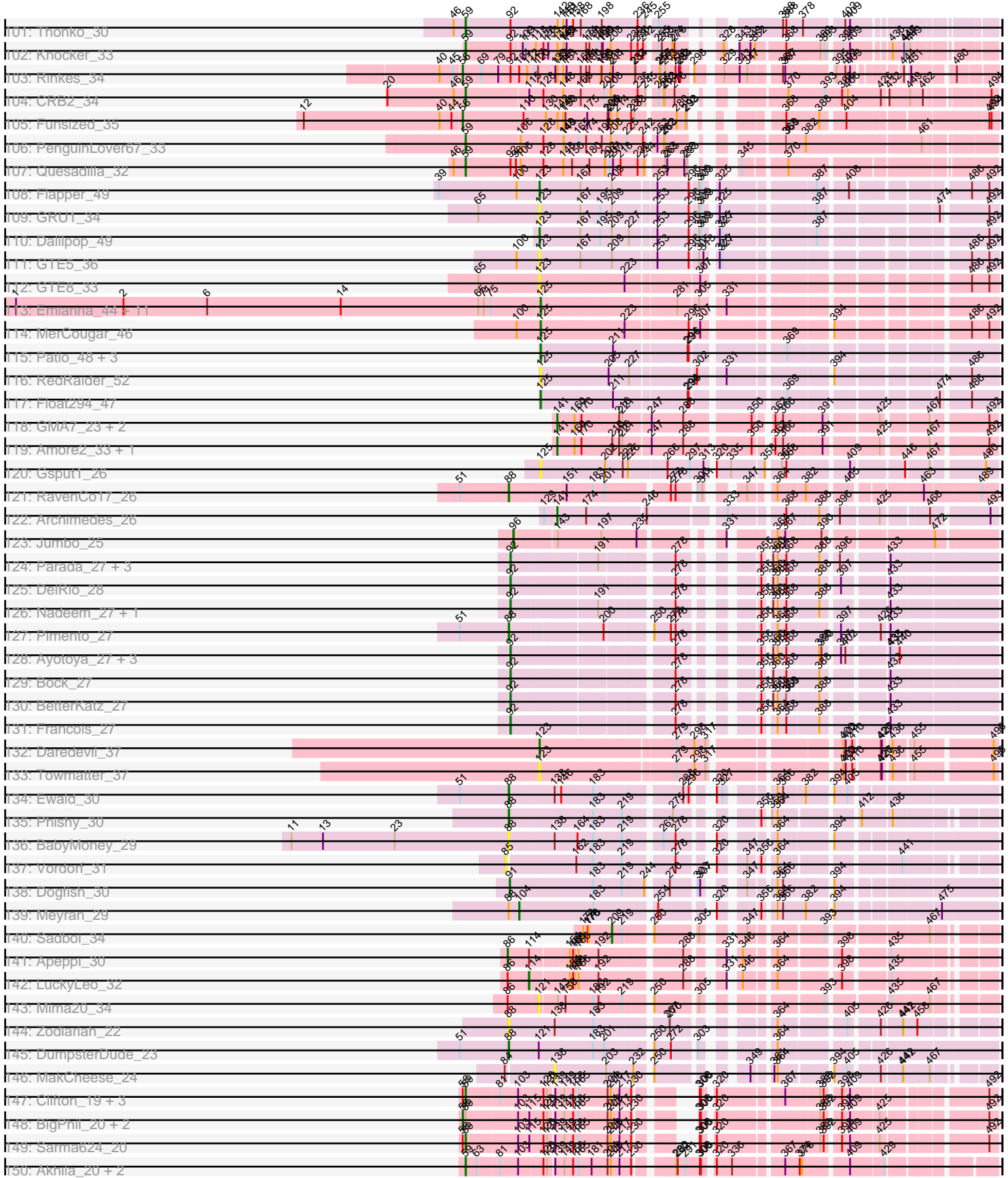
Pham 202540



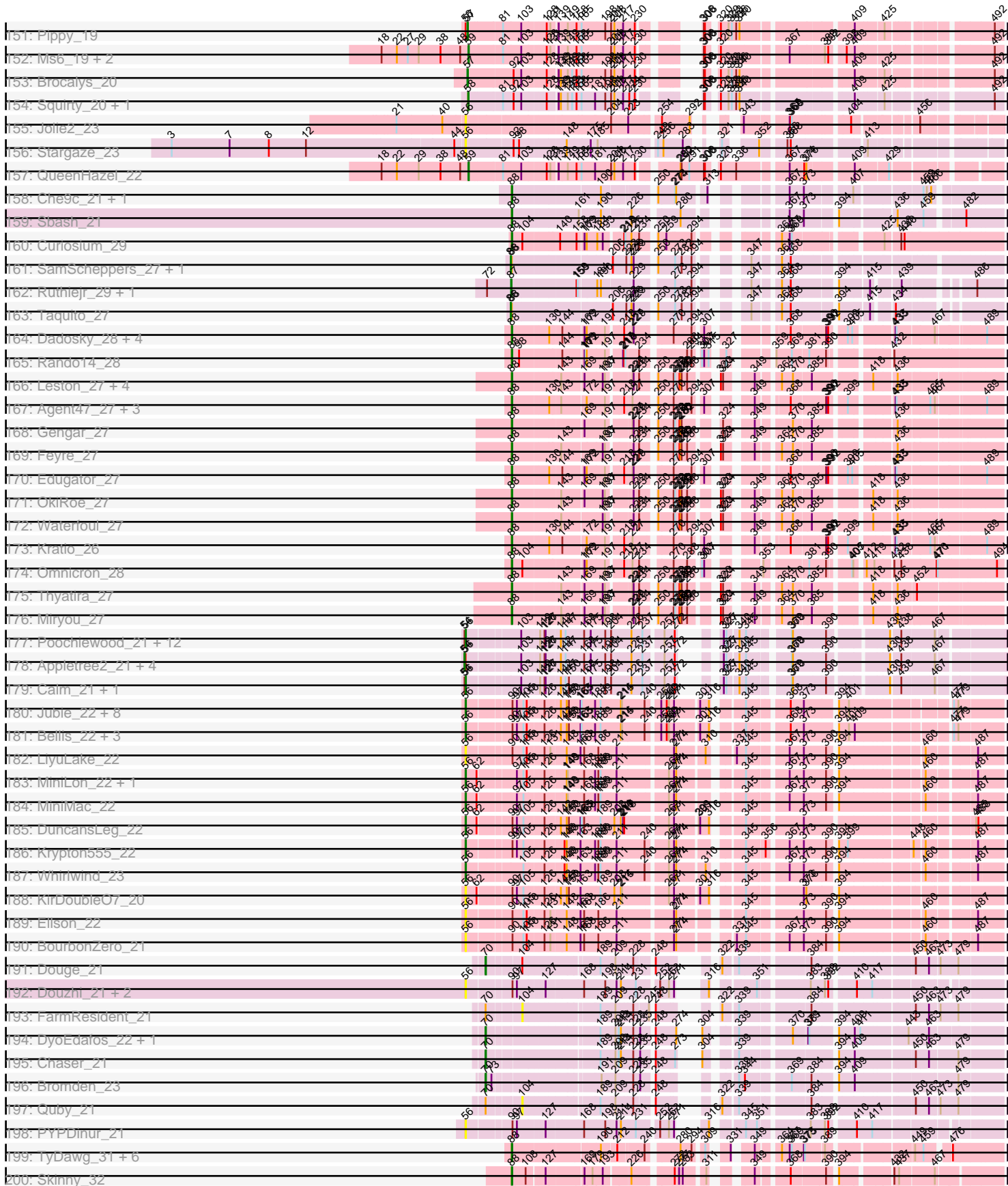
Pham 202540



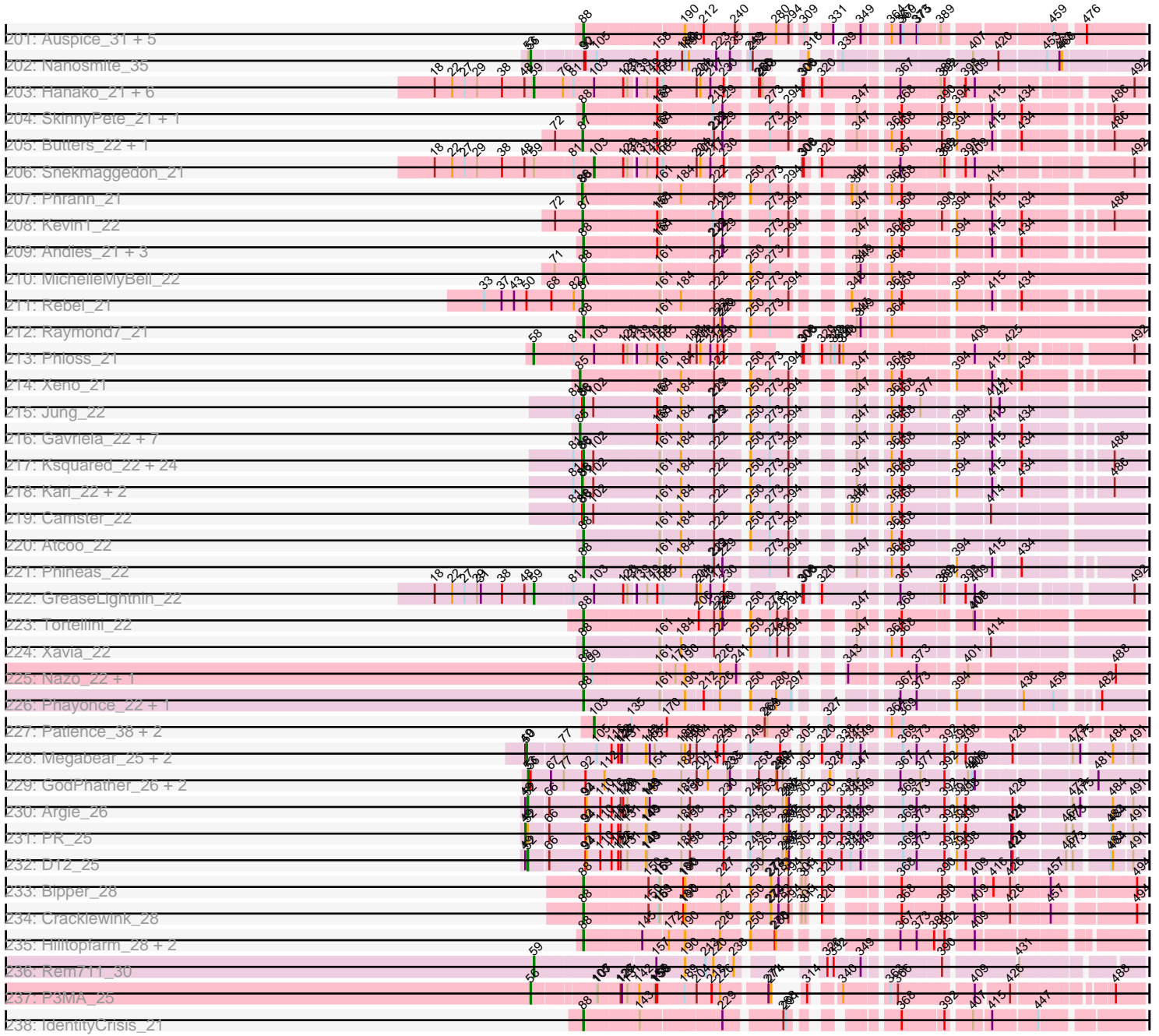
Pham 202540



Pham 202540



Pham 202540



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 202540 Report

This analysis was run 01/18/25 on database version 583.

Pham number 202540 has 734 members, 101 are drafts.

Phages represented in each track:

- Track 1 : SororFago_32
- Track 2 : Gail_32
- Track 3 : Luchador_34
- Track 4 : KingCyrus_34
- Track 5 : EvilGenius_34
- Track 6 : ChipMunk_34
- Track 7 : Keziacharles14_32
- Track 8 : Arissanae_32
- Track 9 : Vanisoa_31
- Track 10 : Dori_29
- Track 11 : Mao1_27, Sejanus_28
- Track 12 : Mask_28
- Track 13 : Sparky_21
- Track 14 : Farewell_21
- Track 15 : MalagasyRose_28
- Track 16 : Cannibal_33, Manad_32, Hocus_32, Morgushi_33, Chute_32, Podrick_33, UAch1_33, Schadenfreude_32, Timmi_32, PhrodoBaggins_32, Phleuron_32, Megatron_33, LeeLot_33, Robyn_32, PinheadLarry_33, Lopsy_32, ProfessorX_33, Chaelin_33, Anderson_33, Harvey_33, SassyCat97_32, Chah_34, RedMaple_32, Iridoclysis_33, Kloppinator_33, Colbert_33, SilverBell_33, Zelda_33, DonSanchon_32, Legolas_32, Thora_33, EmpTee_33, Carthage_31, Brilliant_33, Skippy_33, Coletti_32, ShiVal_33, Antonia_32, Daffy_33, Squid_33, Morty_33, Roscoe_34, Vaishali24_32, Windsor_32, Virgeve_32, Vortex_33, Vivaldi_33, Tooj_33, Aelin_32, DelRivs_32, Gwennie1_33, Spartan300_33, Suffolk_33, Sophia_32, Surely_33, Hetaeria_33, Chorkpop_33, Keitherie_33, Olive_33, Soile_33, Mulan_32, Valjean_33, Quisquilliae_33
- Track 17 : Schueller_33, Gophee_33, Puhltonio_33, Phipps_33, Andre_33, Beaglebox_32, Telesworld_32, Riggan_33, Apizium_32, Altwerkus_32, Plmatters_33, DoesntMatter_33, Fringe_33, Numberten_33, Slatt_33, Virapocalypse_33, Burr_32, JangoPhett_33
- Track 18 : Kailash_33, LostAndPhound_32, Potter_32, Mag7_32, CampRoach_33, Jiminy_32, Caspiboi_34, LasagnaCat_33, Veritas_32, Swiphy_34, Doddsville_33, MitKao_33, Hartsy_33, Weher20_33, PhatLouie_33, Melc17_33, PhrankReynolds_32, Phergie_32, PhenghisKhan_32, Xavier_32, Mosaic_32, DuchessDung_31, Dati_33, BatteryCK_32, Oline_32, Iridessa_33, MichaelPhcott_32
- Track 19 : KingTut_24, Mana_32, Freya_32, Olak_32, Jillium_32, Childish_32, Sigman_33, Scoot17C_33, BlackStallion_33, Lasso_33, Mcshane_32, Mecca_32,

Samaymay_33, IsaacEli_33, Haleema_32, Scrick_33, Bishoperium_32, Lulumae_32, AltPhacts_33, Craff_33, Orion_33, Lulwa_33, Ricotta_32, Dingo_33, FriarPreacher_33, Murdoc_33, Bluephacebaby_32, Squiggle_33, Kwadwo_32, Pacifista_32, Roliet_33, Tomlarah_33, GeneCoco_33, Hertubise_33, Omniscient_33, Badfish_33, Adriana_33, Phareon_33, Held_33, Lego3393_33, Giraffe_33, Kimbrough_33, Lumine_32, Horchata_33, Oosterbaan_33, Longacauda_32, Nyala_32, Basato_34, Matalotodo_33, KingVeVeVe_33, Kahve_32, Usavi_33, LeiMonet_33, Inverness_33, Eugenia_33, LemonSlice_33, MRabcd_32, LuckyMarjie_32, HighStump_32, HSavage_33, DirtJuice_33, Vaticameos_33, Frankicide_33, Mesh1_33, Dice_32, Sheila_33, Cher_32, JacAttac_33, HenryJackson_32, Dione_32, Katniss_33, Grand2040_32, Charles1_33, Megamind20_33, PhatCats2014_33, True_32, Soto_33, PG1_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, Nathan_34, OliverWalter_33, Yoshand_33, FluffyNinja_33, Toni_32, QueenBeane_33, Mutante_32, TallGrassMM_33, Serendipity_33, Roy17_33, Nacho_0033, Labeouficaum_32, CheetO_33, Placalicious_32, Serpentine_0033, KlimbOn_33, Haimas_33, Mikota_33, Waterdiva_33, Nicole21_33, Banjo_32, Jesabah_33, Solosis_32, Vista_33, Selr12_33, Maru_32, Mesmerelda_33, Kikipoo_33, Inchworm_33, UncleHowie_33, MiniBoss_33, Prickles_33, ThreeOh3D2_33, Pherdinand_33, Orwigg_33, Derpp_32, Magic8_33, TyrionL_32, Zonia_33, Boehler_33, KLucky39_33, AbsoluteMadLad_32, Buckeye_33, Swish_33, Pipsqueak_33, SDcharge11_33, Fang_33, YouGoGlencoco_33, Duggie_32, Wallhey_32

- Track 20 : Kwksand96_32, Durga_33, MelsMeow_32, Ashraf_32, Gwilliam_33, Emiris_33, Cobra_33, JDog_32, Fozzie_32, AngelCake_32, Pops_33, ElvisPhasley_33, Gyarad_0033, OSmaximus_33, Etaye_33, Newman_33, Trypo_33, ImtiyazSitla_32, Khan1_33, CharlieGBrown_32, Rimu_34, Crownjwl_33, MrPhizzler_32, Maskar_32, Gareth_32

- Track 21 : Jiraiya_33, TomBombadil_33, JakeO_32, Struggle_32, DaddyDaniels_33, Thunderbird_32

- Track 22 : Chunky_33

- Track 23 : Eremos_33

- Track 24 : Daka_33, Cornobble_32

- Track 25 : Cosmolli16_32

- Track 26 : Imvubu_25

- Track 27 : Indlovu_29

- Track 28 : LilMcDreamy_28

- Track 29 : Hashim76_35

- Track 30 : Zenteno07_35

- Track 31 : Lars_33, Rosebush_33, Allegro_33, Arbiter_33, Hedgerow_33, FrenchFry_33

- Track 32 : Kaleb_33, Eaglehorse_33, LizLemon_33

- Track 33 : Godines_33

- Track 34 : Holeinone_33, Coffee_33, Opia_33, Sabella_33, Tres_33

- Track 35 : TA17A_33

- Track 36 : Kolhan_33

- Track 37 : Qyrzula_31

- Track 38 : Glass_33, Phantasmagoria_33, Faze9_33

- Track 39 : LilSmirk_33, ItsyBitsy1_33, Calamitous_33

- Track 40 : Bananafish_33

- Track 41 : Kheth_33

- Track 42 : Blocker23_33, Lephleur_33

- Track 43 : Ares_33
- Track 44 : West99_33
- Track 45 : Rhinoforte_33, Boyle_33
- Track 46 : Laurie_33
- Track 47 : Vic9_34
- Track 48 : Tinciduntolum_34, Brownie5_33
- Track 49 : Devonte_33, RomaT_33, Nozo_33, ChaChing_33, Morty007_33, Marley1013_33, OrangeOswald_33, Heathcliff_33, Akoma_33, Chandler_33, LestyG_33, Abinghost_33, Deenasa_33, RagingRooster_33, Chentzyk_32, Audrey_33, SynergyX_33, Chalmers_33, Neos5_33, Daisy_33
- Track 50 : Rita1961_33, Obutu_33
- Track 51 : Athena_34, Gervas_33, Tydolla_33, Baloo_33
- Track 52 : Glubnar_33
- Track 53 : Compostia_34, GlenHope_34
- Track 54 : Yahalom_33, Phlyer_33, Jackstina_30, Phaedrus_31, Gadget_34, HarveySr_33
- Track 55 : SlippinJimmy_33, Kamiyu_33, Yinz_33
- Track 56 : Casbah_32
- Track 57 : TinyTerror_33
- Track 58 : Mortcellus_32
- Track 59 : Bernardo_33
- Track 60 : SwainyDoc_33
- Track 61 : Ben11_32, Kronus_32
- Track 62 : MmasiCarm_33
- Track 63 : Philly_32
- Track 64 : Halfpint_32
- Track 65 : Magpie_29
- Track 66 : Hally898_29, Antihero_29, Ahwei_29, Poster_29, JAMaL_30, ChrisnMich_29, Lambano_29, Epah_29, GinPorsche_29, Nanao_29
- Track 67 : Hydro_30, Mithril_30, Zemanar_31
- Track 68 : JaguarMi_30
- Track 69 : RawrgerThat_30
- Track 70 : Nigel_28
- Track 71 : Lolalove_30
- Track 72 : QueenPie_29
- Track 73 : Hangman_30
- Track 74 : Stinger_28
- Track 75 : Apex_30, VioletZ_30, Prince_30, Frederick_30
- Track 76 : Fanaw_29
- Track 77 : BrownCNA_31
- Track 78 : BobbyK_30
- Track 79 : Austelle_31
- Track 80 : Xincheng_29
- Track 81 : Cooper_30
- Track 82 : Fortunato_30
- Track 83 : AlanGrant_31, Vincenzo_31
- Track 84 : Heath_29
- Track 85 : Waleliano_30
- Track 86 : Mudslide_30
- Track 87 : Acadian_32, Rita130_32, EastView9101_31, Donny_32, Suigeneris_32, SirJeffery_32
- Track 88 : Reprobate_32, Phelemich_32
- Track 89 : Nangang_32, DigitDog_32

- Track 90 : Bae_31
- Track 91 : Serendipitous_31
- Track 92 : KarasumaRum_34, StinkyVeggy_34, Shenyu_32
- Track 93 : Rich_31
- Track 94 : Nehemiah_31, Mysterious_33
- Track 95 : 40BC_027, 39HC_027
- Track 96 : KayaCho_27
- Track 97 : Jolie1_027
- Track 98 : Hosp_025
- Track 99 : ForDig_28
- Track 100 : Saguaro_32
- Track 101 : Thonko_30
- Track 102 : Knocker_33
- Track 103 : Rinkes_34
- Track 104 : CRB2_34
- Track 105 : Funsized_35
- Track 106 : PenguinLover67_33
- Track 107 : Quesadilla_32
- Track 108 : Flapper_49
- Track 109 : GRU1_34
- Track 110 : Dalilpop_49
- Track 111 : GTE5_36
- Track 112 : GTE8_33
- Track 113 : Emianna_44, Kurt_44, NovumRegina_44, GrootJr_46, Tracker_44, Arti_44, NatB6_44, KidneyBean_44, Phomeo_43, Foxboro_45, Wheezy_44, Jifall16_43
- Track 114 : MerCougar_46
- Track 115 : Patio_48, Skysand_47, Ennea_51, Lollipop1437_50
- Track 116 : RedRaider_52
- Track 117 : Float294_47
- Track 118 : GMA7_23, HayZem_32, Austin_33
- Track 119 : Amore2_33, GTE7_23
- Track 120 : Gspu1_26
- Track 121 : RavenCo17_26
- Track 122 : Archimedes_26
- Track 123 : Jumbo_25
- Track 124 : Parada_27, Brylie_27, Mulch_27, NancyRae_27
- Track 125 : DelRio_28
- Track 126 : Nadeem_27, WheatThin_27
- Track 127 : Pimento_27
- Track 128 : Ayotoya_27, Hamood_27, Chop_27, GrandSlam_27
- Track 129 : Bock_27
- Track 130 : BetterKatz_27
- Track 131 : Francois_27
- Track 132 : Daredevil_37
- Track 133 : Towmatter_37
- Track 134 : Ewald_30
- Track 135 : Phishy_30
- Track 136 : BabyMoney_29
- Track 137 : Vordorf_31
- Track 138 : Dogfish_30
- Track 139 : Meyran_29
- Track 140 : Sadboi_34

- Track 141 : Apeppi_30
- Track 142 : LuckyLeo_32
- Track 143 : Mima20_34
- Track 144 : Zodiariah_22
- Track 145 : DumpsterDude_23
- Track 146 : MakCheese_24
- Track 147 : Clifton_19, LastJedi_19, Crumble_19, Koella_19
- Track 148 : BigPhil_20, Cerasum_20, Velveteen_20
- Track 149 : Sarma624_20
- Track 150 : Akhila_20, Xula_21, MilanaBonita_20
- Track 151 : Pippy_19
- Track 152 : Ms6_19, SpongeBob_21, Jamie19_21
- Track 153 : Brocalys_20
- Track 154 : Squirty_20, Fulbright_21
- Track 155 : Jolie2_23
- Track 156 : Stargaze_23
- Track 157 : QueenHazel_22
- Track 158 : Che9c_21, Purky_22
- Track 159 : Sbash_21
- Track 160 : Curiosium_29
- Track 161 : SamScheppers_27, Eponine_29
- Track 162 : Ruthiejr_29, Juliette_30
- Track 163 : Taquito_27
- Track 164 : Dadosky_28, Larva_28, Neighly_28, AlleyCat_28, Psycho_28
- Track 165 : Rando14_28
- Track 166 : Leston_27, Heftyboy_27, Paola_27, Guillsminger_27, SoSeph_27
- Track 167 : Agent47_27, Collard_27, ViviJ_26, InvictusManeo_27
- Track 168 : Gengar_27
- Track 169 : Feyre_27
- Track 170 : Edugator_27
- Track 171 : OkiRoe_27
- Track 172 : Waterfoul_27
- Track 173 : Kratio_26
- Track 174 : Omnicron_28
- Track 175 : Thyatira_27
- Track 176 : Miryou_27
- Track 177 : Poochiewood_21, Tyson_21, Wamburggrxpress_21, MAckerman_21, Silverleaf_21, AvadaKedavra_21, Acquire49_21, OhShagHennessy_21, Enceladus_21, Rose5_21, DirkDirk_21, Halena_21, Wyatt2_21
- Track 178 : Appletree2_21, UPIE_21, LeBron_21, CicholasNage_21, JoeDirt_21
- Track 179 : Calm_21, Zaria_21
- Track 180 : Jubie_22, Jobypre_22, Nicholas_22, Lumos_22, Snenia_22, TriFive_22, Kingsolomon_22, Clautastrophe_22, MsGreen_22
- Track 181 : Bellis_22, Finnry_22, Moostard_22, Samty_22
- Track 182 : LiyuLake_22
- Track 183 : MiniLon_22, Lolly9_22
- Track 184 : MiniMac_22
- Track 185 : DuncansLeg_22
- Track 186 : Krypton555_22
- Track 187 : Whirlwind_23
- Track 188 : KirDoubleO7_20
- Track 189 : Ellson_22
- Track 190 : BourbonZero_21

- Track 191 : Douge_21
- Track 192 : Douzhi_21, Sheng711_21, BrainDrainer_22
- Track 193 : FarmResident_21
- Track 194 : DyoEdafos_22, Kropertea_21
- Track 195 : Chaser_21
- Track 196 : Bromden_23
- Track 197 : Quby_21
- Track 198 : PYPDinur_21
- Track 199 : TyDawg_31, FreakyGoo_31, LilhomieP_30, Bongo_31, Bricole_31, IPhane7_31, PegLeg_31
- Track 200 : Skinny_32
- Track 201 : Auspice_31, Diminimus_32, SlimJimmy_30, Izel_30, Dulcita_32, Glaske16_32
- Track 202 : Nanosmite_35
- Track 203 : Hanako_21, Nенаe_21, Redi_21, PhancyPhin_21, BabeRuth_21, ShrimpFriedEgg_21, Purgamenstris_21
- Track 204 : SkinnyPete_21, Panchino_21
- Track 205 : Butters_22, Rubeelu_22
- Track 206 : Snekmaggedon_21
- Track 207 : Phrann_21
- Track 208 : Kevin1_22
- Track 209 : Andies_21, Willsammy_22, Dynamo_22, Scitech_21
- Track 210 : MichelleMyBell_22
- Track 211 : Rebel_21
- Track 212 : Raymond7_21
- Track 213 : Phloss_21
- Track 214 : Xeno_21
- Track 215 : Jung_22
- Track 216 : Gavriela_22, StressBall_22, Glaske_22, CactusJack_22, Shweta_21, Megiddo_22, KilKor_22, Phalm_22
- Track 217 : Ksqquared_22, Phegasus_22, Fishburne_22, Techage_22, Brusacoram_22, Zilizebeth_22, Juniormint_22, Jebeks_22, Sonah_22, Bartholomew_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 218 : Kari_22, Langerak_22, Malithi_22
- Track 219 : Camster_22
- Track 220 : Atcoo_22
- Track 221 : Phineas_22
- Track 222 : GreaseLightnin_22
- Track 223 : Tortellini_22
- Track 224 : Xavia_22
- Track 225 : Nazo_22, BigNuz_22
- Track 226 : Phayonce_22, ThulaThula_22
- Track 227 : Patience_38, Labelle_37, Madruga_36
- Track 228 : Megabear_25, Cepens_25, Taptic_25
- Track 229 : GodPhather_26, MasterPo_33, Jeon_25
- Track 230 : Argie_26
- Track 231 : PR_25
- Track 232 : D12_25
- Track 233 : Bipper_28
- Track 234 : Cracklewink_28
- Track 235 : Hilltopfarm_28, AuntGwenStacy_28, Typha_28

- Track 236 : Rem711_30
- Track 237 : P3MA_25
- Track 238 : 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 56, it was called in 333 of the 633 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 39HC_027, 40BC_027, ABU_33, AbsoluteMadLad_32, Acquire49_21, Adriana_33, Aelin_32, Allegro_33, AltPhacts_33, Altwerkus_32, Anderson_33, Andre_33, AngelCake_32, Antonia_32, Apizium_32, Arbiter_33, Ashraf_32, AvadaKedavra_21, Badfish_33, Banjo_32, Basato_34, BatteryCK_32, Beaglebox_32, Bellis_22, BigPhil_20, Bishoperium_32, BlackStallion_33, BlueHusk_33, Bluephacebaby_32, Boehler_33, BourbonZero_21, Boyle_33, BrainDrainer_22, Brilliant_33, Buckeye_33, Burr_32, Calamitous_33, Calm_21, CamL_33, CampRoach_33, Cannibal_33, Carthage_31, Caspiboi_34, Cerasum_20, Chaelin_33, Chah_34, Charles1_33, CharlieGBrown_32, CheetO_33, Cher_32, Childish_32, ChipMunk_34, Chorkpop_33, Chute_32, Clautastrophe_22, 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, DirkDirk_21, DirtJuice_33, Doddsville_33, DoesntMatter_33, DonSanchon_32, Douzhi_21, DuchessDung_31, Duggie_32, DuncansLeg_22, Durga_33, Eaglehorse_33, Ellson_22, ElvisPhasley_33, Emiris_33, EmpTee_33, Enceladus_21, Eremos_33, Etaye_33, Eugenia_33, EvilGenius_34, Fang_33, Faze9_33, Finnry_22, FluffyNinja_33, ForDig_28, Fozzie_32, Frankicide_33, FrenchFry_33, Freya_32, FriarPreacher_33, Fringe_33, FugateOSU_32, Funsized_35, Gail_32, Gareth_32, GeneCoco_33, Giraffe_33, Glass_33, Gophee_33, Grand2040_32, Gwennie1_33, Gwilliam_33, Gyarad_0033, HSavage_33, Haimas_33, Haleema_32, Halena_21, 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, Iridessa_33, Iridoclysis_33, IsaacEli_33, ItsyBitsy1_33, JDog_32, JacAttac_33, JakeO_32, JangoPhett_33, Jesabah_33, Jillium_32, Jiminy_32, Jiraiya_33, Jobypre_22, Jolie1_027, Jolie2_23, Jubie_22, KLucky39_33, Kahve_32, Kailash_33, Kaleb_33, Katniss_33, KayaCho_27, Keitherie_33, Keziacharles14_32, Khan1_33, Kheth_33, Kikipoo_33, Kimbrough_33, KingCyrus_34, KingTut_24, KingVeVeVe_33, Kingsolomon_22, KirDoubleO7_20, KlimbOn_33, Kloppinator_33, Kolhan_33, Krypton555_22, Kwadwo_32, Kwksand96_32, Labeouficaum_32, Lars_33, LasagnaCat_33, Lasso_33, LeeLot_33, Lego3393_33, Legolas_32, LeiMonet_33, LemonSlice_33, LilMcDreamy_28, LilSmirk_33, LiyuLake_22, LizLemon_33, Lolly9_22, Longacauda_32, Lopsy_32, LostAndPhound_32, Luchador_34, LuckyMarjie_32, Lulumae_32, Lulwa_33, Lumine_32, Lumos_22, MAckerman_21, 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, Mesmerelda_33, MichaelPhcott_32, Mikota_33, MiniBoss_33, MiniLon_22, MiniMac_22, MitKao_33, Moostard_22, Morgushi_33, Morty_33, Mosaic_32, MrPhizzler_32, MsGreen_22, Mulan_32, Murdoc_33, Mutante_32, Nacho_0033, Nanosmite_35, Nathan_34,

Newman_33, Nicholas_22, Nicole21_33, Numberten_33, Nyala_32, OSmaximus_33, OhShagHennessey_21, Olak_32, Oline_32, Olive_33, OliverWalter_33, Omniscient_33, Oosterbaan_33, Opia_33, Orfeu_32, Orion_33, Orwig_33, P3MA_25, PG1_33, PYPDinur_21, 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, Poochiewood_21, Pops_33, Potter_32, Prickles_33, ProfessorX_33, Puhltonio_33, QueenBeane_33, Quisquiliae_33, RedMaple_32, Rhinoforte_33, Ricotta_32, Riggan_33, Rimu_34, Rinkes_34, Robyn_32, Roliet_33, Roscoe_34, Rose5_21, Rosebush_33, Roy17_33, SDcharge11_33, Sabella_33, Samaymay_33, Samty_22, SassyCat97_32, Schadenfreude_32, Schueller_33, Scoot17C_33, Scrick_33, Sejanus_28, Selr12_33, Serendipity_33, Serpentine_0033, Sheila_33, Sheng711_21, ShiVal_33, Sigman_33, SilverBell_33, Silverleaf_21, Simielle_32, Skippy_33, Slatt_33, Snenia_22, Soile_33, Solosis_32, Sophia_32, SororFago_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, TriFive_22, True_32, Trypo_33, TyrionL_32, Tyson_21, UAch1_33, UncleHowie_33, Usavi_33, Vaishali24_32, Valjean_33, Vaticameos_33, Velveteen_20, Veritas_32, Virapocalypse_33, Virgeve_32, Vista_33, Vivaldi_33, Vortex_33, Wallhey_32, Wamburgrxpress_21, Waterdiva_33, Weher20_33, West99_33, Whirlwind_23, Windsor_32, Wyatt2_21, Xavier_32, Yoshand_33, YouGoGlencoco_33, Zaider_34, Zaria_21, Zelda_33, Zonia_33,

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

- Appletree2_21, Bananafish_33, Blocker23_33, Brownie5_33, Chunky_33, CicholasNage_21, Clifton_19, Crumble_19, Dori_29, GodPhather_26, Jeon_25, JoeDirt_21, Koella_19, LastJedi_19, LeBron_21, Lephleur_33, MasterPo_33, Pippy_19, Sarma624_20, Tinciduntolum_34, UPIE_21,

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

- Abinghost_33, Acadian_32, Agent47_27, Ahwei_29, Akhila_20, Akoma_33, AlanGrant_31, AlleyCat_28, Amore2_33, Andies_21, Antihero_29, Apeppi_30, Apex_30, Archimedes_26, Ares_33, Argie_26, Arib1_22, Arissanae_32, Arti_44, Atcoo_22, Athena_34, Audrey_33, AuntGwenStacy_28, Auspice_31, Austelle_31, Austin_33, Ayotoya_27, BabeRuth_21, Babsiella_22, BabyMoney_29, Bae_31, Baloo_33, Bartholomew_22, Ben11_32, Bernardo_33, BetterKatz_27, BigNuz_22, Bipper_28, BobbyK_30, Bock_27, Bongo_31, Bricole_31, Brocalys_20, Bromden_23, BrownCNA_31, Brusacoram_22, Brylie_27, Bunnies_22, Butters_22, CRB2_34, CactusJack_22, Camster_22, Casbah_32, Cepens_25, ChaChing_33, Chalmers_33, Chandler_33, Chaser_21, Che9c_21, Chentzyk_32, Chop_27, ChrisnMich_29, Collard_27, Compostia_34, Cooper_30, Cracklewink_28, Curiosium_29, D12_25, Dadosky_28, Daisy_33, Dalilpop_49, Daredevil_37, Deenasa_33, DelRio_28, Devonte_33, DigitDog_32, Diminimus_32, Dogfish_30, Donny_32, Donovan_22, Douge_21, Dulcita_32, DumpsterDude_23, Dynamo_22, DyoEdafos_22, EastView9101_31, Edugator_27, Emianna_44, Ennea_51, Epah_29, Eponine_29, Ewald_30, Fanaw_29, Farewell_21, FarmResident_21, Feyre_27, FirstPlacePfu_22, Fishburne_22, Flapper_49, Float294_47, Fortunato_30, Foxboro_45, Francois_27, FreakyGoo_31, Frederick_30, Fulbright_21, GMA7_23, GRU1_34, GTE5_36, GTE7_23, GTE8_33, Gadjet_34, Gavriela_22, Gengar_27, Gervas_33,

GinPorsche_29, Glaske16_32, Glaske_22, GlenHope_34, Glubnar_33, Godines_33, GrandSlam_27, GreaseLightnin_22, GrootJr_46, Gsput1_26, Guillsminger_27, HC_22, HUHilltop_22, Halfpint_32, Hally898_29, Hamood_27, Hanako_21, Hangman_30, HarveySr_33, Hashim76_35, HayZem_32, Heath_29, Heathcliff_33, Heftyboy_27, Hilltopfarm_28, Hydro_30, IPhane7_31, IdentityCrisis_21, Imvubu_25, Indlovu_29, InvictusManeo_27, Izel_30, JAMaL_30, Jackstina_30, JaguarMi_30, Jamie19_21, Jebeks_22, Jifall16_43, Juliette_30, Jumbo_25, Jung_22, Junormint_22, Kamiyu_33, KarasumaRum_34, Kari_22, Kevin1_22, KidneyBean_44, KilKor_22, Knocker_33, Kratio_26, Kronus_32, Kropertea_21, Ksquared_22, Kurt_44, Labelle_37, Lambano_29, Langerak_22, Larva_28, Laurie_33, Leston_27, LestyG_33, LilhomieP_30, Lolalove_30, Lollipop1437_50, LuckyLeo_32, Madruga_36, Magpie_29, Majeke_22, MakCheese_24, MalagasyRose_28, Malithi_22, Mangethe_22, Marley1013_33, Megabear_25, Megiddo_22, MerCougar_46, Meyran_29, MichelleMyBell_22, MilanaBonita_20, Mima20_34, Miryou_27, Mithril_30, MmasiCarm_33, Mortcellus_32, Morty007_33, Ms6_19, Mudslide_30, Mulch_27, Mysterious_33, Nadeem_27, Nanao_29, NancyRae_27, Nangang_32, NatB6_44, Nazo_22, Necropolis_22, Nehemiah_31, Neighly_28, Nenae_21, Neos5_33, Nigel_28, NovumRegina_44, Nozo_33, Obutu_33, OkiRoe_27, Omnicron_28, OrangeOswald_33, PR_25, Panchino_21, Paola_27, Parada_27, Patience_38, Patio_48, PegLeg_31, PenguinLover67_33, Phaedrus_31, Phalm_22, PhancyPhin_21, Phayonce_22, Phegasus_22, Phelemich_32, Philly_32, Phineas_22, Phishy_30, Phloss_21, Phlyer_33, Phomeo_43, Phrann_21, Pimento_27, Polkaroo_22, Poster_29, Prince_30, Psycho_28, Purgamenstris_21, Purky_22, Quby_21, QueenHazel_22, QueenPie_29, Quesadilla_32, Qyrzula_31, RagingRooster_33, Rando14_28, RavenCo17_26, RawrgerThat_30, Raymond7_21, Rebel_21, RedRaider_52, Redi_21, Rem711_30, Reprobate_32, Rich_31, Rita130_32, Rita1961_33, RomaT_33, Rubeelu_22, Ruthiejr_29, Sadboi_34, Saguaro_32, SamScheppers_27, Sbash_21, Scitech_21, Serendipitous_31, Shenyu_32, ShrimpFriedEgg_21, Shweta_21, SirJeffery_32, SkinnyPete_21, Skinny_32, Skysand_47, SlimJimmy_30, SlippinJimmy_33, Snekmaggedon_21, SoSeph_27, Sonah_22, Sparky_21, SpongeBob_21, Squirty_20, StevieRay_22, Stinger_28, StinkyVeggy_34, StressBall_22, Suigeneris_32, SwainyDoc_33, SynergyX_33, Taptic_25, Taquito_27, Techage_22, Thespis_22, Thonko_30, ThulaThula_22, Thyatira_27, TinyTerror_33, Tortellini_22, Towmatter_37, Tracker_44, TyDawg_31, Tydolla_33, Typha_28, Vanisoa_31, Venti_22, Vic9_34, Vidya_22, Vincenzo_31, VioletZ_30, ViviJ_26, Vordorf_31, Waleliano_30, Waterfoul_27, WheatThin_27, Wheezy_44, Willsammy_22, Xavia_22, Xeno_21, Xincheng_29, Xula_21, Yahalom_33, Yinz_33, Zemanar_31, Zenteno07_35, Zilizabeth_22, Zodiariah_22,

Summary by start number:

Start 15:

- Found in 18 of 734 (2.5%) of genes in pham
- Manual Annotations of this start: 9 of 633
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acadian_32 (B5), Bae_31 (B5), DigitDog_32 (B5), Donny_32 (B5), EastView9101_31 (B5), KarasumaRum_34 (B5), Mysterious_33 (B5), Nangang_32 (B5), Nehemiah_31 (B5), Phelemich_32 (B5), Reprobate_32 (B5), Rich_31 (B5), Rita130_32 (B5), Serendipitous_31 (B5), Shenyu_32 (B5), SirJeffery_32 (B5), StinkyVeggy_34 (B5), Suigeneris_32 (B5),

Start 49:

- Found in 11 of 734 (1.5%) of genes in pham
- Manual Annotations of this start: 2 of 633
- Called 18.2% of time when present
- Phage (with cluster) where this start called: Ares_33 (B2), PR_25 (W),

Start 50:

- Found in 9 of 734 (1.2%) of genes in pham
- Manual Annotations of this start: 6 of 633
- Called 77.8% of time when present
- Phage (with cluster) where this start called: Cepens_25 (W), Godines_33 (B2), Laurie_33 (B2), Megabear_25 (W), Qyrzula_31 (B2), Taptic_25 (W), Vic9_34 (B2),

Start 52:

- Found in 3 of 734 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 633
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Argie_26 (W), D12_25 (W),

Start 53:

- Found in 36 of 734 (4.9%) of genes in pham
- Manual Annotations of this start: 9 of 633
- Called 25.0% 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 54:

- Found in 20 of 734 (2.7%) of genes in pham
- Manual Annotations of this start: 5 of 633
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Appletree2_21 (L1), CicholasNage_21 (L1), JoeDirt_21 (L1), LeBron_21 (L1), UPIE_21 (L1),

Start 55:

- Found in 2 of 734 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 633
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arissanae_32 (A9), Vanisoa_31 (A9),

Start 56:

- Found in 398 of 734 (54.2%) of genes in pham
- Manual Annotations of this start: 333 of 633
- Called 94.7% of time when present
- Phage (with cluster) where this start called: 39HC_027 (B6), 40BC_027 (B6), ABU_33 (B1), AbsoluteMadLad_32 (B1), Acquire49_21 (L1), Adriana_33 (B1), Aelin_32 (B1), Allegro_33 (B2), AltPhacts_33 (B1), Altwerkus_32 (B1), Anderson_33 (B1), Andre_33 (B1), AngelCake_32 (B1), Antonia_32 (B1), Apizium_32 (B1), Arbiter_33 (B2), Ashraf_32 (B1), AvadaKedavra_21 (L1), Badfish_33 (B1), Banjo_32 (B1), Basato_34 (B1), BatteryCK_32 (B1), Beaglebox_32 (B1), Bellis_22 (L3), BigPhil_20 (F1), Bishoperium_32 (B1), BlackStallion_33 (B1), BlueHusk_33 (B1), Bluephacebaby_32 (B1), Boehler_33 (B1), BourbonZero_21 (L3), Boyle_33 (B2), BrainDrainer_22 (L4), Brilliant_33 (B1), Buckeye_33 (B1), Burr_32 (B1), Calamitous_33 (B2), Calm_21 (L1), CamL_33 (B1), CampRoach_33 (B1),

Cannibal_33 (B1), Carthage_31 (B1), Caspiroi_34 (B1), Cerasum_20 (F1), Chaelin_33 (B1), Chah_34 (B1), Charles1_33 (B1), CharlieGBrown_32 (B1), CheetO_33 (B1), Cher_32 (B1), Childish_32 (B1), ChipMunk_34 (A2), Chorkpop_33 (B1), Chute_32 (B1), Clautastrophe_22 (L3), 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), DirkDirk_21 (L1), DirtJuice_33 (B1), Doddsville_33 (B1), DoesntMatter_33 (B1), DonSanchon_32 (B1), Douzhi_21 (L4), DuchessDung_31 (B1), Duggie_32 (B1), DuncansLeg_22 (L3), Durga_33 (B1), Eaglehorse_33 (B2), Ellson_22 (L3), ElvisPhasley_33 (B1), Emiris_33 (B1), EmpTee_33 (B1), Enceladus_21 (L1), Eremos_33 (B1), Etaye_33 (B1), Eugenia_33 (B1), EvilGenius_34 (A2), Fang_33 (B1), Faze9_33 (B2), Finnry_22 (L3), FluffyNinja_33 (B1), ForDig_28 (B6), Fozzie_32 (B1), Frankicide_33 (B1), FrenchFry_33 (B2), Freya_32 (B1), FriarPreacher_33 (B1), Fringe_33 (B1), FugateOSU_32 (B1), Funsized_35 (B9), Gail_32 (A14), Gareth_32 (B1), GeneCoco_33 (B1), Giraffe_33 (B1), Glass_33 (B2), Gophee_33 (B1), Grand2040_32 (B1), Gwennie1_33 (B1), Gwilliam_33 (B1), Gyarad_0033 (B1), HSavage_33 (B1), Haimas_33 (B1), Haleema_32 (B1), Halena_21 (L1), 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), Iridessa_33 (B1), Iridoclysis_33 (B1), IsaacEli_33 (B1), ItsyBitsy1_33 (B2), JDog_32 (B1), JacAttac_33 (B1), JakeO_32 (B1), JangoPhett_33 (B1), Jesabah_33 (B1), Jillium_32 (B1), Jiminy_32 (B1), Jiraiya_33 (B1), Jobypre_22 (L3), Jolie1_027 (B6), Jolie2_23 (G4), Jubie_22 (L3), KLucky39_33 (B1), Kahve_32 (B1), Kailash_33 (B1), Kaleb_33 (B2), Katniss_33 (B1), KayaCho_27 (B6), Keitherie_33 (B1), Keziacharles14_32 (A9), Khan1_33 (B1), Kheth_33 (B2), Kikipoo_33 (B1), Kimbrough_33 (B1), KingCyrus_34 (A2), KingTut_24 (B1), KingVeVeVe_33 (B1), Kingsolomon_22 (L3), KirDoubleO7_20 (L3), KlimbOn_33 (B1), Kloppinator_33 (B1), Kolhan_33 (B2), Krypton555_22 (L3), 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), LilSmirk_33 (B2), LiyuLake_22 (L3), LizLemon_33 (B2), Lolly9_22 (L3), Longacauda_32 (B1), Lopsy_32 (B1), LostAndPhound_32 (B1), Luchador_34 (A14), LuckyMarjie_32 (B1), Lulumae_32 (B1), Lulwa_33 (B1), Lumine_32 (B1), Lumos_22 (L3), MAckerman_21 (L1), 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), Mesmerelda_33 (B1), MichaelPhcott_32 (B1), Mikota_33 (B1), MiniBoss_33 (B1), MiniLon_22 (L3), MiniMac_22 (L3), MitKao_33 (B1), Moostard_22 (L3), Morgushi_33 (B1), Morty_33 (B1), Mosaic_32 (B1), MrPhizzler_32 (B1), MsGreen_22 (L3), Mulan_32 (B1), Murdoc_33 (B1), Mutante_32 (B1), Nacho_0033 (B1), Nanosmite_35 (M3), Nathan_34 (B1), Newman_33 (B1), Nicholas_22 (L3), Nicole21_33 (B1), Numberten_33 (B1), Nyala_32 (B1), OSmaximus_33 (B1), OhShagHennessy_21 (L1), 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), P3MA_25 (singleton), PG1_33 (B1), PYPDinur_21 (L4), 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), Poochiewood_21 (L1), 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), Rose5_21 (L1), Rosebush_33 (B2), Roy17_33 (B1), SDcharge11_33 (B1), Sabella_33 (B2), Samaymay_33 (B1), Samty_22 (L3), 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), Sheng711_21 (L4), ShiVal_33 (B1), Sigman_33 (B1), SilverBell_33 (B1), Silverleaf_21 (L1), Simielle_32 (B1), Skippy_33 (B1), Slatt_33 (B1), Snenia_22 (L3), Soile_33 (B1), Solosis_32 (B1), Sophia_32 (B1), SororFago_32 (A14), 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), TriFive_22 (L3), True_32 (B1), Trypo_33 (B1), TyrionL_32 (B1), Tyson_21 (L1), UAch1_33 (B1), UncleHowie_33 (B1), Usavi_33 (B1), Vaishali24_32 (B1), Valjean_33 (B1), Vaticameos_33 (B1), Velveteen_20 (F1), Veritas_32 (B1), Virapocalypse_33 (B1), Virgeve_32 (B1), Vista_33 (B1), Vivaldi_33 (B1), Vortex_33 (B1), Wallhey_32 (B1), Wamburgexpress_21 (L1), Waterdiva_33 (B1), Weher20_33 (B1), West99_33 (B2), Whirlwind_23 (L3), Windsor_32 (B1), Wyatt2_21 (L1), Xavier_32 (B1), Yoshand_33 (B1), YouGoGlencoco_33 (B1), Zaider_34 (B1), Zaria_21 (L1), Zelda_33 (B1), Zonia_33 (B1),

Start 57:

- Found in 3 of 734 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 633
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Brocalys_20 (F1), Pippy_19 (F1), Zenteno07_35 (B13),

Start 58:

- Found in 55 of 734 (7.5%) of genes in pham
- Manual Annotations of this start: 44 of 633
- Called 92.7% of time when present
- Phage (with cluster) where this start called: Abinghost_33 (B3), Akoma_33 (B3), Athena_34 (B3), Audrey_33 (B3), Baloo_33 (B3), Ben11_32 (B3), Bernardo_33 (B3), Casbah_32 (B3), ChaChing_33 (B3), Chalmers_33 (B3), Chandler_33 (B3), Chentzyk_32 (B3), Compostia_34 (B3), Daisy_33 (B3), Deenasa_33 (B3), Devonte_33 (B3), Fulbright_21 (N), Gadget_34 (B3), Gervas_33 (B3), GlenHope_34 (B3), Glubnar_33 (B3), Halfpint_32 (B3), HarveySr_33 (B3), Heathcliff_33 (B3), Jackstina_30 (B3), Kamiyu_33 (B3), Kronus_32 (B3), LestyG_33 (B3), Marley1013_33 (B3), MmasiCarm_33 (B3), Mortcellus_32 (B3), Morty007_33 (B3), Neos5_33 (B3), Nozo_33 (B3), Obutu_33 (B3), OrangeOswald_33 (B3), Phaerdrus_31 (B3), Philly_32 (B3), Phloss_21 (N), Phlyer_33 (B3), RagingRooster_33 (B3), Rita1961_33 (B3), RomaT_33 (B3), SlippinJimmy_33 (B3), Squirty_20 (F3), SwainyDoc_33 (B3), SynergyX_33 (B3), TinyTerror_33 (B3), Tydolla_33 (B3), Yahalom_33 (B3), Yinz_33 (B3),

Start 59:

- Found in 71 of 734 (9.7%) of genes in pham
- Manual Annotations of this start: 54 of 633
- Called 94.4% of time when present
- Phage (with cluster) where this start called: Ahwei_29 (B4), Akhila_20 (F1), AlanGrant_31 (B4), Antihero_29 (B4), Apex_30 (B4), Austelle_31 (B4), BabeRuth_21 (N), BobbyK_30 (B4), BrownCNA_31 (B4), CRB2_34 (B9), ChrisnMich_29 (B4), Clifton_19 (F1), Cooper_30 (B4), Crumble_19 (F1), Epah_29 (B4), Fanaw_29 (B4), Fortunato_30 (B4), Frederick_30 (B4), GinPorsche_29 (B4), GreaseLightnin_22 (P1), Hally898_29 (B4), Hanako_21 (N), Hangman_30 (B4), Hashim76_35 (B13), Heath_29 (B4), Hydro_30 (B4), Imvubu_25 (B10), Indlovu_29 (B11), JAMaL_30 (B4), JaguarMi_30 (B4), Jamie19_21 (N), Knocker_33 (B9), Koella_19 (F1), Lambano_29 (B4), LastJedi_19 (F1), LolaLove_30 (B4), Magpie_29 (B4), MilanaBonita_20 (F1), Mithril_30 (B4), Ms6_19 (F1), Mudslide_30 (B4), Nanao_29 (B4), Nenae_21 (N), Nigel_28 (B4), PenguinLover67_33 (B9), PhancyPhin_21 (N), Poster_29 (B4), Prince_30 (B4), Purgamenstris_21 (N), QueenHazel_22 (I1), QueenPie_29 (B4), Quesadilla_32 (B9), RawrgerThat_30 (B4), Redi_21 (N), Rem711_30 (Z), Saguaro_32 (B7), Sarma624_20 (F1), ShrimpFriedEgg_21 (N), SpongeBob_21 (N), Stinger_28 (B4), Thonko_30 (B8), Vincenzo_31 (B4), VioletZ_30 (B4), Waleliano_30 (B4), Xincheng_29 (B4), Xula_21 (I1), Zemanar_31 (B4),

Start 70:

- Found in 8 of 734 (1.1%) of genes in pham
- Manual Annotations of this start: 4 of 633
- Called 62.5% of time when present
- Phage (with cluster) where this start called: Bromden_23 (L4), Chaser_21 (L4), Douge_21 (L4), DyoEdafos_22 (L4), Kropertea_21 (L4),

Start 85:

- Found in 10 of 734 (1.4%) of genes in pham
- Manual Annotations of this start: 8 of 633
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CactusJack_22 (P1), Gavriela_22 (P1), Glaske_22 (P1), KilKor_22 (P1), Megiddo_22 (P1), Phalm_22 (P1), Shweta_21 (N), StressBall_22 (P1), Vordorf_31 (DT), Xeno_21 (N),

Start 86:

- Found in 37 of 734 (5.0%) of genes in pham
- Manual Annotations of this start: 7 of 633
- Called 21.6% of time when present
- Phage (with cluster) where this start called: Apeppi_30 (DV), Eponine_29 (K4), Kari_22 (P1), Langerak_22 (P1), Malithi_22 (P1), Phrann_21 (N), SamScheppers_27 (K4), Taquito_27 (K4),

Start 87:

- Found in 6 of 734 (0.8%) of genes in pham
- Manual Annotations of this start: 6 of 633
- 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 88:

- Found in 109 of 734 (14.9%) of genes in pham
- Manual Annotations of this start: 91 of 633

- Called 92.7% of time when present
- Phage (with cluster) where this start called: Agent47_27 (K5), AlleyCat_28 (K5), Andies_21 (N), Arib1_22 (P1), Atcoo_22 (P1), AuntGwenStacy_28 (Y), Auspice_31 (M1), Babsiella_22 (I1), BabyMoney_29 (DT), Bartholomew_22 (P1), BigNuz_22 (P4), Bipper_28 (Y), Bongo_31 (M1), Bricole_31 (M1), Brusacoram_22 (P1), Bunnies_22 (P1), Camster_22 (P1), Che9c_21 (I2), Collard_27 (K5), 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), Ewald_30 (DT), Farewell_21 (AF), Feyre_27 (K5), FirstPlacePfu_22 (P1), Fishburne_22 (P1), FreakyGoo_31 (M1), Gengar_27 (K5), Glaske16_32 (M1), Guillsminger_27 (K5), HC_22 (I1), HUHilltop_22 (P1), Heftyboy_27 (K5), Hilltopfarm_28 (Y), IPhone7_31 (M1), IdentityCrisis_21 (singleton), InvictusManeo_27 (K5), Izel_30 (M1), Jebeks_22 (P1), Jung_22 (P1), Juniormint_22 (P1), Kratio_26 (K5), Ksquared_22 (P1), Larva_28 (K5), Leston_27 (K5), LilhomieP_30 (M1), Majeke_22 (P1), MalagasyRose_28 (AG), Mangethe_22 (P1), MichelleMyBell_22 (N), Miryou_27 (K5), Nazo_22 (P4), Necropolis_22 (P1), Neighly_28 (K3), OkiRoe_27 (K5), Omnicron_28 (K5), Panchino_21 (N), Paola_27 (K5), PegLeg_31 (M1), Phayonce_22 (P5), Phegasus_22 (P1), Phineas_22 (P1), Phishy_30 (DT), Pimento_27 (DI), Polkaroo_22 (P1), Psycho_28 (K5), Purky_22 (P6), Rando14_28 (K5), RavenCo17_26 (CZ8), Raymond7_21 (N), Sbash_21 (I2), Scitech_21 (N), SkinnyPete_21 (N), Skinny_32 (M1), SlimJimmy_30 (M1), SoSeph_27 (K5), Sonah_22 (P1), Sparky_21 (AF), StevieRay_22 (P1), Techage_22 (P1), Thespis_22 (P1), ThulaThula_22 (P5), Thyatira_27 (K5), Tortellini_22 (P2), TyDawg_31 (M1), Typha_28 (Y), Venti_22 (P1), Vidya_22 (P1), ViviJ_26 (K5), Waterfoul_27 (K5), Willsammy_22 (P1), Xavia_22 (P3), Zilizebeth_22 (P1), Zodiariah_22 (DW),

Start 91:

- Found in 1 of 734 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 633
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dogfish_30 (DT),

Start 92:

- Found in 396 of 734 (54.0%) of genes in pham
- Manual Annotations of this start: 15 of 633
- Called 3.8% of time when present
- Phage (with cluster) where this start called: Ayotoya_27 (DI), BetterKatz_27 (DI), Bock_27 (DI), Brylie_27 (DI), Chop_27 (DI), Chunky_33 (B1), DelRio_28 (DI), Francois_27 (DI), GrandSlam_27 (DI), Hamood_27 (DI), Mulch_27 (DI), Nadeem_27 (DI), NancyRae_27 (DI), Parada_27 (DI), WheatThin_27 (DI),

Start 96:

- Found in 1 of 734 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 633
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jumbo_25 (DF3),

Start 103:

- Found in 52 of 734 (7.1%) of genes in pham
- Manual Annotations of this start: 4 of 633
- Called 7.7% of time when present
- Phage (with cluster) where this start called: Labelle_37 (U), Madruga_36 (U), Patience_38 (U), Snekmaggon_21 (N),

Start 104:

- Found in 7 of 734 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 633
- Called 42.9% of time when present
- Phage (with cluster) where this start called: FarmResident_21 (L4), Meyran_29 (DT), Quby_21 (L4),

Start 114:

- Found in 2 of 734 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 633
- Called 50.0% of time when present
- Phage (with cluster) where this start called: LuckyLeo_32 (DV),

Start 121:

- Found in 2 of 734 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Mima20_34 (DV),

Start 123:

- Found in 7 of 734 (1.0%) of genes in pham
- Manual Annotations of this start: 3 of 633
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dalilpop_49 (CR1), Daredevil_37 (DL), Flapper_49 (CR1), GRU1_34 (CR1), GTE5_36 (CR1), GTE8_33 (CR2), Towmatter_37 (DL),

Start 125:

- Found in 20 of 734 (2.7%) of genes in pham
- Manual Annotations of this start: 17 of 633
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arti_44 (CR2), Emianna_44 (CR2), Ennea_51 (CR3), Float294_47 (CR3), Foxboro_45 (CR2), GrootJr_46 (CR2), Gspu1_26 (CU2), Jifall16_43 (CR2), KidneyBean_44 (CR2), Kurt_44 (CR2), Lollipop1437_50 (CR3), MerCougar_46 (CR2), NatB6_44 (CR2), NovumRegina_44 (CR2), Patio_48 (CR3), Phomeo_43 (CR2), RedRaider_52 (CR3), Skysand_47 (CR3), Tracker_44 (CR2), Wheezy_44 (CR2),

Start 138:

- Found in 4 of 734 (0.5%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: MakCheese_24 (DW),

Start 141:

- Found in 6 of 734 (0.8%) of genes in pham
- Manual Annotations of this start: 4 of 633
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amore2_33 (CS1), Archimedes_26 (DA), Austin_33 (CS1), GMA7_23 (CS1), GTE7_23 (CS1), HayZem_32 (CS1),

Start 209:

- Found in 25 of 734 (3.4%) of genes in pham
- Manual Annotations of this start: 1 of 633
- Called 4.0% of time when present
- Phage (with cluster) where this start called: Sadboi_34 (DV),

Summary by clusters:

There are 59 clusters represented in this pham: singleton, M3, DI, B11, DL, DA, K3, K1, M1, B13, K5, K4, DV, DW, DT, A14, G5, G4, AG, B10, I1, I2, DF3, CZ8, A2, A9, CS1, P2, P3, P1, P6, AD, P4, P5, CR3, N, L4, F3, U, L3, W, L1, Y, Z, AF, CU2, CR2, F1, CR1, B4, B5, B6, B7, B1, B2, B3, B12, B8, B9,

Info for manual annotations of cluster A14:

- Start number 56 was manually annotated 3 times for cluster A14.

Info for manual annotations of cluster A2:

- Start number 56 was manually annotated 3 times for cluster A2.

Info for manual annotations of cluster A9:

- Start number 55 was manually annotated 2 times for cluster A9.
- Start number 56 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AD:

- Start number 53 was manually annotated 1 time for cluster AD.
- Start number 56 was manually annotated 3 times for cluster AD.

Info for manual annotations of cluster AF:

- Start number 88 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

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

Info for manual annotations of cluster B1:

- Start number 56 was manually annotated 262 times for cluster B1.
- Start number 92 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B10:

- Start number 59 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 59 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 56 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 57 was manually annotated 1 time for cluster B13.
- Start number 59 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B2:

- Start number 49 was manually annotated 1 time for cluster B2.
- Start number 50 was manually annotated 3 times for cluster B2.
- Start number 53 was manually annotated 6 times for cluster B2.

- Start number 56 was manually annotated 22 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 58 was manually annotated 41 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 59 was manually annotated 25 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 15 was manually annotated 9 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 56 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 59 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 59 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 56 was manually annotated 2 times for cluster B9.
- Start number 59 was manually annotated 4 times for cluster B9.

Info for manual annotations of cluster CR1:

- Start number 123 was manually annotated 2 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 125 was manually annotated 12 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 125 was manually annotated 5 times for cluster CR3.

Info for manual annotations of cluster CS1:

- Start number 141 was manually annotated 3 times for cluster CS1.

Info for manual annotations of cluster CZ8:

- Start number 88 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DA:

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

Info for manual annotations of cluster DF3:

- Start number 96 was manually annotated 1 time for cluster DF3.

Info for manual annotations of cluster DI:

- Start number 88 was manually annotated 1 time for cluster DI.
- Start number 92 was manually annotated 14 times for cluster DI.

Info for manual annotations of cluster DL:

- Start number 123 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster DT:

- Start number 88 was manually annotated 2 times for cluster DT.
- Start number 91 was manually annotated 1 time for cluster DT.
- Start number 104 was manually annotated 1 time for cluster DT.

Info for manual annotations of cluster DV:

- Start number 86 was manually annotated 1 time for cluster DV.
- Start number 114 was manually annotated 1 time for cluster DV.
- Start number 209 was manually annotated 1 time for cluster DV.

Info for manual annotations of cluster DW:

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

Info for manual annotations of cluster F1:

- Start number 56 was manually annotated 3 times for cluster F1.
- Start number 57 was manually annotated 2 times for cluster F1.
- Start number 59 was manually annotated 7 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 58 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster I1:

- Start number 59 was manually annotated 2 times for cluster I1.
- Start number 88 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster I2:

- Start number 88 was manually annotated 2 times for cluster I2.

Info for manual annotations of cluster K1:

- Start number 88 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K4:

- Start number 86 was manually annotated 3 times for cluster K4.
- Start number 87 was manually annotated 2 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 88 was manually annotated 22 times for cluster K5.

Info for manual annotations of cluster L1:

- Start number 54 was manually annotated 5 times for cluster L1.
- Start number 56 was manually annotated 14 times for cluster L1.

Info for manual annotations of cluster L3:

- Start number 56 was manually annotated 16 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 70 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster M1:

- Start number 88 was manually annotated 12 times for cluster M1.

Info for manual annotations of cluster M3:

- Start number 56 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:

- Start number 58 was manually annotated 2 times for cluster N.
- Start number 59 was manually annotated 9 times for cluster N.
- Start number 85 was manually annotated 2 times for cluster N.
- Start number 86 was manually annotated 1 time for cluster N.
- Start number 87 was manually annotated 4 times for cluster N.
- Start number 88 was manually annotated 5 times for cluster N.
- Start number 103 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster P1:

- Start number 59 was manually annotated 1 time for cluster P1.
- Start number 85 was manually annotated 6 times for cluster P1.
- Start number 86 was manually annotated 2 times for cluster P1.
- Start number 88 was manually annotated 27 times for cluster P1.

Info for manual annotations of cluster P2:

- Start number 88 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 88 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:

- Start number 88 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 88 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:

- Start number 88 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster U:

- Start number 103 was manually annotated 3 times for cluster U.

Info for manual annotations of cluster W:

- Start number 49 was manually annotated 1 time for cluster W.
- Start number 50 was manually annotated 3 times for cluster W.
- Start number 52 was manually annotated 2 times for cluster W.
- Start number 53 was manually annotated 2 times for cluster W.

Info for manual annotations of cluster Y:

- Start number 88 was manually annotated 4 times for cluster Y.

Info for manual annotations of cluster Z:

- Start number 59 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 39HC_027 Start: 30067, Stop: 31293, Start Num: 56

Candidate Starts for 39HC_027:

(8, 29542), (12, 29644), (Start: 56 @30067 has 333 MA's), (67, 30106), (83, 30157), (Start: 92 @30178 has 15 MA's), (112, 30223), (139, 30283), (148, 30304), (149, 30307), (174, 30364), (204, 30418), (205, 30421), (208, 30427), (256, 30544), (292, 30613), (329, 30718), (367, 30850), (369, 30856), (402, 30979), (423, 31039), (444, 31093), (449, 31099), (467, 31147),

Gene: 40BC_027 Start: 30067, Stop: 31293, Start Num: 56

Candidate Starts for 40BC_027:

(8, 29542), (12, 29644), (Start: 56 @30067 has 333 MA's), (67, 30106), (83, 30157), (Start: 92 @30178 has 15 MA's), (112, 30223), (139, 30283), (148, 30304), (149, 30307), (174, 30364), (204, 30418), (205, 30421), (208, 30427), (256, 30544), (292, 30613), (329, 30718), (367, 30850), (369, 30856), (402, 30979), (423, 31039), (444, 31093), (449, 31099), (467, 31147),

Gene: ABU_33 Start: 32364, Stop: 33524, Start Num: 56

Candidate Starts for ABU_33:

(Start: 56 @32364 has 333 MA's), (Start: 92 @32475 has 15 MA's), (112, 32520), (154, 32619), (185, 32679), (204, 32715), (214, 32739), (233, 32784), (235, 32790), (258, 32841), (280, 32880), (282, 32883), (287, 32895), (305, 32910), (328, 32934), (347, 32967), (367, 33048), (377, 33093), (392, 33141), (401, 33177), (405, 33186), (409, 33192), (481, 33417),

Gene: Abinghost_33 Start: 32219, Stop: 33421, Start Num: 58

Candidate Starts for Abinghost_33:

(Start: 58 @32219 has 44 MA's), (67, 32252), (122, 32396), (127, 32405), (131, 32414), (148, 32453), (151, 32462), (158, 32480), (168, 32498), (175, 32516), (180, 32522), (187, 32534), (198, 32552), (204, 32567), (218, 32600), (230, 32627), (249, 32672), (290, 32753), (313, 32780), (324, 32798), (330, 32816), (345, 32858), (349, 32882), (369, 32957), (373, 32987), (392, 33047), (394, 33059), (398, 33077), (428, 33179), (467, 33284), (473, 33290), (475, 33308), (491, 33395),

Gene: AbsoluteMadLad_32 Start: 32373, Stop: 33533, Start Num: 56

Candidate Starts for AbsoluteMadLad_32:

(Start: 56 @32373 has 333 MA's), (Start: 92 @32484 has 15 MA's), (112, 32529), (154, 32628), (185, 32688), (204, 32724), (214, 32748), (233, 32793), (235, 32799), (258, 32850), (280, 32889), (282, 32892), (287, 32904), (305, 32919), (328, 32943), (347, 32976), (367, 33057), (377, 33102), (392, 33150), (401, 33186), (405, 33195), (409, 33201), (481, 33426),

Gene: Acadian_32 Start: 32586, Stop: 34091, Start Num: 15

Candidate Starts for Acadian_32:

(Start: 15 @32586 has 9 MA's), (16, 32604), (19, 32625), (24, 32679), (35, 32757), (36, 32775), (41, 32790), (42, 32802), (122, 33039), (142, 33090), (152, 33117), (165, 33144), (Start: 209 @33231 has 1 MA's), (214, 33246), (231, 33285), (263, 33375), (295, 33435), (350, 33558), (361, 33597), (369, 33633), (473, 33957), (495, 34077),

Gene: Acquire49_21 Start: 21688, Stop: 22860, Start Num: 56

Candidate Starts for Acquire49_21:

(Start: 54 @21685 has 5 MA's), (Start: 56 @21688 has 333 MA's), (Start: 103 @21814 has 4 MA's), (119, 21856), (126, 21868), (127, 21871), (142, 21904), (147, 21916), (168, 21964), (175, 21982), (198, 22018), (204, 22033), (226, 22084), (237, 22114), (257, 22156), (272, 22180), (325, 22216), (327, 22222), (340, 22249), (345, 22267), (369, 22360), (370, 22363), (390, 22447), (430, 22585), (438, 22603), (467, 22687),

Gene: Adriana_33 Start: 32362, Stop: 33522, Start Num: 56

Candidate Starts for Adriana_33:

(Start: 56 @32362 has 333 MA's), (Start: 92 @32473 has 15 MA's), (112, 32518), (154, 32617), (185, 32677), (204, 32713), (214, 32737), (233, 32782), (235, 32788), (258, 32839), (280, 32878), (282, 32881), (287, 32893), (305, 32908), (328, 32932), (347, 32965), (367, 33046), (377, 33091), (392, 33139), (401, 33175), (405, 33184), (409, 33190), (481, 33415),

Gene: Aelin_32 Start: 31928, Stop: 33088, Start Num: 56

Candidate Starts for Aelin_32:

(Start: 56 @31928 has 333 MA's), (Start: 92 @32039 has 15 MA's), (112, 32084), (154, 32183), (185, 32243), (204, 32279), (214, 32303), (233, 32348), (235, 32354), (258, 32405), (280, 32444), (282, 32447), (287, 32459), (328, 32498), (347, 32531), (367, 32612), (377, 32657), (392, 32705), (401, 32741), (405, 32750), (409, 32756), (481, 32981),

Gene: Agent47_27 Start: 24079, Stop: 25143, Start Num: 88

Candidate Starts for Agent47_27:

(Start: 88 @24079 has 91 MA's), (130, 24169), (143, 24196), (172, 24259), (197, 24307), (218, 24346), (227, 24364), (250, 24409), (270, 24448), (294, 24496), (307, 24514), (349, 24589), (368, 24655), (390, 24745), (391, 24748), (392, 24751), (399, 24784), (433, 24883), (435, 24886), (465, 24970), (467, 24982), (489, 25099),

Gene: Ahwei_29 Start: 31578, Stop: 32735, Start Num: 59

Candidate Starts for Ahwei_29:

(Start: 59 @31578 has 54 MA's), (84, 31671), (Start: 92 @31686 has 15 MA's), (98, 31701), (105, 31713), (112, 31731), (151, 31821), (174, 31872), (180, 31881), (182, 31887), (190, 31899), (204, 31926), (215, 31941), (218, 31947), (222, 31953), (239, 31986), (243, 31995), (262, 32028), (286, 32061), (337, 32151), (345, 32157), (368, 32256), (369, 32259), (409, 32403), (456, 32556),

Gene: Akhila_20 Start: 20281, Stop: 21492, Start Num: 59

Candidate Starts for Akhila_20:

(Start: 59 @20281 has 54 MA's), (63, 20305), (81, 20362), (Start: 103 @20410 has 4 MA's), (128, 20470), (131, 20479), (139, 20494), (149, 20518), (158, 20542), (165, 20554), (181, 20590), (204, 20629), (208, 20638), (217, 20662), (230, 20692), (280, 20776), (282, 20779), (291, 20800), (306, 20836), (308, 20839), (320, 20860), (336, 20902), (367, 21019), (374, 21055), (376, 21061), (409, 21166), (429, 21247),

Gene: Akoma_33 Start: 32223, Stop: 33425, Start Num: 58

Candidate Starts for Akoma_33:

(Start: 58 @32223 has 44 MA's), (67, 32256), (122, 32400), (127, 32409), (131, 32418), (148, 32457), (151, 32466), (158, 32484), (168, 32502), (175, 32520), (180, 32526), (187, 32538), (198, 32556), (204, 32571), (218, 32604), (230, 32631), (249, 32676), (290, 32757), (313, 32784), (324, 32802), (330, 32820), (345, 32862), (349, 32886), (369, 32961), (373, 32991), (392, 33051), (394, 33063), (398, 33081), (428, 33183), (467, 33288), (473, 33294), (475, 33312), (491, 33399),

Gene: AlanGrant_31 Start: 33326, Stop: 34483, Start Num: 59

Candidate Starts for AlanGrant_31:

(Start: 59 @33326 has 54 MA's), (84, 33419), (Start: 92 @33434 has 15 MA's), (98, 33449), (105, 33461), (112, 33479), (151, 33569), (174, 33620), (180, 33629), (190, 33647), (204, 33674), (215, 33689), (218, 33695), (222, 33701), (239, 33734), (243, 33743), (262, 33776), (286, 33809), (292, 33821), (319, 33854), (326, 33869), (337, 33899), (345, 33905), (361, 33971), (366, 33995), (368, 34004), (409, 34151), (456, 34304),

Gene: Allegro_33 Start: 32683, Stop: 33846, Start Num: 56

Candidate Starts for Allegro_33:

(26, 32536), (Start: 53 @32677 has 9 MA's), (Start: 56 @32683 has 333 MA's), (67, 32722), (77, 32752), (Start: 92 @32797 has 15 MA's), (112, 32842), (154, 32941), (185, 33001), (204, 33037), (214, 33061), (233, 33106), (235, 33112), (258, 33163), (280, 33202), (282, 33205), (287, 33217), (305, 33232), (328, 33256), (347, 33289), (367, 33370), (392, 33463), (401, 33499), (405, 33508), (409, 33514), (424, 33574), (481, 33739),

Gene: AlleyCat_28 Start: 24010, Stop: 25074, Start Num: 88

Candidate Starts for AlleyCat_28:

(Start: 88 @24010 has 91 MA's), (130, 24100), (144, 24130), (169, 24184), (172, 24190), (197, 24238), (218, 24277), (227, 24295), (229, 24298), (270, 24379), (294, 24427), (307, 24445), (368, 24586), (390, 24676), (391, 24679), (392, 24682), (399, 24715), (405, 24727), (433, 24814), (435, 24817), (467, 24913), (489, 25030),

Gene: AltPhacts_33 Start: 32351, Stop: 33511, Start Num: 56

Candidate Starts for AltPhacts_33:

(Start: 56 @32351 has 333 MA's), (Start: 92 @32462 has 15 MA's), (112, 32507), (154, 32606), (185, 32666), (204, 32702), (214, 32726), (233, 32771), (235, 32777), (258, 32828), (280, 32867), (282, 32870), (287, 32882), (305, 32897), (328, 32921), (347, 32954), (367, 33035), (377, 33080), (392, 33128), (401, 33164), (405, 33173), (409, 33179), (481, 33404),

Gene: Altwerkus_32 Start: 32052, Stop: 33212, Start Num: 56

Candidate Starts for Altwerkus_32:

(Start: 56 @32052 has 333 MA's), (Start: 92 @32163 has 15 MA's), (112, 32208), (154, 32307), (185, 32367), (204, 32403), (214, 32427), (233, 32472), (235, 32478), (258, 32529), (280, 32568), (282, 32571), (287, 32583), (328, 32622), (347, 32655), (367, 32736), (377, 32781), (392, 32829), (401, 32865), (405, 32874), (409, 32880), (481, 33105),

Gene: Amore2_33 Start: 36453, Stop: 37457, Start Num: 141

Candidate Starts for Amore2_33:

(Start: 141 @36453 has 4 MA's), (160, 36501), (170, 36519), (210, 36597), (216, 36615), (221, 36624), (247, 36690), (288, 36771), (350, 36924), (362, 36951), (366, 36972), (391, 37074), (425, 37200), (467, 37302), (492, 37434),

Gene: Anderson_33 Start: 32357, Stop: 33517, Start Num: 56

Candidate Starts for Anderson_33:

(Start: 56 @32357 has 333 MA's), (Start: 92 @32468 has 15 MA's), (112, 32513), (154, 32612), (185, 32672), (204, 32708), (214, 32732), (233, 32777), (235, 32783), (258, 32834), (280, 32873), (282, 32876), (287, 32888), (328, 32927), (347, 32960), (367, 33041), (377, 33086), (392, 33134), (401, 33170), (405, 33179), (409, 33185), (481, 33410),

Gene: Andies_21 Start: 20194, Stop: 21228, Start Num: 88

Candidate Starts for Andies_21:

(Start: 88 @20194 has 91 MA's), (158, 20350), (161, 20356), (219, 20464), (222, 20467), (229, 20482), (273, 20569), (294, 20614), (347, 20695), (364, 20752), (368, 20776), (394, 20881), (415, 20953), (434, 20998),

Gene: Andre_33 Start: 32356, Stop: 33516, Start Num: 56

Candidate Starts for Andre_33:

(Start: 56 @32356 has 333 MA's), (Start: 92 @32467 has 15 MA's), (112, 32512), (154, 32611), (185, 32671), (204, 32707), (214, 32731), (233, 32776), (235, 32782), (258, 32833), (280, 32872), (282, 32875), (287, 32887), (328, 32926), (347, 32959), (367, 33040), (377, 33085), (392, 33133), (401, 33169), (405, 33178), (409, 33184), (481, 33409),

Gene: AngelCake_32 Start: 32376, Stop: 33536, Start Num: 56

Candidate Starts for AngelCake_32:

(Start: 56 @32376 has 333 MA's), (Start: 92 @32487 has 15 MA's), (112, 32532), (154, 32631), (185, 32691), (204, 32727), (214, 32751), (233, 32796), (235, 32802), (258, 32853), (280, 32892), (282, 32895), (287, 32907), (305, 32922), (328, 32946), (347, 32979), (367, 33060), (377, 33105), (392, 33153), (401, 33189), (405, 33198), (409, 33204), (481, 33429),

Gene: Antihero_29 Start: 31578, Stop: 32735, Start Num: 59

Candidate Starts for Antihero_29:

(Start: 59 @31578 has 54 MA's), (84, 31671), (Start: 92 @31686 has 15 MA's), (98, 31701), (105, 31713), (112, 31731), (151, 31821), (174, 31872), (180, 31881), (182, 31887), (190, 31899), (204, 31926), (215, 31941), (218, 31947), (222, 31953), (239, 31986), (243, 31995), (262, 32028), (286, 32061), (337, 32151), (345, 32157), (368, 32256), (369, 32259), (409, 32403), (456, 32556),

Gene: Antonia_32 Start: 31928, Stop: 33088, Start Num: 56

Candidate Starts for Antonia_32:

(Start: 56 @31928 has 333 MA's), (Start: 92 @32039 has 15 MA's), (112, 32084), (154, 32183), (185, 32243), (204, 32279), (214, 32303), (233, 32348), (235, 32354), (258, 32405), (280, 32444), (282, 32447), (287, 32459), (328, 32498), (347, 32531), (367, 32612), (377, 32657), (392, 32705), (401, 32741), (405, 32750), (409, 32756), (481, 32981),

Gene: Apeppi_30 Start: 28862, Stop: 29908, Start Num: 86

Candidate Starts for Apeppi_30:

(Start: 86 @28862 has 7 MA's), (Start: 114 @28919 has 1 MA's), (154, 29009), (158, 29018), (161, 29024), (166, 29033), (192, 29087), (288, 29285), (331, 29351), (346, 29363), (364, 29432), (398, 29573), (435, 29681),

Gene: Apex_30 Start: 32785, Stop: 33942, Start Num: 59

Candidate Starts for Apex_30:

(Start: 59 @32785 has 54 MA's), (84, 32878), (Start: 92 @32893 has 15 MA's), (98, 32908), (105, 32920), (112, 32938), (132, 32980), (151, 33028), (174, 33079), (180, 33088), (190, 33106), (204, 33133), (215, 33148), (218, 33154), (222, 33160), (224, 33166), (239, 33193), (243, 33202), (262, 33235), (286, 33268), (326, 33328), (337, 33358), (345, 33364), (355, 33409), (368, 33463), (369, 33466), (409, 33610), (456, 33763),

Gene: Apizium_32 Start: 32120, Stop: 33280, Start Num: 56

Candidate Starts for Apizium_32:

(Start: 56 @32120 has 333 MA's), (Start: 92 @32231 has 15 MA's), (112, 32276), (154, 32375), (185, 32435), (204, 32471), (214, 32495), (233, 32540), (235, 32546), (258, 32597), (280, 32636), (282, 32639), (287, 32651), (328, 32690), (347, 32723), (367, 32804), (377, 32849), (392, 32897), (401, 32933), (405, 32942), (409, 32948), (481, 33173),

Gene: Appletree2_21 Start: 21628, Stop: 22803, Start Num: 54

Candidate Starts for Appletree2_21:

(Start: 54 @21628 has 5 MA's), (Start: 56 @21631 has 333 MA's), (Start: 103 @21757 has 4 MA's), (119, 21799), (126, 21811), (127, 21814), (142, 21847), (147, 21859), (168, 21907), (175, 21925), (198, 21961), (204, 21976), (226, 22027), (237, 22057), (257, 22099), (272, 22123), (325, 22159), (327, 22165), (340, 22192), (345, 22210), (369, 22303), (370, 22306), (390, 22390), (430, 22528), (438, 22546), (467, 22630),

Gene: Arbiter_33 Start: 32772, Stop: 33935, Start Num: 56

Candidate Starts for Arbiter_33:

(26, 32625), (Start: 53 @32766 has 9 MA's), (Start: 56 @32772 has 333 MA's), (67, 32811), (77, 32841), (Start: 92 @32886 has 15 MA's), (112, 32931), (154, 33030), (185, 33090), (204, 33126), (214, 33150), (233, 33195), (235, 33201), (258, 33252), (280, 33291), (282, 33294), (287, 33306), (305, 33321), (328, 33345), (347, 33378), (367, 33459), (392, 33552), (401, 33588), (405, 33597), (409, 33603), (424, 33663), (481, 33828),

Gene: Archimedes_26 Start: 23367, Stop: 24368, Start Num: 141

Candidate Starts for Archimedes_26:

(129, 23343), (Start: 141 @23367 has 4 MA's), (174, 23445), (246, 23595), (333, 23766), (368, 23898), (388, 23982), (396, 24018), (425, 24114), (468, 24213), (493, 24348),

Gene: Ares_33 Start: 32688, Stop: 33896, Start Num: 49

Candidate Starts for Ares_33:

(25, 32547), (Start: 49 @32688 has 2 MA's), (Start: 50 @32691 has 6 MA's), (77, 32760), (105, 32829), (116, 32859), (122, 32871), (126, 32877), (127, 32880), (131, 32889), (148, 32928), (151, 32937), (155, 32949), (185, 33006), (198, 33027), (204, 33042), (224, 33087), (230, 33102), (249, 33147), (284, 33216), (305, 33243), (320, 33267), (338, 33312), (345, 33333), (349, 33357), (369, 33432), (373, 33462), (392, 33522), (394, 33534), (398, 33552), (428, 33654), (467, 33759), (473, 33765), (475, 33783), (484, 33834), (491, 33870),

Gene: Argie_26 Start: 29663, Stop: 30871, Start Num: 52

Candidate Starts for Argie_26:

(Start: 49 @29657 has 2 MA's), (Start: 52 @29663 has 2 MA's), (66, 29702), (Start: 92 @29777 has 15 MA's), (94, 29780), (110, 29813), (116, 29834), (126, 29852), (128, 29858), (131, 29864), (148, 29903), (149, 29906), (151, 29912), (185, 29981), (198, 30002), (230, 30077), (249, 30122), (263, 30152), (287, 30197), (292, 30206), (295, 30212), (305, 30218), (320, 30242), (338, 30287), (345, 30308), (349, 30332), (369, 30407), (373, 30437), (392, 30497), (394, 30509), (398, 30527), (428, 30629), (473, 30740), (475, 30758), (484, 30809), (491, 30845),

Gene: Arib1_22 Start: 21305, Stop: 22342, Start Num: 88

Candidate Starts for Arib1_22:

(81, 21281), (Start: 86 @21302 has 7 MA's), (Start: 88 @21305 has 91 MA's), (102, 21329), (161, 21467), (184, 21509), (222, 21578), (250, 21638), (273, 21683), (294, 21728), (347, 21809), (364, 21866), (368, 21890), (394, 21995), (415, 22067), (434, 22112), (486, 22277),

Gene: Arissanae_32 Start: 24817, Stop: 26022, Start Num: 55

Candidate Starts for Arissanae_32:

(Start: 55 @24817 has 2 MA's), (122, 24994), (126, 25000), (127, 25003), (149, 25054), (224, 25210), (244, 25258), (368, 25552), (373, 25585), (409, 25696), (459, 25852),

Gene: Arti_44 Start: 34961, Stop: 36019, Start Num: 125

Candidate Starts for Arti_44:

(1, 33521), (2, 33818), (6, 34049), (14, 34418), (65, 34796), (71, 34811), (75, 34829), (Start: 125 @34961 has 17 MA's), (281, 35306), (305, 35357), (331, 35405),

Gene: Ashraf_32 Start: 31924, Stop: 33084, Start Num: 56

Candidate Starts for Ashraf_32:

(Start: 56 @31924 has 333 MA's), (Start: 92 @32035 has 15 MA's), (112, 32080), (154, 32179), (185, 32239), (204, 32275), (214, 32299), (233, 32344), (235, 32350), (258, 32401), (280, 32440), (282, 32443), (287, 32455), (305, 32470), (328, 32494), (347, 32527), (367, 32608), (377, 32653), (392, 32701), (401, 32737), (405, 32746), (409, 32752), (481, 32977),

Gene: Atcoo_22 Start: 21759, Stop: 22826, Start Num: 88

Candidate Starts for Atcoo_22:

(Start: 88 @21759 has 91 MA's), (161, 21921), (184, 21963), (222, 22032), (250, 22092), (273, 22137), (294, 22182), (364, 22320), (368, 22344),

Gene: Athena_34 Start: 32970, Stop: 34172, Start Num: 58

Candidate Starts for Athena_34:

(Start: 58 @32970 has 44 MA's), (67, 33003), (122, 33147), (127, 33156), (131, 33165), (148, 33204), (151, 33213), (158, 33231), (185, 33282), (190, 33291), (198, 33303), (201, 33309), (204, 33318), (224, 33363), (230, 33378), (249, 33423), (268, 33462), (284, 33492), (292, 33507), (305, 33519), (320, 33543), (338, 33588), (345, 33609), (349, 33633), (369, 33708), (373, 33738), (392, 33798), (394, 33810), (398, 33828), (428, 33930), (467, 34035), (473, 34041), (475, 34059), (491, 34146),

Gene: Audrey_33 Start: 32219, Stop: 33421, Start Num: 58

Candidate Starts for Audrey_33:

(Start: 58 @32219 has 44 MA's), (67, 32252), (122, 32396), (127, 32405), (131, 32414), (148, 32453), (151, 32462), (158, 32480), (168, 32498), (175, 32516), (180, 32522), (187, 32534), (198, 32552), (204, 32567), (218, 32600), (230, 32627), (249, 32672), (290, 32753), (313, 32780), (324, 32798), (330, 32816), (345, 32858), (349, 32882), (369, 32957), (373, 32987), (392, 33047), (394, 33059), (398, 33077), (428, 33179), (467, 33284), (473, 33290), (475, 33308), (491, 33395),

Gene: AuntGwenStacy_28 Start: 26025, Stop: 27062, Start Num: 88

Candidate Starts for AuntGwenStacy_28:

(Start: 88 @26025 has 91 MA's), (145, 26148), (172, 26202), (190, 26238), (226, 26301), (250, 26349), (278, 26403), (280, 26406), (367, 26592), (373, 26628), (386, 26670), (392, 26688), (409, 26739),

Gene: Auspice_31 Start: 26992, Stop: 28047, Start Num: 88

Candidate Starts for Auspice_31:

(Start: 88 @26992 has 91 MA's), (190, 27205), (212, 27241), (240, 27304), (280, 27376), (294, 27406), (309, 27427), (331, 27463), (349, 27499), (364, 27547), (367, 27568), (369, 27574), (373, 27604), (375, 27607), (389, 27655), (459, 27865), (476, 27919),

Gene: Austelle_31 Start: 33241, Stop: 34398, Start Num: 59

Candidate Starts for Austelle_31:

(Start: 59 @33241 has 54 MA's), (84, 33334), (Start: 92 @33349 has 15 MA's), (98, 33364), (105, 33376), (112, 33394), (132, 33436), (151, 33484), (174, 33535), (180, 33544), (190, 33562), (204, 33589), (215, 33604), (218, 33610), (222, 33616), (224, 33622), (239, 33649), (243, 33658), (262, 33691), (286, 33724), (326, 33784), (337, 33814), (345, 33820), (355, 33865), (368, 33919), (369, 33922), (409, 34066), (456, 34219),

Gene: Austin_33 Start: 36453, Stop: 37457, Start Num: 141

Candidate Starts for Austin_33:

(Start: 141 @36453 has 4 MA's), (160, 36501), (170, 36519), (216, 36615), (221, 36624), (247, 36690), (288, 36771), (350, 36924), (362, 36951), (366, 36972), (391, 37074), (425, 37200), (467, 37302), (492, 37434),

Gene: AvadaKedavra_21 Start: 21698, Stop: 22870, Start Num: 56

Candidate Starts for AvadaKedavra_21:

(Start: 54 @21695 has 5 MA's), (Start: 56 @21698 has 333 MA's), (Start: 103 @21824 has 4 MA's), (119, 21866), (126, 21878), (127, 21881), (142, 21914), (147, 21926), (168, 21974), (175, 21992), (198, 22028), (204, 22043), (226, 22094), (237, 22124), (257, 22166), (272, 22190), (325, 22226), (327, 22232), (340, 22259), (345, 22277), (369, 22370), (370, 22373), (390, 22457), (430, 22595), (438, 22613), (467, 22697),

Gene: Ayotoya_27 Start: 24101, Stop: 25168, Start Num: 92

Candidate Starts for Ayotoya_27:

(Start: 92 @24101 has 15 MA's), (278, 24479), (356, 24620), (360, 24635), (364, 24647), (368, 24671), (388, 24755), (390, 24761), (397, 24794), (402, 24806), (433, 24902), (435, 24905), (440, 24926),

Gene: BabeRuth_21 Start: 19877, Stop: 21031, Start Num: 59

Candidate Starts for BabeRuth_21:

(18, 19640), (22, 19682), (27, 19712), (29, 19742), (38, 19802), (48, 19856), (Start: 59 @19877 has 54 MA's), (76, 19940), (81, 19958), (Start: 103 @20006 has 4 MA's), (128, 20066), (131, 20075), (139, 20090), (149, 20114), (158, 20138), (165, 20150), (204, 20225), (208, 20234), (217, 20258), (230, 20288), (258, 20333), (260, 20336), (263, 20342), (306, 20372), (308, 20375), (320, 20396), (367, 20555), (389, 20645), (392, 20654), (398, 20684), (409, 20705), (492, 21008),

Gene: Babsiella_22 Start: 21313, Stop: 22350, Start Num: 88

Candidate Starts for Babsiella_22:

(81, 21289), (Start: 86 @21310 has 7 MA's), (Start: 88 @21313 has 91 MA's), (102, 21337), (161, 21475), (184, 21517), (222, 21586), (250, 21646), (273, 21691), (294, 21736), (347, 21817), (364, 21874), (368, 21898), (394, 22003), (415, 22075), (434, 22120), (486, 22285),

Gene: BabyMoney_29 Start: 25948, Stop: 27033, Start Num: 88

Candidate Starts for BabyMoney_29:

(11, 25351), (13, 25438), (23, 25636), (Start: 88 @25948 has 91 MA's), (138, 26053), (164, 26116), (183, 26158), (219, 26236), (261, 26320), (278, 26350), (320, 26413), (364, 26521), (394, 26653),

Gene: Badfish_33 Start: 32386, Stop: 33546, Start Num: 56

Candidate Starts for Badfish_33:

(Start: 56 @32386 has 333 MA's), (Start: 92 @32497 has 15 MA's), (112, 32542), (154, 32641), (185, 32701), (204, 32737), (214, 32761), (233, 32806), (235, 32812), (258, 32863), (280, 32902), (282, 32905), (287, 32917), (305, 32932), (328, 32956), (347, 32989), (367, 33070), (377, 33115), (392, 33163), (401, 33199), (405, 33208), (409, 33214), (481, 33439),

Gene: Bae_31 Start: 32397, Stop: 33902, Start Num: 15

Candidate Starts for Bae_31:

(Start: 15 @32397 has 9 MA's), (16, 32415), (19, 32436), (24, 32490), (28, 32508), (36, 32586), (41, 32601), (142, 32901), (152, 32928), (165, 32955), (201, 33021), (Start: 209 @33042 has 1 MA's), (214, 33057), (231, 33096), (263, 33186), (278, 33213), (295, 33246), (345, 33342), (350, 33369), (361, 33408), (369, 33444), (398, 33567), (433, 33672), (473, 33768), (475, 33786), (495, 33888),

Gene: Baloo_33 Start: 32222, Stop: 33424, Start Num: 58

Candidate Starts for Baloo_33:

(Start: 58 @32222 has 44 MA's), (67, 32255), (122, 32399), (127, 32408), (131, 32417), (148, 32456), (151, 32465), (158, 32483), (185, 32534), (190, 32543), (198, 32555), (201, 32561), (204, 32570), (224, 32615), (230, 32630), (249, 32675), (268, 32714), (284, 32744), (292, 32759), (305, 32771), (320, 32795), (338, 32840), (345, 32861), (349, 32885), (369, 32960), (373, 32990), (392, 33050), (394, 33062), (398, 33080), (428, 33182), (467, 33287), (473, 33293), (475, 33311), (491, 33398),

Gene: Bananafish_33 Start: 32686, Stop: 33855, Start Num: 53

Candidate Starts for Bananafish_33:

(26, 32545), (Start: 53 @32686 has 9 MA's), (Start: 56 @32692 has 333 MA's), (67, 32731), (77, 32761), (Start: 92 @32806 has 15 MA's), (112, 32851), (154, 32950), (185, 33010), (204, 33046), (214, 33070), (233, 33115), (235, 33121), (258, 33172), (280, 33211), (282, 33214), (287, 33226), (305, 33241), (328, 33265), (347, 33298), (367, 33379), (392, 33472), (401, 33508), (405, 33517), (409, 33523), (481, 33748),

Gene: Banjo_32 Start: 32062, Stop: 33222, Start Num: 56

Candidate Starts for Banjo_32:

(Start: 56 @32062 has 333 MA's), (Start: 92 @32173 has 15 MA's), (112, 32218), (154, 32317), (185, 32377), (204, 32413), (214, 32437), (233, 32482), (235, 32488), (258, 32539), (280, 32578), (282, 32581), (287, 32593), (305, 32608), (328, 32632), (347, 32665), (367, 32746), (377, 32791), (392, 32839), (401, 32875), (405, 32884), (409, 32890), (481, 33115),

Gene: Bartholomew_22 Start: 21299, Stop: 22336, Start Num: 88

Candidate Starts for Bartholomew_22:

(81, 21275), (Start: 86 @21296 has 7 MA's), (Start: 88 @21299 has 91 MA's), (102, 21323), (161, 21461), (184, 21503), (222, 21572), (250, 21632), (273, 21677), (294, 21722), (347, 21803), (364, 21860), (368, 21884), (394, 21989), (415, 22061), (434, 22106), (486, 22271),

Gene: Basato_34 Start: 32641, Stop: 33801, Start Num: 56

Candidate Starts for Basato_34:

(Start: 56 @32641 has 333 MA's), (Start: 92 @32752 has 15 MA's), (112, 32797), (154, 32896), (185, 32956), (204, 32992), (214, 33016), (233, 33061), (235, 33067), (258, 33118), (280, 33157), (282, 33160), (287, 33172), (305, 33187), (328, 33211), (347, 33244), (367, 33325), (377, 33370), (392, 33418), (401, 33454), (405, 33463), (409, 33469), (481, 33694),

Gene: BatteryCK_32 Start: 31981, Stop: 33141, Start Num: 56

Candidate Starts for BatteryCK_32:

(Start: 56 @31981 has 333 MA's), (Start: 92 @32092 has 15 MA's), (112, 32137), (154, 32236), (185, 32296), (204, 32332), (214, 32356), (233, 32401), (235, 32407), (258, 32458), (280, 32497), (282, 32500), (287, 32512), (328, 32551), (347, 32584), (367, 32665), (392, 32758), (401, 32794), (405, 32803), (409, 32809), (481, 33034),

Gene: Beaglebox_32 Start: 32083, Stop: 33243, Start Num: 56

Candidate Starts for Beaglebox_32:

(Start: 56 @32083 has 333 MA's), (Start: 92 @32194 has 15 MA's), (112, 32239), (154, 32338), (185, 32398), (204, 32434), (214, 32458), (233, 32503), (235, 32509), (258, 32560), (280, 32599), (282, 32602), (287, 32614), (328, 32653), (347, 32686), (367, 32767), (377, 32812), (392, 32860), (401, 32896), (405, 32905), (409, 32911), (481, 33136),

Gene: Bellis_22 Start: 22249, Stop: 23466, Start Num: 56

Candidate Starts for Bellis_22:

(Start: 56 @22249 has 333 MA's), (90, 22351), (97, 22363), (105, 22381), (110, 22390), (126, 22429), (142, 22465), (148, 22480), (150, 22486), (163, 22516), (165, 22519), (181, 22555), (189, 22567), (214, 22618), (215, 22621), (240, 22681), (253, 22708), (260, 22723), (263, 22729), (271, 22741), (301, 22801), (316, 22825), (345, 22885), (368, 22981), (373, 23014), (394, 23086), (401, 23110), (409, 23125), (477, 23338), (479, 23350),

Gene: Ben11_32 Start: 32041, Stop: 33243, Start Num: 58

Candidate Starts for Ben11_32:

(Start: 58 @32041 has 44 MA's), (67, 32074), (122, 32218), (127, 32227), (131, 32236), (148, 32275), (151, 32284), (158, 32302), (168, 32320), (175, 32338), (180, 32344), (187, 32356), (198, 32374), (204, 32389), (218, 32422), (230, 32449), (249, 32494), (290, 32575), (313, 32602), (324, 32620), (330, 32638), (345, 32680), (349, 32704), (369, 32779), (373, 32809), (392, 32869), (394, 32881), (398, 32899), (427, 32998), (428, 33001), (467, 33106), (473, 33112), (475, 33130), (491, 33217),

Gene: Bernardo_33 Start: 32309, Stop: 33511, Start Num: 58

Candidate Starts for Bernardo_33:

(Start: 58 @32309 has 44 MA's), (67, 32342), (122, 32486), (127, 32495), (131, 32504), (148, 32543), (151, 32552), (158, 32570), (185, 32621), (190, 32630), (198, 32642), (204, 32657), (224, 32702), (230, 32717), (249, 32762), (284, 32831), (292, 32846), (305, 32858), (320, 32882), (339, 32930), (342, 32936), (343, 32942), (345, 32948), (349, 32972), (369, 33047), (373, 33077), (392, 33137), (394, 33149), (398, 33167), (428, 33269), (467, 33374), (473, 33380), (484, 33449),

Gene: BetterKatz_27 Start: 23574, Stop: 24641, Start Num: 92

Candidate Starts for BetterKatz_27:

(Start: 92 @23574 has 15 MA's), (278, 23952), (356, 24093), (360, 24108), (364, 24120), (368, 24144), (369, 24147), (388, 24228), (433, 24375),

Gene: BigNuz_22 Start: 21497, Stop: 22546, Start Num: 88

Candidate Starts for BigNuz_22:

(Start: 88 @21497 has 91 MA's), (99, 21518), (161, 21659), (179, 21689), (190, 21710), (226, 21773), (241, 21812), (343, 21971), (373, 22103), (401, 22199), (488, 22484),

Gene: BigPhil_20 Start: 20087, Stop: 21244, Start Num: 56

Candidate Starts for BigPhil_20:

(Start: 56 @20087 has 333 MA's), (Start: 59 @20090 has 54 MA's), (Start: 103 @20219 has 4 MA's), (115, 20249), (128, 20279), (131, 20288), (139, 20303), (149, 20327), (158, 20351), (165, 20363), (204, 20438), (208, 20447), (217, 20471), (230, 20501), (306, 20585), (308, 20588), (320, 20609), (389, 20858), (392, 20867), (398, 20897), (409, 20918), (425, 20987), (492, 21221),

Gene: Bipper_28 Start: 26155, Stop: 27216, Start Num: 88

Candidate Starts for Bipper_28:

(Start: 88 @26155 has 91 MA's), (150, 26293), (159, 26314), (161, 26317), (188, 26365), (190, 26368), (227, 26443), (250, 26488), (273, 26530), (274, 26533), (283, 26551), (294, 26575), (305, 26587), (311, 26596), (320, 26602), (368, 26734), (390, 26824), (409, 26881), (416, 26917), (426, 26956), (457, 27037), (494, 27199),

Gene: Bishoperium_32 Start: 32071, Stop: 33231, Start Num: 56

Candidate Starts for Bishoperium_32:

(Start: 56 @32071 has 333 MA's), (Start: 92 @32182 has 15 MA's), (112, 32227), (154, 32326), (185, 32386), (204, 32422), (214, 32446), (233, 32491), (235, 32497), (258, 32548), (280, 32587), (282, 32590), (287, 32602), (305, 32617), (328, 32641), (347, 32674), (367, 32755), (377, 32800), (392, 32848), (401, 32884), (405, 32893), (409, 32899), (481, 33124),

Gene: BlackStallion_33 Start: 32373, Stop: 33533, Start Num: 56

Candidate Starts for BlackStallion_33:

(Start: 56 @32373 has 333 MA's), (Start: 92 @32484 has 15 MA's), (112, 32529), (154, 32628), (185, 32688), (204, 32724), (214, 32748), (233, 32793), (235, 32799), (258, 32850), (280, 32889), (282, 32892), (287, 32904), (305, 32919), (328, 32943), (347, 32976), (367, 33057), (377, 33102), (392, 33150), (401, 33186), (405, 33195), (409, 33201), (481, 33426),

Gene: Blocker23_33 Start: 32804, Stop: 33973, Start Num: 53

Candidate Starts for Blocker23_33:

(26, 32663), (Start: 53 @32804 has 9 MA's), (Start: 56 @32810 has 333 MA's), (67, 32849), (77, 32879), (Start: 92 @32924 has 15 MA's), (112, 32969), (154, 33068), (185, 33128), (204, 33164), (214, 33188), (233, 33233), (235, 33239), (258, 33290), (280, 33329), (282, 33332), (287, 33344), (305, 33359), (328, 33383), (347, 33416), (367, 33497), (392, 33590), (401, 33626), (405, 33635), (409, 33641), (481, 33866),

Gene: BlueHusk_33 Start: 31870, Stop: 33030, Start Num: 56

Candidate Starts for BlueHusk_33:

(Start: 56 @31870 has 333 MA's), (Start: 92 @31981 has 15 MA's), (112, 32026), (154, 32125), (185, 32185), (204, 32221), (214, 32245), (233, 32290), (235, 32296), (258, 32347), (280, 32386), (282, 32389), (287, 32401), (305, 32416), (328, 32440), (347, 32473), (367, 32554), (377, 32599), (392, 32647), (401, 32683), (405, 32692), (409, 32698), (481, 32923),

Gene: Bluephacebaby_32 Start: 32068, Stop: 33228, Start Num: 56

Candidate Starts for Bluephacebaby_32:

(Start: 56 @32068 has 333 MA's), (Start: 92 @32179 has 15 MA's), (112, 32224), (154, 32323), (185, 32383), (204, 32419), (214, 32443), (233, 32488), (235, 32494), (258, 32545), (280, 32584), (282, 32587), (287, 32599), (305, 32614), (328, 32638), (347, 32671), (367, 32752), (377, 32797), (392, 32845), (401, 32881), (405, 32890), (409, 32896), (481, 33121),

Gene: BobbyK_30 Start: 32610, Stop: 33767, Start Num: 59

Candidate Starts for BobbyK_30:

(Start: 59 @32610 has 54 MA's), (84, 32703), (Start: 92 @32718 has 15 MA's), (98, 32733), (105, 32745), (112, 32763), (174, 32904), (180, 32913), (190, 32931), (204, 32958), (215, 32973), (218, 32979), (222, 32985), (224, 32991), (239, 33018), (243, 33027), (262, 33060), (286, 33093), (326, 33153), (337, 33183), (345, 33189), (355, 33234), (368, 33288), (369, 33291), (409, 33435), (456, 33588),

Gene: Bock_27 Start: 23324, Stop: 24391, Start Num: 92

Candidate Starts for Bock_27:

(Start: 92 @23324 has 15 MA's), (278, 23702), (356, 23843), (360, 23858), (368, 23894), (388, 23978), (433, 24125),

Gene: Boehler_33 Start: 32374, Stop: 33534, Start Num: 56

Candidate Starts for Boehler_33:

(Start: 56 @32374 has 333 MA's), (Start: 92 @32485 has 15 MA's), (112, 32530), (154, 32629), (185, 32689), (204, 32725), (214, 32749), (233, 32794), (235, 32800), (258, 32851), (280, 32890), (282, 32893), (287, 32905), (305, 32920), (328, 32944), (347, 32977), (367, 33058), (377, 33103), (392, 33151), (401, 33187), (405, 33196), (409, 33202), (481, 33427),

Gene: Bongo_31 Start: 26992, Stop: 28047, Start Num: 88

Candidate Starts for Bongo_31:

(Start: 88 @26992 has 91 MA's), (190, 27205), (212, 27241), (240, 27304), (280, 27376), (294, 27406), (309, 27427), (331, 27463), (349, 27499), (364, 27547), (367, 27568), (369, 27574), (373, 27604), (375, 27607), (389, 27655), (449, 27844), (459, 27865), (476, 27919),

Gene: BourbonZero_21 Start: 22227, Stop: 23426, Start Num: 56

Candidate Starts for BourbonZero_21:

(Start: 56 @22227 has 333 MA's), (90, 22329), (105, 22359), (110, 22368), (126, 22407), (131, 22419), (148, 22458), (163, 22494), (168, 22503), (186, 22539), (211, 22587), (271, 22719), (274, 22725), (337, 22839), (345, 22863), (367, 22956), (373, 22992), (390, 23046), (394, 23064), (460, 23256), (487, 23364),

Gene: Boyle_33 Start: 32811, Stop: 33974, Start Num: 56

Candidate Starts for Boyle_33:

(26, 32664), (Start: 53 @32805 has 9 MA's), (Start: 56 @32811 has 333 MA's), (67, 32850), (77, 32880), (Start: 92 @32925 has 15 MA's), (112, 32970), (154, 33069), (185, 33129), (204, 33165), (214, 33189), (233, 33234), (235, 33240), (258, 33291), (280, 33330), (282, 33333), (287, 33345), (305, 33360), (328, 33384), (347, 33417), (367, 33498), (377, 33543), (392, 33591), (401, 33627), (405, 33636), (409, 33642), (424, 33702), (481, 33867),

Gene: BrainDrainer_22 Start: 21566, Stop: 22720, Start Num: 56

Candidate Starts for BrainDrainer_22:

(Start: 56 @21566 has 333 MA's), (90, 21668), (97, 21680), (127, 21749), (168, 21842), (198, 21896), (211, 21926), (214, 21935), (231, 21974), (252, 22022), (263, 22046), (271, 22058), (316, 22082), (351, 22172), (383, 22289), (389, 22325), (392, 22334), (410, 22391), (417, 22430),

Gene: Bricole_31 Start: 26978, Stop: 28033, Start Num: 88

Candidate Starts for Bricole_31:

(Start: 88 @26978 has 91 MA's), (190, 27191), (212, 27227), (240, 27290), (280, 27362), (294, 27392), (309, 27413), (331, 27449), (349, 27485), (364, 27533), (367, 27554), (369, 27560), (373, 27590), (375, 27593), (389, 27641), (449, 27830), (459, 27851), (476, 27905),

Gene: Brilliant_33 Start: 32079, Stop: 33239, Start Num: 56

Candidate Starts for Brilliant_33:

(Start: 56 @32079 has 333 MA's), (Start: 92 @32190 has 15 MA's), (112, 32235), (154, 32334), (185, 32394), (204, 32430), (214, 32454), (233, 32499), (235, 32505), (258, 32556), (280, 32595), (282, 32598), (287, 32610), (328, 32649), (347, 32682), (367, 32763), (377, 32808), (392, 32856), (401, 32892), (405, 32901), (409, 32907), (481, 33132),

Gene: Brocalys_20 Start: 19901, Stop: 21058, Start Num: 57

Candidate Starts for Brocalys_20:

(Start: 57 @19901 has 3 MA's), (Start: 92 @20009 has 15 MA's), (Start: 103 @20030 has 4 MA's), (128, 20090), (139, 20114), (142, 20120), (149, 20138), (153, 20150), (158, 20162), (165, 20174), (198, 20234), (204, 20249), (208, 20258), (217, 20282), (230, 20312), (306, 20396), (308, 20399), (320, 20420), (329, 20441), (333, 20450), (336, 20462), (340, 20471), (409, 20732), (425, 20801), (492, 21035),

Gene: Bromden_23 Start: 22120, Stop: 23205, Start Num: 70

Candidate Starts for Bromden_23:

(Start: 70 @22120 has 4 MA's), (73, 22132), (191, 22375), (Start: 209 @22411 has 1 MA's), (228, 22450), (235, 22459), (248, 22483), (339, 22594), (344, 22609), (369, 22711), (384, 22756), (394, 22810), (409, 22849), (479, 23092),

Gene: BrownCNA_31 Start: 32871, Stop: 34028, Start Num: 59

Candidate Starts for BrownCNA_31:

(Start: 59 @32871 has 54 MA's), (84, 32964), (Start: 92 @32979 has 15 MA's), (98, 32994), (105, 33006), (112, 33024), (132, 33066), (174, 33165), (180, 33174), (190, 33192), (204, 33219), (215, 33234), (218, 33240), (222, 33246), (224, 33252), (239, 33279), (243, 33288), (262, 33321), (286, 33354), (324, 33408), (326, 33414), (337, 33444), (345, 33450), (348, 33471), (355, 33495), (368, 33549), (369, 33552), (409, 33696),

Gene: Brownie5_33 Start: 32811, Stop: 33980, Start Num: 53

Candidate Starts for Brownie5_33:

(26, 32670), (Start: 53 @32811 has 9 MA's), (Start: 56 @32817 has 333 MA's), (67, 32856), (77, 32886), (Start: 92 @32931 has 15 MA's), (112, 32976), (154, 33075), (185, 33135), (204, 33171), (214, 33195), (233, 33240), (235, 33246), (258, 33297), (280, 33336), (282, 33339), (287, 33351), (305, 33366), (328, 33390), (347, 33423), (367, 33504), (392, 33597), (401, 33633), (405, 33642), (409, 33648), (424, 33708), (481, 33873),

Gene: Brusacoram_22 Start: 21299, Stop: 22336, Start Num: 88

Candidate Starts for Brusacoram_22:

(81, 21275), (Start: 86 @21296 has 7 MA's), (Start: 88 @21299 has 91 MA's), (102, 21323), (161, 21461), (184, 21503), (222, 21572), (250, 21632), (273, 21677), (294, 21722), (347, 21803), (364, 21860), (368, 21884), (394, 21989), (415, 22061), (434, 22106), (486, 22271),

Gene: Brylie_27 Start: 23315, Stop: 24382, Start Num: 92

Candidate Starts for Brylie_27:

(Start: 92 @23315 has 15 MA's), (191, 23525), (278, 23693), (356, 23834), (360, 23849), (364, 23861), (368, 23885), (388, 23969), (396, 24005), (433, 24116),

Gene: Buckeye_33 Start: 32391, Stop: 33551, Start Num: 56

Candidate Starts for Buckeye_33:

(Start: 56 @32391 has 333 MA's), (Start: 92 @32502 has 15 MA's), (112, 32547), (154, 32646), (185, 32706), (204, 32742), (214, 32766), (233, 32811), (235, 32817), (258, 32868), (280, 32907), (282, 32910), (287, 32922), (305, 32937), (328, 32961), (347, 32994), (367, 33075), (377, 33120), (392, 33168), (401, 33204), (405, 33213), (409, 33219), (481, 33444),

Gene: Bunnies_22 Start: 21321, Stop: 22358, Start Num: 88

Candidate Starts for Bunnies_22:

(81, 21297), (Start: 86 @21318 has 7 MA's), (Start: 88 @21321 has 91 MA's), (102, 21345), (161, 21483), (184, 21525), (222, 21594), (250, 21654), (273, 21699), (294, 21744), (347, 21825), (364, 21882), (368, 21906), (394, 22011), (415, 22083), (434, 22128), (486, 22293),

Gene: Burr_32 Start: 32068, Stop: 33228, Start Num: 56

Candidate Starts for Burr_32:

(Start: 56 @32068 has 333 MA's), (Start: 92 @32179 has 15 MA's), (112, 32224), (154, 32323), (185, 32383), (204, 32419), (214, 32443), (233, 32488), (235, 32494), (258, 32545), (280, 32584), (282, 32587), (287, 32599), (328, 32638), (347, 32671), (367, 32752), (377, 32797), (392, 32845), (401, 32881), (405, 32890), (409, 32896), (481, 33121),

Gene: Butters_22 Start: 19998, Stop: 21038, Start Num: 87

Candidate Starts for Butters_22:

(72, 19932), (Start: 87 @19998 has 6 MA's), (158, 20157), (161, 20163), (219, 20271), (222, 20274), (229, 20289), (273, 20379), (294, 20424), (347, 20505), (364, 20562), (368, 20586), (390, 20673), (394, 20691), (415, 20763), (434, 20808), (486, 20973),

Gene: CRB2_34 Start: 34225, Stop: 35433, Start Num: 59

Candidate Starts for CRB2_34:

(20, 34009), (46, 34192), (Start: 59 @34225 has 54 MA's), (115, 34387), (128, 34423), (148, 34471), (168, 34516), (201, 34576), (208, 34594), (236, 34660), (245, 34678), (255, 34696), (262, 34711), (263, 34714), (276, 34738), (370, 34933), (393, 35023), (398, 35068), (406, 35083), (426, 35170), (432, 35185), (449, 35236), (462, 35269), (494, 35416),

Gene: CactusJack_22 Start: 21561, Stop: 22601, Start Num: 85

Candidate Starts for CactusJack_22:

(Start: 85 @21561 has 8 MA's), (158, 21720), (161, 21726), (184, 21768), (219, 21834), (222, 21837), (250, 21897), (273, 21942), (294, 21987), (347, 22068), (364, 22125), (368, 22149), (394, 22254), (415, 22326), (434, 22371),

Gene: Calamitous_33 Start: 32697, Stop: 33860, Start Num: 56

Candidate Starts for Calamitous_33:

(26, 32550), (Start: 53 @32691 has 9 MA's), (Start: 56 @32697 has 333 MA's), (67, 32736), (77, 32766), (Start: 92 @32811 has 15 MA's), (112, 32856), (154, 32955), (185, 33015), (204, 33051), (214, 33075), (233, 33120), (235, 33126), (258, 33177), (280, 33216), (282, 33219), (287, 33231), (305,

33246), (328, 33270), (347, 33303), (367, 33384), (392, 33477), (401, 33513), (405, 33522), (409, 33528), (481, 33753),

Gene: Calm_21 Start: 21702, Stop: 22874, Start Num: 56

Candidate Starts for Calm_21:

(Start: 54 @21699 has 5 MA's), (Start: 56 @21702 has 333 MA's), (Start: 103 @21828 has 4 MA's), (119, 21870), (126, 21882), (127, 21885), (142, 21918), (147, 21930), (150, 21939), (168, 21978), (175, 21996), (198, 22032), (204, 22047), (226, 22098), (237, 22128), (257, 22170), (272, 22194), (325, 22230), (327, 22236), (340, 22263), (345, 22281), (369, 22374), (370, 22377), (390, 22461), (430, 22599), (438, 22617), (467, 22701),

Gene: CamL_33 Start: 32369, Stop: 33529, Start Num: 56

Candidate Starts for CamL_33:

(Start: 56 @32369 has 333 MA's), (Start: 92 @32480 has 15 MA's), (112, 32525), (154, 32624), (185, 32684), (204, 32720), (214, 32744), (233, 32789), (235, 32795), (258, 32846), (280, 32885), (282, 32888), (287, 32900), (305, 32915), (328, 32939), (347, 32972), (367, 33053), (377, 33098), (392, 33146), (401, 33182), (405, 33191), (409, 33197), (481, 33422),

Gene: CampRoach_33 Start: 32359, Stop: 33519, Start Num: 56

Candidate Starts for CampRoach_33:

(Start: 56 @32359 has 333 MA's), (Start: 92 @32470 has 15 MA's), (112, 32515), (154, 32614), (185, 32674), (204, 32710), (214, 32734), (233, 32779), (235, 32785), (258, 32836), (280, 32875), (282, 32878), (287, 32890), (328, 32929), (347, 32962), (367, 33043), (392, 33136), (401, 33172), (405, 33181), (409, 33187), (481, 33412),

Gene: Camster_22 Start: 21300, Stop: 22367, Start Num: 88

Candidate Starts for Camster_22:

(81, 21276), (Start: 86 @21297 has 7 MA's), (Start: 88 @21300 has 91 MA's), (102, 21324), (161, 21462), (184, 21504), (222, 21573), (250, 21633), (273, 21678), (294, 21723), (346, 21792), (347, 21804), (364, 21861), (368, 21885), (414, 22056),

Gene: Cannibal_33 Start: 32352, Stop: 33512, Start Num: 56

Candidate Starts for Cannibal_33:

(Start: 56 @32352 has 333 MA's), (Start: 92 @32463 has 15 MA's), (112, 32508), (154, 32607), (185, 32667), (204, 32703), (214, 32727), (233, 32772), (235, 32778), (258, 32829), (280, 32868), (282, 32871), (287, 32883), (328, 32922), (347, 32955), (367, 33036), (377, 33081), (392, 33129), (401, 33165), (405, 33174), (409, 33180), (481, 33405),

Gene: Carthage_31 Start: 31281, Stop: 32441, Start Num: 56

Candidate Starts for Carthage_31:

(Start: 56 @31281 has 333 MA's), (Start: 92 @31392 has 15 MA's), (112, 31437), (154, 31536), (185, 31596), (204, 31632), (214, 31656), (233, 31701), (235, 31707), (258, 31758), (280, 31797), (282, 31800), (287, 31812), (328, 31851), (347, 31884), (367, 31965), (377, 32010), (392, 32058), (401, 32094), (405, 32103), (409, 32109), (481, 32334),

Gene: Casbah_32 Start: 32071, Stop: 33273, Start Num: 58

Candidate Starts for Casbah_32:

(Start: 58 @32071 has 44 MA's), (67, 32104), (122, 32248), (127, 32257), (131, 32266), (148, 32305), (151, 32314), (158, 32332), (168, 32350), (175, 32368), (180, 32374), (187, 32386), (198, 32404), (204, 32419), (218, 32452), (230, 32479), (249, 32524), (290, 32605), (313, 32632), (324, 32650), (330, 32668), (345, 32710), (349, 32734), (369, 32809), (373, 32839), (392, 32899), (394, 32911), (398, 32929), (427, 33028), (428, 33031), (467, 33136), (473, 33142), (475, 33160), (491, 33247),

Gene: Caspiboi_34 Start: 32078, Stop: 33238, Start Num: 56

Candidate Starts for Caspiboi_34:

(Start: 56 @32078 has 333 MA's), (Start: 92 @32189 has 15 MA's), (112, 32234), (154, 32333), (185, 32393), (204, 32429), (214, 32453), (233, 32498), (235, 32504), (258, 32555), (280, 32594), (282, 32597), (287, 32609), (328, 32648), (347, 32681), (367, 32762), (392, 32855), (401, 32891), (405, 32900), (409, 32906), (481, 33131),

Gene: Cepens_25 Start: 29381, Stop: 30586, Start Num: 50

Candidate Starts for Cepens_25:

(Start: 49 @29378 has 2 MA's), (Start: 50 @29381 has 6 MA's), (77, 29450), (105, 29519), (116, 29549), (122, 29561), (126, 29567), (127, 29570), (131, 29579), (148, 29618), (151, 29627), (155, 29639), (185, 29696), (190, 29705), (198, 29717), (204, 29732), (224, 29777), (230, 29792), (249, 29837), (284, 29906), (305, 29933), (320, 29957), (338, 30002), (345, 30023), (349, 30047), (369, 30122), (373, 30152), (392, 30212), (394, 30224), (398, 30242), (428, 30344), (473, 30455), (475, 30473), (484, 30524), (491, 30560),

Gene: Cerasum_20 Start: 20087, Stop: 21244, Start Num: 56

Candidate Starts for Cerasum_20:

(Start: 56 @20087 has 333 MA's), (Start: 59 @20090 has 54 MA's), (Start: 103 @20219 has 4 MA's), (115, 20249), (128, 20279), (131, 20288), (139, 20303), (149, 20327), (158, 20351), (165, 20363), (204, 20438), (208, 20447), (217, 20471), (230, 20501), (306, 20585), (308, 20588), (320, 20609), (389, 20858), (392, 20867), (398, 20897), (409, 20918), (425, 20987), (492, 21221),

Gene: ChaChing_33 Start: 32234, Stop: 33436, Start Num: 58

Candidate Starts for ChaChing_33:

(Start: 58 @32234 has 44 MA's), (67, 32267), (122, 32411), (127, 32420), (131, 32429), (148, 32468), (151, 32477), (158, 32495), (168, 32513), (175, 32531), (180, 32537), (187, 32549), (198, 32567), (204, 32582), (218, 32615), (230, 32642), (249, 32687), (290, 32768), (313, 32795), (324, 32813), (330, 32831), (345, 32873), (349, 32897), (369, 32972), (373, 33002), (392, 33062), (394, 33074), (398, 33092), (428, 33194), (467, 33299), (473, 33305), (475, 33323), (491, 33410),

Gene: Chaelin_33 Start: 32066, Stop: 33226, Start Num: 56

Candidate Starts for Chaelin_33:

(Start: 56 @32066 has 333 MA's), (Start: 92 @32177 has 15 MA's), (112, 32222), (154, 32321), (185, 32381), (204, 32417), (214, 32441), (233, 32486), (235, 32492), (258, 32543), (280, 32582), (282, 32585), (287, 32597), (328, 32636), (347, 32669), (367, 32750), (377, 32795), (392, 32843), (401, 32879), (405, 32888), (409, 32894), (481, 33119),

Gene: Chah_34 Start: 32386, Stop: 33546, Start Num: 56

Candidate Starts for Chah_34:

(Start: 56 @32386 has 333 MA's), (Start: 92 @32497 has 15 MA's), (112, 32542), (154, 32641), (185, 32701), (204, 32737), (214, 32761), (233, 32806), (235, 32812), (258, 32863), (280, 32902), (282, 32905), (287, 32917), (328, 32956), (347, 32989), (367, 33070), (377, 33115), (392, 33163), (401, 33199), (405, 33208), (409, 33214), (481, 33439),

Gene: Chalmers_33 Start: 33026, Stop: 34228, Start Num: 58

Candidate Starts for Chalmers_33:

(Start: 58 @33026 has 44 MA's), (67, 33059), (122, 33203), (127, 33212), (131, 33221), (148, 33260), (151, 33269), (158, 33287), (168, 33305), (175, 33323), (180, 33329), (187, 33341), (198, 33359), (204, 33374), (218, 33407), (230, 33434), (249, 33479), (290, 33560), (313, 33587), (324, 33605), (330, 33623), (345, 33665), (349, 33689), (369, 33764), (373, 33794), (392, 33854), (394, 33866), (398, 33884), (428, 33986), (467, 34091), (473, 34097), (475, 34115), (491, 34202),

Gene: Chandler_33 Start: 33002, Stop: 34204, Start Num: 58

Candidate Starts for Chandler_33:

(Start: 58 @33002 has 44 MA's), (67, 33035), (122, 33179), (127, 33188), (131, 33197), (148, 33236), (151, 33245), (158, 33263), (168, 33281), (175, 33299), (180, 33305), (187, 33317), (198, 33335), (204, 33350), (218, 33383), (230, 33410), (249, 33455), (290, 33536), (313, 33563), (324, 33581), (330, 33599), (345, 33641), (349, 33665), (369, 33740), (373, 33770), (392, 33830), (394, 33842), (398, 33860), (428, 33962), (467, 34067), (473, 34073), (475, 34091), (491, 34178),

Gene: Charles1_33 Start: 32354, Stop: 33514, Start Num: 56

Candidate Starts for Charles1_33:

(Start: 56 @32354 has 333 MA's), (Start: 92 @32465 has 15 MA's), (112, 32510), (154, 32609), (185, 32669), (204, 32705), (214, 32729), (233, 32774), (235, 32780), (258, 32831), (280, 32870), (282, 32873), (287, 32885), (305, 32900), (328, 32924), (347, 32957), (367, 33038), (377, 33083), (392, 33131), (401, 33167), (405, 33176), (409, 33182), (481, 33407),

Gene: CharlieGBrown_32 Start: 31944, Stop: 33104, Start Num: 56

Candidate Starts for CharlieGBrown_32:

(Start: 56 @31944 has 333 MA's), (Start: 92 @32055 has 15 MA's), (112, 32100), (154, 32199), (185, 32259), (204, 32295), (214, 32319), (233, 32364), (235, 32370), (258, 32421), (280, 32460), (282, 32463), (287, 32475), (305, 32490), (328, 32514), (347, 32547), (367, 32628), (377, 32673), (392, 32721), (401, 32757), (405, 32766), (409, 32772), (481, 32997),

Gene: Chaser_21 Start: 21531, Stop: 22616, Start Num: 70

Candidate Starts for Chaser_21:

(Start: 70 @21531 has 4 MA's), (189, 21783), (Start: 209 @21822 has 1 MA's), (213, 21831), (214, 21834), (228, 21861), (235, 21870), (248, 21894), (273, 21945), (304, 21951), (339, 22005), (394, 22221), (409, 22260), (450, 22401), (463, 22434), (479, 22503),

Gene: Che9c_21 Start: 21007, Stop: 22053, Start Num: 88

Candidate Starts for Che9c_21:

(Start: 88 @21007 has 91 MA's), (190, 21220), (250, 21331), (273, 21373), (274, 21376), (313, 21445), (367, 21577), (373, 21613), (407, 21721), (459, 21874), (461, 21883), (466, 21895),

Gene: CheetO_33 Start: 32368, Stop: 33528, Start Num: 56

Candidate Starts for CheetO_33:

(Start: 56 @32368 has 333 MA's), (Start: 92 @32479 has 15 MA's), (112, 32524), (154, 32623), (185, 32683), (204, 32719), (214, 32743), (233, 32788), (235, 32794), (258, 32845), (280, 32884), (282, 32887), (287, 32899), (305, 32914), (328, 32938), (347, 32971), (367, 33052), (377, 33097), (392, 33145), (401, 33181), (405, 33190), (409, 33196), (481, 33421),

Gene: Chentzyk_32 Start: 32092, Stop: 33294, Start Num: 58

Candidate Starts for Chentzyk_32:

(Start: 58 @32092 has 44 MA's), (67, 32125), (122, 32269), (127, 32278), (131, 32287), (148, 32326), (151, 32335), (158, 32353), (168, 32371), (175, 32389), (180, 32395), (187, 32407), (198, 32425), (204, 32440), (218, 32473), (230, 32500), (249, 32545), (290, 32626), (313, 32653), (324, 32671), (330, 32689), (345, 32731), (349, 32755), (369, 32830), (373, 32860), (392, 32920), (394, 32932), (398, 32950), (428, 33052), (467, 33157), (473, 33163), (475, 33181), (491, 33268),

Gene: Cher_32 Start: 32091, Stop: 33251, Start Num: 56

Candidate Starts for Cher_32:

(Start: 56 @32091 has 333 MA's), (Start: 92 @32202 has 15 MA's), (112, 32247), (154, 32346), (185, 32406), (204, 32442), (214, 32466), (233, 32511), (235, 32517), (258, 32568), (280, 32607), (282, 32610), (287, 32622), (305, 32637), (328, 32661), (347, 32694), (367, 32775), (377, 32820), (392,

32868), (401, 32904), (405, 32913), (409, 32919), (481, 33144),

Gene: Childish_32 Start: 32094, Stop: 33254, Start Num: 56

Candidate Starts for Childish_32:

(Start: 56 @32094 has 333 MA's), (Start: 92 @32205 has 15 MA's), (112, 32250), (154, 32349), (185, 32409), (204, 32445), (214, 32469), (233, 32514), (235, 32520), (258, 32571), (280, 32610), (282, 32613), (287, 32625), (305, 32640), (328, 32664), (347, 32697), (367, 32778), (377, 32823), (392, 32871), (401, 32907), (405, 32916), (409, 32922), (481, 33147),

Gene: ChipMunk_34 Start: 25662, Stop: 26558, Start Num: 56

Candidate Starts for ChipMunk_34:

(Start: 56 @25662 has 333 MA's), (148, 25893), (175, 25956), (180, 25962), (215, 26034), (242, 26088), (392, 26424),

Gene: Chop_27 Start: 23849, Stop: 24916, Start Num: 92

Candidate Starts for Chop_27:

(Start: 92 @23849 has 15 MA's), (278, 24227), (356, 24368), (360, 24383), (364, 24395), (368, 24419), (388, 24503), (390, 24509), (397, 24542), (402, 24554), (433, 24650), (435, 24653), (440, 24674),

Gene: Chorkpop_33 Start: 32090, Stop: 33250, Start Num: 56

Candidate Starts for Chorkpop_33:

(Start: 56 @32090 has 333 MA's), (Start: 92 @32201 has 15 MA's), (112, 32246), (154, 32345), (185, 32405), (204, 32441), (214, 32465), (233, 32510), (235, 32516), (258, 32567), (280, 32606), (282, 32609), (287, 32621), (328, 32660), (347, 32693), (367, 32774), (377, 32819), (392, 32867), (401, 32903), (405, 32912), (409, 32918), (481, 33143),

Gene: ChrisnMich_29 Start: 31570, Stop: 32727, Start Num: 59

Candidate Starts for ChrisnMich_29:

(Start: 59 @31570 has 54 MA's), (84, 31663), (Start: 92 @31678 has 15 MA's), (98, 31693), (105, 31705), (112, 31723), (151, 31813), (174, 31864), (180, 31873), (182, 31879), (190, 31891), (204, 31918), (215, 31933), (218, 31939), (222, 31945), (239, 31978), (243, 31987), (262, 32020), (286, 32053), (337, 32143), (345, 32149), (368, 32248), (369, 32251), (409, 32395), (456, 32548),

Gene: Chunky_33 Start: 32488, Stop: 33537, Start Num: 92

Candidate Starts for Chunky_33:

(Start: 56 @32377 has 333 MA's), (Start: 92 @32488 has 15 MA's), (112, 32533), (154, 32632), (185, 32692), (204, 32728), (214, 32752), (233, 32797), (235, 32803), (258, 32854), (280, 32893), (282, 32896), (287, 32908), (305, 32923), (328, 32947), (347, 32980), (367, 33061), (377, 33106), (392, 33154), (401, 33190), (405, 33199), (409, 33205), (481, 33430),

Gene: Chute_32 Start: 32415, Stop: 33575, Start Num: 56

Candidate Starts for Chute_32:

(Start: 56 @32415 has 333 MA's), (Start: 92 @32526 has 15 MA's), (112, 32571), (154, 32670), (185, 32730), (204, 32766), (214, 32790), (233, 32835), (235, 32841), (258, 32892), (280, 32931), (282, 32934), (287, 32946), (328, 32985), (347, 33018), (367, 33099), (377, 33144), (392, 33192), (401, 33228), (405, 33237), (409, 33243), (481, 33468),

Gene: CicholasNage_21 Start: 21687, Stop: 22862, Start Num: 54

Candidate Starts for CicholasNage_21:

(Start: 54 @21687 has 5 MA's), (Start: 56 @21690 has 333 MA's), (Start: 103 @21816 has 4 MA's), (119, 21858), (126, 21870), (127, 21873), (142, 21906), (147, 21918), (168, 21966), (175, 21984), (198, 22020), (204, 22035), (226, 22086), (237, 22116), (257, 22158), (272, 22182), (325, 22218), (327, 22224), (340, 22251), (345, 22269), (369, 22362), (370, 22365), (390, 22449), (430, 22587),

(438, 22605), (467, 22689),

Gene: Clautastrophe_22 Start: 22247, Stop: 23464, Start Num: 56

Candidate Starts for Clautastrophe_22:

(Start: 56 @22247 has 333 MA's), (90, 22349), (97, 22361), (105, 22379), (110, 22388), (126, 22427), (142, 22463), (148, 22478), (150, 22484), (163, 22514), (165, 22517), (181, 22553), (189, 22565), (214, 22616), (215, 22619), (240, 22679), (253, 22706), (260, 22721), (263, 22727), (271, 22739), (301, 22799), (316, 22823), (345, 22883), (368, 22979), (373, 23012), (394, 23084), (401, 23108), (477, 23336), (479, 23348),

Gene: Clifton_19 Start: 20217, Stop: 21371, Start Num: 59

Candidate Starts for Clifton_19:

(Start: 56 @20214 has 333 MA's), (Start: 59 @20217 has 54 MA's), (81, 20298), (Start: 103 @20346 has 4 MA's), (128, 20406), (131, 20415), (139, 20430), (149, 20454), (158, 20478), (165, 20490), (204, 20565), (208, 20574), (217, 20598), (230, 20628), (306, 20712), (308, 20715), (320, 20736), (367, 20895), (389, 20985), (392, 20994), (398, 21024), (409, 21045), (492, 21348),

Gene: Cobra_33 Start: 32375, Stop: 33535, Start Num: 56

Candidate Starts for Cobra_33:

(Start: 56 @32375 has 333 MA's), (Start: 92 @32486 has 15 MA's), (112, 32531), (154, 32630), (185, 32690), (204, 32726), (214, 32750), (233, 32795), (235, 32801), (258, 32852), (280, 32891), (282, 32894), (287, 32906), (305, 32921), (328, 32945), (347, 32978), (367, 33059), (377, 33104), (392, 33152), (401, 33188), (405, 33197), (409, 33203), (481, 33428),

Gene: Coffee_33 Start: 32800, Stop: 33963, Start Num: 56

Candidate Starts for Coffee_33:

(26, 32653), (Start: 53 @32794 has 9 MA's), (Start: 56 @32800 has 333 MA's), (67, 32839), (77, 32869), (Start: 92 @32914 has 15 MA's), (112, 32959), (154, 33058), (185, 33118), (204, 33154), (214, 33178), (233, 33223), (235, 33229), (258, 33280), (280, 33319), (282, 33322), (287, 33334), (305, 33349), (328, 33373), (347, 33406), (367, 33487), (392, 33580), (401, 33616), (405, 33625), (409, 33631), (481, 33856),

Gene: Colbert_33 Start: 32430, Stop: 33590, Start Num: 56

Candidate Starts for Colbert_33:

(Start: 56 @32430 has 333 MA's), (Start: 92 @32541 has 15 MA's), (112, 32586), (154, 32685), (185, 32745), (204, 32781), (214, 32805), (233, 32850), (235, 32856), (258, 32907), (280, 32946), (282, 32949), (287, 32961), (328, 33000), (347, 33033), (367, 33114), (377, 33159), (392, 33207), (401, 33243), (405, 33252), (409, 33258), (481, 33483),

Gene: Coletti_32 Start: 32415, Stop: 33575, Start Num: 56

Candidate Starts for Coletti_32:

(Start: 56 @32415 has 333 MA's), (Start: 92 @32526 has 15 MA's), (112, 32571), (154, 32670), (185, 32730), (204, 32766), (214, 32790), (233, 32835), (235, 32841), (258, 32892), (280, 32931), (282, 32934), (287, 32946), (328, 32985), (347, 33018), (367, 33099), (377, 33144), (392, 33192), (401, 33228), (405, 33237), (409, 33243), (481, 33468),

Gene: Collard_27 Start: 24040, Stop: 25104, Start Num: 88

Candidate Starts for Collard_27:

(Start: 88 @24040 has 91 MA's), (130, 24130), (143, 24157), (172, 24220), (197, 24268), (218, 24307), (227, 24325), (250, 24370), (270, 24409), (294, 24457), (307, 24475), (349, 24550), (368, 24616), (390, 24706), (391, 24709), (392, 24712), (399, 24745), (433, 24844), (435, 24847), (465, 24931), (467, 24943), (489, 25060),

Gene: Compostia_34 Start: 32649, Stop: 33851, Start Num: 58

Candidate Starts for Compostia_34:

(Start: 58 @32649 has 44 MA's), (122, 32826), (127, 32835), (131, 32844), (148, 32883), (151, 32892), (158, 32910), (168, 32928), (175, 32946), (180, 32952), (187, 32964), (198, 32982), (204, 32997), (218, 33030), (230, 33057), (249, 33102), (290, 33183), (313, 33210), (324, 33228), (330, 33246), (345, 33288), (373, 33417), (398, 33507), (428, 33609), (454, 33675), (467, 33714), (483, 33786), (492, 33828),

Gene: Cooper_30 Start: 31786, Stop: 32946, Start Num: 59

Candidate Starts for Cooper_30:

(Start: 59 @31786 has 54 MA's), (Start: 92 @31894 has 15 MA's), (98, 31909), (105, 31921), (110, 31930), (112, 31939), (122, 31963), (132, 31981), (174, 32080), (180, 32089), (182, 32095), (190, 32107), (204, 32134), (215, 32149), (218, 32155), (222, 32161), (223, 32164), (230, 32182), (239, 32197), (262, 32239), (286, 32272), (313, 32308), (326, 32332), (337, 32362), (345, 32368), (361, 32434), (368, 32467), (369, 32470), (409, 32614), (467, 32803),

Gene: Cornobble_32 Start: 31929, Stop: 33089, Start Num: 56

Candidate Starts for Cornobble_32:

(Start: 56 @31929 has 333 MA's), (Start: 92 @32040 has 15 MA's), (112, 32085), (185, 32244), (204, 32280), (214, 32304), (233, 32349), (235, 32355), (258, 32406), (280, 32445), (282, 32448), (287, 32460), (328, 32499), (347, 32532), (367, 32613), (377, 32658), (392, 32706), (401, 32742), (405, 32751), (409, 32757), (481, 32982),

Gene: Cosmolli16_32 Start: 32088, Stop: 33239, Start Num: 56

Candidate Starts for Cosmolli16_32:

(Start: 56 @32088 has 333 MA's), (Start: 92 @32199 has 15 MA's), (112, 32244), (154, 32343), (185, 32403), (204, 32439), (214, 32463), (233, 32508), (235, 32514), (258, 32565), (273, 32589), (280, 32604), (282, 32607), (287, 32619), (305, 32634), (328, 32658), (347, 32691), (367, 32772), (377, 32817), (392, 32865), (401, 32901), (405, 32910), (409, 32916), (481, 33141),

Gene: Cracklewink_28 Start: 26155, Stop: 27216, Start Num: 88

Candidate Starts for Cracklewink_28:

(Start: 88 @26155 has 91 MA's), (150, 26293), (159, 26314), (161, 26317), (188, 26365), (190, 26368), (227, 26443), (250, 26488), (273, 26530), (274, 26533), (283, 26551), (294, 26575), (305, 26587), (311, 26596), (320, 26602), (368, 26734), (390, 26824), (409, 26881), (426, 26956), (457, 27037), (494, 27199),

Gene: Craff_33 Start: 32372, Stop: 33532, Start Num: 56

Candidate Starts for Craff_33:

(Start: 56 @32372 has 333 MA's), (Start: 92 @32483 has 15 MA's), (112, 32528), (154, 32627), (185, 32687), (204, 32723), (214, 32747), (233, 32792), (235, 32798), (258, 32849), (280, 32888), (282, 32891), (287, 32903), (305, 32918), (328, 32942), (347, 32975), (367, 33056), (377, 33101), (392, 33149), (401, 33185), (405, 33194), (409, 33200), (481, 33425),

Gene: Crownjwl_33 Start: 32145, Stop: 33305, Start Num: 56

Candidate Starts for Crownjwl_33:

(Start: 56 @32145 has 333 MA's), (Start: 92 @32256 has 15 MA's), (112, 32301), (154, 32400), (185, 32460), (204, 32496), (214, 32520), (233, 32565), (235, 32571), (258, 32622), (280, 32661), (282, 32664), (287, 32676), (305, 32691), (328, 32715), (347, 32748), (367, 32829), (377, 32874), (392, 32922), (401, 32958), (405, 32967), (409, 32973), (481, 33198),

Gene: Crumble_19 Start: 20264, Stop: 21418, Start Num: 59

Candidate Starts for Crumble_19:

(Start: 56 @20261 has 333 MA's), (Start: 59 @20264 has 54 MA's), (81, 20345), (Start: 103 @20393 has 4 MA's), (128, 20453), (131, 20462), (139, 20477), (149, 20501), (158, 20525), (165, 20537), (204, 20612), (208, 20621), (217, 20645), (230, 20675), (306, 20759), (308, 20762), (320, 20783), (367, 20942), (389, 21032), (392, 21041), (398, 21071), (409, 21092), (492, 21395),

Gene: Curiosium_29 Start: 23069, Stop: 24148, Start Num: 88

Candidate Starts for Curiosium_29:

(Start: 88 @23069 has 91 MA's), (Start: 104 @23096 has 1 MA's), (140, 23183), (158, 23228), (169, 23243), (172, 23249), (184, 23276), (193, 23291), (218, 23336), (219, 23339), (226, 23351), (234, 23372), (250, 23399), (259, 23420), (294, 23486), (364, 23630), (367, 23651), (369, 23657), (425, 23855), (438, 23888), (440, 23897),

Gene: D12_25 Start: 29948, Stop: 31156, Start Num: 52

Candidate Starts for D12_25:

(Start: 49 @29942 has 2 MA's), (Start: 52 @29948 has 2 MA's), (66, 29987), (Start: 92 @30062 has 15 MA's), (94, 30065), (110, 30098), (116, 30119), (122, 30131), (126, 30137), (131, 30149), (148, 30188), (149, 30191), (185, 30266), (198, 30287), (230, 30362), (249, 30407), (263, 30437), (287, 30482), (292, 30491), (295, 30497), (305, 30503), (320, 30527), (338, 30572), (345, 30593), (349, 30617), (369, 30692), (373, 30722), (392, 30782), (394, 30794), (398, 30812), (427, 30911), (428, 30914), (467, 31019), (473, 31025), (483, 31091), (484, 31094), (491, 31130),

Gene: DaddyDaniels_33 Start: 32063, Stop: 33223, Start Num: 56

Candidate Starts for DaddyDaniels_33:

(Start: 56 @32063 has 333 MA's), (Start: 92 @32174 has 15 MA's), (112, 32219), (154, 32318), (185, 32378), (204, 32414), (214, 32438), (233, 32483), (235, 32489), (258, 32540), (280, 32579), (282, 32582), (287, 32594), (305, 32609), (328, 32633), (347, 32666), (367, 32747), (392, 32840), (401, 32876), (405, 32885), (409, 32891), (481, 33116),

Gene: Dadosky_28 Start: 24011, Stop: 25075, Start Num: 88

Candidate Starts for Dadosky_28:

(Start: 88 @24011 has 91 MA's), (130, 24101), (144, 24131), (169, 24185), (172, 24191), (197, 24239), (218, 24278), (227, 24296), (229, 24299), (270, 24380), (294, 24428), (307, 24446), (368, 24587), (390, 24677), (391, 24680), (392, 24683), (399, 24716), (405, 24728), (433, 24815), (435, 24818), (467, 24914), (489, 25031),

Gene: Daffy_33 Start: 32094, Stop: 33254, Start Num: 56

Candidate Starts for Daffy_33:

(Start: 56 @32094 has 333 MA's), (Start: 92 @32205 has 15 MA's), (112, 32250), (154, 32349), (185, 32409), (204, 32445), (214, 32469), (233, 32514), (235, 32520), (258, 32571), (280, 32610), (282, 32613), (287, 32625), (328, 32664), (347, 32697), (367, 32778), (377, 32823), (392, 32871), (401, 32907), (405, 32916), (409, 32922), (481, 33147),

Gene: Daisy_33 Start: 32246, Stop: 33448, Start Num: 58

Candidate Starts for Daisy_33:

(Start: 58 @32246 has 44 MA's), (67, 32279), (122, 32423), (127, 32432), (131, 32441), (148, 32480), (151, 32489), (158, 32507), (168, 32525), (175, 32543), (180, 32549), (187, 32561), (198, 32579), (204, 32594), (218, 32627), (230, 32654), (249, 32699), (290, 32780), (313, 32807), (324, 32825), (330, 32843), (345, 32885), (349, 32909), (369, 32984), (373, 33014), (392, 33074), (394, 33086), (398, 33104), (428, 33206), (467, 33311), (473, 33317), (475, 33335), (491, 33422),

Gene: Daka_33 Start: 32368, Stop: 33528, Start Num: 56

Candidate Starts for Daka_33:

(Start: 56 @32368 has 333 MA's), (Start: 92 @32479 has 15 MA's), (112, 32524), (185, 32683), (204, 32719), (214, 32743), (233, 32788), (235, 32794), (258, 32845), (280, 32884), (282, 32887), (287, 32899), (328, 32938), (347, 32971), (367, 33052), (377, 33097), (392, 33145), (401, 33181), (405, 33190), (409, 33196), (481, 33421),

Gene: Dalilpop_49 Start: 37250, Stop: 38311, Start Num: 123

Candidate Starts for Dalilpop_49:

(Start: 123 @37250 has 3 MA's), (167, 37358), (195, 37409), (Start: 209 @37436 has 1 MA's), (227, 37481), (253, 37544), (296, 37628), (305, 37649), (309, 37655), (325, 37682), (327, 37685), (387, 37910), (492, 38285),

Gene: Daredevil_37 Start: 34603, Stop: 35670, Start Num: 123

Candidate Starts for Daredevil_37:

(Start: 123 @34603 has 3 MA's), (279, 34948), (298, 34993), (317, 35023), (400, 35314), (403, 35320), (410, 35338), (426, 35404), (427, 35407), (436, 35425), (455, 35473), (496, 35659),

Gene: Dati_33 Start: 32088, Stop: 33248, Start Num: 56

Candidate Starts for Dati_33:

(Start: 56 @32088 has 333 MA's), (Start: 92 @32199 has 15 MA's), (112, 32244), (154, 32343), (185, 32403), (204, 32439), (214, 32463), (233, 32508), (235, 32514), (258, 32565), (280, 32604), (282, 32607), (287, 32619), (328, 32658), (347, 32691), (367, 32772), (392, 32865), (401, 32901), (405, 32910), (409, 32916), (481, 33141),

Gene: Deenasa_33 Start: 32985, Stop: 34187, Start Num: 58

Candidate Starts for Deenasa_33:

(Start: 58 @32985 has 44 MA's), (67, 33018), (122, 33162), (127, 33171), (131, 33180), (148, 33219), (151, 33228), (158, 33246), (168, 33264), (175, 33282), (180, 33288), (187, 33300), (198, 33318), (204, 33333), (218, 33366), (230, 33393), (249, 33438), (290, 33519), (313, 33546), (324, 33564), (330, 33582), (345, 33624), (349, 33648), (369, 33723), (373, 33753), (392, 33813), (394, 33825), (398, 33843), (428, 33945), (467, 34050), (473, 34056), (475, 34074), (491, 34161),

Gene: DelRio_28 Start: 24323, Stop: 25387, Start Num: 92

Candidate Starts for DelRio_28:

(Start: 92 @24323 has 15 MA's), (278, 24701), (356, 24842), (360, 24854), (364, 24866), (368, 24890), (388, 24974), (397, 25013), (433, 25121),

Gene: DelRivs_32 Start: 32089, Stop: 33249, Start Num: 56

Candidate Starts for DelRivs_32:

(Start: 56 @32089 has 333 MA's), (Start: 92 @32200 has 15 MA's), (112, 32245), (154, 32344), (185, 32404), (204, 32440), (214, 32464), (233, 32509), (235, 32515), (258, 32566), (280, 32605), (282, 32608), (287, 32620), (328, 32659), (347, 32692), (367, 32773), (377, 32818), (392, 32866), (401, 32902), (405, 32911), (409, 32917), (481, 33142),

Gene: Derpp_32 Start: 31933, Stop: 33093, Start Num: 56

Candidate Starts for Derpp_32:

(Start: 56 @31933 has 333 MA's), (Start: 92 @32044 has 15 MA's), (112, 32089), (154, 32188), (185, 32248), (204, 32284), (214, 32308), (233, 32353), (235, 32359), (258, 32410), (280, 32449), (282, 32452), (287, 32464), (305, 32479), (328, 32503), (347, 32536), (367, 32617), (377, 32662), (392, 32710), (401, 32746), (405, 32755), (409, 32761), (481, 32986),

Gene: Devonte_33 Start: 32210, Stop: 33412, Start Num: 58

Candidate Starts for Devonte_33:

(Start: 58 @32210 has 44 MA's), (67, 32243), (122, 32387), (127, 32396), (131, 32405), (148, 32444), (151, 32453), (158, 32471), (168, 32489), (175, 32507), (180, 32513), (187, 32525), (198, 32543), (204, 32558), (218, 32591), (230, 32618), (249, 32663), (290, 32744), (313, 32771), (324, 32789), (330, 32807), (345, 32849), (349, 32873), (369, 32948), (373, 32978), (392, 33038), (394, 33050), (398, 33068), (428, 33170), (467, 33275), (473, 33281), (475, 33299), (491, 33386),

Gene: Dice_32 Start: 32068, Stop: 33228, Start Num: 56

Candidate Starts for Dice_32:

(Start: 56 @32068 has 333 MA's), (Start: 92 @32179 has 15 MA's), (112, 32224), (154, 32323), (185, 32383), (204, 32419), (214, 32443), (233, 32488), (235, 32494), (258, 32545), (280, 32584), (282, 32587), (287, 32599), (305, 32614), (328, 32638), (347, 32671), (367, 32752), (377, 32797), (392, 32845), (401, 32881), (405, 32890), (409, 32896), (481, 33121),

Gene: DigitDog_32 Start: 32179, Stop: 33684, Start Num: 15

Candidate Starts for DigitDog_32:

(Start: 15 @32179 has 9 MA's), (19, 32218), (28, 32290), (30, 32317), (36, 32368), (41, 32383), (124, 32635), (136, 32665), (142, 32683), (152, 32710), (165, 32737), (214, 32839), (231, 32878), (236, 32893), (263, 32968), (287, 33013), (290, 33019), (295, 33028), (345, 33124), (361, 33190), (369, 33226), (427, 33439), (473, 33550), (495, 33670),

Gene: Diminimus_32 Start: 26991, Stop: 28046, Start Num: 88

Candidate Starts for Diminimus_32:

(Start: 88 @26991 has 91 MA's), (190, 27204), (212, 27240), (240, 27303), (280, 27375), (294, 27405), (309, 27426), (331, 27462), (349, 27498), (364, 27546), (367, 27567), (369, 27573), (373, 27603), (375, 27606), (389, 27654), (459, 27864), (476, 27918),

Gene: Dingo_33 Start: 32351, Stop: 33511, Start Num: 56

Candidate Starts for Dingo_33:

(Start: 56 @32351 has 333 MA's), (Start: 92 @32462 has 15 MA's), (112, 32507), (154, 32606), (185, 32666), (204, 32702), (214, 32726), (233, 32771), (235, 32777), (258, 32828), (280, 32867), (282, 32870), (287, 32882), (305, 32897), (328, 32921), (347, 32954), (367, 33035), (377, 33080), (392, 33128), (401, 33164), (405, 33173), (409, 33179), (481, 33404),

Gene: Dione_32 Start: 32073, Stop: 33233, Start Num: 56

Candidate Starts for Dione_32:

(Start: 56 @32073 has 333 MA's), (Start: 92 @32184 has 15 MA's), (112, 32229), (154, 32328), (185, 32388), (204, 32424), (214, 32448), (233, 32493), (235, 32499), (258, 32550), (280, 32589), (282, 32592), (287, 32604), (305, 32619), (328, 32643), (347, 32676), (367, 32757), (377, 32802), (392, 32850), (401, 32886), (405, 32895), (409, 32901), (481, 33126),

Gene: DirkDirk_21 Start: 21671, Stop: 22843, Start Num: 56

Candidate Starts for DirkDirk_21:

(Start: 54 @21668 has 5 MA's), (Start: 56 @21671 has 333 MA's), (Start: 103 @21797 has 4 MA's), (119, 21839), (126, 21851), (127, 21854), (142, 21887), (147, 21899), (168, 21947), (175, 21965), (198, 22001), (204, 22016), (226, 22067), (237, 22097), (257, 22139), (272, 22163), (325, 22199), (327, 22205), (340, 22232), (345, 22250), (369, 22343), (370, 22346), (390, 22430), (430, 22568), (438, 22586), (467, 22670),

Gene: DirtJuice_33 Start: 32357, Stop: 33517, Start Num: 56

Candidate Starts for DirtJuice_33:

(Start: 56 @32357 has 333 MA's), (Start: 92 @32468 has 15 MA's), (112, 32513), (154, 32612), (185, 32672), (204, 32708), (214, 32732), (233, 32777), (235, 32783), (258, 32834), (280, 32873), (282, 32876), (287, 32888), (305, 32903), (328, 32927), (347, 32960), (367, 33041), (377, 33086), (392,

33134), (401, 33170), (405, 33179), (409, 33185), (481, 33410),

Gene: Doddsville_33 Start: 32087, Stop: 33247, Start Num: 56

Candidate Starts for Doddsville_33:

(Start: 56 @32087 has 333 MA's), (Start: 92 @32198 has 15 MA's), (112, 32243), (154, 32342), (185, 32402), (204, 32438), (214, 32462), (233, 32507), (235, 32513), (258, 32564), (280, 32603), (282, 32606), (287, 32618), (328, 32657), (347, 32690), (367, 32771), (392, 32864), (401, 32900), (405, 32909), (409, 32915), (481, 33140),

Gene: DoesntMatter_33 Start: 32360, Stop: 33520, Start Num: 56

Candidate Starts for DoesntMatter_33:

(Start: 56 @32360 has 333 MA's), (Start: 92 @32471 has 15 MA's), (112, 32516), (154, 32615), (185, 32675), (204, 32711), (214, 32735), (233, 32780), (235, 32786), (258, 32837), (280, 32876), (282, 32879), (287, 32891), (328, 32930), (347, 32963), (367, 33044), (377, 33089), (392, 33137), (401, 33173), (405, 33182), (409, 33188), (481, 33413),

Gene: Dogfish_30 Start: 26617, Stop: 27699, Start Num: 91

Candidate Starts for Dogfish_30:

(Start: 91 @26617 has 1 MA's), (183, 26827), (219, 26905), (244, 26959), (270, 27004), (303, 27061), (307, 27067), (347, 27130), (364, 27187), (366, 27202), (394, 27319),

Gene: DonSanchon_32 Start: 32067, Stop: 33227, Start Num: 56

Candidate Starts for DonSanchon_32:

(Start: 56 @32067 has 333 MA's), (Start: 92 @32178 has 15 MA's), (112, 32223), (154, 32322), (185, 32382), (204, 32418), (214, 32442), (233, 32487), (235, 32493), (258, 32544), (280, 32583), (282, 32586), (287, 32598), (328, 32637), (347, 32670), (367, 32751), (377, 32796), (392, 32844), (401, 32880), (405, 32889), (409, 32895), (481, 33120),

Gene: Donny_32 Start: 32591, Stop: 34096, Start Num: 15

Candidate Starts for Donny_32:

(Start: 15 @32591 has 9 MA's), (16, 32609), (19, 32630), (24, 32684), (35, 32762), (36, 32780), (41, 32795), (42, 32807), (122, 33044), (142, 33095), (152, 33122), (165, 33149), (Start: 209 @33236 has 1 MA's), (214, 33251), (231, 33290), (263, 33380), (295, 33440), (350, 33563), (361, 33602), (369, 33638), (473, 33962), (495, 34082),

Gene: Donovan_22 Start: 21288, Stop: 22325, Start Num: 88

Candidate Starts for Donovan_22:

(81, 21264), (Start: 86 @21285 has 7 MA's), (Start: 88 @21288 has 91 MA's), (102, 21312), (161, 21450), (184, 21492), (222, 21561), (250, 21621), (273, 21666), (294, 21711), (347, 21792), (364, 21849), (368, 21873), (394, 21978), (415, 22050), (434, 22095), (486, 22260),

Gene: Dori_29 Start: 28828, Stop: 29994, Start Num: 53

Candidate Starts for Dori_29:

(Start: 53 @28828 has 9 MA's), (Start: 56 @28834 has 333 MA's), (60, 28846), (66, 28870), (67, 28873), (77, 28903), (Start: 92 @28948 has 15 MA's), (112, 28993), (113, 28996), (204, 29188), (214, 29212), (217, 29218), (231, 29251), (233, 29257), (235, 29263), (236, 29266), (258, 29314), (292, 29377), (293, 29380), (330, 29413), (361, 29488), (367, 29518), (398, 29641), (402, 29650), (405, 29656),

Gene: Douge_21 Start: 21469, Stop: 22554, Start Num: 70

Candidate Starts for Douge_21:

(Start: 70 @21469 has 4 MA's), (Start: 104 @21547 has 1 MA's), (189, 21721), (Start: 209 @21760 has 1 MA's), (228, 21799), (248, 21832), (322, 21910), (339, 21943), (384, 22105), (450, 22339), (463,

22372), (473, 22396), (479, 22441),

Gene: Douzhi_21 Start: 21427, Stop: 22581, Start Num: 56

Candidate Starts for Douzhi_21:

(Start: 56 @21427 has 333 MA's), (90, 21529), (97, 21541), (127, 21610), (168, 21703), (198, 21757), (211, 21787), (214, 21796), (231, 21835), (252, 21883), (263, 21907), (271, 21919), (316, 21943), (351, 22033), (383, 22150), (389, 22186), (392, 22195), (410, 22252), (417, 22291),

Gene: DuchessDung_31 Start: 31224, Stop: 32384, Start Num: 56

Candidate Starts for DuchessDung_31:

(Start: 56 @31224 has 333 MA's), (Start: 92 @31335 has 15 MA's), (112, 31380), (154, 31479), (185, 31539), (204, 31575), (214, 31599), (233, 31644), (235, 31650), (258, 31701), (280, 31740), (282, 31743), (287, 31755), (328, 31794), (347, 31827), (367, 31908), (392, 32001), (401, 32037), (405, 32046), (409, 32052), (481, 32277),

Gene: Duggie_32 Start: 32089, Stop: 33249, Start Num: 56

Candidate Starts for Duggie_32:

(Start: 56 @32089 has 333 MA's), (Start: 92 @32200 has 15 MA's), (112, 32245), (154, 32344), (185, 32404), (204, 32440), (214, 32464), (233, 32509), (235, 32515), (258, 32566), (280, 32605), (282, 32608), (287, 32620), (305, 32635), (328, 32659), (347, 32692), (367, 32773), (377, 32818), (392, 32866), (401, 32902), (405, 32911), (409, 32917), (481, 33142),

Gene: Dulcita_32 Start: 26991, Stop: 28046, Start Num: 88

Candidate Starts for Dulcita_32:

(Start: 88 @26991 has 91 MA's), (190, 27204), (212, 27240), (240, 27303), (280, 27375), (294, 27405), (309, 27426), (331, 27462), (349, 27498), (364, 27546), (367, 27567), (369, 27573), (373, 27603), (375, 27606), (389, 27654), (459, 27864), (476, 27918),

Gene: DumpsterDude_23 Start: 21990, Stop: 23072, Start Num: 88

Candidate Starts for DumpsterDude_23:

(51, 21855), (Start: 88 @21990 has 91 MA's), (121, 22062), (183, 22200), (201, 22230), (250, 22338), (272, 22380), (303, 22434), (364, 22560),

Gene: DuncansLeg_22 Start: 22232, Stop: 23449, Start Num: 56

Candidate Starts for DuncansLeg_22:

(Start: 56 @22232 has 333 MA's), (62, 22259), (90, 22334), (97, 22346), (105, 22364), (126, 22412), (142, 22448), (148, 22463), (150, 22469), (163, 22499), (165, 22502), (168, 22508), (189, 22550), (208, 22586), (214, 22601), (215, 22604), (217, 22607), (218, 22610), (263, 22712), (271, 22724), (299, 22781), (301, 22784), (316, 22808), (345, 22868), (373, 22997), (485, 23375), (488, 23381),

Gene: Durga_33 Start: 32387, Stop: 33547, Start Num: 56

Candidate Starts for Durga_33:

(Start: 56 @32387 has 333 MA's), (Start: 92 @32498 has 15 MA's), (112, 32543), (154, 32642), (185, 32702), (204, 32738), (214, 32762), (233, 32807), (235, 32813), (258, 32864), (280, 32903), (282, 32906), (287, 32918), (305, 32933), (328, 32957), (347, 32990), (367, 33071), (377, 33116), (392, 33164), (401, 33200), (405, 33209), (409, 33215), (481, 33440),

Gene: Dynamo_22 Start: 21688, Stop: 22722, Start Num: 88

Candidate Starts for Dynamo_22:

(Start: 88 @21688 has 91 MA's), (158, 21844), (161, 21850), (219, 21958), (222, 21961), (229, 21976), (273, 22063), (294, 22108), (347, 22189), (364, 22246), (368, 22270), (394, 22375), (415, 22447), (434, 22492),

Gene: DyoEdafos_22 Start: 21679, Stop: 22761, Start Num: 70

Candidate Starts for DyoEdafos_22:

(Start: 70 @21679 has 4 MA's), (189, 21931), (Start: 209 @21970 has 1 MA's), (213, 21979), (214, 21982), (228, 22009), (235, 22018), (248, 22042), (274, 22096), (304, 22099), (339, 22153), (370, 22273), (379, 22306), (381, 22309), (394, 22369), (409, 22408), (411, 22423), (443, 22534), (463, 22582),

Gene: Eaglehorse_33 Start: 32724, Stop: 33887, Start Num: 56

Candidate Starts for Eaglehorse_33:

(26, 32577), (Start: 53 @32718 has 9 MA's), (Start: 56 @32724 has 333 MA's), (67, 32763), (77, 32793), (Start: 92 @32838 has 15 MA's), (112, 32883), (154, 32982), (185, 33042), (204, 33078), (214, 33102), (233, 33147), (235, 33153), (258, 33204), (280, 33243), (282, 33246), (287, 33258), (305, 33273), (328, 33297), (347, 33330), (367, 33411), (377, 33456), (392, 33504), (401, 33540), (405, 33549), (409, 33555), (481, 33780),

Gene: EastView9101_31 Start: 32241, Stop: 33746, Start Num: 15

Candidate Starts for EastView9101_31:

(Start: 15 @32241 has 9 MA's), (16, 32259), (19, 32280), (24, 32334), (35, 32412), (36, 32430), (41, 32445), (42, 32457), (122, 32694), (142, 32745), (152, 32772), (165, 32799), (Start: 209 @32886 has 1 MA's), (214, 32901), (231, 32940), (263, 33030), (295, 33090), (350, 33213), (361, 33252), (369, 33288), (473, 33612), (495, 33732),

Gene: Edugator_27 Start: 24010, Stop: 25074, Start Num: 88

Candidate Starts for Edugator_27:

(Start: 88 @24010 has 91 MA's), (130, 24100), (144, 24130), (169, 24184), (172, 24190), (197, 24238), (218, 24277), (227, 24295), (229, 24298), (270, 24379), (294, 24427), (307, 24445), (368, 24586), (390, 24676), (391, 24679), (392, 24682), (399, 24715), (405, 24727), (433, 24814), (435, 24817), (489, 25030),

Gene: Ellson_22 Start: 22237, Stop: 23436, Start Num: 56

Candidate Starts for Ellson_22:

(Start: 56 @22237 has 333 MA's), (90, 22339), (105, 22369), (110, 22378), (126, 22417), (131, 22429), (148, 22468), (163, 22504), (168, 22513), (186, 22549), (211, 22597), (271, 22729), (274, 22735), (345, 22873), (373, 23002), (390, 23056), (394, 23074), (460, 23266), (487, 23374),

Gene: ElvisPhasley_33 Start: 32409, Stop: 33569, Start Num: 56

Candidate Starts for ElvisPhasley_33:

(Start: 56 @32409 has 333 MA's), (Start: 92 @32520 has 15 MA's), (112, 32565), (154, 32664), (185, 32724), (204, 32760), (214, 32784), (233, 32829), (235, 32835), (258, 32886), (280, 32925), (282, 32928), (287, 32940), (305, 32955), (328, 32979), (347, 33012), (367, 33093), (377, 33138), (392, 33186), (401, 33222), (405, 33231), (409, 33237), (481, 33462),

Gene: Emianna_44 Start: 35974, Stop: 37032, Start Num: 125

Candidate Starts for Emianna_44:

(1, 34534), (2, 34831), (6, 35062), (14, 35431), (65, 35809), (71, 35824), (75, 35842), (Start: 125 @35974 has 17 MA's), (281, 36319), (305, 36370), (331, 36418),

Gene: Emiris_33 Start: 32358, Stop: 33518, Start Num: 56

Candidate Starts for Emiris_33:

(Start: 56 @32358 has 333 MA's), (Start: 92 @32469 has 15 MA's), (112, 32514), (154, 32613), (185, 32673), (204, 32709), (214, 32733), (233, 32778), (235, 32784), (258, 32835), (280, 32874), (282, 32877), (287, 32889), (305, 32904), (328, 32928), (347, 32961), (367, 33042), (377, 33087), (392, 33135), (401, 33171), (405, 33180), (409, 33186), (481, 33411),

Gene: EmpTee_33 Start: 32367, Stop: 33527, Start Num: 56

Candidate Starts for EmpTee_33:

(Start: 56 @32367 has 333 MA's), (Start: 92 @32478 has 15 MA's), (112, 32523), (154, 32622), (185, 32682), (204, 32718), (214, 32742), (233, 32787), (235, 32793), (258, 32844), (280, 32883), (282, 32886), (287, 32898), (328, 32937), (347, 32970), (367, 33051), (377, 33096), (392, 33144), (401, 33180), (405, 33189), (409, 33195), (481, 33420),

Gene: Enceladus_21 Start: 21672, Stop: 22844, Start Num: 56

Candidate Starts for Enceladus_21:

(Start: 54 @21669 has 5 MA's), (Start: 56 @21672 has 333 MA's), (Start: 103 @21798 has 4 MA's), (119, 21840), (126, 21852), (127, 21855), (142, 21888), (147, 21900), (168, 21948), (175, 21966), (198, 22002), (204, 22017), (226, 22068), (237, 22098), (257, 22140), (272, 22164), (325, 22200), (327, 22206), (340, 22233), (345, 22251), (369, 22344), (370, 22347), (390, 22431), (430, 22569), (438, 22587), (467, 22671),

Gene: Ennea_51 Start: 36974, Stop: 38035, Start Num: 125

Candidate Starts for Ennea_51:

(Start: 125 @36974 has 17 MA's), (211, 37160), (294, 37346), (296, 37349), (369, 37559),

Gene: Epah_29 Start: 31578, Stop: 32735, Start Num: 59

Candidate Starts for Epah_29:

(Start: 59 @31578 has 54 MA's), (84, 31671), (Start: 92 @31686 has 15 MA's), (98, 31701), (105, 31713), (112, 31731), (151, 31821), (174, 31872), (180, 31881), (182, 31887), (190, 31899), (204, 31926), (215, 31941), (218, 31947), (222, 31953), (239, 31986), (243, 31995), (262, 32028), (286, 32061), (337, 32151), (345, 32157), (368, 32256), (369, 32259), (409, 32403), (456, 32556),

Gene: Eponine_29 Start: 24914, Stop: 25987, Start Num: 86

Candidate Starts for Eponine_29:

(Start: 86 @24914 has 7 MA's), (Start: 88 @24917 has 91 MA's), (206, 25157), (222, 25193), (226, 25202), (229, 25208), (250, 25253), (273, 25298), (282, 25316), (294, 25343), (347, 25424), (364, 25481), (368, 25505),

Gene: Eremos_33 Start: 32366, Stop: 33526, Start Num: 56

Candidate Starts for Eremos_33:

(Start: 56 @32366 has 333 MA's), (112, 32522), (154, 32621), (185, 32681), (204, 32717), (214, 32741), (233, 32786), (235, 32792), (258, 32843), (280, 32882), (282, 32885), (287, 32897), (328, 32936), (347, 32969), (367, 33050), (377, 33095), (392, 33143), (401, 33179), (405, 33188), (409, 33194), (481, 33419),

Gene: Etaye_33 Start: 32357, Stop: 33517, Start Num: 56

Candidate Starts for Etaye_33:

(Start: 56 @32357 has 333 MA's), (Start: 92 @32468 has 15 MA's), (112, 32513), (154, 32612), (185, 32672), (204, 32708), (214, 32732), (233, 32777), (235, 32783), (258, 32834), (280, 32873), (282, 32876), (287, 32888), (305, 32903), (328, 32927), (347, 32960), (367, 33041), (377, 33086), (392, 33134), (401, 33170), (405, 33179), (409, 33185), (481, 33410),

Gene: Eugenia_33 Start: 32376, Stop: 33536, Start Num: 56

Candidate Starts for Eugenia_33:

(Start: 56 @32376 has 333 MA's), (Start: 92 @32487 has 15 MA's), (112, 32532), (154, 32631), (185, 32691), (204, 32727), (214, 32751), (233, 32796), (235, 32802), (258, 32853), (280, 32892), (282, 32895), (287, 32907), (305, 32922), (328, 32946), (347, 32979), (367, 33060), (377, 33105), (392, 33153), (401, 33189), (405, 33198), (409, 33204), (481, 33429),

Gene: EvilGenius_34 Start: 25671, Stop: 26591, Start Num: 56

Candidate Starts for EvilGenius_34:

(Start: 56 @25671 has 333 MA's), (94, 25779), (139, 25881), (148, 25902), (175, 25965), (242, 26097), (372, 26379), (422, 26529), (440, 26586),

Gene: Ewald_30 Start: 26639, Stop: 27724, Start Num: 88

Candidate Starts for Ewald_30:

(51, 26504), (Start: 88 @26639 has 91 MA's), (138, 26744), (146, 26762), (183, 26849), (288, 27062), (296, 27077), (320, 27104), (327, 27119), (364, 27212), (366, 27227), (382, 27284), (394, 27344), (405, 27377),

Gene: Fanaw_29 Start: 32276, Stop: 33433, Start Num: 59

Candidate Starts for Fanaw_29:

(Start: 59 @32276 has 54 MA's), (84, 32369), (Start: 92 @32384 has 15 MA's), (98, 32399), (105, 32411), (112, 32429), (132, 32471), (174, 32570), (180, 32579), (190, 32597), (204, 32624), (215, 32639), (218, 32645), (222, 32651), (224, 32657), (239, 32684), (243, 32693), (262, 32726), (286, 32759), (337, 32849), (345, 32855), (355, 32900), (368, 32954), (369, 32957), (409, 33101), (456, 33254),

Gene: Fang_33 Start: 32380, Stop: 33540, Start Num: 56

Candidate Starts for Fang_33:

(Start: 56 @32380 has 333 MA's), (Start: 92 @32491 has 15 MA's), (112, 32536), (154, 32635), (185, 32695), (204, 32731), (214, 32755), (233, 32800), (235, 32806), (258, 32857), (280, 32896), (282, 32899), (287, 32911), (305, 32926), (328, 32950), (347, 32983), (367, 33064), (377, 33109), (392, 33157), (401, 33193), (405, 33202), (409, 33208), (481, 33433),

Gene: Farewell_21 Start: 21884, Stop: 22930, Start Num: 88

Candidate Starts for Farewell_21:

(Start: 88 @21884 has 91 MA's), (179, 22076), (190, 22097), (250, 22208), (273, 22250), (274, 22253), (367, 22454), (373, 22490), (407, 22598), (459, 22751), (461, 22760), (466, 22772),

Gene: FarmResident_21 Start: 21591, Stop: 22598, Start Num: 104

Candidate Starts for FarmResident_21:

(Start: 70 @21513 has 4 MA's), (Start: 104 @21591 has 1 MA's), (189, 21765), (Start: 209 @21804 has 1 MA's), (228, 21843), (245, 21873), (248, 21876), (322, 21954), (339, 21987), (384, 22149), (450, 22383), (463, 22416), (473, 22440), (479, 22485),

Gene: Faze9_33 Start: 32820, Stop: 33983, Start Num: 56

Candidate Starts for Faze9_33:

(Start: 53 @32814 has 9 MA's), (Start: 56 @32820 has 333 MA's), (67, 32859), (77, 32889), (Start: 92 @32934 has 15 MA's), (112, 32979), (154, 33078), (185, 33138), (204, 33174), (214, 33198), (233, 33243), (235, 33249), (258, 33300), (280, 33339), (282, 33342), (287, 33354), (305, 33369), (328, 33393), (347, 33426), (367, 33507), (377, 33552), (392, 33600), (401, 33636), (405, 33645), (409, 33651), (481, 33876),

Gene: Feyre_27 Start: 23851, Stop: 24918, Start Num: 88

Candidate Starts for Feyre_27:

(Start: 88 @23851 has 91 MA's), (143, 23968), (193, 24073), (197, 24079), (229, 24139), (234, 24154), (250, 24181), (270, 24220), (273, 24223), (278, 24235), (280, 24238), (282, 24241), (288, 24256), (320, 24301), (324, 24307), (349, 24361), (364, 24409), (370, 24439), (385, 24484), (436, 24667),

Gene: Finnry_22 Start: 22251, Stop: 23468, Start Num: 56

Candidate Starts for Finnry_22:

(Start: 56 @22251 has 333 MA's), (90, 22353), (97, 22365), (105, 22383), (110, 22392), (126, 22431), (142, 22467), (148, 22482), (150, 22488), (163, 22518), (165, 22521), (181, 22557), (189, 22569), (214, 22620), (215, 22623), (240, 22683), (253, 22710), (260, 22725), (263, 22731), (271, 22743), (301, 22803), (316, 22827), (345, 22887), (368, 22983), (373, 23016), (394, 23088), (401, 23112), (409, 23127), (477, 23340), (479, 23352),

Gene: FirstPlacePfu_22 Start: 21299, Stop: 22336, Start Num: 88

Candidate Starts for FirstPlacePfu_22:

(81, 21275), (Start: 86 @21296 has 7 MA's), (Start: 88 @21299 has 91 MA's), (102, 21323), (161, 21461), (184, 21503), (222, 21572), (250, 21632), (273, 21677), (294, 21722), (347, 21803), (364, 21860), (368, 21884), (394, 21989), (415, 22061), (434, 22106), (486, 22271),

Gene: Fishburne_22 Start: 21299, Stop: 22336, Start Num: 88

Candidate Starts for Fishburne_22:

(81, 21275), (Start: 86 @21296 has 7 MA's), (Start: 88 @21299 has 91 MA's), (102, 21323), (161, 21461), (184, 21503), (222, 21572), (250, 21632), (273, 21677), (294, 21722), (347, 21803), (364, 21860), (368, 21884), (394, 21989), (415, 22061), (434, 22106), (486, 22271),

Gene: Flapper_49 Start: 36682, Stop: 37743, Start Num: 123

Candidate Starts for Flapper_49:

(39, 36406), (100, 36619), (Start: 123 @36682 has 3 MA's), (167, 36790), (Start: 209 @36868 has 1 MA's), (253, 36976), (296, 37060), (305, 37081), (309, 37087), (325, 37114), (387, 37342), (408, 37408), (486, 37672), (492, 37717),

Gene: Float294_47 Start: 36416, Stop: 37477, Start Num: 125

Candidate Starts for Float294_47:

(Start: 125 @36416 has 17 MA's), (211, 36602), (294, 36788), (296, 36791), (369, 37001), (474, 37340), (486, 37406),

Gene: FluffyNinja_33 Start: 32373, Stop: 33533, Start Num: 56

Candidate Starts for FluffyNinja_33:

(Start: 56 @32373 has 333 MA's), (Start: 92 @32484 has 15 MA's), (112, 32529), (154, 32628), (185, 32688), (204, 32724), (214, 32748), (233, 32793), (235, 32799), (258, 32850), (280, 32889), (282, 32892), (287, 32904), (305, 32919), (328, 32943), (347, 32976), (367, 33057), (377, 33102), (392, 33150), (401, 33186), (405, 33195), (409, 33201), (481, 33426),

Gene: ForDig_28 Start: 30056, Stop: 31282, Start Num: 56

Candidate Starts for ForDig_28:

(Start: 56 @30056 has 333 MA's), (67, 30095), (78, 30137), (82, 30146), (83, 30149), (Start: 92 @30170 has 15 MA's), (112, 30215), (139, 30275), (148, 30296), (149, 30299), (174, 30356), (204, 30410), (205, 30413), (208, 30419), (224, 30458), (233, 30482), (257, 30536), (260, 30542), (263, 30548), (278, 30575), (283, 30584), (300, 30629), (329, 30707), (368, 30842), (376, 30878), (402, 30968), (423, 31028), (444, 31082), (467, 31136),

Gene: Fortunato_30 Start: 32604, Stop: 33761, Start Num: 59

Candidate Starts for Fortunato_30:

(Start: 59 @32604 has 54 MA's), (84, 32697), (Start: 92 @32712 has 15 MA's), (98, 32727), (105, 32739), (112, 32757), (132, 32799), (174, 32898), (180, 32907), (190, 32925), (204, 32952), (215, 32967), (218, 32973), (222, 32979), (224, 32985), (239, 33012), (243, 33021), (262, 33054), (286, 33087), (337, 33177), (345, 33183), (361, 33249), (367, 33279), (368, 33282), (409, 33429), (456, 33582),

Gene: Foxboro_45 Start: 36480, Stop: 37538, Start Num: 125

Candidate Starts for Foxboro_45:

(1, 35040), (2, 35337), (6, 35568), (14, 35937), (65, 36315), (71, 36330), (75, 36348), (Start: 125 @36480 has 17 MA's), (281, 36825), (305, 36876), (331, 36924),

Gene: Fozzie_32 Start: 32389, Stop: 33549, Start Num: 56

Candidate Starts for Fozzie_32:

(Start: 56 @32389 has 333 MA's), (Start: 92 @32500 has 15 MA's), (112, 32545), (154, 32644), (185, 32704), (204, 32740), (214, 32764), (233, 32809), (235, 32815), (258, 32866), (280, 32905), (282, 32908), (287, 32920), (305, 32935), (328, 32959), (347, 32992), (367, 33073), (377, 33118), (392, 33166), (401, 33202), (405, 33211), (409, 33217), (481, 33442),

Gene: Francois_27 Start: 23338, Stop: 24405, Start Num: 92

Candidate Starts for Francois_27:

(Start: 92 @23338 has 15 MA's), (278, 23716), (356, 23857), (364, 23884), (368, 23908), (388, 23992), (433, 24139),

Gene: Frankicide_33 Start: 32385, Stop: 33545, Start Num: 56

Candidate Starts for Frankicide_33:

(Start: 56 @32385 has 333 MA's), (Start: 92 @32496 has 15 MA's), (112, 32541), (154, 32640), (185, 32700), (204, 32736), (214, 32760), (233, 32805), (235, 32811), (258, 32862), (280, 32901), (282, 32904), (287, 32916), (305, 32931), (328, 32955), (347, 32988), (367, 33069), (377, 33114), (392, 33162), (401, 33198), (405, 33207), (409, 33213), (481, 33438),

Gene: FreakyGoo_31 Start: 26992, Stop: 28047, Start Num: 88

Candidate Starts for FreakyGoo_31:

(Start: 88 @26992 has 91 MA's), (190, 27205), (212, 27241), (240, 27304), (280, 27376), (294, 27406), (309, 27427), (331, 27463), (349, 27499), (364, 27547), (367, 27568), (369, 27574), (373, 27604), (375, 27607), (389, 27655), (449, 27844), (459, 27865), (476, 27919),

Gene: Frederick_30 Start: 32610, Stop: 33767, Start Num: 59

Candidate Starts for Frederick_30:

(Start: 59 @32610 has 54 MA's), (84, 32703), (Start: 92 @32718 has 15 MA's), (98, 32733), (105, 32745), (112, 32763), (132, 32805), (151, 32853), (174, 32904), (180, 32913), (190, 32931), (204, 32958), (215, 32973), (218, 32979), (222, 32985), (224, 32991), (239, 33018), (243, 33027), (262, 33060), (286, 33093), (326, 33153), (337, 33183), (345, 33189), (355, 33234), (368, 33288), (369, 33291), (409, 33435), (456, 33588),

Gene: FrenchFry_33 Start: 32814, Stop: 33977, Start Num: 56

Candidate Starts for FrenchFry_33:

(26, 32667), (Start: 53 @32808 has 9 MA's), (Start: 56 @32814 has 333 MA's), (67, 32853), (77, 32883), (Start: 92 @32928 has 15 MA's), (112, 32973), (154, 33072), (185, 33132), (204, 33168), (214, 33192), (233, 33237), (235, 33243), (258, 33294), (280, 33333), (282, 33336), (287, 33348), (305, 33363), (328, 33387), (347, 33420), (367, 33501), (392, 33594), (401, 33630), (405, 33639), (409, 33645), (424, 33705), (481, 33870),

Gene: Freya_32 Start: 32064, Stop: 33224, Start Num: 56

Candidate Starts for Freya_32:

(Start: 56 @32064 has 333 MA's), (Start: 92 @32175 has 15 MA's), (112, 32220), (154, 32319), (185, 32379), (204, 32415), (214, 32439), (233, 32484), (235, 32490), (258, 32541), (280, 32580), (282, 32583), (287, 32595), (305, 32610), (328, 32634), (347, 32667), (367, 32748), (377, 32793), (392, 32841), (401, 32877), (405, 32886), (409, 32892), (481, 33117),

Gene: FriarPreacher_33 Start: 32391, Stop: 33551, Start Num: 56

Candidate Starts for FriarPreacher_33:

(Start: 56 @32391 has 333 MA's), (Start: 92 @32502 has 15 MA's), (112, 32547), (154, 32646), (185, 32706), (204, 32742), (214, 32766), (233, 32811), (235, 32817), (258, 32868), (280, 32907), (282, 32910), (287, 32922), (305, 32937), (328, 32961), (347, 32994), (367, 33075), (377, 33120), (392, 33168), (401, 33204), (405, 33213), (409, 33219), (481, 33444),

Gene: Fringe_33 Start: 32356, Stop: 33516, Start Num: 56

Candidate Starts for Fringe_33:

(Start: 56 @32356 has 333 MA's), (Start: 92 @32467 has 15 MA's), (112, 32512), (154, 32611), (185, 32671), (204, 32707), (214, 32731), (233, 32776), (235, 32782), (258, 32833), (280, 32872), (282, 32875), (287, 32887), (328, 32926), (347, 32959), (367, 33040), (377, 33085), (392, 33133), (401, 33169), (405, 33178), (409, 33184), (481, 33409),

Gene: FugateOSU_32 Start: 32069, Stop: 33229, Start Num: 56

Candidate Starts for FugateOSU_32:

(Start: 56 @32069 has 333 MA's), (Start: 92 @32180 has 15 MA's), (112, 32225), (154, 32324), (185, 32384), (204, 32420), (214, 32444), (233, 32489), (235, 32495), (258, 32546), (280, 32585), (282, 32588), (287, 32600), (305, 32615), (328, 32639), (347, 32672), (367, 32753), (377, 32798), (392, 32846), (401, 32882), (405, 32891), (409, 32897), (481, 33122),

Gene: Fulbright_21 Start: 20200, Stop: 21357, Start Num: 58

Candidate Starts for Fulbright_21:

(Start: 58 @20200 has 44 MA's), (81, 20281), (Start: 92 @20308 has 15 MA's), (Start: 103 @20329 has 4 MA's), (128, 20389), (139, 20413), (142, 20419), (149, 20437), (153, 20449), (158, 20461), (165, 20473), (181, 20509), (198, 20533), (204, 20548), (208, 20557), (217, 20581), (224, 20596), (230, 20611), (306, 20695), (308, 20698), (320, 20719), (329, 20740), (333, 20749), (336, 20761), (340, 20770), (409, 21031), (425, 21100), (492, 21334),

Gene: Funsized_35 Start: 35123, Stop: 36316, Start Num: 56

Candidate Starts for Funsized_35:

(12, 34694), (40, 35066), (44, 35099), (Start: 56 @35123 has 333 MA's), (110, 35279), (130, 35327), (142, 35354), (148, 35369), (150, 35375), (175, 35432), (204, 35483), (205, 35486), (208, 35492), (214, 35507), (230, 35543), (233, 35552), (280, 35648), (292, 35672), (293, 35675), (368, 35804), (388, 35891), (404, 35945), (492, 36290), (494, 36296),

Gene: GMA7_23 Start: 30667, Stop: 31671, Start Num: 141

Candidate Starts for GMA7_23:

(Start: 141 @30667 has 4 MA's), (160, 30715), (170, 30733), (216, 30829), (221, 30838), (247, 30904), (288, 30985), (350, 31138), (362, 31165), (366, 31186), (391, 31288), (425, 31414), (467, 31516), (492, 31648),

Gene: GRU1_34 Start: 28214, Stop: 29290, Start Num: 123

Candidate Starts for GRU1_34:

(65, 28052), (Start: 123 @28214 has 3 MA's), (167, 28322), (195, 28373), (Start: 209 @28400 has 1 MA's), (253, 28508), (296, 28592), (305, 28613), (309, 28619), (325, 28646), (387, 28874), (474, 29153), (492, 29264),

Gene: GTE5_36 Start: 29539, Stop: 30600, Start Num: 123

Candidate Starts for GTE5_36:

(100, 29476), (Start: 123 @29539 has 3 MA's), (167, 29647), (Start: 209 @29725 has 1 MA's), (253, 29833), (296, 29917), (305, 29938), (313, 29950), (325, 29971), (327, 29974), (486, 30529), (492, 30574),

Gene: GTE7_23 Start: 30698, Stop: 31702, Start Num: 141

Candidate Starts for GTE7_23:

(Start: 141 @30698 has 4 MA's), (160, 30746), (170, 30764), (210, 30842), (216, 30860), (221, 30869), (247, 30935), (288, 31016), (350, 31169), (362, 31196), (366, 31217), (391, 31319), (425, 31445), (467, 31547), (492, 31679),

Gene: GTE8_33 Start: 29229, Stop: 30287, Start Num: 123

Candidate Starts for GTE8_33:

(65, 29067), (Start: 123 @29229 has 3 MA's), (223, 29445), (307, 29628), (486, 30216), (492, 30261),

Gene: Gadget_34 Start: 32229, Stop: 33431, Start Num: 58

Candidate Starts for Gadget_34:

(Start: 58 @32229 has 44 MA's), (67, 32262), (122, 32406), (127, 32415), (131, 32424), (148, 32463), (151, 32472), (158, 32490), (168, 32508), (175, 32526), (180, 32532), (187, 32544), (198, 32562), (204, 32577), (218, 32610), (230, 32637), (249, 32682), (290, 32763), (313, 32790), (324, 32808), (330, 32826), (345, 32868), (373, 32997), (398, 33087), (428, 33189), (450, 33246), (454, 33255), (467, 33294), (483, 33366), (492, 33408),

Gene: Gail_32 Start: 24477, Stop: 25421, Start Num: 56

Candidate Starts for Gail_32:

(Start: 56 @24477 has 333 MA's), (90, 24582), (94, 24588), (98, 24600), (115, 24636), (148, 24711), (175, 24774), (177, 24777), (180, 24780), (244, 24915), (418, 25371),

Gene: Gareth_32 Start: 32072, Stop: 33232, Start Num: 56

Candidate Starts for Gareth_32:

(Start: 56 @32072 has 333 MA's), (Start: 92 @32183 has 15 MA's), (112, 32228), (154, 32327), (185, 32387), (204, 32423), (214, 32447), (233, 32492), (235, 32498), (258, 32549), (280, 32588), (282, 32591), (287, 32603), (305, 32618), (328, 32642), (347, 32675), (367, 32756), (377, 32801), (392, 32849), (401, 32885), (405, 32894), (409, 32900), (481, 33125),

Gene: Gavriela_22 Start: 21561, Stop: 22601, Start Num: 85

Candidate Starts for Gavriela_22:

(Start: 85 @21561 has 8 MA's), (158, 21720), (161, 21726), (184, 21768), (219, 21834), (222, 21837), (250, 21897), (273, 21942), (294, 21987), (347, 22068), (364, 22125), (368, 22149), (394, 22254), (415, 22326), (434, 22371),

Gene: GeneCoco_33 Start: 32381, Stop: 33541, Start Num: 56

Candidate Starts for GeneCoco_33:

(Start: 56 @32381 has 333 MA's), (Start: 92 @32492 has 15 MA's), (112, 32537), (154, 32636), (185, 32696), (204, 32732), (214, 32756), (233, 32801), (235, 32807), (258, 32858), (280, 32897), (282, 32900), (287, 32912), (305, 32927), (328, 32951), (347, 32984), (367, 33065), (377, 33110), (392, 33158), (401, 33194), (405, 33203), (409, 33209), (481, 33434),

Gene: Gengar_27 Start: 23958, Stop: 25028, Start Num: 88

Candidate Starts for Gengar_27:

(Start: 88 @23958 has 91 MA's), (169, 24132), (197, 24186), (227, 24243), (229, 24246), (234, 24261), (250, 24288), (270, 24327), (273, 24330), (278, 24342), (280, 24345), (282, 24348), (324, 24417), (349, 24471), (370, 24549), (385, 24594), (436, 24777),

Gene: Gervas_33 Start: 32200, Stop: 33402, Start Num: 58

Candidate Starts for Gervas_33:

(Start: 58 @32200 has 44 MA's), (67, 32233), (122, 32377), (127, 32386), (131, 32395), (148, 32434), (151, 32443), (158, 32461), (185, 32512), (190, 32521), (198, 32533), (201, 32539), (204, 32548), (224, 32593), (230, 32608), (249, 32653), (268, 32692), (284, 32722), (292, 32737), (305, 32749), (320, 32773), (338, 32818), (345, 32839), (349, 32863), (369, 32938), (373, 32968), (392, 33028), (394, 33040), (398, 33058), (428, 33160), (467, 33265), (473, 33271), (475, 33289), (491, 33376),

Gene: GinPorsche_29 Start: 31578, Stop: 32735, Start Num: 59

Candidate Starts for GinPorsche_29:

(Start: 59 @31578 has 54 MA's), (84, 31671), (Start: 92 @31686 has 15 MA's), (98, 31701), (105, 31713), (112, 31731), (151, 31821), (174, 31872), (180, 31881), (182, 31887), (190, 31899), (204, 31926), (215, 31941), (218, 31947), (222, 31953), (239, 31986), (243, 31995), (262, 32028), (286, 32061), (337, 32151), (345, 32157), (368, 32256), (369, 32259), (409, 32403), (456, 32556),

Gene: Giraffe_33 Start: 32075, Stop: 33235, Start Num: 56

Candidate Starts for Giraffe_33:

(Start: 56 @32075 has 333 MA's), (Start: 92 @32186 has 15 MA's), (112, 32231), (154, 32330), (185, 32390), (204, 32426), (214, 32450), (233, 32495), (235, 32501), (258, 32552), (280, 32591), (282, 32594), (287, 32606), (305, 32621), (328, 32645), (347, 32678), (367, 32759), (377, 32804), (392, 32852), (401, 32888), (405, 32897), (409, 32903), (481, 33128),

Gene: Glaske_22 Start: 21561, Stop: 22601, Start Num: 85

Candidate Starts for Glaske_22:

(Start: 85 @21561 has 8 MA's), (158, 21720), (161, 21726), (184, 21768), (219, 21834), (222, 21837), (250, 21897), (273, 21942), (294, 21987), (347, 22068), (364, 22125), (368, 22149), (394, 22254), (415, 22326), (434, 22371),

Gene: Glaske16_32 Start: 26991, Stop: 28046, Start Num: 88

Candidate Starts for Glaske16_32:

(Start: 88 @26991 has 91 MA's), (190, 27204), (212, 27240), (240, 27303), (280, 27375), (294, 27405), (309, 27426), (331, 27462), (349, 27498), (364, 27546), (367, 27567), (369, 27573), (373, 27603), (375, 27606), (389, 27654), (459, 27864), (476, 27918),

Gene: Glass_33 Start: 32814, Stop: 33977, Start Num: 56

Candidate Starts for Glass_33:

(Start: 53 @32808 has 9 MA's), (Start: 56 @32814 has 333 MA's), (67, 32853), (77, 32883), (Start: 92 @32928 has 15 MA's), (112, 32973), (154, 33072), (185, 33132), (204, 33168), (214, 33192), (233, 33237), (235, 33243), (258, 33294), (280, 33333), (282, 33336), (287, 33348), (305, 33363), (328, 33387), (347, 33420), (367, 33501), (377, 33546), (392, 33594), (401, 33630), (405, 33639), (409, 33645), (481, 33870),

Gene: GlenHope_34 Start: 32212, Stop: 33414, Start Num: 58

Candidate Starts for GlenHope_34:

(Start: 58 @32212 has 44 MA's), (122, 32389), (127, 32398), (131, 32407), (148, 32446), (151, 32455), (158, 32473), (168, 32491), (175, 32509), (180, 32515), (187, 32527), (198, 32545), (204, 32560), (218, 32593), (230, 32620), (249, 32665), (290, 32746), (313, 32773), (324, 32791), (330, 32809), (345, 32851), (373, 32980), (398, 33070), (428, 33172), (454, 33238), (467, 33277), (483, 33349), (492, 33391),

Gene: Glubnar_33 Start: 32212, Stop: 33414, Start Num: 58

Candidate Starts for Glubnar_33:

(Start: 58 @32212 has 44 MA's), (67, 32245), (122, 32389), (127, 32398), (131, 32407), (148, 32446), (151, 32455), (158, 32473), (185, 32524), (190, 32533), (198, 32545), (201, 32551), (204, 32560), (224, 32605), (230, 32620), (249, 32665), (268, 32704), (284, 32734), (292, 32749), (305, 32761),

(320, 32785), (339, 32833), (342, 32839), (343, 32845), (345, 32851), (349, 32875), (369, 32950), (373, 32980), (392, 33040), (394, 33052), (398, 33070), (427, 33169), (428, 33172), (467, 33277), (473, 33283), (475, 33301), (491, 33388),

Gene: GodPhather_26 Start: 30204, Stop: 31373, Start Num: 53

Candidate Starts for GodPhather_26:

(Start: 53 @30204 has 9 MA's), (Start: 56 @30210 has 333 MA's), (67, 30249), (77, 30279), (Start: 92 @30324 has 15 MA's), (112, 30369), (154, 30468), (185, 30528), (204, 30564), (214, 30588), (233, 30633), (235, 30639), (258, 30690), (280, 30729), (282, 30732), (287, 30744), (305, 30759), (328, 30783), (347, 30816), (367, 30897), (377, 30942), (392, 30990), (401, 31026), (405, 31035), (409, 31041), (481, 31266),

Gene: Godines_33 Start: 32691, Stop: 33896, Start Num: 50

Candidate Starts for Godines_33:

(25, 32547), (Start: 49 @32688 has 2 MA's), (Start: 50 @32691 has 6 MA's), (77, 32760), (105, 32829), (116, 32859), (122, 32871), (126, 32877), (127, 32880), (131, 32889), (148, 32928), (151, 32937), (155, 32949), (185, 33006), (198, 33027), (204, 33042), (224, 33087), (230, 33102), (249, 33147), (284, 33216), (305, 33243), (320, 33267), (338, 33312), (345, 33333), (349, 33357), (369, 33432), (373, 33462), (392, 33522), (394, 33534), (398, 33552), (428, 33654), (473, 33765), (475, 33783), (484, 33834), (491, 33870),

Gene: Gophee_33 Start: 32358, Stop: 33518, Start Num: 56

Candidate Starts for Gophee_33:

(Start: 56 @32358 has 333 MA's), (Start: 92 @32469 has 15 MA's), (112, 32514), (154, 32613), (185, 32673), (204, 32709), (214, 32733), (233, 32778), (235, 32784), (258, 32835), (280, 32874), (282, 32877), (287, 32889), (328, 32928), (347, 32961), (367, 33042), (377, 33087), (392, 33135), (401, 33171), (405, 33180), (409, 33186), (481, 33411),

Gene: Grand2040_32 Start: 32090, Stop: 33250, Start Num: 56

Candidate Starts for Grand2040_32:

(Start: 56 @32090 has 333 MA's), (Start: 92 @32201 has 15 MA's), (112, 32246), (154, 32345), (185, 32405), (204, 32441), (214, 32465), (233, 32510), (235, 32516), (258, 32567), (280, 32606), (282, 32609), (287, 32621), (305, 32636), (328, 32660), (347, 32693), (367, 32774), (377, 32819), (392, 32867), (401, 32903), (405, 32912), (409, 32918), (481, 33143),

Gene: GrandSlam_27 Start: 23849, Stop: 24916, Start Num: 92

Candidate Starts for GrandSlam_27:

(Start: 92 @23849 has 15 MA's), (278, 24227), (356, 24368), (360, 24383), (364, 24395), (368, 24419), (388, 24503), (390, 24509), (397, 24542), (402, 24554), (433, 24650), (435, 24653), (440, 24674),

Gene: GreaseLightnin_22 Start: 21355, Stop: 22509, Start Num: 59

Candidate Starts for GreaseLightnin_22:

(18, 21118), (22, 21160), (27, 21190), (29, 21220), (31, 21229), (38, 21280), (48, 21334), (Start: 59 @21355 has 54 MA's), (81, 21436), (Start: 103 @21484 has 4 MA's), (128, 21544), (131, 21553), (139, 21568), (149, 21592), (158, 21616), (165, 21628), (204, 21703), (208, 21712), (217, 21736), (230, 21766), (306, 21850), (308, 21853), (320, 21874), (367, 22033), (389, 22123), (392, 22132), (398, 22162), (409, 22183), (492, 22486),

Gene: GrootJr_46 Start: 35356, Stop: 36414, Start Num: 125

Candidate Starts for GrootJr_46:

(1, 33916), (2, 34213), (6, 34444), (14, 34813), (65, 35191), (71, 35206), (75, 35224), (Start: 125 @35356 has 17 MA's), (281, 35701), (305, 35752), (331, 35800),

Gene: Gspu1_26 Start: 21693, Stop: 22775, Start Num: 125

Candidate Starts for Gspu1_26:

(Start: 125 @21693 has 17 MA's), (202, 21855), (222, 21903), (226, 21915), (266, 22017), (297, 22077), (313, 22110), (320, 22125), (335, 22164), (358, 22248), (365, 22278), (368, 22290), (409, 22437), (446, 22563), (467, 22620), (490, 22743),

Gene: Guillsminger_27 Start: 23933, Stop: 25000, Start Num: 88

Candidate Starts for Guillsminger_27:

(Start: 88 @23933 has 91 MA's), (143, 24050), (169, 24107), (193, 24155), (197, 24161), (227, 24218), (229, 24221), (234, 24236), (250, 24263), (270, 24302), (273, 24305), (278, 24317), (280, 24320), (282, 24323), (288, 24338), (320, 24383), (324, 24389), (349, 24443), (364, 24491), (370, 24521), (385, 24566), (418, 24695), (436, 24749),

Gene: Gwennie1_33 Start: 32439, Stop: 33599, Start Num: 56

Candidate Starts for Gwennie1_33:

(Start: 56 @32439 has 333 MA's), (Start: 92 @32550 has 15 MA's), (112, 32595), (154, 32694), (185, 32754), (204, 32790), (214, 32814), (233, 32859), (235, 32865), (258, 32916), (280, 32955), (282, 32958), (287, 32970), (328, 33009), (347, 33042), (367, 33123), (377, 33168), (392, 33216), (401, 33252), (405, 33261), (409, 33267), (481, 33492),

Gene: Gwilliam_33 Start: 32370, Stop: 33530, Start Num: 56

Candidate Starts for Gwilliam_33:

(Start: 56 @32370 has 333 MA's), (Start: 92 @32481 has 15 MA's), (112, 32526), (154, 32625), (185, 32685), (204, 32721), (214, 32745), (233, 32790), (235, 32796), (258, 32847), (280, 32886), (282, 32889), (287, 32901), (305, 32916), (328, 32940), (347, 32973), (367, 33054), (377, 33099), (392, 33147), (401, 33183), (405, 33192), (409, 33198), (481, 33423),

Gene: Gyarad_0033 Start: 32372, Stop: 33532, Start Num: 56

Candidate Starts for Gyarad_0033:

(Start: 56 @32372 has 333 MA's), (Start: 92 @32483 has 15 MA's), (112, 32528), (154, 32627), (185, 32687), (204, 32723), (214, 32747), (233, 32792), (235, 32798), (258, 32849), (280, 32888), (282, 32891), (287, 32903), (305, 32918), (328, 32942), (347, 32975), (367, 33056), (377, 33101), (392, 33149), (401, 33185), (405, 33194), (409, 33200), (481, 33425),

Gene: HC_22 Start: 21369, Stop: 22406, Start Num: 88

Candidate Starts for HC_22:

(81, 21345), (Start: 86 @21366 has 7 MA's), (Start: 88 @21369 has 91 MA's), (102, 21393), (161, 21531), (184, 21573), (222, 21642), (250, 21702), (273, 21747), (294, 21792), (347, 21873), (364, 21930), (368, 21954), (394, 22059), (415, 22131), (434, 22176), (486, 22341),

Gene: HSavage_33 Start: 32376, Stop: 33536, Start Num: 56

Candidate Starts for HSavage_33:

(Start: 56 @32376 has 333 MA's), (Start: 92 @32487 has 15 MA's), (112, 32532), (154, 32631), (185, 32691), (204, 32727), (214, 32751), (233, 32796), (235, 32802), (258, 32853), (280, 32892), (282, 32895), (287, 32907), (305, 32922), (328, 32946), (347, 32979), (367, 33060), (377, 33105), (392, 33153), (401, 33189), (405, 33198), (409, 33204), (481, 33429),

Gene: HUHilltop_22 Start: 21299, Stop: 22336, Start Num: 88

Candidate Starts for HUHilltop_22:

(81, 21275), (Start: 86 @21296 has 7 MA's), (Start: 88 @21299 has 91 MA's), (102, 21323), (161, 21461), (184, 21503), (222, 21572), (250, 21632), (273, 21677), (294, 21722), (347, 21803), (364, 21860), (368, 21884), (394, 21989), (415, 22061), (434, 22106), (486, 22271),

Gene: Haimas_33 Start: 32367, Stop: 33527, Start Num: 56

Candidate Starts for Haimas_33:

(Start: 56 @32367 has 333 MA's), (Start: 92 @32478 has 15 MA's), (112, 32523), (154, 32622), (185, 32682), (204, 32718), (214, 32742), (233, 32787), (235, 32793), (258, 32844), (280, 32883), (282, 32886), (287, 32898), (305, 32913), (328, 32937), (347, 32970), (367, 33051), (377, 33096), (392, 33144), (401, 33180), (405, 33189), (409, 33195), (481, 33420),

Gene: Haleema_32 Start: 32090, Stop: 33250, Start Num: 56

Candidate Starts for Haleema_32:

(Start: 56 @32090 has 333 MA's), (Start: 92 @32201 has 15 MA's), (112, 32246), (154, 32345), (185, 32405), (204, 32441), (214, 32465), (233, 32510), (235, 32516), (258, 32567), (280, 32606), (282, 32609), (287, 32621), (305, 32636), (328, 32660), (347, 32693), (367, 32774), (377, 32819), (392, 32867), (401, 32903), (405, 32912), (409, 32918), (481, 33143),

Gene: Halena_21 Start: 21699, Stop: 22871, Start Num: 56

Candidate Starts for Halena_21:

(Start: 54 @21696 has 5 MA's), (Start: 56 @21699 has 333 MA's), (Start: 103 @21825 has 4 MA's), (119, 21867), (126, 21879), (127, 21882), (142, 21915), (147, 21927), (168, 21975), (175, 21993), (198, 22029), (204, 22044), (226, 22095), (237, 22125), (257, 22167), (272, 22191), (325, 22227), (327, 22233), (340, 22260), (345, 22278), (369, 22371), (370, 22374), (390, 22458), (430, 22596), (438, 22614), (467, 22698),

Gene: Halfpint_32 Start: 32038, Stop: 33240, Start Num: 58

Candidate Starts for Halfpint_32:

(Start: 58 @32038 has 44 MA's), (122, 32215), (127, 32224), (131, 32233), (148, 32272), (151, 32281), (158, 32299), (168, 32317), (175, 32335), (180, 32341), (187, 32353), (198, 32371), (204, 32386), (230, 32446), (249, 32491), (290, 32572), (313, 32599), (324, 32617), (330, 32635), (345, 32677), (373, 32806), (398, 32896), (428, 32998), (450, 33055), (454, 33064), (467, 33103), (483, 33175), (492, 33217),

Gene: Hally898_29 Start: 31590, Stop: 32747, Start Num: 59

Candidate Starts for Hally898_29:

(Start: 59 @31590 has 54 MA's), (84, 31683), (Start: 92 @31698 has 15 MA's), (98, 31713), (105, 31725), (112, 31743), (151, 31833), (174, 31884), (180, 31893), (182, 31899), (190, 31911), (204, 31938), (215, 31953), (218, 31959), (222, 31965), (239, 31998), (243, 32007), (262, 32040), (286, 32073), (337, 32163), (345, 32169), (368, 32268), (369, 32271), (409, 32415), (456, 32568),

Gene: Hamish_33 Start: 32359, Stop: 33519, Start Num: 56

Candidate Starts for Hamish_33:

(Start: 56 @32359 has 333 MA's), (Start: 92 @32470 has 15 MA's), (112, 32515), (154, 32614), (185, 32674), (204, 32710), (214, 32734), (233, 32779), (235, 32785), (258, 32836), (280, 32875), (282, 32878), (287, 32890), (305, 32905), (328, 32929), (347, 32962), (367, 33043), (377, 33088), (392, 33136), (401, 33172), (405, 33181), (409, 33187), (481, 33412),

Gene: Hamood_27 Start: 23849, Stop: 24916, Start Num: 92

Candidate Starts for Hamood_27:

(Start: 92 @23849 has 15 MA's), (278, 24227), (356, 24368), (360, 24383), (364, 24395), (368, 24419), (388, 24503), (390, 24509), (397, 24542), (402, 24554), (433, 24650), (435, 24653), (440, 24674),

Gene: Hanako_21 Start: 19877, Stop: 21031, Start Num: 59

Candidate Starts for Hanako_21:

(18, 19640), (22, 19682), (27, 19712), (29, 19742), (38, 19802), (48, 19856), (Start: 59 @19877 has 54 MA's), (76, 19940), (81, 19958), (Start: 103 @20006 has 4 MA's), (128, 20066), (131, 20075), (139,

20090), (149, 20114), (158, 20138), (165, 20150), (204, 20225), (208, 20234), (217, 20258), (230, 20288), (258, 20333), (260, 20336), (263, 20342), (306, 20372), (308, 20375), (320, 20396), (367, 20555), (389, 20645), (392, 20654), (398, 20684), (409, 20705), (492, 21008),

Gene: Hangman_30 Start: 32602, Stop: 33759, Start Num: 59

Candidate Starts for Hangman_30:

(Start: 59 @32602 has 54 MA's), (84, 32695), (Start: 92 @32710 has 15 MA's), (98, 32725), (105, 32737), (112, 32755), (132, 32797), (174, 32896), (180, 32905), (190, 32923), (215, 32965), (218, 32971), (222, 32977), (224, 32983), (239, 33010), (243, 33019), (262, 33052), (286, 33085), (326, 33145), (337, 33175), (345, 33181), (348, 33202), (355, 33226), (368, 33280), (369, 33283), (409, 33427),

Gene: Hartsy_33 Start: 32410, Stop: 33570, Start Num: 56

Candidate Starts for Hartsy_33:

(Start: 56 @32410 has 333 MA's), (Start: 92 @32521 has 15 MA's), (112, 32566), (154, 32665), (185, 32725), (204, 32761), (214, 32785), (233, 32830), (235, 32836), (258, 32887), (280, 32926), (282, 32929), (287, 32941), (328, 32980), (347, 33013), (367, 33094), (392, 33187), (401, 33223), (405, 33232), (409, 33238), (481, 33463),

Gene: Harvey_33 Start: 32385, Stop: 33545, Start Num: 56

Candidate Starts for Harvey_33:

(Start: 56 @32385 has 333 MA's), (Start: 92 @32496 has 15 MA's), (112, 32541), (154, 32640), (185, 32700), (204, 32736), (214, 32760), (233, 32805), (235, 32811), (258, 32862), (280, 32901), (282, 32904), (287, 32916), (328, 32955), (347, 32988), (367, 33069), (377, 33114), (392, 33162), (401, 33198), (405, 33207), (409, 33213), (481, 33438),

Gene: HarveySr_33 Start: 32202, Stop: 33404, Start Num: 58

Candidate Starts for HarveySr_33:

(Start: 58 @32202 has 44 MA's), (67, 32235), (122, 32379), (127, 32388), (131, 32397), (148, 32436), (151, 32445), (158, 32463), (168, 32481), (175, 32499), (180, 32505), (187, 32517), (198, 32535), (204, 32550), (218, 32583), (230, 32610), (249, 32655), (290, 32736), (313, 32763), (324, 32781), (330, 32799), (345, 32841), (373, 32970), (398, 33060), (428, 33162), (450, 33219), (454, 33228), (467, 33267), (483, 33339), (492, 33381),

Gene: Hashim76_35 Start: 31239, Stop: 32393, Start Num: 59

Candidate Starts for Hashim76_35:

(Start: 59 @31239 has 54 MA's), (Start: 92 @31356 has 15 MA's), (118, 31416), (128, 31437), (133, 31446), (148, 31485), (151, 31494), (174, 31545), (207, 31605), (218, 31632), (236, 31674), (252, 31704), (276, 31752), (349, 31854), (352, 31866), (368, 31941), (393, 32037), (399, 32067), (409, 32085), (414, 32121), (459, 32223),

Gene: HayZem_32 Start: 36450, Stop: 37454, Start Num: 141

Candidate Starts for HayZem_32:

(Start: 141 @36450 has 4 MA's), (160, 36498), (170, 36516), (216, 36612), (221, 36621), (247, 36687), (288, 36768), (350, 36921), (362, 36948), (366, 36969), (391, 37071), (425, 37197), (467, 37299), (492, 37431),

Gene: Heath_29 Start: 32206, Stop: 33363, Start Num: 59

Candidate Starts for Heath_29:

(Start: 59 @32206 has 54 MA's), (84, 32299), (Start: 92 @32314 has 15 MA's), (98, 32329), (105, 32341), (112, 32359), (132, 32401), (174, 32500), (180, 32509), (190, 32527), (204, 32554), (215, 32569), (218, 32575), (222, 32581), (224, 32587), (239, 32614), (243, 32623), (262, 32656), (286, 32689), (295, 32707), (326, 32749), (337, 32779), (345, 32785), (348, 32806), (368, 32884), (369,

32887), (382, 32932), (409, 33031), (456, 33184),

Gene: Heathcliff_33 Start: 32184, Stop: 33386, Start Num: 58

Candidate Starts for Heathcliff_33:

(Start: 58 @32184 has 44 MA's), (67, 32217), (122, 32361), (127, 32370), (131, 32379), (148, 32418), (151, 32427), (158, 32445), (168, 32463), (175, 32481), (180, 32487), (187, 32499), (198, 32517), (204, 32532), (218, 32565), (230, 32592), (249, 32637), (290, 32718), (313, 32745), (324, 32763), (330, 32781), (345, 32823), (349, 32847), (369, 32922), (373, 32952), (392, 33012), (394, 33024), (398, 33042), (428, 33144), (467, 33249), (473, 33255), (475, 33273), (491, 33360),

Gene: Hedgerow_33 Start: 32796, Stop: 33959, Start Num: 56

Candidate Starts for Hedgerow_33:

(26, 32649), (Start: 53 @32790 has 9 MA's), (Start: 56 @32796 has 333 MA's), (67, 32835), (77, 32865), (Start: 92 @32910 has 15 MA's), (112, 32955), (154, 33054), (185, 33114), (204, 33150), (214, 33174), (233, 33219), (235, 33225), (258, 33276), (280, 33315), (282, 33318), (287, 33330), (305, 33345), (328, 33369), (347, 33402), (367, 33483), (392, 33576), (401, 33612), (405, 33621), (409, 33627), (424, 33687), (481, 33852),

Gene: Heftyboy_27 Start: 24081, Stop: 25148, Start Num: 88

Candidate Starts for Heftyboy_27:

(Start: 88 @24081 has 91 MA's), (143, 24198), (169, 24255), (193, 24303), (197, 24309), (227, 24366), (229, 24369), (234, 24384), (250, 24411), (270, 24450), (273, 24453), (278, 24465), (280, 24468), (282, 24471), (288, 24486), (320, 24531), (324, 24537), (349, 24591), (364, 24639), (370, 24669), (385, 24714), (418, 24843), (436, 24897),

Gene: Held_33 Start: 32074, Stop: 33234, Start Num: 56

Candidate Starts for Held_33:

(Start: 56 @32074 has 333 MA's), (Start: 92 @32185 has 15 MA's), (112, 32230), (154, 32329), (185, 32389), (204, 32425), (214, 32449), (233, 32494), (235, 32500), (258, 32551), (280, 32590), (282, 32593), (287, 32605), (305, 32620), (328, 32644), (347, 32677), (367, 32758), (377, 32803), (392, 32851), (401, 32887), (405, 32896), (409, 32902), (481, 33127),

Gene: HenryJackson_32 Start: 32090, Stop: 33250, Start Num: 56

Candidate Starts for HenryJackson_32:

(Start: 56 @32090 has 333 MA's), (Start: 92 @32201 has 15 MA's), (112, 32246), (154, 32345), (185, 32405), (204, 32441), (214, 32465), (233, 32510), (235, 32516), (258, 32567), (280, 32606), (282, 32609), (287, 32621), (305, 32636), (328, 32660), (347, 32693), (367, 32774), (377, 32819), (392, 32867), (401, 32903), (405, 32912), (409, 32918), (481, 33143),

Gene: Hertubise_33 Start: 32381, Stop: 33541, Start Num: 56

Candidate Starts for Hertubise_33:

(Start: 56 @32381 has 333 MA's), (Start: 92 @32492 has 15 MA's), (112, 32537), (154, 32636), (185, 32696), (204, 32732), (214, 32756), (233, 32801), (235, 32807), (258, 32858), (280, 32897), (282, 32900), (287, 32912), (305, 32927), (328, 32951), (347, 32984), (367, 33065), (377, 33110), (392, 33158), (401, 33194), (405, 33203), (409, 33209), (481, 33434),

Gene: Hetaeria_33 Start: 32383, Stop: 33543, Start Num: 56

Candidate Starts for Hetaeria_33:

(Start: 56 @32383 has 333 MA's), (Start: 92 @32494 has 15 MA's), (112, 32539), (154, 32638), (185, 32698), (204, 32734), (214, 32758), (233, 32803), (235, 32809), (258, 32860), (280, 32899), (282, 32902), (287, 32914), (328, 32953), (347, 32986), (367, 33067), (377, 33112), (392, 33160), (401, 33196), (405, 33205), (409, 33211), (481, 33436),

Gene: HighStump_32 Start: 32073, Stop: 33233, Start Num: 56

Candidate Starts for HighStump_32:

(Start: 56 @32073 has 333 MA's), (Start: 92 @32184 has 15 MA's), (112, 32229), (154, 32328), (185, 32388), (204, 32424), (214, 32448), (233, 32493), (235, 32499), (258, 32550), (280, 32589), (282, 32592), (287, 32604), (305, 32619), (328, 32643), (347, 32676), (367, 32757), (377, 32802), (392, 32850), (401, 32886), (405, 32895), (409, 32901), (481, 33126),

Gene: Hilltopfarm_28 Start: 26055, Stop: 27092, Start Num: 88

Candidate Starts for Hilltopfarm_28:

(Start: 88 @26055 has 91 MA's), (145, 26178), (172, 26232), (190, 26268), (226, 26331), (250, 26379), (278, 26433), (280, 26436), (367, 26622), (373, 26658), (386, 26700), (392, 26718), (409, 26769),

Gene: Hocus_32 Start: 32082, Stop: 33242, Start Num: 56

Candidate Starts for Hocus_32:

(Start: 56 @32082 has 333 MA's), (Start: 92 @32193 has 15 MA's), (112, 32238), (154, 32337), (185, 32397), (204, 32433), (214, 32457), (233, 32502), (235, 32508), (258, 32559), (280, 32598), (282, 32601), (287, 32613), (328, 32652), (347, 32685), (367, 32766), (377, 32811), (392, 32859), (401, 32895), (405, 32904), (409, 32910), (481, 33135),

Gene: Holeinone_33 Start: 32676, Stop: 33839, Start Num: 56

Candidate Starts for Holeinone_33:

(26, 32529), (Start: 53 @32670 has 9 MA's), (Start: 56 @32676 has 333 MA's), (67, 32715), (77, 32745), (Start: 92 @32790 has 15 MA's), (112, 32835), (154, 32934), (185, 32994), (204, 33030), (214, 33054), (233, 33099), (235, 33105), (258, 33156), (280, 33195), (282, 33198), (287, 33210), (305, 33225), (328, 33249), (347, 33282), (367, 33363), (392, 33456), (401, 33492), (405, 33501), (409, 33507), (481, 33732),

Gene: Horchata_33 Start: 32361, Stop: 33521, Start Num: 56

Candidate Starts for Horchata_33:

(Start: 56 @32361 has 333 MA's), (Start: 92 @32472 has 15 MA's), (112, 32517), (154, 32616), (185, 32676), (204, 32712), (214, 32736), (233, 32781), (235, 32787), (258, 32838), (280, 32877), (282, 32880), (287, 32892), (305, 32907), (328, 32931), (347, 32964), (367, 33045), (377, 33090), (392, 33138), (401, 33174), (405, 33183), (409, 33189), (481, 33414),

Gene: Hosp_025 Start: 28263, Stop: 29486, Start Num: 56

Candidate Starts for Hosp_025:

(Start: 56 @28263 has 333 MA's), (67, 28302), (83, 28353), (Start: 92 @28374 has 15 MA's), (98, 28389), (112, 28419), (139, 28479), (148, 28500), (149, 28503), (174, 28560), (204, 28614), (205, 28617), (208, 28623), (256, 28737), (292, 28806), (329, 28911), (367, 29043), (369, 29049), (402, 29172), (423, 29232), (444, 29286), (449, 29292), (467, 29340),

Gene: Hydro_30 Start: 32619, Stop: 33776, Start Num: 59

Candidate Starts for Hydro_30:

(Start: 59 @32619 has 54 MA's), (84, 32712), (Start: 92 @32727 has 15 MA's), (98, 32742), (105, 32754), (112, 32772), (132, 32814), (174, 32913), (180, 32922), (190, 32940), (204, 32967), (215, 32982), (218, 32988), (222, 32994), (224, 33000), (239, 33027), (243, 33036), (262, 33069), (286, 33102), (326, 33162), (337, 33192), (345, 33198), (355, 33243), (368, 33297), (369, 33300), (409, 33444), (456, 33597),

Gene: IPhone7_31 Start: 26992, Stop: 28047, Start Num: 88

Candidate Starts for IPhone7_31:

(Start: 88 @26992 has 91 MA's), (190, 27205), (212, 27241), (240, 27304), (280, 27376), (294, 27406), (309, 27427), (331, 27463), (349, 27499), (364, 27547), (367, 27568), (369, 27574), (373, 27604),

(375, 27607), (389, 27655), (449, 27844), (459, 27865), (476, 27919),

Gene: IdentityCrisis_21 Start: 19031, Stop: 20086, Start Num: 88

Candidate Starts for IdentityCrisis_21:

(Start: 88 @19031 has 91 MA's), (143, 19148), (229, 19322), (288, 19439), (291, 19445), (368, 19610), (392, 19703), (407, 19751), (415, 19787), (447, 19880),

Gene: ImtiyazSitla_32 Start: 31924, Stop: 33084, Start Num: 56

Candidate Starts for ImtiyazSitla_32:

(Start: 56 @31924 has 333 MA's), (Start: 92 @32035 has 15 MA's), (112, 32080), (154, 32179), (185, 32239), (204, 32275), (214, 32299), (233, 32344), (235, 32350), (258, 32401), (280, 32440), (282, 32443), (287, 32455), (305, 32470), (328, 32494), (347, 32527), (367, 32608), (377, 32653), (392, 32701), (401, 32737), (405, 32746), (409, 32752), (481, 32977),

Gene: Imvubu_25 Start: 28919, Stop: 30094, Start Num: 59

Candidate Starts for Imvubu_25:

(Start: 59 @28919 has 54 MA's), (82, 29009), (Start: 92 @29036 has 15 MA's), (106, 29057), (128, 29117), (133, 29126), (148, 29165), (151, 29174), (158, 29192), (174, 29225), (207, 29285), (236, 29354), (245, 29372), (258, 29399), (265, 29414), (274, 29426), (349, 29534), (437, 29858), (464, 29933), (473, 29954), (478, 29984), (492, 30071),

Gene: Inchworm_33 Start: 32359, Stop: 33519, Start Num: 56

Candidate Starts for Inchworm_33:

(Start: 56 @32359 has 333 MA's), (Start: 92 @32470 has 15 MA's), (112, 32515), (154, 32614), (185, 32674), (204, 32710), (214, 32734), (233, 32779), (235, 32785), (258, 32836), (280, 32875), (282, 32878), (287, 32890), (305, 32905), (328, 32929), (347, 32962), (367, 33043), (377, 33088), (392, 33136), (401, 33172), (405, 33181), (409, 33187), (481, 33412),

Gene: Indlovu_29 Start: 31250, Stop: 32386, Start Num: 59

Candidate Starts for Indlovu_29:

(46, 31217), (Start: 59 @31250 has 54 MA's), (Start: 92 @31367 has 15 MA's), (128, 31448), (134, 31463), (148, 31496), (151, 31505), (180, 31565), (198, 31595), (208, 31619), (262, 31736), (354, 31877), (382, 31985), (394, 32042),

Gene: Inverness_33 Start: 32373, Stop: 33533, Start Num: 56

Candidate Starts for Inverness_33:

(Start: 56 @32373 has 333 MA's), (Start: 92 @32484 has 15 MA's), (112, 32529), (154, 32628), (185, 32688), (204, 32724), (214, 32748), (233, 32793), (235, 32799), (258, 32850), (280, 32889), (282, 32892), (287, 32904), (305, 32919), (328, 32943), (347, 32976), (367, 33057), (377, 33102), (392, 33150), (401, 33186), (405, 33195), (409, 33201), (481, 33426),

Gene: InvictusManeo_27 Start: 24083, Stop: 25147, Start Num: 88

Candidate Starts for InvictusManeo_27:

(Start: 88 @24083 has 91 MA's), (130, 24173), (143, 24200), (172, 24263), (197, 24311), (218, 24350), (227, 24368), (250, 24413), (270, 24452), (294, 24500), (307, 24518), (349, 24593), (368, 24659), (390, 24749), (391, 24752), (392, 24755), (399, 24788), (433, 24887), (435, 24890), (465, 24974), (467, 24986), (489, 25103),

Gene: Iridessa_33 Start: 32075, Stop: 33235, Start Num: 56

Candidate Starts for Iridessa_33:

(Start: 56 @32075 has 333 MA's), (Start: 92 @32186 has 15 MA's), (112, 32231), (154, 32330), (185, 32390), (204, 32426), (214, 32450), (233, 32495), (235, 32501), (258, 32552), (280, 32591), (282, 32594), (287, 32606), (328, 32645), (347, 32678), (367, 32759), (392, 32852), (401, 32888), (405,

32897), (409, 32903), (481, 33128),

Gene: Iridoclysis_33 Start: 32353, Stop: 33513, Start Num: 56

Candidate Starts for Iridoclysis_33:

(Start: 56 @32353 has 333 MA's), (Start: 92 @32464 has 15 MA's), (112, 32509), (154, 32608), (185, 32668), (204, 32704), (214, 32728), (233, 32773), (235, 32779), (258, 32830), (280, 32869), (282, 32872), (287, 32884), (328, 32923), (347, 32956), (367, 33037), (377, 33082), (392, 33130), (401, 33166), (405, 33175), (409, 33181), (481, 33406),

Gene: IsaacEli_33 Start: 32377, Stop: 33537, Start Num: 56

Candidate Starts for IsaacEli_33:

(Start: 56 @32377 has 333 MA's), (Start: 92 @32488 has 15 MA's), (112, 32533), (154, 32632), (185, 32692), (204, 32728), (214, 32752), (233, 32797), (235, 32803), (258, 32854), (280, 32893), (282, 32896), (287, 32908), (305, 32923), (328, 32947), (347, 32980), (367, 33061), (377, 33106), (392, 33154), (401, 33190), (405, 33199), (409, 33205), (481, 33430),

Gene: ItsyBitsy1_33 Start: 32678, Stop: 33841, Start Num: 56

Candidate Starts for ItsyBitsy1_33:

(26, 32531), (Start: 53 @32672 has 9 MA's), (Start: 56 @32678 has 333 MA's), (67, 32717), (77, 32747), (Start: 92 @32792 has 15 MA's), (112, 32837), (154, 32936), (185, 32996), (204, 33032), (214, 33056), (233, 33101), (235, 33107), (258, 33158), (280, 33197), (282, 33200), (287, 33212), (305, 33227), (328, 33251), (347, 33284), (367, 33365), (392, 33458), (401, 33494), (405, 33503), (409, 33509), (481, 33734),

Gene: Izel_30 Start: 26991, Stop: 28046, Start Num: 88

Candidate Starts for Izel_30:

(Start: 88 @26991 has 91 MA's), (190, 27204), (212, 27240), (240, 27303), (280, 27375), (294, 27405), (309, 27426), (331, 27462), (349, 27498), (364, 27546), (367, 27567), (369, 27573), (373, 27603), (375, 27606), (389, 27654), (459, 27864), (476, 27918),

Gene: JAMaL_30 Start: 32789, Stop: 33946, Start Num: 59

Candidate Starts for JAMaL_30:

(Start: 59 @32789 has 54 MA's), (84, 32882), (Start: 92 @32897 has 15 MA's), (98, 32912), (105, 32924), (112, 32942), (151, 33032), (174, 33083), (180, 33092), (182, 33098), (190, 33110), (204, 33137), (215, 33152), (218, 33158), (222, 33164), (239, 33197), (243, 33206), (262, 33239), (286, 33272), (337, 33362), (345, 33368), (368, 33467), (369, 33470), (409, 33614), (456, 33767),

Gene: JDog_32 Start: 32090, Stop: 33250, Start Num: 56

Candidate Starts for JDog_32:

(Start: 56 @32090 has 333 MA's), (Start: 92 @32201 has 15 MA's), (112, 32246), (154, 32345), (185, 32405), (204, 32441), (214, 32465), (233, 32510), (235, 32516), (258, 32567), (280, 32606), (282, 32609), (287, 32621), (305, 32636), (328, 32660), (347, 32693), (367, 32774), (377, 32819), (392, 32867), (401, 32903), (405, 32912), (409, 32918), (481, 33143),

Gene: JacAttac_33 Start: 32359, Stop: 33519, Start Num: 56

Candidate Starts for JacAttac_33:

(Start: 56 @32359 has 333 MA's), (Start: 92 @32470 has 15 MA's), (112, 32515), (154, 32614), (185, 32674), (204, 32710), (214, 32734), (233, 32779), (235, 32785), (258, 32836), (280, 32875), (282, 32878), (287, 32890), (305, 32905), (328, 32929), (347, 32962), (367, 33043), (377, 33088), (392, 33136), (401, 33172), (405, 33181), (409, 33187), (481, 33412),

Gene: Jackstina_30 Start: 32142, Stop: 33344, Start Num: 58

Candidate Starts for Jackstina_30:

(Start: 58 @32142 has 44 MA's), (67, 32175), (122, 32319), (127, 32328), (131, 32337), (148, 32376), (151, 32385), (158, 32403), (168, 32421), (175, 32439), (180, 32445), (187, 32457), (198, 32475), (204, 32490), (218, 32523), (230, 32550), (249, 32595), (290, 32676), (313, 32703), (324, 32721), (330, 32739), (345, 32781), (373, 32910), (398, 33000), (428, 33102), (450, 33159), (454, 33168), (467, 33207), (483, 33279), (492, 33321),

Gene: JaguarMi_30 Start: 32084, Stop: 33241, Start Num: 59

Candidate Starts for JaguarMi_30:

(Start: 59 @32084 has 54 MA's), (84, 32177), (Start: 92 @32192 has 15 MA's), (98, 32207), (105, 32219), (112, 32237), (122, 32261), (132, 32279), (137, 32294), (174, 32378), (180, 32387), (190, 32405), (215, 32447), (218, 32453), (222, 32459), (224, 32465), (239, 32492), (243, 32501), (262, 32534), (286, 32567), (326, 32627), (337, 32657), (345, 32663), (368, 32762), (369, 32765), (395, 32876), (409, 32909), (456, 33062), (464, 33086), (467, 33098),

Gene: JakeO_32 Start: 32092, Stop: 33252, Start Num: 56

Candidate Starts for JakeO_32:

(Start: 56 @32092 has 333 MA's), (Start: 92 @32203 has 15 MA's), (112, 32248), (154, 32347), (185, 32407), (204, 32443), (214, 32467), (233, 32512), (235, 32518), (258, 32569), (280, 32608), (282, 32611), (287, 32623), (305, 32638), (328, 32662), (347, 32695), (367, 32776), (392, 32869), (401, 32905), (405, 32914), (409, 32920), (481, 33145),

Gene: Jamie19_21 Start: 19877, Stop: 21031, Start Num: 59

Candidate Starts for Jamie19_21:

(18, 19640), (22, 19682), (27, 19712), (29, 19742), (38, 19802), (48, 19856), (Start: 59 @19877 has 54 MA's), (81, 19958), (Start: 103 @20006 has 4 MA's), (128, 20066), (131, 20075), (139, 20090), (149, 20114), (158, 20138), (165, 20150), (204, 20225), (208, 20234), (217, 20258), (230, 20288), (306, 20372), (308, 20375), (320, 20396), (367, 20555), (389, 20645), (392, 20654), (398, 20684), (409, 20705), (492, 21008),

Gene: JangoPhett_33 Start: 32361, Stop: 33521, Start Num: 56

Candidate Starts for JangoPhett_33:

(Start: 56 @32361 has 333 MA's), (Start: 92 @32472 has 15 MA's), (112, 32517), (154, 32616), (185, 32676), (204, 32712), (214, 32736), (233, 32781), (235, 32787), (258, 32838), (280, 32877), (282, 32880), (287, 32892), (328, 32931), (347, 32964), (367, 33045), (377, 33090), (392, 33138), (401, 33174), (405, 33183), (409, 33189), (481, 33414),

Gene: Jebeks_22 Start: 21284, Stop: 22321, Start Num: 88

Candidate Starts for Jebeks_22:

(81, 21260), (Start: 86 @21281 has 7 MA's), (Start: 88 @21284 has 91 MA's), (102, 21308), (161, 21446), (184, 21488), (222, 21557), (250, 21617), (273, 21662), (294, 21707), (347, 21788), (364, 21845), (368, 21869), (394, 21974), (415, 22046), (434, 22091), (486, 22256),

Gene: Jeon_25 Start: 29946, Stop: 31115, Start Num: 53

Candidate Starts for Jeon_25:

(Start: 53 @29946 has 9 MA's), (Start: 56 @29952 has 333 MA's), (67, 29991), (77, 30021), (Start: 92 @30066 has 15 MA's), (112, 30111), (154, 30210), (185, 30270), (204, 30306), (214, 30330), (233, 30375), (235, 30381), (258, 30432), (280, 30471), (282, 30474), (287, 30486), (305, 30501), (328, 30525), (347, 30558), (367, 30639), (377, 30684), (392, 30732), (401, 30768), (405, 30777), (409, 30783), (481, 31008),

Gene: Jesabah_33 Start: 32092, Stop: 33252, Start Num: 56

Candidate Starts for Jesabah_33:

(Start: 56 @32092 has 333 MA's), (Start: 92 @32203 has 15 MA's), (112, 32248), (154, 32347), (185, 32407), (204, 32443), (214, 32467), (233, 32512), (235, 32518), (258, 32569), (280, 32608), (282, 32611), (287, 32623), (305, 32638), (328, 32662), (347, 32695), (367, 32776), (377, 32821), (392, 32869), (401, 32905), (405, 32914), (409, 32920), (481, 33145),

Gene: Jifall16_43 Start: 35628, Stop: 36686, Start Num: 125

Candidate Starts for Jifall16_43:

(1, 34188), (2, 34485), (6, 34716), (14, 35085), (65, 35463), (71, 35478), (75, 35496), (Start: 125 @35628 has 17 MA's), (281, 35973), (305, 36024), (331, 36072),

Gene: Jillium_32 Start: 32083, Stop: 33243, Start Num: 56

Candidate Starts for Jillium_32:

(Start: 56 @32083 has 333 MA's), (Start: 92 @32194 has 15 MA's), (112, 32239), (154, 32338), (185, 32398), (204, 32434), (214, 32458), (233, 32503), (235, 32509), (258, 32560), (280, 32599), (282, 32602), (287, 32614), (305, 32629), (328, 32653), (347, 32686), (367, 32767), (377, 32812), (392, 32860), (401, 32896), (405, 32905), (409, 32911), (481, 33136),

Gene: Jiminy_32 Start: 31927, Stop: 33087, Start Num: 56

Candidate Starts for Jiminy_32:

(Start: 56 @31927 has 333 MA's), (Start: 92 @32038 has 15 MA's), (112, 32083), (154, 32182), (185, 32242), (204, 32278), (214, 32302), (233, 32347), (235, 32353), (258, 32404), (280, 32443), (282, 32446), (287, 32458), (328, 32497), (347, 32530), (367, 32611), (392, 32704), (401, 32740), (405, 32749), (409, 32755), (481, 32980),

Gene: Jiraiya_33 Start: 32080, Stop: 33240, Start Num: 56

Candidate Starts for Jiraiya_33:

(Start: 56 @32080 has 333 MA's), (Start: 92 @32191 has 15 MA's), (112, 32236), (154, 32335), (185, 32395), (204, 32431), (214, 32455), (233, 32500), (235, 32506), (258, 32557), (280, 32596), (282, 32599), (287, 32611), (305, 32626), (328, 32650), (347, 32683), (367, 32764), (392, 32857), (401, 32893), (405, 32902), (409, 32908), (481, 33133),

Gene: Jobypre_22 Start: 22247, Stop: 23464, Start Num: 56

Candidate Starts for Jobypre_22:

(Start: 56 @22247 has 333 MA's), (90, 22349), (97, 22361), (105, 22379), (110, 22388), (126, 22427), (142, 22463), (148, 22478), (150, 22484), (163, 22514), (165, 22517), (181, 22553), (189, 22565), (214, 22616), (215, 22619), (240, 22679), (253, 22706), (260, 22721), (263, 22727), (271, 22739), (301, 22799), (316, 22823), (345, 22883), (368, 22979), (373, 23012), (394, 23084), (401, 23108), (477, 23336), (479, 23348),

Gene: JoeDirt_21 Start: 21667, Stop: 22842, Start Num: 54

Candidate Starts for JoeDirt_21:

(Start: 54 @21667 has 5 MA's), (Start: 56 @21670 has 333 MA's), (Start: 103 @21796 has 4 MA's), (119, 21838), (126, 21850), (127, 21853), (142, 21886), (147, 21898), (168, 21946), (175, 21964), (198, 22000), (204, 22015), (226, 22066), (237, 22096), (257, 22138), (272, 22162), (325, 22198), (327, 22204), (340, 22231), (345, 22249), (369, 22342), (370, 22345), (390, 22429), (430, 22567), (438, 22585), (467, 22669),

Gene: Jolie1_027 Start: 30065, Stop: 31273, Start Num: 56

Candidate Starts for Jolie1_027:

(Start: 56 @30065 has 333 MA's), (67, 30104), (78, 30146), (82, 30155), (83, 30158), (Start: 92 @30179 has 15 MA's), (112, 30224), (130, 30263), (139, 30284), (148, 30305), (149, 30308), (174, 30365), (204, 30419), (205, 30422), (208, 30428), (223, 30464), (251, 30530), (256, 30542), (257, 30545), (260, 30551), (283, 30593), (318, 30674), (329, 30698), (368, 30833), (376, 30869), (402,

30959), (423, 31019), (444, 31073), (467, 31127),

Gene: Jolie2_23 Start: 22241, Stop: 23368, Start Num: 56

Candidate Starts for Jolie2_23:

(21, 22061), (40, 22184), (Start: 56 @22241 has 333 MA's), (204, 22592), (223, 22634), (254, 22709), (292, 22781), (343, 22820), (367, 22919), (368, 22922), (369, 22925), (404, 23051), (456, 23189),

Gene: Jubie_22 Start: 22248, Stop: 23465, Start Num: 56

Candidate Starts for Jubie_22:

(Start: 56 @22248 has 333 MA's), (90, 22350), (97, 22362), (105, 22380), (110, 22389), (126, 22428), (142, 22464), (148, 22479), (150, 22485), (163, 22515), (165, 22518), (181, 22554), (189, 22566), (214, 22617), (215, 22620), (240, 22680), (253, 22707), (260, 22722), (263, 22728), (271, 22740), (301, 22800), (316, 22824), (345, 22884), (368, 22980), (373, 23013), (394, 23085), (401, 23109), (477, 23337), (479, 23349),

Gene: Juliette_30 Start: 24531, Stop: 25565, Start Num: 87

Candidate Starts for Juliette_30:

(72, 24465), (Start: 87 @24531 has 6 MA's), (158, 24687), (159, 24690), (184, 24735), (190, 24744), (229, 24819), (273, 24906), (294, 24951), (347, 25032), (364, 25089), (368, 25113), (394, 25218), (415, 25290), (439, 25350), (486, 25500),

Gene: Jumbo_25 Start: 36377, Stop: 37471, Start Num: 96

Candidate Starts for Jumbo_25:

(Start: 96 @36377 has 1 MA's), (143, 36485), (197, 36602), (235, 36689), (331, 36851), (364, 36944), (367, 36965), (390, 37052), (472, 37319),

Gene: Jung_22 Start: 21225, Stop: 22292, Start Num: 88

Candidate Starts for Jung_22:

(81, 21201), (Start: 86 @21222 has 7 MA's), (Start: 88 @21225 has 91 MA's), (102, 21249), (158, 21381), (161, 21387), (184, 21429), (219, 21495), (222, 21498), (250, 21558), (273, 21603), (294, 21648), (347, 21729), (364, 21786), (368, 21810), (377, 21852), (414, 21981), (421, 22002),

Gene: Juniormint_22 Start: 21325, Stop: 22380, Start Num: 88

Candidate Starts for Juniormint_22:

(81, 21301), (Start: 86 @21322 has 7 MA's), (Start: 88 @21325 has 91 MA's), (102, 21349), (161, 21487), (184, 21529), (222, 21598), (250, 21676), (273, 21721), (294, 21766), (347, 21847), (364, 21904), (368, 21928), (394, 22033), (415, 22105), (434, 22150), (486, 22315),

Gene: KLucky39_33 Start: 32371, Stop: 33531, Start Num: 56

Candidate Starts for KLucky39_33:

(Start: 56 @32371 has 333 MA's), (Start: 92 @32482 has 15 MA's), (112, 32527), (154, 32626), (185, 32686), (204, 32722), (214, 32746), (233, 32791), (235, 32797), (258, 32848), (280, 32887), (282, 32890), (287, 32902), (305, 32917), (328, 32941), (347, 32974), (367, 33055), (377, 33100), (392, 33148), (401, 33184), (405, 33193), (409, 33199), (481, 33424),

Gene: Kahve_32 Start: 32087, Stop: 33247, Start Num: 56

Candidate Starts for Kahve_32:

(Start: 56 @32087 has 333 MA's), (Start: 92 @32198 has 15 MA's), (112, 32243), (154, 32342), (185, 32402), (204, 32438), (214, 32462), (233, 32507), (235, 32513), (258, 32564), (280, 32603), (282, 32606), (287, 32618), (305, 32633), (328, 32657), (347, 32690), (367, 32771), (377, 32816), (392, 32864), (401, 32900), (405, 32909), (409, 32915), (481, 33140),

Gene: Kailash_33 Start: 32425, Stop: 33585, Start Num: 56

Candidate Starts for Kailash_33:

(Start: 56 @32425 has 333 MA's), (Start: 92 @32536 has 15 MA's), (112, 32581), (154, 32680), (185, 32740), (204, 32776), (214, 32800), (233, 32845), (235, 32851), (258, 32902), (280, 32941), (282, 32944), (287, 32956), (328, 32995), (347, 33028), (367, 33109), (392, 33202), (401, 33238), (405, 33247), (409, 33253), (481, 33478),

Gene: Kaleb_33 Start: 32811, Stop: 33974, Start Num: 56

Candidate Starts for Kaleb_33:

(26, 32664), (Start: 53 @32805 has 9 MA's), (Start: 56 @32811 has 333 MA's), (67, 32850), (77, 32880), (Start: 92 @32925 has 15 MA's), (112, 32970), (154, 33069), (185, 33129), (204, 33165), (214, 33189), (233, 33234), (235, 33240), (258, 33291), (280, 33330), (282, 33333), (287, 33345), (305, 33360), (328, 33384), (347, 33417), (367, 33498), (377, 33543), (392, 33591), (401, 33627), (405, 33636), (409, 33642), (481, 33867),

Gene: Kamiyu_33 Start: 32188, Stop: 33390, Start Num: 58

Candidate Starts for Kamiyu_33:

(Start: 58 @32188 has 44 MA's), (67, 32221), (122, 32365), (127, 32374), (131, 32383), (148, 32422), (151, 32431), (158, 32449), (168, 32467), (175, 32485), (180, 32491), (187, 32503), (198, 32521), (204, 32536), (218, 32569), (230, 32596), (249, 32641), (290, 32722), (313, 32749), (324, 32767), (330, 32785), (345, 32827), (373, 32956), (380, 32965), (398, 33046), (428, 33148), (450, 33205), (454, 33214), (467, 33253), (483, 33325), (492, 33367),

Gene: KarasumaRum_34 Start: 32734, Stop: 34239, Start Num: 15

Candidate Starts for KarasumaRum_34:

(Start: 15 @32734 has 9 MA's), (19, 32773), (28, 32845), (35, 32905), (36, 32923), (41, 32938), (124, 33190), (136, 33220), (142, 33238), (152, 33265), (165, 33292), (214, 33394), (231, 33433), (236, 33448), (263, 33523), (287, 33568), (290, 33574), (295, 33583), (345, 33679), (361, 33745), (369, 33781), (427, 33994), (473, 34105), (495, 34225),

Gene: Kari_22 Start: 21296, Stop: 22336, Start Num: 86

Candidate Starts for Kari_22:

(81, 21275), (Start: 86 @21296 has 7 MA's), (Start: 88 @21299 has 91 MA's), (102, 21323), (161, 21461), (184, 21503), (222, 21572), (250, 21632), (273, 21677), (294, 21722), (347, 21803), (364, 21860), (368, 21884), (394, 21989), (415, 22061), (434, 22106), (486, 22271),

Gene: Katniss_33 Start: 32386, Stop: 33546, Start Num: 56

Candidate Starts for Katniss_33:

(Start: 56 @32386 has 333 MA's), (Start: 92 @32497 has 15 MA's), (112, 32542), (154, 32641), (185, 32701), (204, 32737), (214, 32761), (233, 32806), (235, 32812), (258, 32863), (280, 32902), (282, 32905), (287, 32917), (305, 32932), (328, 32956), (347, 32989), (367, 33070), (377, 33115), (392, 33163), (401, 33199), (405, 33208), (409, 33214), (481, 33439),

Gene: KayaCho_27 Start: 30061, Stop: 31269, Start Num: 56

Candidate Starts for KayaCho_27:

(8, 29536), (12, 29638), (Start: 56 @30061 has 333 MA's), (67, 30100), (83, 30154), (Start: 92 @30175 has 15 MA's), (98, 30190), (112, 30220), (117, 30235), (148, 30301), (149, 30304), (174, 30361), (175, 30364), (204, 30415), (205, 30418), (208, 30424), (211, 30430), (225, 30466), (256, 30538), (257, 30541), (283, 30589), (292, 30607), (329, 30694), (368, 30829), (401, 30952), (402, 30955), (423, 31015), (444, 31069), (449, 31075), (467, 31123),

Gene: Keitherie_33 Start: 32424, Stop: 33584, Start Num: 56

Candidate Starts for Keitherie_33:

(Start: 56 @32424 has 333 MA's), (Start: 92 @32535 has 15 MA's), (112, 32580), (154, 32679), (185, 32739), (204, 32775), (214, 32799), (233, 32844), (235, 32850), (258, 32901), (280, 32940), (282, 32943), (287, 32955), (328, 32994), (347, 33027), (367, 33108), (377, 33153), (392, 33201), (401, 33237), (405, 33246), (409, 33252), (481, 33477),

Gene: Kevin1_22 Start: 19999, Stop: 21036, Start Num: 87

Candidate Starts for Kevin1_22:

(72, 19933), (Start: 87 @19999 has 6 MA's), (158, 20155), (161, 20161), (219, 20269), (229, 20287), (273, 20377), (294, 20422), (347, 20503), (368, 20584), (390, 20671), (394, 20689), (415, 20761), (434, 20806), (486, 20971),

Gene: Keziacharles14_32 Start: 24883, Stop: 26085, Start Num: 56

Candidate Starts for Keziacharles14_32:

(Start: 56 @24883 has 333 MA's), (116, 25045), (127, 25066), (155, 25135), (168, 25159), (201, 25219), (208, 25237), (214, 25252), (222, 25267), (244, 25321), (312, 25453), (323, 25468), (341, 25504), (367, 25612), (368, 25615), (371, 25642), (373, 25648), (409, 25759),

Gene: Khan1_33 Start: 32108, Stop: 33268, Start Num: 56

Candidate Starts for Khan1_33:

(Start: 56 @32108 has 333 MA's), (Start: 92 @32219 has 15 MA's), (112, 32264), (154, 32363), (185, 32423), (204, 32459), (214, 32483), (233, 32528), (235, 32534), (258, 32585), (280, 32624), (282, 32627), (287, 32639), (305, 32654), (328, 32678), (347, 32711), (367, 32792), (377, 32837), (392, 32885), (401, 32921), (405, 32930), (409, 32936), (481, 33161),

Gene: Kheth_33 Start: 32696, Stop: 33862, Start Num: 56

Candidate Starts for Kheth_33:

(Start: 53 @32690 has 9 MA's), (Start: 56 @32696 has 333 MA's), (67, 32735), (77, 32765), (Start: 92 @32810 has 15 MA's), (112, 32855), (154, 32954), (185, 33014), (204, 33050), (214, 33074), (233, 33119), (235, 33125), (258, 33176), (280, 33215), (282, 33218), (287, 33230), (305, 33245), (328, 33269), (347, 33302), (367, 33383), (392, 33476), (401, 33512), (405, 33521), (409, 33527), (481, 33752),

Gene: KidneyBean_44 Start: 35752, Stop: 36810, Start Num: 125

Candidate Starts for KidneyBean_44:

(1, 34312), (2, 34609), (6, 34840), (14, 35209), (65, 35587), (71, 35602), (75, 35620), (Start: 125 @35752 has 17 MA's), (281, 36097), (305, 36148), (331, 36196),

Gene: Kikipoo_33 Start: 32377, Stop: 33537, Start Num: 56

Candidate Starts for Kikipoo_33:

(Start: 56 @32377 has 333 MA's), (Start: 92 @32488 has 15 MA's), (112, 32533), (154, 32632), (185, 32692), (204, 32728), (214, 32752), (233, 32797), (235, 32803), (258, 32854), (280, 32893), (282, 32896), (287, 32908), (305, 32923), (328, 32947), (347, 32980), (367, 33061), (377, 33106), (392, 33154), (401, 33190), (405, 33199), (409, 33205), (481, 33430),

Gene: KilKor_22 Start: 21561, Stop: 22601, Start Num: 85

Candidate Starts for KilKor_22:

(Start: 85 @21561 has 8 MA's), (158, 21720), (161, 21726), (184, 21768), (219, 21834), (222, 21837), (250, 21897), (273, 21942), (294, 21987), (347, 22068), (364, 22125), (368, 22149), (394, 22254), (415, 22326), (434, 22371),

Gene: Kimbrough_33 Start: 32079, Stop: 33239, Start Num: 56

Candidate Starts for Kimbrough_33:

(Start: 56 @32079 has 333 MA's), (Start: 92 @32190 has 15 MA's), (112, 32235), (154, 32334), (185, 32394), (204, 32430), (214, 32454), (233, 32499), (235, 32505), (258, 32556), (280, 32595), (282, 32598), (287, 32610), (305, 32625), (328, 32649), (347, 32682), (367, 32763), (377, 32808), (392, 32856), (401, 32892), (405, 32901), (409, 32907), (481, 33132),

Gene: KingCyrus_34 Start: 25662, Stop: 26561, Start Num: 56

Candidate Starts for KingCyrus_34:

(Start: 56 @25662 has 333 MA's), (94, 25773), (139, 25875), (148, 25896), (175, 25959), (242, 26091), (372, 26373),

Gene: KingTut_24 Start: 27748, Stop: 28908, Start Num: 56

Candidate Starts for KingTut_24:

(Start: 56 @27748 has 333 MA's), (Start: 92 @27859 has 15 MA's), (112, 27904), (154, 28003), (185, 28063), (204, 28099), (214, 28123), (233, 28168), (235, 28174), (258, 28225), (280, 28264), (282, 28267), (287, 28279), (305, 28294), (328, 28318), (347, 28351), (367, 28432), (377, 28477), (392, 28525), (401, 28561), (405, 28570), (409, 28576), (481, 28801),

Gene: KingVeVeVe_33 Start: 32352, Stop: 33512, Start Num: 56

Candidate Starts for KingVeVeVe_33:

(Start: 56 @32352 has 333 MA's), (Start: 92 @32463 has 15 MA's), (112, 32508), (154, 32607), (185, 32667), (204, 32703), (214, 32727), (233, 32772), (235, 32778), (258, 32829), (280, 32868), (282, 32871), (287, 32883), (305, 32898), (328, 32922), (347, 32955), (367, 33036), (377, 33081), (392, 33129), (401, 33165), (405, 33174), (409, 33180), (481, 33405),

Gene: Kingsolomon_22 Start: 22247, Stop: 23464, Start Num: 56

Candidate Starts for Kingsolomon_22:

(Start: 56 @22247 has 333 MA's), (90, 22349), (97, 22361), (105, 22379), (110, 22388), (126, 22427), (142, 22463), (148, 22478), (150, 22484), (163, 22514), (165, 22517), (181, 22553), (189, 22565), (214, 22616), (215, 22619), (240, 22679), (253, 22706), (260, 22721), (263, 22727), (271, 22739), (301, 22799), (316, 22823), (345, 22883), (368, 22979), (373, 23012), (394, 23084), (401, 23108), (477, 23336), (479, 23348),

Gene: KirDoubleO7_20 Start: 22241, Stop: 23458, Start Num: 56

Candidate Starts for KirDoubleO7_20:

(Start: 56 @22241 has 333 MA's), (62, 22268), (90, 22343), (97, 22355), (105, 22373), (126, 22421), (142, 22457), (148, 22472), (150, 22478), (163, 22508), (189, 22559), (208, 22595), (214, 22610), (215, 22613), (263, 22721), (271, 22733), (301, 22793), (316, 22817), (345, 22877), (373, 23006), (376, 23012), (394, 23078),

Gene: KlimbOn_33 Start: 32365, Stop: 33525, Start Num: 56

Candidate Starts for KlimbOn_33:

(Start: 56 @32365 has 333 MA's), (Start: 92 @32476 has 15 MA's), (112, 32521), (154, 32620), (185, 32680), (204, 32716), (214, 32740), (233, 32785), (235, 32791), (258, 32842), (280, 32881), (282, 32884), (287, 32896), (305, 32911), (328, 32935), (347, 32968), (367, 33049), (377, 33094), (392, 33142), (401, 33178), (405, 33187), (409, 33193), (481, 33418),

Gene: Kloppinator_33 Start: 32388, Stop: 33548, Start Num: 56

Candidate Starts for Kloppinator_33:

(Start: 56 @32388 has 333 MA's), (Start: 92 @32499 has 15 MA's), (112, 32544), (154, 32643), (185, 32703), (204, 32739), (214, 32763), (233, 32808), (235, 32814), (258, 32865), (280, 32904), (282, 32907), (287, 32919), (328, 32958), (347, 32991), (367, 33072), (377, 33117), (392, 33165), (401, 33201), (405, 33210), (409, 33216), (481, 33441),

Gene: Klocker_33 Start: 33872, Stop: 35014, Start Num: 59

Candidate Starts for Klocker_33:

(Start: 59 @33872 has 54 MA's), (Start: 92 @33989 has 15 MA's), (109, 34016), (111, 34025), (118, 34049), (128, 34070), (133, 34079), (142, 34103), (148, 34118), (149, 34121), (151, 34127), (174, 34178), (180, 34187), (189, 34205), (198, 34217), (199, 34220), (208, 34241), (230, 34292), (236, 34307), (242, 34319), (255, 34343), (258, 34352), (274, 34379), (276, 34385), (328, 34445), (343, 34457), (349, 34487), (352, 34499), (368, 34574), (389, 34658), (393, 34670), (399, 34700), (409, 34718), (436, 34799), (445, 34826), (447, 34829), (449, 34838),

Gene: Koella_19 Start: 20229, Stop: 21383, Start Num: 59

Candidate Starts for Koella_19:

(Start: 56 @20226 has 333 MA's), (Start: 59 @20229 has 54 MA's), (81, 20310), (Start: 103 @20358 has 4 MA's), (128, 20418), (131, 20427), (139, 20442), (149, 20466), (158, 20490), (165, 20502), (204, 20577), (208, 20586), (217, 20610), (230, 20640), (306, 20724), (308, 20727), (320, 20748), (367, 20907), (389, 20997), (392, 21006), (398, 21036), (409, 21057), (492, 21360),

Gene: Kolhan_33 Start: 32690, Stop: 33853, Start Num: 56

Candidate Starts for Kolhan_33:

(26, 32543), (Start: 53 @32684 has 9 MA's), (Start: 56 @32690 has 333 MA's), (67, 32729), (77, 32759), (Start: 92 @32804 has 15 MA's), (112, 32849), (154, 32948), (185, 33008), (204, 33044), (214, 33068), (233, 33113), (235, 33119), (258, 33170), (280, 33209), (282, 33212), (287, 33224), (328, 33263), (347, 33296), (367, 33377), (392, 33470), (401, 33506), (405, 33515), (409, 33521), (481, 33746),

Gene: Kratio_26 Start: 23714, Stop: 24778, Start Num: 88

Candidate Starts for Kratio_26:

(Start: 88 @23714 has 91 MA's), (130, 23804), (144, 23834), (172, 23894), (197, 23942), (218, 23981), (227, 23999), (270, 24083), (294, 24131), (307, 24149), (349, 24224), (368, 24290), (390, 24380), (391, 24383), (392, 24386), (399, 24419), (433, 24518), (435, 24521), (465, 24605), (467, 24617), (489, 24734),

Gene: Kronus_32 Start: 32802, Stop: 34004, Start Num: 58

Candidate Starts for Kronus_32:

(Start: 58 @32802 has 44 MA's), (67, 32835), (122, 32979), (127, 32988), (131, 32997), (148, 33036), (151, 33045), (158, 33063), (168, 33081), (175, 33099), (180, 33105), (187, 33117), (198, 33135), (204, 33150), (218, 33183), (230, 33210), (249, 33255), (290, 33336), (313, 33363), (324, 33381), (330, 33399), (345, 33441), (349, 33465), (369, 33540), (373, 33570), (392, 33630), (394, 33642), (398, 33660), (427, 33759), (428, 33762), (467, 33867), (473, 33873), (475, 33891), (491, 33978),

Gene: Kropertea_21 Start: 21486, Stop: 22568, Start Num: 70

Candidate Starts for Kropertea_21:

(Start: 70 @21486 has 4 MA's), (189, 21738), (Start: 209 @21777 has 1 MA's), (213, 21786), (214, 21789), (228, 21816), (235, 21825), (248, 21849), (274, 21903), (304, 21906), (339, 21960), (370, 22080), (379, 22113), (381, 22116), (394, 22176), (409, 22215), (411, 22230), (443, 22341), (463, 22389),

Gene: Krypton555_22 Start: 22170, Stop: 23369, Start Num: 56

Candidate Starts for Krypton555_22:

(Start: 56 @22170 has 333 MA's), (90, 22272), (97, 22284), (105, 22302), (126, 22350), (146, 22395), (148, 22401), (163, 22437), (181, 22476), (186, 22482), (189, 22488), (211, 22530), (240, 22602), (263, 22650), (271, 22662), (274, 22668), (345, 22806), (356, 22851), (367, 22899), (373, 22935), (390, 22989), (394, 23007), (399, 23028), (448, 23178), (460, 23199), (487, 23307),

Gene: Ksquared_22 Start: 21321, Stop: 22358, Start Num: 88

Candidate Starts for Ksquared_22:

(81, 21297), (Start: 86 @21318 has 7 MA's), (Start: 88 @21321 has 91 MA's), (102, 21345), (161, 21483), (184, 21525), (222, 21594), (250, 21654), (273, 21699), (294, 21744), (347, 21825), (364, 21882), (368, 21906), (394, 22011), (415, 22083), (434, 22128), (486, 22293),

Gene: Kurt_44 Start: 35989, Stop: 37047, Start Num: 125

Candidate Starts for Kurt_44:

(1, 34549), (2, 34846), (6, 35077), (14, 35446), (65, 35824), (71, 35839), (75, 35857), (Start: 125 @35989 has 17 MA's), (281, 36334), (305, 36385), (331, 36433),

Gene: Kwadwo_32 Start: 32069, Stop: 33229, Start Num: 56

Candidate Starts for Kwadwo_32:

(Start: 56 @32069 has 333 MA's), (Start: 92 @32180 has 15 MA's), (112, 32225), (154, 32324), (185, 32384), (204, 32420), (214, 32444), (233, 32489), (235, 32495), (258, 32546), (280, 32585), (282, 32588), (287, 32600), (305, 32615), (328, 32639), (347, 32672), (367, 32753), (377, 32798), (392, 32846), (401, 32882), (405, 32891), (409, 32897), (481, 33122),

Gene: Kwksand96_32 Start: 31938, Stop: 33098, Start Num: 56

Candidate Starts for Kwksand96_32:

(Start: 56 @31938 has 333 MA's), (Start: 92 @32049 has 15 MA's), (112, 32094), (154, 32193), (185, 32253), (204, 32289), (214, 32313), (233, 32358), (235, 32364), (258, 32415), (280, 32454), (282, 32457), (287, 32469), (305, 32484), (328, 32508), (347, 32541), (367, 32622), (377, 32667), (392, 32715), (401, 32751), (405, 32760), (409, 32766), (481, 32991),

Gene: Labelle_37 Start: 32043, Stop: 33083, Start Num: 103

Candidate Starts for Labelle_37:

(Start: 103 @32043 has 4 MA's), (135, 32121), (170, 32199), (264, 32412), (269, 32418), (327, 32496), (364, 32589), (369, 32616),

Gene: Labeouficaum_32 Start: 31933, Stop: 33093, Start Num: 56

Candidate Starts for Labeouficaum_32:

(Start: 56 @31933 has 333 MA's), (Start: 92 @32044 has 15 MA's), (112, 32089), (154, 32188), (185, 32248), (204, 32284), (214, 32308), (233, 32353), (235, 32359), (258, 32410), (280, 32449), (282, 32452), (287, 32464), (305, 32479), (328, 32503), (347, 32536), (367, 32617), (377, 32662), (392, 32710), (401, 32746), (405, 32755), (409, 32761), (481, 32986),

Gene: Lambano_29 Start: 31590, Stop: 32747, Start Num: 59

Candidate Starts for Lambano_29:

(Start: 59 @31590 has 54 MA's), (84, 31683), (Start: 92 @31698 has 15 MA's), (98, 31713), (105, 31725), (112, 31743), (151, 31833), (174, 31884), (180, 31893), (182, 31899), (190, 31911), (204, 31938), (215, 31953), (218, 31959), (222, 31965), (239, 31998), (243, 32007), (262, 32040), (286, 32073), (337, 32163), (345, 32169), (368, 32268), (369, 32271), (409, 32415), (456, 32568),

Gene: Langerak_22 Start: 21280, Stop: 22320, Start Num: 86

Candidate Starts for Langerak_22:

(81, 21259), (Start: 86 @21280 has 7 MA's), (Start: 88 @21283 has 91 MA's), (102, 21307), (161, 21445), (184, 21487), (222, 21556), (250, 21616), (273, 21661), (294, 21706), (347, 21787), (364, 21844), (368, 21868), (394, 21973), (415, 22045), (434, 22090), (486, 22255),

Gene: Lars_33 Start: 32801, Stop: 33964, Start Num: 56

Candidate Starts for Lars_33:

(26, 32654), (Start: 53 @32795 has 9 MA's), (Start: 56 @32801 has 333 MA's), (67, 32840), (77, 32870), (Start: 92 @32915 has 15 MA's), (112, 32960), (154, 33059), (185, 33119), (204, 33155), (214, 33179), (233, 33224), (235, 33230), (258, 33281), (280, 33320), (282, 33323), (287, 33335), (305, 33350), (328, 33374), (347, 33407), (367, 33488), (392, 33581), (401, 33617), (405, 33626), (409, 33632), (424, 33692), (481, 33857),

Gene: Larva_28 Start: 23878, Stop: 24942, Start Num: 88

Candidate Starts for Larva_28:

(Start: 88 @23878 has 91 MA's), (130, 23968), (144, 23998), (169, 24052), (172, 24058), (197, 24106), (218, 24145), (227, 24163), (229, 24166), (270, 24247), (294, 24295), (307, 24313), (368, 24454), (390, 24544), (391, 24547), (392, 24550), (399, 24583), (405, 24595), (433, 24682), (435, 24685), (467, 24781), (489, 24898),

Gene: LasagnaCat_33 Start: 32371, Stop: 33531, Start Num: 56

Candidate Starts for LasagnaCat_33:

(Start: 56 @32371 has 333 MA's), (Start: 92 @32482 has 15 MA's), (112, 32527), (154, 32626), (185, 32686), (204, 32722), (214, 32746), (233, 32791), (235, 32797), (258, 32848), (280, 32887), (282, 32890), (287, 32902), (328, 32941), (347, 32974), (367, 33055), (392, 33148), (401, 33184), (405, 33193), (409, 33199), (481, 33424),

Gene: Lasso_33 Start: 32344, Stop: 33504, Start Num: 56

Candidate Starts for Lasso_33:

(Start: 56 @32344 has 333 MA's), (Start: 92 @32455 has 15 MA's), (112, 32500), (154, 32599), (185, 32659), (204, 32695), (214, 32719), (233, 32764), (235, 32770), (258, 32821), (280, 32860), (282, 32863), (287, 32875), (305, 32890), (328, 32914), (347, 32947), (367, 33028), (377, 33073), (392, 33121), (401, 33157), (405, 33166), (409, 33172), (481, 33397),

Gene: LastJedi_19 Start: 20260, Stop: 21414, Start Num: 59

Candidate Starts for LastJedi_19:

(Start: 56 @20257 has 333 MA's), (Start: 59 @20260 has 54 MA's), (81, 20341), (Start: 103 @20389 has 4 MA's), (128, 20449), (131, 20458), (139, 20473), (149, 20497), (158, 20521), (165, 20533), (204, 20608), (208, 20617), (217, 20641), (230, 20671), (306, 20755), (308, 20758), (320, 20779), (367, 20938), (389, 21028), (392, 21037), (398, 21067), (409, 21088), (492, 21391),

Gene: Laurie_33 Start: 32132, Stop: 33340, Start Num: 50

Candidate Starts for Laurie_33:

(Start: 49 @32129 has 2 MA's), (Start: 50 @32132 has 6 MA's), (77, 32201), (105, 32270), (116, 32300), (122, 32312), (126, 32318), (127, 32321), (131, 32330), (148, 32369), (151, 32378), (155, 32390), (185, 32447), (190, 32456), (198, 32468), (201, 32474), (204, 32483), (224, 32528), (230, 32543), (249, 32588), (284, 32657), (292, 32672), (305, 32684), (320, 32708), (339, 32756), (342, 32762), (345, 32774), (349, 32798), (369, 32873), (373, 32903), (392, 32963), (394, 32975), (398, 32993), (427, 33092), (428, 33095), (467, 33200), (473, 33206), (483, 33272), (484, 33275),

Gene: LeBron_21 Start: 21711, Stop: 22886, Start Num: 54

Candidate Starts for LeBron_21:

(Start: 54 @21711 has 5 MA's), (Start: 56 @21714 has 333 MA's), (Start: 103 @21840 has 4 MA's), (119, 21882), (126, 21894), (127, 21897), (142, 21930), (147, 21942), (168, 21990), (175, 22008), (198, 22044), (204, 22059), (226, 22110), (237, 22140), (257, 22182), (272, 22206), (325, 22242), (327, 22248), (340, 22275), (345, 22293), (369, 22386), (370, 22389), (390, 22473), (430, 22611), (438, 22629), (467, 22713),

Gene: LeeLot_33 Start: 32375, Stop: 33535, Start Num: 56

Candidate Starts for LeeLot_33:

(Start: 56 @32375 has 333 MA's), (Start: 92 @32486 has 15 MA's), (112, 32531), (154, 32630), (185, 32690), (204, 32726), (214, 32750), (233, 32795), (235, 32801), (258, 32852), (280, 32891), (282, 32894), (287, 32906), (328, 32945), (347, 32978), (367, 33059), (377, 33104), (392, 33152), (401, 33188), (405, 33197), (409, 33203), (481, 33428),

Gene: Lego3393_33 Start: 32380, Stop: 33540, Start Num: 56

Candidate Starts for Lego3393_33:

(Start: 56 @32380 has 333 MA's), (Start: 92 @32491 has 15 MA's), (112, 32536), (154, 32635), (185, 32695), (204, 32731), (214, 32755), (233, 32800), (235, 32806), (258, 32857), (280, 32896), (282, 32899), (287, 32911), (305, 32926), (328, 32950), (347, 32983), (367, 33064), (377, 33109), (392, 33157), (401, 33193), (405, 33202), (409, 33208), (481, 33433),

Gene: Legolas_32 Start: 32085, Stop: 33245, Start Num: 56

Candidate Starts for Legolas_32:

(Start: 56 @32085 has 333 MA's), (Start: 92 @32196 has 15 MA's), (112, 32241), (154, 32340), (185, 32400), (204, 32436), (214, 32460), (233, 32505), (235, 32511), (258, 32562), (280, 32601), (282, 32604), (287, 32616), (328, 32655), (347, 32688), (367, 32769), (377, 32814), (392, 32862), (401, 32898), (405, 32907), (409, 32913), (481, 33138),

Gene: LeiMonet_33 Start: 32076, Stop: 33236, Start Num: 56

Candidate Starts for LeiMonet_33:

(Start: 56 @32076 has 333 MA's), (Start: 92 @32187 has 15 MA's), (112, 32232), (154, 32331), (185, 32391), (204, 32427), (214, 32451), (233, 32496), (235, 32502), (258, 32553), (280, 32592), (282, 32595), (287, 32607), (305, 32622), (328, 32646), (347, 32679), (367, 32760), (377, 32805), (392, 32853), (401, 32889), (405, 32898), (409, 32904), (481, 33129),

Gene: LemonSlice_33 Start: 32072, Stop: 33232, Start Num: 56

Candidate Starts for LemonSlice_33:

(Start: 56 @32072 has 333 MA's), (Start: 92 @32183 has 15 MA's), (112, 32228), (154, 32327), (185, 32387), (204, 32423), (214, 32447), (233, 32492), (235, 32498), (258, 32549), (280, 32588), (282, 32591), (287, 32603), (305, 32618), (328, 32642), (347, 32675), (367, 32756), (377, 32801), (392, 32849), (401, 32885), (405, 32894), (409, 32900), (481, 33125),

Gene: Lephleur_33 Start: 32688, Stop: 33857, Start Num: 53

Candidate Starts for Lephleur_33:

(26, 32547), (Start: 53 @32688 has 9 MA's), (Start: 56 @32694 has 333 MA's), (67, 32733), (77, 32763), (Start: 92 @32808 has 15 MA's), (112, 32853), (154, 32952), (185, 33012), (204, 33048), (214, 33072), (233, 33117), (235, 33123), (258, 33174), (280, 33213), (282, 33216), (287, 33228), (305, 33243), (328, 33267), (347, 33300), (367, 33381), (392, 33474), (401, 33510), (405, 33519), (409, 33525), (481, 33750),

Gene: Leston_27 Start: 24063, Stop: 25130, Start Num: 88

Candidate Starts for Leston_27:

(Start: 88 @24063 has 91 MA's), (143, 24180), (169, 24237), (193, 24285), (197, 24291), (227, 24348), (229, 24351), (234, 24366), (250, 24393), (270, 24432), (273, 24435), (278, 24447), (280, 24450), (282, 24453), (288, 24468), (320, 24513), (324, 24519), (349, 24573), (364, 24621), (370, 24651), (385, 24696), (418, 24825), (436, 24879),

Gene: LestyG_33 Start: 32223, Stop: 33425, Start Num: 58

Candidate Starts for LestyG_33:

(Start: 58 @32223 has 44 MA's), (67, 32256), (122, 32400), (127, 32409), (131, 32418), (148, 32457), (151, 32466), (158, 32484), (168, 32502), (175, 32520), (180, 32526), (187, 32538), (198, 32556), (204, 32571), (218, 32604), (230, 32631), (249, 32676), (290, 32757), (313, 32784), (324, 32802),

(330, 32820), (345, 32862), (349, 32886), (369, 32961), (373, 32991), (392, 33051), (394, 33063), (398, 33081), (428, 33183), (467, 33288), (473, 33294), (475, 33312), (491, 33399),

Gene: LilMcDreamy_28 Start: 31675, Stop: 32907, Start Num: 56

Candidate Starts for LilMcDreamy_28:

(4, 30913), (5, 30922), (7, 31042), (12, 31252), (Start: 56 @31675 has 333 MA's), (67, 31714), (Start: 70 @31720 has 4 MA's), (Start: 92 @31792 has 15 MA's), (139, 31897), (148, 31918), (174, 31978), (205, 32035), (223, 32077), (232, 32101), (257, 32158), (280, 32200), (292, 32224), (300, 32251), (329, 32329), (367, 32464), (369, 32470), (402, 32593), (423, 32653), (429, 32671), (444, 32707), (449, 32713), (460, 32737), (467, 32761),

Gene: LilSmirk_33 Start: 32688, Stop: 33851, Start Num: 56

Candidate Starts for LilSmirk_33:

(26, 32541), (Start: 53 @32682 has 9 MA's), (Start: 56 @32688 has 333 MA's), (67, 32727), (77, 32757), (Start: 92 @32802 has 15 MA's), (112, 32847), (154, 32946), (185, 33006), (204, 33042), (214, 33066), (233, 33111), (235, 33117), (258, 33168), (280, 33207), (282, 33210), (287, 33222), (305, 33237), (328, 33261), (347, 33294), (367, 33375), (392, 33468), (401, 33504), (405, 33513), (409, 33519), (481, 33744),

Gene: LilhomieP_30 Start: 26992, Stop: 28047, Start Num: 88

Candidate Starts for LilhomieP_30:

(Start: 88 @26992 has 91 MA's), (190, 27205), (212, 27241), (240, 27304), (280, 27376), (294, 27406), (309, 27427), (331, 27463), (349, 27499), (364, 27547), (367, 27568), (369, 27574), (373, 27604), (375, 27607), (389, 27655), (449, 27844), (459, 27865), (476, 27919),

Gene: LiyuLake_22 Start: 22229, Stop: 23428, Start Num: 56

Candidate Starts for LiyuLake_22:

(Start: 56 @22229 has 333 MA's), (90, 22331), (105, 22361), (110, 22370), (126, 22409), (131, 22421), (148, 22460), (163, 22496), (168, 22505), (186, 22541), (211, 22589), (271, 22721), (274, 22727), (310, 22796), (337, 22841), (345, 22865), (367, 22958), (373, 22994), (390, 23048), (394, 23066), (460, 23258), (487, 23366),

Gene: LizLemon_33 Start: 32810, Stop: 33973, Start Num: 56

Candidate Starts for LizLemon_33:

(26, 32663), (Start: 53 @32804 has 9 MA's), (Start: 56 @32810 has 333 MA's), (67, 32849), (77, 32879), (Start: 92 @32924 has 15 MA's), (112, 32969), (154, 33068), (185, 33128), (204, 33164), (214, 33188), (233, 33233), (235, 33239), (258, 33290), (280, 33329), (282, 33332), (287, 33344), (305, 33359), (328, 33383), (347, 33416), (367, 33497), (377, 33542), (392, 33590), (401, 33626), (405, 33635), (409, 33641), (481, 33866),

Gene: Lolalove_30 Start: 32616, Stop: 33773, Start Num: 59

Candidate Starts for Lolalove_30:

(Start: 59 @32616 has 54 MA's), (84, 32709), (Start: 92 @32724 has 15 MA's), (98, 32739), (105, 32751), (112, 32769), (174, 32910), (180, 32919), (190, 32937), (204, 32964), (215, 32979), (218, 32985), (222, 32991), (224, 32997), (239, 33024), (243, 33033), (262, 33066), (286, 33099), (324, 33153), (326, 33159), (337, 33189), (345, 33195), (348, 33216), (355, 33240), (368, 33294), (369, 33297), (409, 33441), (456, 33594),

Gene: Lollipop1437_50 Start: 36962, Stop: 38023, Start Num: 125

Candidate Starts for Lollipop1437_50:

(Start: 125 @36962 has 17 MA's), (211, 37148), (294, 37334), (296, 37337), (369, 37547),

Gene: Lolly9_22 Start: 22045, Stop: 23244, Start Num: 56

Candidate Starts for Lolly9_22:

(Start: 56 @22045 has 333 MA's), (62, 22072), (97, 22159), (105, 22177), (110, 22186), (126, 22225), (148, 22276), (149, 22279), (168, 22321), (181, 22351), (186, 22357), (189, 22363), (211, 22405), (263, 22525), (271, 22537), (274, 22543), (345, 22681), (367, 22774), (373, 22810), (390, 22864), (394, 22882), (460, 23074), (487, 23182),

Gene: Longacauda_32 Start: 32077, Stop: 33237, Start Num: 56

Candidate Starts for Longacauda_32:

(Start: 56 @32077 has 333 MA's), (Start: 92 @32188 has 15 MA's), (112, 32233), (154, 32332), (185, 32392), (204, 32428), (214, 32452), (233, 32497), (235, 32503), (258, 32554), (280, 32593), (282, 32596), (287, 32608), (305, 32623), (328, 32647), (347, 32680), (367, 32761), (377, 32806), (392, 32854), (401, 32890), (405, 32899), (409, 32905), (481, 33130),

Gene: Lopsy_32 Start: 31927, Stop: 33087, Start Num: 56

Candidate Starts for Lopsy_32:

(Start: 56 @31927 has 333 MA's), (Start: 92 @32038 has 15 MA's), (112, 32083), (154, 32182), (185, 32242), (204, 32278), (214, 32302), (233, 32347), (235, 32353), (258, 32404), (280, 32443), (282, 32446), (287, 32458), (328, 32497), (347, 32530), (367, 32611), (377, 32656), (392, 32704), (401, 32740), (405, 32749), (409, 32755), (481, 32980),

Gene: LostAndPhound_32 Start: 32078, Stop: 33238, Start Num: 56

Candidate Starts for LostAndPhound_32:

(Start: 56 @32078 has 333 MA's), (Start: 92 @32189 has 15 MA's), (112, 32234), (154, 32333), (185, 32393), (204, 32429), (214, 32453), (233, 32498), (235, 32504), (258, 32555), (280, 32594), (282, 32597), (287, 32609), (328, 32648), (347, 32681), (367, 32762), (392, 32855), (401, 32891), (405, 32900), (409, 32906), (481, 33131),

Gene: Luchador_34 Start: 25731, Stop: 26627, Start Num: 56

Candidate Starts for Luchador_34:

(Start: 56 @25731 has 333 MA's), (122, 25905), (139, 25941), (148, 25962), (173, 26016), (175, 26025), (242, 26157), (392, 26493), (405, 26523),

Gene: LuckyLeo_32 Start: 28919, Stop: 29908, Start Num: 114

Candidate Starts for LuckyLeo_32:

(Start: 86 @28862 has 7 MA's), (Start: 114 @28919 has 1 MA's), (154, 29009), (158, 29018), (161, 29024), (166, 29033), (192, 29087), (288, 29285), (331, 29351), (346, 29363), (364, 29432), (398, 29573), (435, 29681),

Gene: LuckyMarjie_32 Start: 32087, Stop: 33247, Start Num: 56

Candidate Starts for LuckyMarjie_32:

(Start: 56 @32087 has 333 MA's), (Start: 92 @32198 has 15 MA's), (112, 32243), (154, 32342), (185, 32402), (204, 32438), (214, 32462), (233, 32507), (235, 32513), (258, 32564), (280, 32603), (282, 32606), (287, 32618), (305, 32633), (328, 32657), (347, 32690), (367, 32771), (377, 32816), (392, 32864), (401, 32900), (405, 32909), (409, 32915), (481, 33140),

Gene: Lulumae_32 Start: 32069, Stop: 33229, Start Num: 56

Candidate Starts for Lulumae_32:

(Start: 56 @32069 has 333 MA's), (Start: 92 @32180 has 15 MA's), (112, 32225), (154, 32324), (185, 32384), (204, 32420), (214, 32444), (233, 32489), (235, 32495), (258, 32546), (280, 32585), (282, 32588), (287, 32600), (305, 32615), (328, 32639), (347, 32672), (367, 32753), (377, 32798), (392, 32846), (401, 32882), (405, 32891), (409, 32897), (481, 33122),

Gene: Lulwa_33 Start: 32356, Stop: 33516, Start Num: 56

Candidate Starts for Lulwa_33:

(Start: 56 @32356 has 333 MA's), (Start: 92 @32467 has 15 MA's), (112, 32512), (154, 32611), (185, 32671), (204, 32707), (214, 32731), (233, 32776), (235, 32782), (258, 32833), (280, 32872), (282, 32875), (287, 32887), (305, 32902), (328, 32926), (347, 32959), (367, 33040), (377, 33085), (392, 33133), (401, 33169), (405, 33178), (409, 33184), (481, 33409),

Gene: Lumine_32 Start: 32065, Stop: 33225, Start Num: 56

Candidate Starts for Lumine_32:

(Start: 56 @32065 has 333 MA's), (Start: 92 @32176 has 15 MA's), (112, 32221), (154, 32320), (185, 32380), (204, 32416), (214, 32440), (233, 32485), (235, 32491), (258, 32542), (280, 32581), (282, 32584), (287, 32596), (305, 32611), (328, 32635), (347, 32668), (367, 32749), (377, 32794), (392, 32842), (401, 32878), (405, 32887), (409, 32893), (481, 33118),

Gene: Lumos_22 Start: 22244, Stop: 23461, Start Num: 56

Candidate Starts for Lumos_22:

(Start: 56 @22244 has 333 MA's), (90, 22346), (97, 22358), (105, 22376), (110, 22385), (126, 22424), (142, 22460), (148, 22475), (150, 22481), (163, 22511), (165, 22514), (181, 22550), (189, 22562), (214, 22613), (215, 22616), (240, 22676), (253, 22703), (260, 22718), (263, 22724), (271, 22736), (301, 22796), (316, 22820), (345, 22880), (368, 22976), (373, 23009), (394, 23081), (401, 23105), (477, 23333), (479, 23345),

Gene: MAckerman_21 Start: 21688, Stop: 22860, Start Num: 56

Candidate Starts for MAckerman_21:

(Start: 54 @21685 has 5 MA's), (Start: 56 @21688 has 333 MA's), (Start: 103 @21814 has 4 MA's), (119, 21856), (126, 21868), (127, 21871), (142, 21904), (147, 21916), (168, 21964), (175, 21982), (198, 22018), (204, 22033), (226, 22084), (237, 22114), (257, 22156), (272, 22180), (325, 22216), (327, 22222), (340, 22249), (345, 22267), (369, 22360), (370, 22363), (390, 22447), (430, 22585), (438, 22603), (467, 22687),

Gene: MRabcd_32 Start: 32069, Stop: 33229, Start Num: 56

Candidate Starts for MRabcd_32:

(Start: 56 @32069 has 333 MA's), (Start: 92 @32180 has 15 MA's), (112, 32225), (154, 32324), (185, 32384), (204, 32420), (214, 32444), (233, 32489), (235, 32495), (258, 32546), (280, 32585), (282, 32588), (287, 32600), (305, 32615), (328, 32639), (347, 32672), (367, 32753), (377, 32798), (392, 32846), (401, 32882), (405, 32891), (409, 32897), (481, 33122),

Gene: Madruga_36 Start: 31712, Stop: 32752, Start Num: 103

Candidate Starts for Madruga_36:

(Start: 103 @31712 has 4 MA's), (135, 31790), (170, 31868), (264, 32081), (269, 32087), (327, 32165), (364, 32258), (369, 32285),

Gene: Mag7_32 Start: 31975, Stop: 33135, Start Num: 56

Candidate Starts for Mag7_32:

(Start: 56 @31975 has 333 MA's), (Start: 92 @32086 has 15 MA's), (112, 32131), (154, 32230), (185, 32290), (204, 32326), (214, 32350), (233, 32395), (235, 32401), (258, 32452), (280, 32491), (282, 32494), (287, 32506), (328, 32545), (347, 32578), (367, 32659), (392, 32752), (401, 32788), (405, 32797), (409, 32803), (481, 33028),

Gene: Magic8_33 Start: 32410, Stop: 33570, Start Num: 56

Candidate Starts for Magic8_33:

(Start: 56 @32410 has 333 MA's), (Start: 92 @32521 has 15 MA's), (112, 32566), (154, 32665), (185, 32725), (204, 32761), (214, 32785), (233, 32830), (235, 32836), (258, 32887), (280, 32926), (282, 32929), (287, 32941), (305, 32956), (328, 32980), (347, 33013), (367, 33094), (377, 33139), (392,

33187), (401, 33223), (405, 33232), (409, 33238), (481, 33463),

Gene: Magpie_29 Start: 32448, Stop: 33605, Start Num: 59

Candidate Starts for Magpie_29:

(Start: 59 @32448 has 54 MA's), (84, 32541), (Start: 92 @32556 has 15 MA's), (98, 32571), (105, 32583), (112, 32601), (151, 32691), (174, 32742), (180, 32751), (182, 32757), (190, 32769), (204, 32796), (215, 32811), (218, 32817), (222, 32823), (239, 32856), (243, 32865), (262, 32898), (286, 32931), (337, 33021), (345, 33027), (368, 33126), (369, 33129), (409, 33273), (456, 33426),

Gene: Majeke_22 Start: 21305, Stop: 22342, Start Num: 88

Candidate Starts for Majeke_22:

(81, 21281), (Start: 86 @21302 has 7 MA's), (Start: 88 @21305 has 91 MA's), (102, 21329), (161, 21467), (184, 21509), (222, 21578), (250, 21638), (273, 21683), (294, 21728), (347, 21809), (364, 21866), (368, 21890), (394, 21995), (415, 22067), (434, 22112), (486, 22277),

Gene: MakCheese_24 Start: 21714, Stop: 22658, Start Num: 138

Candidate Starts for MakCheese_24:

(84, 21606), (138, 21714), (203, 21855), (232, 21927), (250, 21960), (349, 22134), (361, 22173), (364, 22182), (394, 22305), (405, 22338), (426, 22410), (441, 22458), (442, 22461), (467, 22524),

Gene: MalagasyRose_28 Start: 22698, Stop: 23777, Start Num: 88

Candidate Starts for MalagasyRose_28:

(Start: 88 @22698 has 91 MA's), (101, 22719), (140, 22812), (156, 22854), (158, 22857), (169, 22872), (197, 22926), (212, 22947), (218, 22965), (250, 23028), (259, 23049), (282, 23088), (294, 23115), (307, 23133), (349, 23211), (355, 23229), (409, 23424), (425, 23484), (470, 23607),

Gene: Malithi_22 Start: 21221, Stop: 22261, Start Num: 86

Candidate Starts for Malithi_22:

(81, 21200), (Start: 86 @21221 has 7 MA's), (Start: 88 @21224 has 91 MA's), (102, 21248), (161, 21386), (184, 21428), (222, 21497), (250, 21557), (273, 21602), (294, 21647), (347, 21728), (364, 21785), (368, 21809), (394, 21914), (415, 21986), (434, 22031), (486, 22196),

Gene: Mana_32 Start: 32084, Stop: 33244, Start Num: 56

Candidate Starts for Mana_32:

(Start: 56 @32084 has 333 MA's), (Start: 92 @32195 has 15 MA's), (112, 32240), (154, 32339), (185, 32399), (204, 32435), (214, 32459), (233, 32504), (235, 32510), (258, 32561), (280, 32600), (282, 32603), (287, 32615), (305, 32630), (328, 32654), (347, 32687), (367, 32768), (377, 32813), (392, 32861), (401, 32897), (405, 32906), (409, 32912), (481, 33137),

Gene: Manad_32 Start: 31926, Stop: 33086, Start Num: 56

Candidate Starts for Manad_32:

(Start: 56 @31926 has 333 MA's), (Start: 92 @32037 has 15 MA's), (112, 32082), (154, 32181), (185, 32241), (204, 32277), (214, 32301), (233, 32346), (235, 32352), (258, 32403), (280, 32442), (282, 32445), (287, 32457), (328, 32496), (347, 32529), (367, 32610), (377, 32655), (392, 32703), (401, 32739), (405, 32748), (409, 32754), (481, 32979),

Gene: Mangethe_22 Start: 21305, Stop: 22342, Start Num: 88

Candidate Starts for Mangethe_22:

(81, 21281), (Start: 86 @21302 has 7 MA's), (Start: 88 @21305 has 91 MA's), (102, 21329), (161, 21467), (184, 21509), (222, 21578), (250, 21638), (273, 21683), (294, 21728), (347, 21809), (364, 21866), (368, 21890), (394, 21995), (415, 22067), (434, 22112), (486, 22277),

Gene: Mao1_27 Start: 28750, Stop: 29910, Start Num: 56

Candidate Starts for Mao1_27:

(Start: 56 @28750 has 333 MA's), (66, 28786), (77, 28819), (Start: 92 @28864 has 15 MA's), (112, 28909), (113, 28912), (204, 29104), (214, 29128), (217, 29134), (235, 29179), (236, 29182), (258, 29230), (292, 29293), (293, 29296), (330, 29329), (361, 29404), (367, 29434), (398, 29557), (402, 29566), (405, 29572), (494, 29893),

Gene: Marley1013_33 Start: 33001, Stop: 34203, Start Num: 58

Candidate Starts for Marley1013_33:

(Start: 58 @33001 has 44 MA's), (67, 33034), (122, 33178), (127, 33187), (131, 33196), (148, 33235), (151, 33244), (158, 33262), (168, 33280), (175, 33298), (180, 33304), (187, 33316), (198, 33334), (204, 33349), (218, 33382), (230, 33409), (249, 33454), (290, 33535), (313, 33562), (324, 33580), (330, 33598), (345, 33640), (349, 33664), (369, 33739), (373, 33769), (392, 33829), (394, 33841), (398, 33859), (428, 33961), (467, 34066), (473, 34072), (475, 34090), (491, 34177),

Gene: Maru_32 Start: 32027, Stop: 33187, Start Num: 56

Candidate Starts for Maru_32:

(Start: 56 @32027 has 333 MA's), (Start: 92 @32138 has 15 MA's), (112, 32183), (154, 32282), (185, 32342), (204, 32378), (214, 32402), (233, 32447), (235, 32453), (258, 32504), (280, 32543), (282, 32546), (287, 32558), (305, 32573), (328, 32597), (347, 32630), (367, 32711), (377, 32756), (392, 32804), (401, 32840), (405, 32849), (409, 32855), (481, 33080),

Gene: Mask_28 Start: 28743, Stop: 29903, Start Num: 56

Candidate Starts for Mask_28:

(Start: 56 @28743 has 333 MA's), (66, 28779), (77, 28812), (Start: 92 @28857 has 15 MA's), (112, 28902), (113, 28905), (204, 29097), (214, 29121), (217, 29127), (231, 29160), (233, 29166), (235, 29172), (236, 29175), (258, 29223), (292, 29286), (293, 29289), (330, 29322), (361, 29397), (367, 29427), (398, 29550), (402, 29559), (405, 29565),

Gene: Maskar_32 Start: 31924, Stop: 33084, Start Num: 56

Candidate Starts for Maskar_32:

(Start: 56 @31924 has 333 MA's), (Start: 92 @32035 has 15 MA's), (112, 32080), (154, 32179), (185, 32239), (204, 32275), (214, 32299), (233, 32344), (235, 32350), (258, 32401), (280, 32440), (282, 32443), (287, 32455), (305, 32470), (328, 32494), (347, 32527), (367, 32608), (377, 32653), (392, 32701), (401, 32737), (405, 32746), (409, 32752), (481, 32977),

Gene: MasterPo_33 Start: 32691, Stop: 33860, Start Num: 53

Candidate Starts for MasterPo_33:

(Start: 53 @32691 has 9 MA's), (Start: 56 @32697 has 333 MA's), (67, 32736), (77, 32766), (Start: 92 @32811 has 15 MA's), (112, 32856), (154, 32955), (185, 33015), (204, 33051), (214, 33075), (233, 33120), (235, 33126), (258, 33177), (280, 33216), (282, 33219), (287, 33231), (305, 33246), (328, 33270), (347, 33303), (367, 33384), (377, 33429), (392, 33477), (401, 33513), (405, 33522), (409, 33528), (481, 33753),

Gene: Matalotodo_33 Start: 32370, Stop: 33530, Start Num: 56

Candidate Starts for Matalotodo_33:

(Start: 56 @32370 has 333 MA's), (Start: 92 @32481 has 15 MA's), (112, 32526), (154, 32625), (185, 32685), (204, 32721), (214, 32745), (233, 32790), (235, 32796), (258, 32847), (280, 32886), (282, 32889), (287, 32901), (305, 32916), (328, 32940), (347, 32973), (367, 33054), (377, 33099), (392, 33147), (401, 33183), (405, 33192), (409, 33198), (481, 33423),

Gene: Mcshane_32 Start: 32067, Stop: 33227, Start Num: 56

Candidate Starts for Mcshane_32:

(Start: 56 @32067 has 333 MA's), (Start: 92 @32178 has 15 MA's), (112, 32223), (154, 32322), (185, 32382), (204, 32418), (214, 32442), (233, 32487), (235, 32493), (258, 32544), (280, 32583), (282, 32586), (287, 32598), (305, 32613), (328, 32637), (347, 32670), (367, 32751), (377, 32796), (392, 32844), (401, 32880), (405, 32889), (409, 32895), (481, 33120),

Gene: Mecca_32 Start: 32070, Stop: 33230, Start Num: 56

Candidate Starts for Mecca_32:

(Start: 56 @32070 has 333 MA's), (Start: 92 @32181 has 15 MA's), (112, 32226), (154, 32325), (185, 32385), (204, 32421), (214, 32445), (233, 32490), (235, 32496), (258, 32547), (280, 32586), (282, 32589), (287, 32601), (305, 32616), (328, 32640), (347, 32673), (367, 32754), (377, 32799), (392, 32847), (401, 32883), (405, 32892), (409, 32898), (481, 33123),

Gene: Megabear_25 Start: 29324, Stop: 30529, Start Num: 50

Candidate Starts for Megabear_25:

(Start: 49 @29321 has 2 MA's), (Start: 50 @29324 has 6 MA's), (77, 29393), (105, 29462), (116, 29492), (122, 29504), (126, 29510), (127, 29513), (131, 29522), (148, 29561), (151, 29570), (155, 29582), (185, 29639), (190, 29648), (198, 29660), (204, 29675), (224, 29720), (230, 29735), (249, 29780), (284, 29849), (305, 29876), (320, 29900), (338, 29945), (345, 29966), (349, 29990), (369, 30065), (373, 30095), (392, 30155), (394, 30167), (398, 30185), (428, 30287), (473, 30398), (475, 30416), (484, 30467), (491, 30503),

Gene: Megamind20_33 Start: 32092, Stop: 33252, Start Num: 56

Candidate Starts for Megamind20_33:

(Start: 56 @32092 has 333 MA's), (Start: 92 @32203 has 15 MA's), (112, 32248), (154, 32347), (185, 32407), (204, 32443), (214, 32467), (233, 32512), (235, 32518), (258, 32569), (280, 32608), (282, 32611), (287, 32623), (305, 32638), (328, 32662), (347, 32695), (367, 32776), (377, 32821), (392, 32869), (401, 32905), (405, 32914), (409, 32920), (481, 33145),

Gene: Megatron_33 Start: 32368, Stop: 33528, Start Num: 56

Candidate Starts for Megatron_33:

(Start: 56 @32368 has 333 MA's), (Start: 92 @32479 has 15 MA's), (112, 32524), (154, 32623), (185, 32683), (204, 32719), (214, 32743), (233, 32788), (235, 32794), (258, 32845), (280, 32884), (282, 32887), (287, 32899), (328, 32938), (347, 32971), (367, 33052), (377, 33097), (392, 33145), (401, 33181), (405, 33190), (409, 33196), (481, 33421),

Gene: Megiddo_22 Start: 21561, Stop: 22601, Start Num: 85

Candidate Starts for Megiddo_22:

(Start: 85 @21561 has 8 MA's), (158, 21720), (161, 21726), (184, 21768), (219, 21834), (222, 21837), (250, 21897), (273, 21942), (294, 21987), (347, 22068), (364, 22125), (368, 22149), (394, 22254), (415, 22326), (434, 22371),

Gene: Melc17_33 Start: 32365, Stop: 33525, Start Num: 56

Candidate Starts for Melc17_33:

(Start: 56 @32365 has 333 MA's), (Start: 92 @32476 has 15 MA's), (112, 32521), (154, 32620), (185, 32680), (204, 32716), (214, 32740), (233, 32785), (235, 32791), (258, 32842), (280, 32881), (282, 32884), (287, 32896), (328, 32935), (347, 32968), (367, 33049), (392, 33142), (401, 33178), (405, 33187), (409, 33193), (481, 33418),

Gene: MelsMeow_32 Start: 31973, Stop: 33133, Start Num: 56

Candidate Starts for MelsMeow_32:

(Start: 56 @31973 has 333 MA's), (Start: 92 @32084 has 15 MA's), (112, 32129), (154, 32228), (185, 32288), (204, 32324), (214, 32348), (233, 32393), (235, 32399), (258, 32450), (280, 32489), (282, 32492), (287, 32504), (305, 32519), (328, 32543), (347, 32576), (367, 32657), (377, 32702), (392,

32750), (401, 32786), (405, 32795), (409, 32801), (481, 33026),

Gene: MerCougar_46 Start: 36238, Stop: 37293, Start Num: 125

Candidate Starts for MerCougar_46:

(100, 36175), (Start: 125 @36238 has 17 MA's), (223, 36451), (296, 36610), (307, 36634), (394, 36922), (486, 37222), (492, 37267),

Gene: Mesh1_33 Start: 32382, Stop: 33542, Start Num: 56

Candidate Starts for Mesh1_33:

(Start: 56 @32382 has 333 MA's), (Start: 92 @32493 has 15 MA's), (112, 32538), (154, 32637), (185, 32697), (204, 32733), (214, 32757), (233, 32802), (235, 32808), (258, 32859), (280, 32898), (282, 32901), (287, 32913), (305, 32928), (328, 32952), (347, 32985), (367, 33066), (377, 33111), (392, 33159), (401, 33195), (405, 33204), (409, 33210), (481, 33435),

Gene: Mesmerelda_33 Start: 32080, Stop: 33240, Start Num: 56

Candidate Starts for Mesmerelda_33:

(Start: 56 @32080 has 333 MA's), (Start: 92 @32191 has 15 MA's), (112, 32236), (154, 32335), (185, 32395), (204, 32431), (214, 32455), (233, 32500), (235, 32506), (258, 32557), (280, 32596), (282, 32599), (287, 32611), (305, 32626), (328, 32650), (347, 32683), (367, 32764), (377, 32809), (392, 32857), (401, 32893), (405, 32902), (409, 32908), (481, 33133),

Gene: Meyran_29 Start: 27126, Stop: 28187, Start Num: 104

Candidate Starts for Meyran_29:

(Start: 88 @27099 has 91 MA's), (Start: 104 @27126 has 1 MA's), (183, 27309), (254, 27456), (320, 27561), (356, 27642), (364, 27669), (366, 27684), (382, 27747), (394, 27807), (475, 28044),

Gene: MichaelPhcott_32 Start: 31972, Stop: 33132, Start Num: 56

Candidate Starts for MichaelPhcott_32:

(Start: 56 @31972 has 333 MA's), (Start: 92 @32083 has 15 MA's), (112, 32128), (154, 32227), (185, 32287), (204, 32323), (214, 32347), (233, 32392), (235, 32398), (258, 32449), (280, 32488), (282, 32491), (287, 32503), (328, 32542), (347, 32575), (367, 32656), (392, 32749), (401, 32785), (405, 32794), (409, 32800), (481, 33025),

Gene: MichelleMyBell_22 Start: 20029, Stop: 21114, Start Num: 88

Candidate Starts for MichelleMyBell_22:

(71, 19963), (Start: 88 @20029 has 91 MA's), (161, 20191), (222, 20302), (250, 20362), (273, 20407), (347, 20533), (349, 20542), (364, 20590),

Gene: Mikota_33 Start: 32355, Stop: 33515, Start Num: 56

Candidate Starts for Mikota_33:

(Start: 56 @32355 has 333 MA's), (Start: 92 @32466 has 15 MA's), (112, 32511), (154, 32610), (185, 32670), (204, 32706), (214, 32730), (233, 32775), (235, 32781), (258, 32832), (280, 32871), (282, 32874), (287, 32886), (305, 32901), (328, 32925), (347, 32958), (367, 33039), (377, 33084), (392, 33132), (401, 33168), (405, 33177), (409, 33183), (481, 33408),

Gene: MilanaBonita_20 Start: 20281, Stop: 21492, Start Num: 59

Candidate Starts for MilanaBonita_20:

(Start: 59 @20281 has 54 MA's), (63, 20305), (81, 20362), (Start: 103 @20410 has 4 MA's), (128, 20470), (131, 20479), (139, 20494), (149, 20518), (158, 20542), (165, 20554), (181, 20590), (204, 20629), (208, 20638), (217, 20662), (230, 20692), (280, 20776), (282, 20779), (291, 20800), (306, 20836), (308, 20839), (320, 20860), (336, 20902), (367, 21019), (374, 21055), (376, 21061), (409, 21166), (429, 21247),

Gene: Mima20_34 Start: 29318, Stop: 30292, Start Num: 121

Candidate Starts for Mima20_34:

(Start: 86 @29243 has 7 MA's), (121, 29318), (143, 29357), (150, 29378), (183, 29453), (192, 29468), (219, 29531), (250, 29591), (305, 29693), (393, 29927), (435, 30062), (467, 30155),

Gene: MiniBoss_33 Start: 32361, Stop: 33521, Start Num: 56

Candidate Starts for MiniBoss_33:

(Start: 56 @32361 has 333 MA's), (Start: 92 @32472 has 15 MA's), (112, 32517), (154, 32616), (185, 32676), (204, 32712), (214, 32736), (233, 32781), (235, 32787), (258, 32838), (280, 32877), (282, 32880), (287, 32892), (305, 32907), (328, 32931), (347, 32964), (367, 33045), (377, 33090), (392, 33138), (401, 33174), (405, 33183), (409, 33189), (481, 33414),

Gene: MiniLon_22 Start: 22045, Stop: 23244, Start Num: 56

Candidate Starts for MiniLon_22:

(Start: 56 @22045 has 333 MA's), (62, 22072), (97, 22159), (105, 22177), (110, 22186), (126, 22225), (148, 22276), (149, 22279), (168, 22321), (181, 22351), (186, 22357), (189, 22363), (211, 22405), (263, 22525), (271, 22537), (274, 22543), (345, 22681), (367, 22774), (373, 22810), (390, 22864), (394, 22882), (460, 23074), (487, 23182),

Gene: MiniMac_22 Start: 22046, Stop: 23245, Start Num: 56

Candidate Starts for MiniMac_22:

(Start: 56 @22046 has 333 MA's), (62, 22073), (97, 22160), (105, 22178), (126, 22226), (148, 22277), (149, 22280), (168, 22322), (181, 22352), (186, 22358), (189, 22364), (211, 22406), (263, 22526), (271, 22538), (274, 22544), (345, 22682), (367, 22775), (373, 22811), (390, 22865), (394, 22883), (460, 23075), (487, 23183),

Gene: Miryou_27 Start: 23918, Stop: 24985, Start Num: 88

Candidate Starts for Miryou_27:

(Start: 88 @23918 has 91 MA's), (143, 24035), (169, 24092), (193, 24140), (197, 24146), (227, 24203), (229, 24206), (234, 24221), (250, 24248), (270, 24287), (273, 24290), (278, 24302), (280, 24305), (282, 24308), (288, 24323), (320, 24368), (324, 24374), (349, 24428), (364, 24476), (370, 24506), (385, 24551), (418, 24680), (436, 24734),

Gene: MitKao_33 Start: 32076, Stop: 33236, Start Num: 56

Candidate Starts for MitKao_33:

(Start: 56 @32076 has 333 MA's), (Start: 92 @32187 has 15 MA's), (112, 32232), (154, 32331), (185, 32391), (204, 32427), (214, 32451), (233, 32496), (235, 32502), (258, 32553), (280, 32592), (282, 32595), (287, 32607), (328, 32646), (347, 32679), (367, 32760), (392, 32853), (401, 32889), (405, 32898), (409, 32904), (481, 33129),

Gene: Mithril_30 Start: 32620, Stop: 33777, Start Num: 59

Candidate Starts for Mithril_30:

(Start: 59 @32620 has 54 MA's), (84, 32713), (Start: 92 @32728 has 15 MA's), (98, 32743), (105, 32755), (112, 32773), (132, 32815), (174, 32914), (180, 32923), (190, 32941), (204, 32968), (215, 32983), (218, 32989), (222, 32995), (224, 33001), (239, 33028), (243, 33037), (262, 33070), (286, 33103), (326, 33163), (337, 33193), (345, 33199), (355, 33244), (368, 33298), (369, 33301), (409, 33445), (456, 33598),

Gene: MmasiCarm_33 Start: 32205, Stop: 33407, Start Num: 58

Candidate Starts for MmasiCarm_33:

(Start: 58 @32205 has 44 MA's), (67, 32238), (122, 32382), (127, 32391), (131, 32400), (148, 32439), (151, 32448), (158, 32466), (185, 32517), (190, 32526), (198, 32538), (201, 32544), (204, 32553), (224, 32598), (230, 32613), (249, 32658), (284, 32727), (292, 32742), (305, 32754), (320, 32778),

(339, 32826), (342, 32832), (343, 32838), (345, 32844), (349, 32868), (369, 32943), (373, 32973), (392, 33033), (394, 33045), (398, 33063), (428, 33165), (467, 33270), (473, 33276), (475, 33294), (491, 33381),

Gene: Moostard_22 Start: 22250, Stop: 23467, Start Num: 56

Candidate Starts for Moostard_22:

(Start: 56 @22250 has 333 MA's), (90, 22352), (97, 22364), (105, 22382), (110, 22391), (126, 22430), (142, 22466), (148, 22481), (150, 22487), (163, 22517), (165, 22520), (181, 22556), (189, 22568), (214, 22619), (215, 22622), (240, 22682), (253, 22709), (260, 22724), (263, 22730), (271, 22742), (301, 22802), (316, 22826), (345, 22886), (368, 22982), (373, 23015), (394, 23087), (401, 23111), (409, 23126), (477, 23339), (479, 23351),

Gene: Morgushi_33 Start: 32077, Stop: 33237, Start Num: 56

Candidate Starts for Morgushi_33:

(Start: 56 @32077 has 333 MA's), (Start: 92 @32188 has 15 MA's), (112, 32233), (154, 32332), (185, 32392), (204, 32428), (214, 32452), (233, 32497), (235, 32503), (258, 32554), (280, 32593), (282, 32596), (287, 32608), (328, 32647), (347, 32680), (367, 32761), (377, 32806), (392, 32854), (401, 32890), (405, 32899), (409, 32905), (481, 33130),

Gene: Mortcellus_32 Start: 32857, Stop: 34059, Start Num: 58

Candidate Starts for Mortcellus_32:

(Start: 58 @32857 has 44 MA's), (67, 32890), (122, 33034), (127, 33043), (131, 33052), (148, 33091), (151, 33100), (158, 33118), (168, 33136), (175, 33154), (180, 33160), (187, 33172), (204, 33205), (224, 33250), (230, 33265), (249, 33310), (290, 33391), (313, 33418), (324, 33436), (330, 33454), (345, 33496), (349, 33520), (369, 33595), (373, 33625), (392, 33685), (394, 33697), (398, 33715), (428, 33817), (467, 33922), (473, 33928), (475, 33946), (491, 34033),

Gene: Morty_33 Start: 32377, Stop: 33537, Start Num: 56

Candidate Starts for Morty_33:

(Start: 56 @32377 has 333 MA's), (Start: 92 @32488 has 15 MA's), (112, 32533), (154, 32632), (185, 32692), (204, 32728), (214, 32752), (233, 32797), (235, 32803), (258, 32854), (280, 32893), (282, 32896), (287, 32908), (328, 32947), (347, 32980), (367, 33061), (377, 33106), (392, 33154), (401, 33190), (405, 33199), (409, 33205), (481, 33430),

Gene: Morty007_33 Start: 33001, Stop: 34203, Start Num: 58

Candidate Starts for Morty007_33:

(Start: 58 @33001 has 44 MA's), (67, 33034), (122, 33178), (127, 33187), (131, 33196), (148, 33235), (151, 33244), (158, 33262), (168, 33280), (175, 33298), (180, 33304), (187, 33316), (198, 33334), (204, 33349), (218, 33382), (230, 33409), (249, 33454), (290, 33535), (313, 33562), (324, 33580), (330, 33598), (345, 33640), (349, 33664), (369, 33739), (373, 33769), (392, 33829), (394, 33841), (398, 33859), (428, 33961), (467, 34066), (473, 34072), (475, 34090), (491, 34177),

Gene: Mosaic_32 Start: 32082, Stop: 33242, Start Num: 56

Candidate Starts for Mosaic_32:

(Start: 56 @32082 has 333 MA's), (Start: 92 @32193 has 15 MA's), (112, 32238), (154, 32337), (185, 32397), (204, 32433), (214, 32457), (233, 32502), (235, 32508), (258, 32559), (280, 32598), (282, 32601), (287, 32613), (328, 32652), (347, 32685), (367, 32766), (392, 32859), (401, 32895), (405, 32904), (409, 32910), (481, 33135),

Gene: MrPhizzler_32 Start: 32085, Stop: 33245, Start Num: 56

Candidate Starts for MrPhizzler_32:

(Start: 56 @32085 has 333 MA's), (Start: 92 @32196 has 15 MA's), (112, 32241), (154, 32340), (185, 32400), (204, 32436), (214, 32460), (233, 32505), (235, 32511), (258, 32562), (280, 32601), (282,

32604), (287, 32616), (305, 32631), (328, 32655), (347, 32688), (367, 32769), (377, 32814), (392, 32862), (401, 32898), (405, 32907), (409, 32913), (481, 33138),

Gene: Ms6_19 Start: 19730, Stop: 20884, Start Num: 59

Candidate Starts for Ms6_19:

(18, 19493), (22, 19535), (27, 19565), (29, 19595), (38, 19655), (48, 19709), (Start: 59 @19730 has 54 MA's), (81, 19811), (Start: 103 @19859 has 4 MA's), (128, 19919), (131, 19928), (139, 19943), (149, 19967), (158, 19991), (165, 20003), (204, 20078), (208, 20087), (217, 20111), (230, 20141), (306, 20225), (308, 20228), (320, 20249), (367, 20408), (389, 20498), (392, 20507), (398, 20537), (409, 20558), (492, 20861),

Gene: MsGreen_22 Start: 22247, Stop: 23464, Start Num: 56

Candidate Starts for MsGreen_22:

(Start: 56 @22247 has 333 MA's), (90, 22349), (97, 22361), (105, 22379), (110, 22388), (126, 22427), (142, 22463), (148, 22478), (150, 22484), (163, 22514), (165, 22517), (181, 22553), (189, 22565), (214, 22616), (215, 22619), (240, 22679), (253, 22706), (260, 22721), (263, 22727), (271, 22739), (301, 22799), (316, 22823), (345, 22883), (368, 22979), (373, 23012), (394, 23084), (401, 23108), (477, 23336), (479, 23348),

Gene: Mudslide_30 Start: 32852, Stop: 34009, Start Num: 59

Candidate Starts for Mudslide_30:

(Start: 59 @32852 has 54 MA's), (84, 32945), (Start: 92 @32960 has 15 MA's), (98, 32975), (105, 32987), (112, 33005), (132, 33047), (151, 33095), (174, 33146), (180, 33155), (190, 33173), (204, 33200), (215, 33215), (218, 33221), (222, 33227), (224, 33233), (239, 33260), (243, 33269), (262, 33302), (286, 33335), (337, 33425), (345, 33431), (355, 33476), (368, 33530), (369, 33533), (409, 33677), (456, 33830),

Gene: Mulan_32 Start: 32094, Stop: 33254, Start Num: 56

Candidate Starts for Mulan_32:

(Start: 56 @32094 has 333 MA's), (Start: 92 @32205 has 15 MA's), (112, 32250), (154, 32349), (185, 32409), (204, 32445), (214, 32469), (233, 32514), (235, 32520), (258, 32571), (280, 32610), (282, 32613), (287, 32625), (328, 32664), (347, 32697), (367, 32778), (377, 32823), (392, 32871), (401, 32907), (405, 32916), (409, 32922), (481, 33147),

Gene: Mulch_27 Start: 23315, Stop: 24382, Start Num: 92

Candidate Starts for Mulch_27:

(Start: 92 @23315 has 15 MA's), (191, 23525), (278, 23693), (356, 23834), (360, 23849), (364, 23861), (368, 23885), (388, 23969), (396, 24005), (433, 24116),

Gene: Murdoc_33 Start: 32369, Stop: 33529, Start Num: 56

Candidate Starts for Murdoc_33:

(Start: 56 @32369 has 333 MA's), (Start: 92 @32480 has 15 MA's), (112, 32525), (154, 32624), (185, 32684), (204, 32720), (214, 32744), (233, 32789), (235, 32795), (258, 32846), (280, 32885), (282, 32888), (287, 32900), (305, 32915), (328, 32939), (347, 32972), (367, 33053), (377, 33098), (392, 33146), (401, 33182), (405, 33191), (409, 33197), (481, 33422),

Gene: Mutante_32 Start: 32076, Stop: 33236, Start Num: 56

Candidate Starts for Mutante_32:

(Start: 56 @32076 has 333 MA's), (Start: 92 @32187 has 15 MA's), (112, 32232), (154, 32331), (185, 32391), (204, 32427), (214, 32451), (233, 32496), (235, 32502), (258, 32553), (280, 32592), (282, 32595), (287, 32607), (305, 32622), (328, 32646), (347, 32679), (367, 32760), (377, 32805), (392, 32853), (401, 32889), (405, 32898), (409, 32904), (481, 33129),

Gene: Mysterious_33 Start: 32854, Stop: 34362, Start Num: 15

Candidate Starts for Mysterious_33:

(Start: 15 @32854 has 9 MA's), (19, 32893), (28, 32965), (30, 32992), (32, 33001), (36, 33043), (41, 33058), (42, 33070), (47, 33100), (Start: 58 @33121 has 44 MA's), (61, 33130), (74, 33178), (93, 33232), (95, 33235), (122, 33307), (142, 33358), (152, 33385), (165, 33412), (192, 33463), (Start: 209 @33499 has 1 MA's), (214, 33514), (231, 33553), (236, 33568), (263, 33643), (287, 33688), (290, 33694), (295, 33703), (337, 33775), (345, 33799), (350, 33826), (361, 33865), (369, 33901), (398, 34027), (427, 34117), (473, 34228), (495, 34348),

Gene: Nacho_0033 Start: 32371, Stop: 33531, Start Num: 56

Candidate Starts for Nacho_0033:

(Start: 56 @32371 has 333 MA's), (Start: 92 @32482 has 15 MA's), (112, 32527), (154, 32626), (185, 32686), (204, 32722), (214, 32746), (233, 32791), (235, 32797), (258, 32848), (280, 32887), (282, 32890), (287, 32902), (305, 32917), (328, 32941), (347, 32974), (367, 33055), (377, 33100), (392, 33148), (401, 33184), (405, 33193), (409, 33199), (481, 33424),

Gene: Nadeem_27 Start: 23315, Stop: 24382, Start Num: 92

Candidate Starts for Nadeem_27:

(Start: 92 @23315 has 15 MA's), (191, 23525), (278, 23693), (356, 23834), (360, 23849), (364, 23861), (368, 23885), (388, 23969), (433, 24116),

Gene: Nanao_29 Start: 31577, Stop: 32734, Start Num: 59

Candidate Starts for Nanao_29:

(Start: 59 @31577 has 54 MA's), (84, 31670), (Start: 92 @31685 has 15 MA's), (98, 31700), (105, 31712), (112, 31730), (151, 31820), (174, 31871), (180, 31880), (182, 31886), (190, 31898), (204, 31925), (215, 31940), (218, 31946), (222, 31952), (239, 31985), (243, 31994), (262, 32027), (286, 32060), (337, 32150), (345, 32156), (368, 32255), (369, 32258), (409, 32402), (456, 32555),

Gene: NancyRae_27 Start: 23321, Stop: 24388, Start Num: 92

Candidate Starts for NancyRae_27:

(Start: 92 @23321 has 15 MA's), (191, 23531), (278, 23699), (356, 23840), (360, 23855), (364, 23867), (368, 23891), (388, 23975), (396, 24011), (433, 24122),

Gene: Nangang_32 Start: 32544, Stop: 34049, Start Num: 15

Candidate Starts for Nangang_32:

(Start: 15 @32544 has 9 MA's), (19, 32583), (28, 32655), (30, 32682), (36, 32733), (41, 32748), (124, 33000), (136, 33030), (142, 33048), (152, 33075), (165, 33102), (214, 33204), (231, 33243), (236, 33258), (263, 33333), (287, 33378), (290, 33384), (295, 33393), (345, 33489), (361, 33555), (369, 33591), (427, 33804), (473, 33915), (495, 34035),

Gene: Nanosmite_35 Start: 27723, Stop: 28895, Start Num: 56

Candidate Starts for Nanosmite_35:

(Start: 53 @27717 has 9 MA's), (Start: 56 @27723 has 333 MA's), (90, 27828), (Start: 92 @27831 has 15 MA's), (105, 27858), (158, 27984), (186, 28038), (189, 28044), (196, 28053), (223, 28113), (235, 28146), (249, 28176), (252, 28182), (316, 28242), (339, 28284), (407, 28539), (420, 28593), (453, 28689), (463, 28716), (466, 28722),

Gene: NatB6_44 Start: 35025, Stop: 36083, Start Num: 125

Candidate Starts for NatB6_44:

(1, 33585), (2, 33882), (6, 34113), (14, 34482), (65, 34860), (71, 34875), (75, 34893), (Start: 125 @35025 has 17 MA's), (281, 35370), (305, 35421), (331, 35469),

Gene: Nathan_34 Start: 32407, Stop: 33567, Start Num: 56

Candidate Starts for Nathan_34:

(Start: 56 @32407 has 333 MA's), (Start: 92 @32518 has 15 MA's), (112, 32563), (154, 32662), (185, 32722), (204, 32758), (214, 32782), (233, 32827), (235, 32833), (258, 32884), (280, 32923), (282, 32926), (287, 32938), (305, 32953), (328, 32977), (347, 33010), (367, 33091), (377, 33136), (392, 33184), (401, 33220), (405, 33229), (409, 33235), (481, 33460),

Gene: Nazo_22 Start: 21497, Stop: 22546, Start Num: 88

Candidate Starts for Nazo_22:

(Start: 88 @21497 has 91 MA's), (99, 21518), (161, 21659), (179, 21689), (190, 21710), (226, 21773), (241, 21812), (343, 21971), (373, 22103), (401, 22199), (488, 22484),

Gene: Necropolis_22 Start: 21299, Stop: 22336, Start Num: 88

Candidate Starts for Necropolis_22:

(81, 21275), (Start: 86 @21296 has 7 MA's), (Start: 88 @21299 has 91 MA's), (102, 21323), (161, 21461), (184, 21503), (222, 21572), (250, 21632), (273, 21677), (294, 21722), (347, 21803), (364, 21860), (368, 21884), (394, 21989), (415, 22061), (434, 22106), (486, 22271),

Gene: Nehemiah_31 Start: 32857, Stop: 34362, Start Num: 15

Candidate Starts for Nehemiah_31:

(Start: 15 @32857 has 9 MA's), (19, 32896), (28, 32968), (30, 32995), (32, 33004), (36, 33046), (41, 33061), (42, 33073), (47, 33103), (Start: 58 @33124 has 44 MA's), (61, 33133), (74, 33181), (93, 33235), (95, 33238), (122, 33310), (142, 33361), (152, 33388), (165, 33415), (192, 33466), (Start: 209 @33502 has 1 MA's), (214, 33517), (231, 33556), (236, 33571), (263, 33646), (287, 33691), (290, 33697), (295, 33706), (337, 33778), (345, 33802), (350, 33829), (361, 33868), (369, 33904), (398, 34027), (427, 34117), (473, 34228), (495, 34348),

Gene: Neighly_28 Start: 23877, Stop: 24941, Start Num: 88

Candidate Starts for Neighly_28:

(Start: 88 @23877 has 91 MA's), (130, 23967), (144, 23997), (169, 24051), (172, 24057), (197, 24105), (218, 24144), (227, 24162), (229, 24165), (270, 24246), (294, 24294), (307, 24312), (368, 24453), (390, 24543), (391, 24546), (392, 24549), (399, 24582), (405, 24594), (433, 24681), (435, 24684), (467, 24780), (489, 24897),

Gene: Nенаe_21 Start: 19877, Stop: 21031, Start Num: 59

Candidate Starts for Nенаe_21:

(18, 19640), (22, 19682), (27, 19712), (29, 19742), (38, 19802), (48, 19856), (Start: 59 @19877 has 54 MA's), (76, 19940), (81, 19958), (Start: 103 @20006 has 4 MA's), (128, 20066), (131, 20075), (139, 20090), (149, 20114), (158, 20138), (165, 20150), (204, 20225), (208, 20234), (217, 20258), (230, 20288), (258, 20333), (260, 20336), (263, 20342), (306, 20372), (308, 20375), (320, 20396), (367, 20555), (389, 20645), (392, 20654), (398, 20684), (409, 20705), (492, 21008),

Gene: Neos5_33 Start: 33020, Stop: 34222, Start Num: 58

Candidate Starts for Neos5_33:

(Start: 58 @33020 has 44 MA's), (67, 33053), (122, 33197), (127, 33206), (131, 33215), (148, 33254), (151, 33263), (158, 33281), (168, 33299), (175, 33317), (180, 33323), (187, 33335), (198, 33353), (204, 33368), (218, 33401), (230, 33428), (249, 33473), (290, 33554), (313, 33581), (324, 33599), (330, 33617), (345, 33659), (349, 33683), (369, 33758), (373, 33788), (392, 33848), (394, 33860), (398, 33878), (428, 33980), (467, 34085), (473, 34091), (475, 34109), (491, 34196),

Gene: Newman_33 Start: 32368, Stop: 33528, Start Num: 56

Candidate Starts for Newman_33:

(Start: 56 @32368 has 333 MA's), (Start: 92 @32479 has 15 MA's), (112, 32524), (154, 32623), (185, 32683), (204, 32719), (214, 32743), (233, 32788), (235, 32794), (258, 32845), (280, 32884), (282,

32887), (287, 32899), (305, 32914), (328, 32938), (347, 32971), (367, 33052), (377, 33097), (392, 33145), (401, 33181), (405, 33190), (409, 33196), (481, 33421),

Gene: Nicholas_22 Start: 22247, Stop: 23464, Start Num: 56

Candidate Starts for Nicholas_22:

(Start: 56 @22247 has 333 MA's), (90, 22349), (97, 22361), (105, 22379), (110, 22388), (126, 22427), (142, 22463), (148, 22478), (150, 22484), (163, 22514), (165, 22517), (181, 22553), (189, 22565), (214, 22616), (215, 22619), (240, 22679), (253, 22706), (260, 22721), (263, 22727), (271, 22739), (301, 22799), (316, 22823), (345, 22883), (368, 22979), (373, 23012), (394, 23084), (401, 23108), (477, 23336), (479, 23348),

Gene: Nicole21_33 Start: 32366, Stop: 33526, Start Num: 56

Candidate Starts for Nicole21_33:

(Start: 56 @32366 has 333 MA's), (Start: 92 @32477 has 15 MA's), (112, 32522), (154, 32621), (185, 32681), (204, 32717), (214, 32741), (233, 32786), (235, 32792), (258, 32843), (280, 32882), (282, 32885), (287, 32897), (305, 32912), (328, 32936), (347, 32969), (367, 33050), (377, 33095), (392, 33143), (401, 33179), (405, 33188), (409, 33194), (481, 33419),

Gene: Nigel_28 Start: 31491, Stop: 32651, Start Num: 59

Candidate Starts for Nigel_28:

(10, 30987), (Start: 59 @31491 has 54 MA's), (64, 31518), (Start: 92 @31602 has 15 MA's), (98, 31617), (105, 31629), (112, 31647), (174, 31788), (180, 31797), (190, 31815), (204, 31842), (215, 31857), (218, 31863), (222, 31869), (230, 31887), (239, 31902), (243, 31911), (262, 31944), (286, 31977), (292, 31989), (295, 31995), (337, 32067), (345, 32073), (366, 32163), (368, 32172), (409, 32319), (456, 32472),

Gene: NovumRegina_44 Start: 35355, Stop: 36413, Start Num: 125

Candidate Starts for NovumRegina_44:

(1, 33915), (2, 34212), (6, 34443), (14, 34812), (65, 35190), (71, 35205), (75, 35223), (Start: 125 @35355 has 17 MA's), (281, 35700), (305, 35751), (331, 35799),

Gene: Nozo_33 Start: 32981, Stop: 34183, Start Num: 58

Candidate Starts for Nozo_33:

(Start: 58 @32981 has 44 MA's), (67, 33014), (122, 33158), (127, 33167), (131, 33176), (148, 33215), (151, 33224), (158, 33242), (168, 33260), (175, 33278), (180, 33284), (187, 33296), (198, 33314), (204, 33329), (218, 33362), (230, 33389), (249, 33434), (290, 33515), (313, 33542), (324, 33560), (330, 33578), (345, 33620), (349, 33644), (369, 33719), (373, 33749), (392, 33809), (394, 33821), (398, 33839), (428, 33941), (467, 34046), (473, 34052), (475, 34070), (491, 34157),

Gene: Numberten_33 Start: 32375, Stop: 33535, Start Num: 56

Candidate Starts for Numberten_33:

(Start: 56 @32375 has 333 MA's), (Start: 92 @32486 has 15 MA's), (112, 32531), (154, 32630), (185, 32690), (204, 32726), (214, 32750), (233, 32795), (235, 32801), (258, 32852), (280, 32891), (282, 32894), (287, 32906), (328, 32945), (347, 32978), (367, 33059), (377, 33104), (392, 33152), (401, 33188), (405, 33197), (409, 33203), (481, 33428),

Gene: Nyala_32 Start: 32068, Stop: 33228, Start Num: 56

Candidate Starts for Nyala_32:

(Start: 56 @32068 has 333 MA's), (Start: 92 @32179 has 15 MA's), (112, 32224), (154, 32323), (185, 32383), (204, 32419), (214, 32443), (233, 32488), (235, 32494), (258, 32545), (280, 32584), (282, 32587), (287, 32599), (305, 32614), (328, 32638), (347, 32671), (367, 32752), (377, 32797), (392, 32845), (401, 32881), (405, 32890), (409, 32896), (481, 33121),

Gene: OSmaximus_33 Start: 32410, Stop: 33570, Start Num: 56

Candidate Starts for OSmaximus_33:

(Start: 56 @32410 has 333 MA's), (Start: 92 @32521 has 15 MA's), (112, 32566), (154, 32665), (185, 32725), (204, 32761), (214, 32785), (233, 32830), (235, 32836), (258, 32887), (280, 32926), (282, 32929), (287, 32941), (305, 32956), (328, 32980), (347, 33013), (367, 33094), (377, 33139), (392, 33187), (401, 33223), (405, 33232), (409, 33238), (481, 33463),

Gene: Obutu_33 Start: 32205, Stop: 33407, Start Num: 58

Candidate Starts for Obutu_33:

(Start: 58 @32205 has 44 MA's), (67, 32238), (122, 32382), (127, 32391), (131, 32400), (148, 32439), (151, 32448), (158, 32466), (185, 32517), (190, 32526), (198, 32538), (201, 32544), (204, 32553), (224, 32598), (230, 32613), (249, 32658), (284, 32727), (292, 32742), (305, 32754), (320, 32778), (339, 32826), (342, 32832), (343, 32838), (345, 32844), (349, 32868), (369, 32943), (373, 32973), (392, 33033), (394, 33045), (398, 33063), (427, 33162), (428, 33165), (467, 33270), (473, 33276), (475, 33294), (491, 33381),

Gene: OhShagHennessy_21 Start: 21653, Stop: 22825, Start Num: 56

Candidate Starts for OhShagHennessy_21:

(Start: 54 @21650 has 5 MA's), (Start: 56 @21653 has 333 MA's), (Start: 103 @21779 has 4 MA's), (119, 21821), (126, 21833), (127, 21836), (142, 21869), (147, 21881), (168, 21929), (175, 21947), (198, 21983), (204, 21998), (226, 22049), (237, 22079), (257, 22121), (272, 22145), (325, 22181), (327, 22187), (340, 22214), (345, 22232), (369, 22325), (370, 22328), (390, 22412), (430, 22550), (438, 22568), (467, 22652),

Gene: OkiRoe_27 Start: 23934, Stop: 25001, Start Num: 88

Candidate Starts for OkiRoe_27:

(Start: 88 @23934 has 91 MA's), (143, 24051), (169, 24108), (193, 24156), (197, 24162), (229, 24222), (234, 24237), (250, 24264), (270, 24303), (273, 24306), (278, 24318), (280, 24321), (282, 24324), (288, 24339), (320, 24384), (324, 24390), (349, 24444), (364, 24492), (370, 24522), (385, 24567), (418, 24696), (436, 24750),

Gene: Olak_32 Start: 32072, Stop: 33232, Start Num: 56

Candidate Starts for Olak_32:

(Start: 56 @32072 has 333 MA's), (Start: 92 @32183 has 15 MA's), (112, 32228), (154, 32327), (185, 32387), (204, 32423), (214, 32447), (233, 32492), (235, 32498), (258, 32549), (280, 32588), (282, 32591), (287, 32603), (305, 32618), (328, 32642), (347, 32675), (367, 32756), (377, 32801), (392, 32849), (401, 32885), (405, 32894), (409, 32900), (481, 33125),

Gene: Oline_32 Start: 31937, Stop: 33097, Start Num: 56

Candidate Starts for Oline_32:

(Start: 56 @31937 has 333 MA's), (Start: 92 @32048 has 15 MA's), (112, 32093), (154, 32192), (185, 32252), (204, 32288), (214, 32312), (233, 32357), (235, 32363), (258, 32414), (280, 32453), (282, 32456), (287, 32468), (328, 32507), (347, 32540), (367, 32621), (392, 32714), (401, 32750), (405, 32759), (409, 32765), (481, 32990),

Gene: Olive_33 Start: 32358, Stop: 33518, Start Num: 56

Candidate Starts for Olive_33:

(Start: 56 @32358 has 333 MA's), (Start: 92 @32469 has 15 MA's), (112, 32514), (154, 32613), (185, 32673), (204, 32709), (214, 32733), (233, 32778), (235, 32784), (258, 32835), (280, 32874), (282, 32877), (287, 32889), (328, 32928), (347, 32961), (367, 33042), (377, 33087), (392, 33135), (401, 33171), (405, 33180), (409, 33186), (481, 33411),

Gene: OliverWalter_33 Start: 32380, Stop: 33540, Start Num: 56

Candidate Starts for OliverWalter_33:

(Start: 56 @32380 has 333 MA's), (Start: 92 @32491 has 15 MA's), (112, 32536), (154, 32635), (185, 32695), (204, 32731), (214, 32755), (233, 32800), (235, 32806), (258, 32857), (280, 32896), (282, 32899), (287, 32911), (305, 32926), (328, 32950), (347, 32983), (367, 33064), (377, 33109), (392, 33157), (401, 33193), (405, 33202), (409, 33208), (481, 33433),

Gene: Omnicron_28 Start: 22797, Stop: 23876, Start Num: 88

Candidate Starts for Omnicron_28:

(Start: 88 @22797 has 91 MA's), (Start: 104 @22824 has 1 MA's), (169, 22971), (172, 22977), (197, 23025), (218, 23064), (227, 23082), (234, 23100), (270, 23166), (288, 23202), (303, 23226), (307, 23232), (353, 23325), (381, 23427), (390, 23472), (405, 23517), (407, 23520), (412, 23538), (419, 23559), (432, 23601), (438, 23619), (470, 23715), (471, 23718), (494, 23859),

Gene: Omniscient_33 Start: 32377, Stop: 33537, Start Num: 56

Candidate Starts for Omniscient_33:

(Start: 56 @32377 has 333 MA's), (Start: 92 @32488 has 15 MA's), (112, 32533), (154, 32632), (185, 32692), (204, 32728), (214, 32752), (233, 32797), (235, 32803), (258, 32854), (280, 32893), (282, 32896), (287, 32908), (305, 32923), (328, 32947), (347, 32980), (367, 33061), (377, 33106), (392, 33154), (401, 33190), (405, 33199), (409, 33205), (481, 33430),

Gene: Oosterbaan_33 Start: 32368, Stop: 33528, Start Num: 56

Candidate Starts for Oosterbaan_33:

(Start: 56 @32368 has 333 MA's), (Start: 92 @32479 has 15 MA's), (112, 32524), (154, 32623), (185, 32683), (204, 32719), (214, 32743), (233, 32788), (235, 32794), (258, 32845), (280, 32884), (282, 32887), (287, 32899), (305, 32914), (328, 32938), (347, 32971), (367, 33052), (377, 33097), (392, 33145), (401, 33181), (405, 33190), (409, 33196), (481, 33421),

Gene: Opia_33 Start: 32684, Stop: 33847, Start Num: 56

Candidate Starts for Opia_33:

(26, 32537), (Start: 53 @32678 has 9 MA's), (Start: 56 @32684 has 333 MA's), (67, 32723), (77, 32753), (Start: 92 @32798 has 15 MA's), (112, 32843), (154, 32942), (185, 33002), (204, 33038), (214, 33062), (233, 33107), (235, 33113), (258, 33164), (280, 33203), (282, 33206), (287, 33218), (305, 33233), (328, 33257), (347, 33290), (367, 33371), (392, 33464), (401, 33500), (405, 33509), (409, 33515), (481, 33740),

Gene: OrangeOswald_33 Start: 32222, Stop: 33424, Start Num: 58

Candidate Starts for OrangeOswald_33:

(Start: 58 @32222 has 44 MA's), (67, 32255), (122, 32399), (127, 32408), (131, 32417), (148, 32456), (151, 32465), (158, 32483), (168, 32501), (175, 32519), (180, 32525), (187, 32537), (198, 32555), (204, 32570), (218, 32603), (230, 32630), (249, 32675), (290, 32756), (313, 32783), (324, 32801), (330, 32819), (345, 32861), (349, 32885), (369, 32960), (373, 32990), (392, 33050), (394, 33062), (398, 33080), (428, 33182), (467, 33287), (473, 33293), (475, 33311), (491, 33398),

Gene: Orfeu_32 Start: 32076, Stop: 33236, Start Num: 56

Candidate Starts for Orfeu_32:

(Start: 56 @32076 has 333 MA's), (Start: 92 @32187 has 15 MA's), (112, 32232), (154, 32331), (185, 32391), (204, 32427), (214, 32451), (233, 32496), (235, 32502), (258, 32553), (280, 32592), (282, 32595), (287, 32607), (305, 32622), (328, 32646), (347, 32679), (367, 32760), (377, 32805), (392, 32853), (401, 32889), (405, 32898), (409, 32904), (481, 33129),

Gene: Orion_33 Start: 32366, Stop: 33526, Start Num: 56

Candidate Starts for Orion_33:

(Start: 56 @32366 has 333 MA's), (Start: 92 @32477 has 15 MA's), (112, 32522), (154, 32621), (185, 32681), (204, 32717), (214, 32741), (233, 32786), (235, 32792), (258, 32843), (280, 32882), (282, 32885), (287, 32897), (305, 32912), (328, 32936), (347, 32969), (367, 33050), (377, 33095), (392, 33143), (401, 33179), (405, 33188), (409, 33194), (481, 33419),

Gene: Orwigg_33 Start: 32064, Stop: 33224, Start Num: 56

Candidate Starts for Orwigg_33:

(Start: 56 @32064 has 333 MA's), (Start: 92 @32175 has 15 MA's), (112, 32220), (154, 32319), (185, 32379), (204, 32415), (214, 32439), (233, 32484), (235, 32490), (258, 32541), (280, 32580), (282, 32583), (287, 32595), (305, 32610), (328, 32634), (347, 32667), (367, 32748), (377, 32793), (392, 32841), (401, 32877), (405, 32886), (409, 32892), (481, 33117),

Gene: P3MA_25 Start: 20906, Stop: 22060, Start Num: 56

Candidate Starts for P3MA_25:

(Start: 56 @20906 has 333 MA's), (105, 21038), (107, 21041), (126, 21086), (127, 21089), (131, 21098), (142, 21122), (155, 21158), (156, 21161), (158, 21164), (189, 21224), (204, 21251), (218, 21284), (226, 21302), (271, 21398), (274, 21404), (314, 21419), (340, 21464), (363, 21554), (366, 21572), (409, 21728), (426, 21794), (488, 21992),

Gene: PG1_33 Start: 32379, Stop: 33539, Start Num: 56

Candidate Starts for PG1_33:

(Start: 56 @32379 has 333 MA's), (Start: 92 @32490 has 15 MA's), (112, 32535), (154, 32634), (185, 32694), (204, 32730), (214, 32754), (233, 32799), (235, 32805), (258, 32856), (280, 32895), (282, 32898), (287, 32910), (305, 32925), (328, 32949), (347, 32982), (367, 33063), (377, 33108), (392, 33156), (401, 33192), (405, 33201), (409, 33207), (481, 33432),

Gene: PR_25 Start: 29919, Stop: 31133, Start Num: 49

Candidate Starts for PR_25:

(Start: 49 @29919 has 2 MA's), (Start: 52 @29925 has 2 MA's), (66, 29964), (Start: 92 @30039 has 15 MA's), (94, 30042), (110, 30075), (116, 30096), (122, 30108), (126, 30114), (131, 30126), (148, 30165), (149, 30168), (185, 30243), (198, 30264), (230, 30339), (249, 30384), (263, 30414), (287, 30459), (292, 30468), (295, 30474), (305, 30480), (320, 30504), (338, 30549), (345, 30570), (349, 30594), (369, 30669), (373, 30699), (392, 30759), (394, 30771), (398, 30789), (427, 30888), (428, 30891), (467, 30996), (473, 31002), (483, 31068), (484, 31071), (491, 31107),

Gene: PYPDinur_21 Start: 21427, Stop: 22581, Start Num: 56

Candidate Starts for PYPDinur_21:

(Start: 56 @21427 has 333 MA's), (90, 21529), (97, 21541), (127, 21610), (168, 21703), (198, 21757), (211, 21787), (214, 21796), (231, 21835), (252, 21883), (263, 21907), (271, 21919), (316, 21943), (345, 22003), (351, 22033), (383, 22150), (389, 22186), (392, 22195), (410, 22252), (417, 22291),

Gene: Pacifista_32 Start: 32070, Stop: 33230, Start Num: 56

Candidate Starts for Pacifista_32:

(Start: 56 @32070 has 333 MA's), (Start: 92 @32181 has 15 MA's), (112, 32226), (154, 32325), (185, 32385), (204, 32421), (214, 32445), (233, 32490), (235, 32496), (258, 32547), (280, 32586), (282, 32589), (287, 32601), (305, 32616), (328, 32640), (347, 32673), (367, 32754), (377, 32799), (392, 32847), (401, 32883), (405, 32892), (409, 32898), (481, 33123),

Gene: Panchino_21 Start: 20180, Stop: 21217, Start Num: 88

Candidate Starts for Panchino_21:

(Start: 88 @20180 has 91 MA's), (158, 20336), (161, 20342), (219, 20450), (229, 20468), (273, 20558), (294, 20603), (347, 20684), (368, 20765), (390, 20852), (394, 20870), (415, 20942), (434, 20987), (486, 21152),

Gene: Paola_27 Start: 23933, Stop: 25000, Start Num: 88

Candidate Starts for Paola_27:

(Start: 88 @23933 has 91 MA's), (143, 24050), (169, 24107), (193, 24155), (197, 24161), (227, 24218), (229, 24221), (234, 24236), (250, 24263), (270, 24302), (273, 24305), (278, 24317), (280, 24320), (282, 24323), (288, 24338), (320, 24383), (324, 24389), (349, 24443), (364, 24491), (370, 24521), (385, 24566), (418, 24695), (436, 24749),

Gene: Parada_27 Start: 23315, Stop: 24382, Start Num: 92

Candidate Starts for Parada_27:

(Start: 92 @23315 has 15 MA's), (191, 23525), (278, 23693), (356, 23834), (360, 23849), (364, 23861), (368, 23885), (388, 23969), (396, 24005), (433, 24116),

Gene: Patience_38 Start: 32593, Stop: 33633, Start Num: 103

Candidate Starts for Patience_38:

(Start: 103 @32593 has 4 MA's), (135, 32671), (170, 32749), (264, 32962), (269, 32968), (327, 33046), (364, 33139), (369, 33166),

Gene: Patio_48 Start: 36198, Stop: 37259, Start Num: 125

Candidate Starts for Patio_48:

(Start: 125 @36198 has 17 MA's), (211, 36384), (294, 36570), (296, 36573), (369, 36783),

Gene: PegLeg_31 Start: 26991, Stop: 28046, Start Num: 88

Candidate Starts for PegLeg_31:

(Start: 88 @26991 has 91 MA's), (190, 27204), (212, 27240), (240, 27303), (280, 27375), (294, 27405), (309, 27426), (331, 27462), (349, 27498), (364, 27546), (367, 27567), (369, 27573), (373, 27603), (375, 27606), (389, 27654), (449, 27843), (459, 27864), (476, 27918),

Gene: PenguinLover67_33 Start: 33434, Stop: 34648, Start Num: 59

Candidate Starts for PenguinLover67_33:

(Start: 59 @33434 has 54 MA's), (106, 33572), (128, 33632), (148, 33680), (149, 33683), (165, 33719), (174, 33740), (198, 33779), (208, 33803), (225, 33842), (242, 33881), (253, 33902), (262, 33920), (263, 33923), (368, 34136), (369, 34139), (382, 34184), (461, 34478),

Gene: Phaedrus_31 Start: 32138, Stop: 33340, Start Num: 58

Candidate Starts for Phaedrus_31:

(Start: 58 @32138 has 44 MA's), (67, 32171), (122, 32315), (127, 32324), (131, 32333), (148, 32372), (151, 32381), (158, 32399), (168, 32417), (175, 32435), (180, 32441), (187, 32453), (198, 32471), (204, 32486), (218, 32519), (230, 32546), (249, 32591), (290, 32672), (313, 32699), (324, 32717), (330, 32735), (345, 32777), (373, 32906), (398, 32996), (428, 33098), (450, 33155), (454, 33164), (467, 33203), (483, 33275), (492, 33317),

Gene: Phalm_22 Start: 21561, Stop: 22601, Start Num: 85

Candidate Starts for Phalm_22:

(Start: 85 @21561 has 8 MA's), (158, 21720), (161, 21726), (184, 21768), (219, 21834), (222, 21837), (250, 21897), (273, 21942), (294, 21987), (347, 22068), (364, 22125), (368, 22149), (394, 22254), (415, 22326), (434, 22371),

Gene: Phamished_33 Start: 32374, Stop: 33534, Start Num: 56

Candidate Starts for Phamished_33:

(Start: 56 @32374 has 333 MA's), (Start: 92 @32485 has 15 MA's), (112, 32530), (154, 32629), (185, 32689), (204, 32725), (214, 32749), (233, 32794), (235, 32800), (258, 32851), (280, 32890), (282, 32893), (287, 32905), (305, 32920), (328, 32944), (347, 32977), (367, 33058), (377, 33103), (392,

33151), (401, 33187), (405, 33196), (409, 33202), (481, 33427),

Gene: PhancyPhin_21 Start: 19874, Stop: 21028, Start Num: 59

Candidate Starts for PhancyPhin_21:

(18, 19637), (22, 19679), (27, 19709), (29, 19739), (38, 19799), (48, 19853), (Start: 59 @19874 has 54 MA's), (76, 19937), (81, 19955), (Start: 103 @20003 has 4 MA's), (128, 20063), (131, 20072), (139, 20087), (149, 20111), (158, 20135), (165, 20147), (204, 20222), (208, 20231), (217, 20255), (230, 20285), (258, 20330), (260, 20333), (263, 20339), (306, 20369), (308, 20372), (320, 20393), (367, 20552), (389, 20642), (392, 20651), (398, 20681), (409, 20702), (492, 21005),

Gene: Phantasmagoria_33 Start: 32695, Stop: 33858, Start Num: 56

Candidate Starts for Phantasmagoria_33:

(Start: 53 @32689 has 9 MA's), (Start: 56 @32695 has 333 MA's), (67, 32734), (77, 32764), (Start: 92 @32809 has 15 MA's), (112, 32854), (154, 32953), (185, 33013), (204, 33049), (214, 33073), (233, 33118), (235, 33124), (258, 33175), (280, 33214), (282, 33217), (287, 33229), (305, 33244), (328, 33268), (347, 33301), (367, 33382), (377, 33427), (392, 33475), (401, 33511), (405, 33520), (409, 33526), (481, 33751),

Gene: Phareon_33 Start: 32078, Stop: 33238, Start Num: 56

Candidate Starts for Phareon_33:

(Start: 56 @32078 has 333 MA's), (Start: 92 @32189 has 15 MA's), (112, 32234), (154, 32333), (185, 32393), (204, 32429), (214, 32453), (233, 32498), (235, 32504), (258, 32555), (280, 32594), (282, 32597), (287, 32609), (305, 32624), (328, 32648), (347, 32681), (367, 32762), (377, 32807), (392, 32855), (401, 32891), (405, 32900), (409, 32906), (481, 33131),

Gene: PhatCats2014_33 Start: 32383, Stop: 33543, Start Num: 56

Candidate Starts for PhatCats2014_33:

(Start: 56 @32383 has 333 MA's), (Start: 92 @32494 has 15 MA's), (112, 32539), (154, 32638), (185, 32698), (204, 32734), (214, 32758), (233, 32803), (235, 32809), (258, 32860), (280, 32899), (282, 32902), (287, 32914), (305, 32929), (328, 32953), (347, 32986), (367, 33067), (377, 33112), (392, 33160), (401, 33196), (405, 33205), (409, 33211), (481, 33436),

Gene: PhatLouie_33 Start: 32372, Stop: 33532, Start Num: 56

Candidate Starts for PhatLouie_33:

(Start: 56 @32372 has 333 MA's), (Start: 92 @32483 has 15 MA's), (112, 32528), (154, 32627), (185, 32687), (204, 32723), (214, 32747), (233, 32792), (235, 32798), (258, 32849), (280, 32888), (282, 32891), (287, 32903), (328, 32942), (347, 32975), (367, 33056), (392, 33149), (401, 33185), (405, 33194), (409, 33200), (481, 33425),

Gene: Phayonce_22 Start: 21448, Stop: 22485, Start Num: 88

Candidate Starts for Phayonce_22:

(Start: 88 @21448 has 91 MA's), (161, 21610), (190, 21661), (212, 21697), (226, 21724), (250, 21772), (280, 21829), (297, 21865), (367, 22018), (373, 22054), (394, 22126), (436, 22261), (459, 22315), (482, 22393),

Gene: Phegasus_22 Start: 21305, Stop: 22342, Start Num: 88

Candidate Starts for Phegasus_22:

(81, 21281), (Start: 86 @21302 has 7 MA's), (Start: 88 @21305 has 91 MA's), (102, 21329), (161, 21467), (184, 21509), (222, 21578), (250, 21638), (273, 21683), (294, 21728), (347, 21809), (364, 21866), (368, 21890), (394, 21995), (415, 22067), (434, 22112), (486, 22277),

Gene: Phelemich_32 Start: 32856, Stop: 34361, Start Num: 15

Candidate Starts for Phelemich_32:

(Start: 15 @32856 has 9 MA's), (19, 32895), (28, 32967), (30, 32994), (36, 33045), (41, 33060), (42, 33072), (47, 33102), (Start: 58 @33123 has 44 MA's), (61, 33132), (93, 33234), (95, 33237), (122, 33309), (142, 33360), (152, 33387), (165, 33414), (192, 33465), (Start: 209 @33501 has 1 MA's), (214, 33516), (231, 33555), (236, 33570), (263, 33645), (287, 33690), (290, 33696), (295, 33705), (337, 33777), (345, 33801), (350, 33828), (361, 33867), (369, 33903), (467, 34221), (473, 34227), (495, 34347),

Gene: PhenghisKhan_32 Start: 31978, Stop: 33138, Start Num: 56

Candidate Starts for PhenghisKhan_32:

(Start: 56 @31978 has 333 MA's), (Start: 92 @32089 has 15 MA's), (112, 32134), (154, 32233), (185, 32293), (204, 32329), (214, 32353), (233, 32398), (235, 32404), (258, 32455), (280, 32494), (282, 32497), (287, 32509), (328, 32548), (347, 32581), (367, 32662), (392, 32755), (401, 32791), (405, 32800), (409, 32806), (481, 33031),

Gene: Pherdinand_33 Start: 32374, Stop: 33534, Start Num: 56

Candidate Starts for Pherdinand_33:

(Start: 56 @32374 has 333 MA's), (Start: 92 @32485 has 15 MA's), (112, 32530), (154, 32629), (185, 32689), (204, 32725), (214, 32749), (233, 32794), (235, 32800), (258, 32851), (280, 32890), (282, 32893), (287, 32905), (305, 32920), (328, 32944), (347, 32977), (367, 33058), (377, 33103), (392, 33151), (401, 33187), (405, 33196), (409, 33202), (481, 33427),

Gene: Phergie_32 Start: 31969, Stop: 33129, Start Num: 56

Candidate Starts for Phergie_32:

(Start: 56 @31969 has 333 MA's), (Start: 92 @32080 has 15 MA's), (112, 32125), (154, 32224), (185, 32284), (204, 32320), (214, 32344), (233, 32389), (235, 32395), (258, 32446), (280, 32485), (282, 32488), (287, 32500), (328, 32539), (347, 32572), (367, 32653), (392, 32746), (401, 32782), (405, 32791), (409, 32797), (481, 33022),

Gene: Philly_32 Start: 32073, Stop: 33275, Start Num: 58

Candidate Starts for Philly_32:

(Start: 58 @32073 has 44 MA's), (122, 32250), (127, 32259), (131, 32268), (148, 32307), (151, 32316), (158, 32334), (168, 32352), (175, 32370), (180, 32376), (187, 32388), (198, 32406), (204, 32421), (218, 32454), (230, 32481), (249, 32526), (290, 32607), (313, 32634), (324, 32652), (330, 32670), (345, 32712), (349, 32736), (369, 32811), (373, 32841), (392, 32901), (394, 32913), (398, 32931), (428, 33033), (467, 33138), (473, 33144), (475, 33162), (491, 33249),

Gene: Phineas_22 Start: 21670, Stop: 22707, Start Num: 88

Candidate Starts for Phineas_22:

(Start: 88 @21670 has 91 MA's), (161, 21835), (184, 21877), (219, 21943), (222, 21946), (229, 21961), (273, 22048), (294, 22093), (347, 22174), (364, 22231), (368, 22255), (394, 22360), (415, 22432), (434, 22477),

Gene: Phipps_33 Start: 32345, Stop: 33505, Start Num: 56

Candidate Starts for Phipps_33:

(Start: 56 @32345 has 333 MA's), (Start: 92 @32456 has 15 MA's), (112, 32501), (154, 32600), (185, 32660), (204, 32696), (214, 32720), (233, 32765), (235, 32771), (258, 32822), (280, 32861), (282, 32864), (287, 32876), (328, 32915), (347, 32948), (367, 33029), (377, 33074), (392, 33122), (401, 33158), (405, 33167), (409, 33173), (481, 33398),

Gene: Phishy_30 Start: 26793, Stop: 27842, Start Num: 88

Candidate Starts for Phishy_30:

(Start: 88 @26793 has 91 MA's), (183, 27003), (219, 27081), (275, 27189), (356, 27339), (359, 27351), (364, 27366), (412, 27543), (436, 27618),

Gene: Phleuron_32 Start: 31975, Stop: 33135, Start Num: 56

Candidate Starts for Phleuron_32:

(Start: 56 @31975 has 333 MA's), (Start: 92 @32086 has 15 MA's), (112, 32131), (154, 32230), (185, 32290), (204, 32326), (214, 32350), (233, 32395), (235, 32401), (258, 32452), (280, 32491), (282, 32494), (287, 32506), (328, 32545), (347, 32578), (367, 32659), (377, 32704), (392, 32752), (401, 32788), (405, 32797), (409, 32803), (481, 33028),

Gene: Phloss_21 Start: 20203, Stop: 21360, Start Num: 58

Candidate Starts for Phloss_21:

(Start: 58 @20203 has 44 MA's), (81, 20284), (Start: 103 @20332 has 4 MA's), (128, 20392), (131, 20401), (139, 20416), (149, 20440), (158, 20464), (165, 20476), (198, 20536), (204, 20551), (208, 20560), (217, 20584), (224, 20599), (230, 20614), (306, 20698), (308, 20701), (320, 20722), (329, 20743), (333, 20752), (336, 20764), (340, 20773), (409, 21034), (425, 21103), (492, 21337),

Gene: Phlyer_33 Start: 32957, Stop: 34159, Start Num: 58

Candidate Starts for Phlyer_33:

(Start: 58 @32957 has 44 MA's), (67, 32990), (122, 33134), (127, 33143), (131, 33152), (148, 33191), (151, 33200), (158, 33218), (168, 33236), (175, 33254), (180, 33260), (187, 33272), (198, 33290), (204, 33305), (218, 33338), (230, 33365), (249, 33410), (290, 33491), (313, 33518), (324, 33536), (330, 33554), (345, 33596), (373, 33725), (398, 33815), (428, 33917), (450, 33974), (454, 33983), (467, 34022), (483, 34094), (492, 34136),

Gene: Phomeo_43 Start: 35624, Stop: 36682, Start Num: 125

Candidate Starts for Phomeo_43:

(1, 34184), (2, 34481), (6, 34712), (14, 35081), (65, 35459), (71, 35474), (75, 35492), (Start: 125 @35624 has 17 MA's), (281, 35969), (305, 36020), (331, 36068),

Gene: PhrankReynolds_32 Start: 31975, Stop: 33135, Start Num: 56

Candidate Starts for PhrankReynolds_32:

(Start: 56 @31975 has 333 MA's), (Start: 92 @32086 has 15 MA's), (112, 32131), (154, 32230), (185, 32290), (204, 32326), (214, 32350), (233, 32395), (235, 32401), (258, 32452), (280, 32491), (282, 32494), (287, 32506), (328, 32545), (347, 32578), (367, 32659), (392, 32752), (401, 32788), (405, 32797), (409, 32803), (481, 33028),

Gene: Phrann_21 Start: 20409, Stop: 21479, Start Num: 86

Candidate Starts for Phrann_21:

(Start: 86 @20409 has 7 MA's), (Start: 88 @20412 has 91 MA's), (161, 20574), (184, 20616), (222, 20685), (250, 20745), (273, 20790), (294, 20835), (346, 20904), (347, 20916), (364, 20973), (368, 20997), (414, 21168),

Gene: PhrodoBaggins_32 Start: 32362, Stop: 33522, Start Num: 56

Candidate Starts for PhrodoBaggins_32:

(Start: 56 @32362 has 333 MA's), (Start: 92 @32473 has 15 MA's), (112, 32518), (154, 32617), (185, 32677), (204, 32713), (214, 32737), (233, 32782), (235, 32788), (258, 32839), (280, 32878), (282, 32881), (287, 32893), (328, 32932), (347, 32965), (367, 33046), (377, 33091), (392, 33139), (401, 33175), (405, 33184), (409, 33190), (481, 33415),

Gene: Phunky_33 Start: 32375, Stop: 33535, Start Num: 56

Candidate Starts for Phunky_33:

(Start: 56 @32375 has 333 MA's), (Start: 92 @32486 has 15 MA's), (112, 32531), (154, 32630), (185, 32690), (204, 32726), (214, 32750), (233, 32795), (235, 32801), (258, 32852), (280, 32891), (282, 32894), (287, 32906), (305, 32921), (328, 32945), (347, 32978), (367, 33059), (377, 33104), (392,

33152), (401, 33188), (405, 33197), (409, 33203), (481, 33428),

Gene: Piglet_0032 Start: 32482, Stop: 33642, Start Num: 56

Candidate Starts for Piglet_0032:

(Start: 56 @32482 has 333 MA's), (Start: 92 @32593 has 15 MA's), (112, 32638), (154, 32737), (185, 32797), (204, 32833), (214, 32857), (233, 32902), (235, 32908), (258, 32959), (280, 32998), (282, 33001), (287, 33013), (305, 33028), (328, 33052), (347, 33085), (367, 33166), (377, 33211), (392, 33259), (401, 33295), (405, 33304), (409, 33310), (481, 33535),

Gene: Pimento_27 Start: 22790, Stop: 23857, Start Num: 88

Candidate Starts for Pimento_27:

(51, 22655), (Start: 88 @22790 has 91 MA's), (200, 23009), (250, 23111), (272, 23153), (278, 23165), (356, 23309), (364, 23336), (368, 23360), (397, 23483), (426, 23573), (433, 23591),

Gene: PinheadLarry_33 Start: 32088, Stop: 33248, Start Num: 56

Candidate Starts for PinheadLarry_33:

(Start: 56 @32088 has 333 MA's), (Start: 92 @32199 has 15 MA's), (112, 32244), (154, 32343), (185, 32403), (204, 32439), (214, 32463), (233, 32508), (235, 32514), (258, 32565), (280, 32604), (282, 32607), (287, 32619), (328, 32658), (347, 32691), (367, 32772), (377, 32817), (392, 32865), (401, 32901), (405, 32910), (409, 32916), (481, 33141),

Gene: Pinkman_32 Start: 31931, Stop: 33091, Start Num: 56

Candidate Starts for Pinkman_32:

(Start: 56 @31931 has 333 MA's), (Start: 92 @32042 has 15 MA's), (112, 32087), (154, 32186), (185, 32246), (204, 32282), (214, 32306), (233, 32351), (235, 32357), (258, 32408), (280, 32447), (282, 32450), (287, 32462), (305, 32477), (328, 32501), (347, 32534), (367, 32615), (377, 32660), (392, 32708), (401, 32744), (405, 32753), (409, 32759), (481, 32984),

Gene: Pippy_19 Start: 20253, Stop: 21410, Start Num: 57

Candidate Starts for Pippy_19:

(Start: 56 @20250 has 333 MA's), (Start: 57 @20253 has 3 MA's), (81, 20334), (Start: 103 @20382 has 4 MA's), (128, 20442), (131, 20451), (139, 20466), (149, 20490), (158, 20514), (165, 20526), (198, 20586), (204, 20601), (208, 20610), (217, 20634), (230, 20664), (306, 20748), (308, 20751), (320, 20772), (329, 20793), (333, 20802), (336, 20814), (340, 20823), (409, 21084), (425, 21153), (492, 21387),

Gene: Pipsqueak_33 Start: 32373, Stop: 33533, Start Num: 56

Candidate Starts for Pipsqueak_33:

(Start: 56 @32373 has 333 MA's), (Start: 92 @32484 has 15 MA's), (112, 32529), (154, 32628), (185, 32688), (204, 32724), (214, 32748), (233, 32793), (235, 32799), (258, 32850), (280, 32889), (282, 32892), (287, 32904), (305, 32919), (328, 32943), (347, 32976), (367, 33057), (377, 33102), (392, 33150), (401, 33186), (405, 33195), (409, 33201), (481, 33426),

Gene: Placalicious_32 Start: 32066, Stop: 33226, Start Num: 56

Candidate Starts for Placalicious_32:

(Start: 56 @32066 has 333 MA's), (Start: 92 @32177 has 15 MA's), (112, 32222), (154, 32321), (185, 32381), (204, 32417), (214, 32441), (233, 32486), (235, 32492), (258, 32543), (280, 32582), (282, 32585), (287, 32597), (305, 32612), (328, 32636), (347, 32669), (367, 32750), (377, 32795), (392, 32843), (401, 32879), (405, 32888), (409, 32894), (481, 33119),

Gene: Plmatters_33 Start: 32372, Stop: 33532, Start Num: 56

Candidate Starts for Plmatters_33:

(Start: 56 @32372 has 333 MA's), (Start: 92 @32483 has 15 MA's), (112, 32528), (154, 32627), (185, 32687), (204, 32723), (214, 32747), (233, 32792), (235, 32798), (258, 32849), (280, 32888), (282, 32891), (287, 32903), (328, 32942), (347, 32975), (367, 33056), (377, 33101), (392, 33149), (401, 33185), (405, 33194), (409, 33200), (481, 33425),

Gene: Podrick_33 Start: 32363, Stop: 33523, Start Num: 56

Candidate Starts for Podrick_33:

(Start: 56 @32363 has 333 MA's), (Start: 92 @32474 has 15 MA's), (112, 32519), (154, 32618), (185, 32678), (204, 32714), (214, 32738), (233, 32783), (235, 32789), (258, 32840), (280, 32879), (282, 32882), (287, 32894), (328, 32933), (347, 32966), (367, 33047), (377, 33092), (392, 33140), (401, 33176), (405, 33185), (409, 33191), (481, 33416),

Gene: Polkaroo_22 Start: 21315, Stop: 22352, Start Num: 88

Candidate Starts for Polkaroo_22:

(81, 21291), (Start: 86 @21312 has 7 MA's), (Start: 88 @21315 has 91 MA's), (102, 21339), (161, 21477), (184, 21519), (222, 21588), (250, 21648), (273, 21693), (294, 21738), (347, 21819), (364, 21876), (368, 21900), (394, 22005), (415, 22077), (434, 22122), (486, 22287),

Gene: Poochiewood_21 Start: 21688, Stop: 22860, Start Num: 56

Candidate Starts for Poochiewood_21:

(Start: 54 @21685 has 5 MA's), (Start: 56 @21688 has 333 MA's), (Start: 103 @21814 has 4 MA's), (119, 21856), (126, 21868), (127, 21871), (142, 21904), (147, 21916), (168, 21964), (175, 21982), (198, 22018), (204, 22033), (226, 22084), (237, 22114), (257, 22156), (272, 22180), (325, 22216), (327, 22222), (340, 22249), (345, 22267), (369, 22360), (370, 22363), (390, 22447), (430, 22585), (438, 22603), (467, 22687),

Gene: Pops_33 Start: 32387, Stop: 33547, Start Num: 56

Candidate Starts for Pops_33:

(Start: 56 @32387 has 333 MA's), (Start: 92 @32498 has 15 MA's), (112, 32543), (154, 32642), (185, 32702), (204, 32738), (214, 32762), (233, 32807), (235, 32813), (258, 32864), (280, 32903), (282, 32906), (287, 32918), (305, 32933), (328, 32957), (347, 32990), (367, 33071), (377, 33116), (392, 33164), (401, 33200), (405, 33209), (409, 33215), (481, 33440),

Gene: Poster_29 Start: 31578, Stop: 32735, Start Num: 59

Candidate Starts for Poster_29:

(Start: 59 @31578 has 54 MA's), (84, 31671), (Start: 92 @31686 has 15 MA's), (98, 31701), (105, 31713), (112, 31731), (151, 31821), (174, 31872), (180, 31881), (182, 31887), (190, 31899), (204, 31926), (215, 31941), (218, 31947), (222, 31953), (239, 31986), (243, 31995), (262, 32028), (286, 32061), (337, 32151), (345, 32157), (368, 32256), (369, 32259), (409, 32403), (456, 32556),

Gene: Potter_32 Start: 32087, Stop: 33247, Start Num: 56

Candidate Starts for Potter_32:

(Start: 56 @32087 has 333 MA's), (Start: 92 @32198 has 15 MA's), (112, 32243), (154, 32342), (185, 32402), (204, 32438), (214, 32462), (233, 32507), (235, 32513), (258, 32564), (280, 32603), (282, 32606), (287, 32618), (328, 32657), (347, 32690), (367, 32771), (392, 32864), (401, 32900), (405, 32909), (409, 32915), (481, 33140),

Gene: Prickles_33 Start: 32363, Stop: 33523, Start Num: 56

Candidate Starts for Prickles_33:

(Start: 56 @32363 has 333 MA's), (Start: 92 @32474 has 15 MA's), (112, 32519), (154, 32618), (185, 32678), (204, 32714), (214, 32738), (233, 32783), (235, 32789), (258, 32840), (280, 32879), (282, 32882), (287, 32894), (305, 32909), (328, 32933), (347, 32966), (367, 33047), (377, 33092), (392, 33140), (401, 33176), (405, 33185), (409, 33191), (481, 33416),

Gene: Prince_30 Start: 32761, Stop: 33918, Start Num: 59

Candidate Starts for Prince_30:

(Start: 59 @32761 has 54 MA's), (84, 32854), (Start: 92 @32869 has 15 MA's), (98, 32884), (105, 32896), (112, 32914), (132, 32956), (151, 33004), (174, 33055), (180, 33064), (190, 33082), (204, 33109), (215, 33124), (218, 33130), (222, 33136), (224, 33142), (239, 33169), (243, 33178), (262, 33211), (286, 33244), (326, 33304), (337, 33334), (345, 33340), (355, 33385), (368, 33439), (369, 33442), (409, 33586), (456, 33739),

Gene: ProfessorX_33 Start: 32358, Stop: 33518, Start Num: 56

Candidate Starts for ProfessorX_33:

(Start: 56 @32358 has 333 MA's), (Start: 92 @32469 has 15 MA's), (112, 32514), (154, 32613), (185, 32673), (204, 32709), (214, 32733), (233, 32778), (235, 32784), (258, 32835), (280, 32874), (282, 32877), (287, 32889), (328, 32928), (347, 32961), (367, 33042), (377, 33087), (392, 33135), (401, 33171), (405, 33180), (409, 33186), (481, 33411),

Gene: Psycho_28 Start: 24008, Stop: 25072, Start Num: 88

Candidate Starts for Psycho_28:

(Start: 88 @24008 has 91 MA's), (130, 24098), (144, 24128), (169, 24182), (172, 24188), (197, 24236), (218, 24275), (227, 24293), (229, 24296), (270, 24377), (294, 24425), (307, 24443), (368, 24584), (390, 24674), (391, 24677), (392, 24680), (399, 24713), (405, 24725), (433, 24812), (435, 24815), (467, 24911), (489, 25028),

Gene: Puhltonio_33 Start: 32379, Stop: 33539, Start Num: 56

Candidate Starts for Puhltonio_33:

(Start: 56 @32379 has 333 MA's), (Start: 92 @32490 has 15 MA's), (112, 32535), (154, 32634), (185, 32694), (204, 32730), (214, 32754), (233, 32799), (235, 32805), (258, 32856), (280, 32895), (282, 32898), (287, 32910), (328, 32949), (347, 32982), (367, 33063), (377, 33108), (392, 33156), (401, 33192), (405, 33201), (409, 33207), (481, 33432),

Gene: Purgamenstris_21 Start: 19877, Stop: 21031, Start Num: 59

Candidate Starts for Purgamenstris_21:

(18, 19640), (22, 19682), (27, 19712), (29, 19742), (38, 19802), (48, 19856), (Start: 59 @19877 has 54 MA's), (76, 19940), (81, 19958), (Start: 103 @20006 has 4 MA's), (128, 20066), (131, 20075), (139, 20090), (149, 20114), (158, 20138), (165, 20150), (204, 20225), (208, 20234), (217, 20258), (230, 20288), (258, 20333), (260, 20336), (263, 20342), (306, 20372), (308, 20375), (320, 20396), (367, 20555), (389, 20645), (392, 20654), (398, 20684), (409, 20705), (492, 21008),

Gene: Purky_22 Start: 21124, Stop: 22170, Start Num: 88

Candidate Starts for Purky_22:

(Start: 88 @21124 has 91 MA's), (190, 21337), (250, 21448), (273, 21490), (274, 21493), (313, 21562), (367, 21694), (373, 21730), (407, 21838), (459, 21991), (461, 22000), (466, 22012),

Gene: Quby_21 Start: 21546, Stop: 22553, Start Num: 104

Candidate Starts for Quby_21:

(Start: 70 @21468 has 4 MA's), (Start: 104 @21546 has 1 MA's), (189, 21720), (Start: 209 @21759 has 1 MA's), (228, 21798), (248, 21831), (322, 21909), (339, 21942), (384, 22104), (450, 22338), (463, 22371), (473, 22395), (479, 22440),

Gene: QueenBeane_33 Start: 32369, Stop: 33529, Start Num: 56

Candidate Starts for QueenBeane_33:

(Start: 56 @32369 has 333 MA's), (Start: 92 @32480 has 15 MA's), (112, 32525), (154, 32624), (185, 32684), (204, 32720), (214, 32744), (233, 32789), (235, 32795), (258, 32846), (280, 32885), (282,

32888), (287, 32900), (305, 32915), (328, 32939), (347, 32972), (367, 33053), (377, 33098), (392, 33146), (401, 33182), (405, 33191), (409, 33197), (481, 33422),

Gene: QueenHazel_22 Start: 21423, Stop: 22634, Start Num: 59

Candidate Starts for QueenHazel_22:

(18, 21186), (22, 21228), (29, 21288), (38, 21348), (48, 21402), (Start: 59 @21423 has 54 MA's), (81, 21504), (Start: 103 @21552 has 4 MA's), (128, 21612), (131, 21621), (139, 21636), (149, 21660), (158, 21684), (165, 21696), (181, 21732), (204, 21771), (208, 21780), (217, 21804), (230, 21834), (280, 21918), (282, 21921), (291, 21942), (306, 21978), (308, 21981), (320, 22002), (336, 22044), (367, 22161), (374, 22197), (376, 22203), (409, 22308), (429, 22389),

Gene: QueenPie_29 Start: 32702, Stop: 33859, Start Num: 59

Candidate Starts for QueenPie_29:

(Start: 59 @32702 has 54 MA's), (84, 32795), (Start: 92 @32810 has 15 MA's), (98, 32825), (105, 32837), (112, 32855), (151, 32945), (174, 32996), (180, 33005), (190, 33023), (204, 33050), (215, 33065), (218, 33071), (222, 33077), (224, 33083), (239, 33110), (243, 33119), (262, 33152), (286, 33185), (295, 33203), (326, 33245), (337, 33275), (345, 33281), (348, 33302), (368, 33380), (369, 33383), (382, 33428), (409, 33527), (456, 33680),

Gene: Quesadilla_32 Start: 33335, Stop: 34516, Start Num: 59

Candidate Starts for Quesadilla_32:

(46, 33302), (Start: 59 @33335 has 54 MA's), (Start: 92 @33452 has 15 MA's), (98, 33467), (106, 33473), (128, 33533), (148, 33581), (156, 33605), (180, 33650), (202, 33689), (207, 33701), (211, 33710), (218, 33728), (236, 33770), (244, 33785), (263, 33824), (265, 33830), (289, 33875), (293, 33881), (345, 33926), (370, 34028),

Gene: Quisquilliae_33 Start: 32397, Stop: 33557, Start Num: 56

Candidate Starts for Quisquilliae_33:

(Start: 56 @32397 has 333 MA's), (Start: 92 @32508 has 15 MA's), (112, 32553), (154, 32652), (185, 32712), (204, 32748), (214, 32772), (233, 32817), (235, 32823), (258, 32874), (280, 32913), (282, 32916), (287, 32928), (328, 32967), (347, 33000), (367, 33081), (377, 33126), (392, 33174), (401, 33210), (405, 33219), (409, 33225), (481, 33450),

Gene: Qyrzula_31 Start: 32776, Stop: 33981, Start Num: 50

Candidate Starts for Qyrzula_31:

(25, 32632), (Start: 49 @32773 has 2 MA's), (Start: 50 @32776 has 6 MA's), (77, 32845), (105, 32914), (116, 32944), (122, 32956), (126, 32962), (127, 32965), (131, 32974), (148, 33013), (151, 33022), (155, 33034), (185, 33091), (198, 33112), (204, 33127), (224, 33172), (230, 33187), (249, 33232), (284, 33301), (305, 33328), (320, 33352), (338, 33397), (345, 33418), (349, 33442), (369, 33517), (373, 33547), (392, 33607), (394, 33619), (398, 33637), (428, 33739), (467, 33844), (473, 33850), (475, 33868), (484, 33919), (491, 33955),

Gene: RagingRooster_33 Start: 32223, Stop: 33425, Start Num: 58

Candidate Starts for RagingRooster_33:

(Start: 58 @32223 has 44 MA's), (67, 32256), (122, 32400), (127, 32409), (131, 32418), (148, 32457), (151, 32466), (158, 32484), (168, 32502), (175, 32520), (180, 32526), (187, 32538), (198, 32556), (204, 32571), (218, 32604), (230, 32631), (249, 32676), (290, 32757), (313, 32784), (324, 32802), (330, 32820), (345, 32862), (349, 32886), (369, 32961), (373, 32991), (392, 33051), (394, 33063), (398, 33081), (428, 33183), (467, 33288), (473, 33294), (475, 33312), (491, 33399),

Gene: Rando14_28 Start: 22698, Stop: 23777, Start Num: 88

Candidate Starts for Rando14_28:

(Start: 88 @22698 has 91 MA's), (98, 22716), (144, 22818), (169, 22872), (171, 22875), (172, 22878), (197, 22926), (217, 22962), (218, 22965), (219, 22968), (234, 23001), (288, 23103), (294, 23115), (303, 23127), (307, 23133), (315, 23145), (327, 23166), (359, 23244), (369, 23286), (381, 23328), (390, 23373), (432, 23502),

Gene: RavenCo17_26 Start: 23835, Stop: 24911, Start Num: 88

Candidate Starts for RavenCo17_26:

(51, 23700), (Start: 88 @23835 has 91 MA's), (151, 23973), (183, 24045), (201, 24075), (272, 24225), (278, 24237), (303, 24279), (311, 24291), (347, 24348), (364, 24399), (382, 24471), (405, 24564), (463, 24726), (489, 24867),

Gene: RawrgerThat_30 Start: 32607, Stop: 33764, Start Num: 59

Candidate Starts for RawrgerThat_30:

(Start: 59 @32607 has 54 MA's), (84, 32700), (Start: 92 @32715 has 15 MA's), (98, 32730), (105, 32742), (112, 32760), (132, 32802), (174, 32901), (180, 32910), (190, 32928), (204, 32955), (215, 32970), (218, 32976), (222, 32982), (224, 32988), (239, 33015), (243, 33024), (262, 33057), (286, 33090), (337, 33180), (345, 33186), (368, 33285), (369, 33288), (409, 33432), (456, 33585),

Gene: Raymond7_21 Start: 20415, Stop: 21500, Start Num: 88

Candidate Starts for Raymond7_21:

(Start: 88 @20415 has 91 MA's), (161, 20577), (222, 20688), (226, 20697), (229, 20703), (250, 20748), (273, 20793), (347, 20919), (349, 20928), (364, 20976),

Gene: Rebel_21 Start: 19868, Stop: 20905, Start Num: 87

Candidate Starts for Rebel_21:

(33, 19631), (37, 19673), (43, 19703), (Start: 50 @19733 has 6 MA's), (68, 19793), (82, 19847), (Start: 87 @19868 has 6 MA's), (161, 20030), (184, 20072), (222, 20141), (250, 20201), (273, 20246), (294, 20291), (346, 20360), (364, 20429), (368, 20453), (394, 20558), (415, 20630), (434, 20675),

Gene: RedMaple_32 Start: 32376, Stop: 33536, Start Num: 56

Candidate Starts for RedMaple_32:

(Start: 56 @32376 has 333 MA's), (Start: 92 @32487 has 15 MA's), (112, 32532), (154, 32631), (185, 32691), (204, 32727), (214, 32751), (233, 32796), (235, 32802), (258, 32853), (280, 32892), (282, 32895), (287, 32907), (328, 32946), (347, 32979), (367, 33060), (377, 33105), (392, 33153), (401, 33189), (405, 33198), (409, 33204), (481, 33429),

Gene: RedRaider_52 Start: 38220, Stop: 39278, Start Num: 125

Candidate Starts for RedRaider_52:

(Start: 125 @38220 has 17 MA's), (205, 38394), (227, 38448), (302, 38610), (331, 38664), (394, 38907), (486, 39207),

Gene: Redi_21 Start: 19877, Stop: 21031, Start Num: 59

Candidate Starts for Redi_21:

(18, 19640), (22, 19682), (27, 19712), (29, 19742), (38, 19802), (48, 19856), (Start: 59 @19877 has 54 MA's), (76, 19940), (81, 19958), (Start: 103 @20006 has 4 MA's), (128, 20066), (131, 20075), (139, 20090), (149, 20114), (158, 20138), (165, 20150), (204, 20225), (208, 20234), (217, 20258), (230, 20288), (258, 20333), (260, 20336), (263, 20342), (306, 20372), (308, 20375), (320, 20396), (367, 20555), (389, 20645), (392, 20654), (398, 20684), (409, 20705), (492, 21008),

Gene: Rem711_30 Start: 25189, Stop: 26352, Start Num: 59

Candidate Starts for Rem711_30:

(Start: 59 @25189 has 54 MA's), (157, 25450), (190, 25510), (213, 25555), (220, 25573), (238, 25609), (326, 25717), (332, 25732), (349, 25789), (390, 25951), (431, 26101),

Gene: Reprobate_32 Start: 32861, Stop: 34366, Start Num: 15

Candidate Starts for Reprobate_32:

(Start: 15 @32861 has 9 MA's), (19, 32900), (28, 32972), (30, 32999), (36, 33050), (41, 33065), (42, 33077), (47, 33107), (Start: 58 @33128 has 44 MA's), (61, 33137), (93, 33239), (95, 33242), (122, 33314), (142, 33365), (152, 33392), (165, 33419), (192, 33470), (Start: 209 @33506 has 1 MA's), (214, 33521), (231, 33560), (236, 33575), (263, 33650), (287, 33695), (290, 33701), (295, 33710), (337, 33782), (345, 33806), (350, 33833), (361, 33872), (369, 33908), (467, 34226), (473, 34232), (495, 34352),

Gene: Rhinoforte_33 Start: 32804, Stop: 33967, Start Num: 56

Candidate Starts for Rhinoforte_33:

(26, 32657), (Start: 53 @32798 has 9 MA's), (Start: 56 @32804 has 333 MA's), (67, 32843), (77, 32873), (Start: 92 @32918 has 15 MA's), (112, 32963), (154, 33062), (185, 33122), (204, 33158), (214, 33182), (233, 33227), (235, 33233), (258, 33284), (280, 33323), (282, 33326), (287, 33338), (305, 33353), (328, 33377), (347, 33410), (367, 33491), (377, 33536), (392, 33584), (401, 33620), (405, 33629), (409, 33635), (424, 33695), (481, 33860),

Gene: Rich_31 Start: 32367, Stop: 33872, Start Num: 15

Candidate Starts for Rich_31:

(Start: 15 @32367 has 9 MA's), (16, 32385), (19, 32406), (24, 32460), (28, 32478), (34, 32529), (36, 32556), (41, 32571), (142, 32871), (152, 32898), (165, 32925), (201, 32991), (Start: 209 @33012 has 1 MA's), (214, 33027), (231, 33066), (263, 33156), (278, 33183), (283, 33192), (295, 33216), (345, 33312), (350, 33339), (361, 33378), (369, 33414), (398, 33537), (433, 33642), (473, 33738), (475, 33756), (495, 33858),

Gene: Ricotta_32 Start: 32096, Stop: 33256, Start Num: 56

Candidate Starts for Ricotta_32:

(Start: 56 @32096 has 333 MA's), (Start: 92 @32207 has 15 MA's), (112, 32252), (154, 32351), (185, 32411), (204, 32447), (214, 32471), (233, 32516), (235, 32522), (258, 32573), (280, 32612), (282, 32615), (287, 32627), (305, 32642), (328, 32666), (347, 32699), (367, 32780), (377, 32825), (392, 32873), (401, 32909), (405, 32918), (409, 32924), (481, 33149),

Gene: Riggan_33 Start: 32356, Stop: 33516, Start Num: 56

Candidate Starts for Riggan_33:

(Start: 56 @32356 has 333 MA's), (Start: 92 @32467 has 15 MA's), (112, 32512), (154, 32611), (185, 32671), (204, 32707), (214, 32731), (233, 32776), (235, 32782), (258, 32833), (280, 32872), (282, 32875), (287, 32887), (328, 32926), (347, 32959), (367, 33040), (377, 33085), (392, 33133), (401, 33169), (405, 33178), (409, 33184), (481, 33409),

Gene: Rimu_34 Start: 32105, Stop: 33265, Start Num: 56

Candidate Starts for Rimu_34:

(Start: 56 @32105 has 333 MA's), (Start: 92 @32216 has 15 MA's), (112, 32261), (154, 32360), (185, 32420), (204, 32456), (214, 32480), (233, 32525), (235, 32531), (258, 32582), (280, 32621), (282, 32624), (287, 32636), (305, 32651), (328, 32675), (347, 32708), (367, 32789), (377, 32834), (392, 32882), (401, 32918), (405, 32927), (409, 32933), (481, 33158),

Gene: Rinke_34 Start: 33816, Stop: 35012, Start Num: 56

Candidate Starts for Rinke_34:

(40, 33759), (45, 33795), (Start: 56 @33816 has 333 MA's), (69, 33861), (79, 33906), (Start: 92 @33939 has 15 MA's), (Start: 104 @33963 has 1 MA's), (112, 33984), (117, 33999), (120, 34005), (139, 34044), (142, 34050), (148, 34065), (151, 34074), (168, 34110), (174, 34125), (180, 34134), (196, 34161), (198, 34164), (208, 34188), (211, 34194), (233, 34251), (234, 34254), (256, 34302),

(257, 34305), (263, 34317), (278, 34344), (283, 34353), (284, 34356), (298, 34380), (329, 34431), (343, 34470), (347, 34491), (366, 34563), (367, 34569), (395, 34677), (402, 34698), (409, 34710), (444, 34812), (451, 34821), (480, 34914),

Gene: Rita130_32 Start: 32589, Stop: 34094, Start Num: 15

Candidate Starts for Rita130_32:

(Start: 15 @32589 has 9 MA's), (16, 32607), (19, 32628), (24, 32682), (35, 32760), (36, 32778), (41, 32793), (42, 32805), (122, 33042), (142, 33093), (152, 33120), (165, 33147), (Start: 209 @33234 has 1 MA's), (214, 33249), (231, 33288), (263, 33378), (295, 33438), (350, 33561), (361, 33600), (369, 33636), (473, 33960), (495, 34080),

Gene: Rita1961_33 Start: 32206, Stop: 33408, Start Num: 58

Candidate Starts for Rita1961_33:

(Start: 58 @32206 has 44 MA's), (67, 32239), (122, 32383), (127, 32392), (131, 32401), (148, 32440), (151, 32449), (158, 32467), (185, 32518), (190, 32527), (198, 32539), (201, 32545), (204, 32554), (224, 32599), (230, 32614), (249, 32659), (284, 32728), (292, 32743), (305, 32755), (320, 32779), (339, 32827), (342, 32833), (343, 32839), (345, 32845), (349, 32869), (369, 32944), (373, 32974), (392, 33034), (394, 33046), (398, 33064), (427, 33163), (428, 33166), (467, 33271), (473, 33277), (475, 33295), (491, 33382),

Gene: Robyn_32 Start: 31940, Stop: 33100, Start Num: 56

Candidate Starts for Robyn_32:

(Start: 56 @31940 has 333 MA's), (Start: 92 @32051 has 15 MA's), (112, 32096), (154, 32195), (185, 32255), (204, 32291), (214, 32315), (233, 32360), (235, 32366), (258, 32417), (280, 32456), (282, 32459), (287, 32471), (328, 32510), (347, 32543), (367, 32624), (377, 32669), (392, 32717), (401, 32753), (405, 32762), (409, 32768), (481, 32993),

Gene: Roliet_33 Start: 32365, Stop: 33525, Start Num: 56

Candidate Starts for Roliet_33:

(Start: 56 @32365 has 333 MA's), (Start: 92 @32476 has 15 MA's), (112, 32521), (154, 32620), (185, 32680), (204, 32716), (214, 32740), (233, 32785), (235, 32791), (258, 32842), (280, 32881), (282, 32884), (287, 32896), (305, 32911), (328, 32935), (347, 32968), (367, 33049), (377, 33094), (392, 33142), (401, 33178), (405, 33187), (409, 33193), (481, 33418),

Gene: RomaT_33 Start: 32996, Stop: 34198, Start Num: 58

Candidate Starts for RomaT_33:

(Start: 58 @32996 has 44 MA's), (67, 33029), (122, 33173), (127, 33182), (131, 33191), (148, 33230), (151, 33239), (158, 33257), (168, 33275), (175, 33293), (180, 33299), (187, 33311), (198, 33329), (204, 33344), (218, 33377), (230, 33404), (249, 33449), (290, 33530), (313, 33557), (324, 33575), (330, 33593), (345, 33635), (349, 33659), (369, 33734), (373, 33764), (392, 33824), (394, 33836), (398, 33854), (428, 33956), (467, 34061), (473, 34067), (475, 34085), (491, 34172),

Gene: Roscoe_34 Start: 32603, Stop: 33763, Start Num: 56

Candidate Starts for Roscoe_34:

(Start: 56 @32603 has 333 MA's), (Start: 92 @32714 has 15 MA's), (112, 32759), (154, 32858), (185, 32918), (204, 32954), (214, 32978), (233, 33023), (235, 33029), (258, 33080), (280, 33119), (282, 33122), (287, 33134), (328, 33173), (347, 33206), (367, 33287), (377, 33332), (392, 33380), (401, 33416), (405, 33425), (409, 33431), (481, 33656),

Gene: Rose5_21 Start: 21688, Stop: 22860, Start Num: 56

Candidate Starts for Rose5_21:

(Start: 54 @21685 has 5 MA's), (Start: 56 @21688 has 333 MA's), (Start: 103 @21814 has 4 MA's), (119, 21856), (126, 21868), (127, 21871), (142, 21904), (147, 21916), (168, 21964), (175, 21982),

(198, 22018), (204, 22033), (226, 22084), (237, 22114), (257, 22156), (272, 22180), (325, 22216), (327, 22222), (340, 22249), (345, 22267), (369, 22360), (370, 22363), (390, 22447), (430, 22585), (438, 22603), (467, 22687),

Gene: Rosebush_33 Start: 32811, Stop: 33974, Start Num: 56

Candidate Starts for Rosebush_33:

(26, 32664), (Start: 53 @32805 has 9 MA's), (Start: 56 @32811 has 333 MA's), (67, 32850), (77, 32880), (Start: 92 @32925 has 15 MA's), (112, 32970), (154, 33069), (185, 33129), (204, 33165), (214, 33189), (233, 33234), (235, 33240), (258, 33291), (280, 33330), (282, 33333), (287, 33345), (305, 33360), (328, 33384), (347, 33417), (367, 33498), (392, 33591), (401, 33627), (405, 33636), (409, 33642), (424, 33702), (481, 33867),

Gene: Roy17_33 Start: 32069, Stop: 33229, Start Num: 56

Candidate Starts for Roy17_33:

(Start: 56 @32069 has 333 MA's), (Start: 92 @32180 has 15 MA's), (112, 32225), (154, 32324), (185, 32384), (204, 32420), (214, 32444), (233, 32489), (235, 32495), (258, 32546), (280, 32585), (282, 32588), (287, 32600), (305, 32615), (328, 32639), (347, 32672), (367, 32753), (377, 32798), (392, 32846), (401, 32882), (405, 32891), (409, 32897), (481, 33122),

Gene: Rubeelu_22 Start: 19998, Stop: 21038, Start Num: 87

Candidate Starts for Rubeelu_22:

(72, 19932), (Start: 87 @19998 has 6 MA's), (158, 20157), (161, 20163), (219, 20271), (222, 20274), (229, 20289), (273, 20379), (294, 20424), (347, 20505), (364, 20562), (368, 20586), (390, 20673), (394, 20691), (415, 20763), (434, 20808), (486, 20973),

Gene: Ruthiejr_29 Start: 24262, Stop: 25296, Start Num: 87

Candidate Starts for Ruthiejr_29:

(72, 24196), (Start: 87 @24262 has 6 MA's), (158, 24418), (159, 24421), (184, 24466), (190, 24475), (229, 24550), (273, 24637), (294, 24682), (347, 24763), (364, 24820), (368, 24844), (394, 24949), (415, 25021), (439, 25081), (486, 25231),

Gene: SDcharge11_33 Start: 32343, Stop: 33503, Start Num: 56

Candidate Starts for SDcharge11_33:

(Start: 56 @32343 has 333 MA's), (Start: 92 @32454 has 15 MA's), (112, 32499), (154, 32598), (185, 32658), (204, 32694), (214, 32718), (233, 32763), (235, 32769), (258, 32820), (280, 32859), (282, 32862), (287, 32874), (305, 32889), (328, 32913), (347, 32946), (367, 33027), (377, 33072), (392, 33120), (401, 33156), (405, 33165), (409, 33171), (481, 33396),

Gene: Sabella_33 Start: 32688, Stop: 33851, Start Num: 56

Candidate Starts for Sabella_33:

(26, 32541), (Start: 53 @32682 has 9 MA's), (Start: 56 @32688 has 333 MA's), (67, 32727), (77, 32757), (Start: 92 @32802 has 15 MA's), (112, 32847), (154, 32946), (185, 33006), (204, 33042), (214, 33066), (233, 33111), (235, 33117), (258, 33168), (280, 33207), (282, 33210), (287, 33222), (305, 33237), (328, 33261), (347, 33294), (367, 33375), (392, 33468), (401, 33504), (405, 33513), (409, 33519), (481, 33744),

Gene: Sadboi_34 Start: 30140, Stop: 30934, Start Num: 209

Candidate Starts for Sadboi_34:

(172, 30062), (176, 30074), (178, 30077), (Start: 209 @30140 has 1 MA's), (219, 30167), (250, 30227), (305, 30329), (347, 30392), (393, 30563), (467, 30797),

Gene: Saguaro_32 Start: 33436, Stop: 34548, Start Num: 59

Candidate Starts for Saguaro_32:

(20, 33223), (46, 33406), (Start: 59 @33436 has 54 MA's), (Start: 92 @33550 has 15 MA's), (109, 33577), (118, 33610), (126, 33625), (128, 33631), (148, 33679), (151, 33688), (185, 33757), (198, 33778), (208, 33802), (211, 33808), (242, 33883), (245, 33889), (255, 33907), (258, 33916), (263, 33925), (265, 33931), (357, 34051), (427, 34303), (469, 34411), (473, 34417),

Gene: SamScheppers_27 Start: 24552, Stop: 25625, Start Num: 86

Candidate Starts for SamScheppers_27:

(Start: 86 @24552 has 7 MA's), (Start: 88 @24555 has 91 MA's), (206, 24795), (222, 24831), (226, 24840), (229, 24846), (250, 24891), (273, 24936), (282, 24954), (294, 24981), (347, 25062), (364, 25119), (368, 25143),

Gene: Samaymay_33 Start: 32369, Stop: 33529, Start Num: 56

Candidate Starts for Samaymay_33:

(Start: 56 @32369 has 333 MA's), (Start: 92 @32480 has 15 MA's), (112, 32525), (154, 32624), (185, 32684), (204, 32720), (214, 32744), (233, 32789), (235, 32795), (258, 32846), (280, 32885), (282, 32888), (287, 32900), (305, 32915), (328, 32939), (347, 32972), (367, 33053), (377, 33098), (392, 33146), (401, 33182), (405, 33191), (409, 33197), (481, 33422),

Gene: Samty_22 Start: 22250, Stop: 23467, Start Num: 56

Candidate Starts for Samty_22:

(Start: 56 @22250 has 333 MA's), (90, 22352), (97, 22364), (105, 22382), (110, 22391), (126, 22430), (142, 22466), (148, 22481), (150, 22487), (163, 22517), (165, 22520), (181, 22556), (189, 22568), (214, 22619), (215, 22622), (240, 22682), (253, 22709), (260, 22724), (263, 22730), (271, 22742), (301, 22802), (316, 22826), (345, 22886), (368, 22982), (373, 23015), (394, 23087), (401, 23111), (409, 23126), (477, 23339), (479, 23351),

Gene: Sarma624_20 Start: 20090, Stop: 21244, Start Num: 59

Candidate Starts for Sarma624_20:

(Start: 56 @20087 has 333 MA's), (Start: 59 @20090 has 54 MA's), (Start: 103 @20219 has 4 MA's), (115, 20249), (128, 20279), (131, 20288), (139, 20303), (149, 20327), (158, 20351), (165, 20363), (204, 20438), (208, 20447), (217, 20471), (230, 20501), (306, 20585), (308, 20588), (320, 20609), (389, 20858), (392, 20867), (398, 20897), (409, 20918), (425, 20987), (492, 21221),

Gene: SassyCat97_32 Start: 32075, Stop: 33235, Start Num: 56

Candidate Starts for SassyCat97_32:

(Start: 56 @32075 has 333 MA's), (Start: 92 @32186 has 15 MA's), (112, 32231), (154, 32330), (185, 32390), (204, 32426), (214, 32450), (233, 32495), (235, 32501), (258, 32552), (280, 32591), (282, 32594), (287, 32606), (328, 32645), (347, 32678), (367, 32759), (377, 32804), (392, 32852), (401, 32888), (405, 32897), (409, 32903), (481, 33128),

Gene: Sbash_21 Start: 21030, Stop: 22079, Start Num: 88

Candidate Starts for Sbash_21:

(Start: 88 @21030 has 91 MA's), (161, 21192), (190, 21243), (226, 21306), (280, 21411), (367, 21600), (373, 21636), (394, 21708), (436, 21843), (459, 21897), (482, 21987),

Gene: Schadenfreude_32 Start: 31926, Stop: 33086, Start Num: 56

Candidate Starts for Schadenfreude_32:

(Start: 56 @31926 has 333 MA's), (Start: 92 @32037 has 15 MA's), (112, 32082), (154, 32181), (185, 32241), (204, 32277), (214, 32301), (233, 32346), (235, 32352), (258, 32403), (280, 32442), (282, 32445), (287, 32457), (328, 32496), (347, 32529), (367, 32610), (377, 32655), (392, 32703), (401, 32739), (405, 32748), (409, 32754), (481, 32979),

Gene: Schueller_33 Start: 32091, Stop: 33251, Start Num: 56

Candidate Starts for Schueller_33:

(Start: 56 @32091 has 333 MA's), (Start: 92 @32202 has 15 MA's), (112, 32247), (154, 32346), (185, 32406), (204, 32442), (214, 32466), (233, 32511), (235, 32517), (258, 32568), (280, 32607), (282, 32610), (287, 32622), (328, 32661), (347, 32694), (367, 32775), (377, 32820), (392, 32868), (401, 32904), (405, 32913), (409, 32919), (481, 33144),

Gene: Scitech_21 Start: 20194, Stop: 21228, Start Num: 88

Candidate Starts for Scitech_21:

(Start: 88 @20194 has 91 MA's), (158, 20350), (161, 20356), (219, 20464), (222, 20467), (229, 20482), (273, 20569), (294, 20614), (347, 20695), (364, 20752), (368, 20776), (394, 20881), (415, 20953), (434, 20998),

Gene: Scoot17C_33 Start: 32368, Stop: 33528, Start Num: 56

Candidate Starts for Scoot17C_33:

(Start: 56 @32368 has 333 MA's), (Start: 92 @32479 has 15 MA's), (112, 32524), (154, 32623), (185, 32683), (204, 32719), (214, 32743), (233, 32788), (235, 32794), (258, 32845), (280, 32884), (282, 32887), (287, 32899), (305, 32914), (328, 32938), (347, 32971), (367, 33052), (377, 33097), (392, 33145), (401, 33181), (405, 33190), (409, 33196), (481, 33421),

Gene: Scrick_33 Start: 32093, Stop: 33253, Start Num: 56

Candidate Starts for Scrick_33:

(Start: 56 @32093 has 333 MA's), (Start: 92 @32204 has 15 MA's), (112, 32249), (154, 32348), (185, 32408), (204, 32444), (214, 32468), (233, 32513), (235, 32519), (258, 32570), (280, 32609), (282, 32612), (287, 32624), (305, 32639), (328, 32663), (347, 32696), (367, 32777), (377, 32822), (392, 32870), (401, 32906), (405, 32915), (409, 32921), (481, 33146),

Gene: Sejanus_28 Start: 29684, Stop: 30844, Start Num: 56

Candidate Starts for Sejanus_28:

(Start: 56 @29684 has 333 MA's), (66, 29720), (77, 29753), (Start: 92 @29798 has 15 MA's), (112, 29843), (113, 29846), (204, 30038), (214, 30062), (217, 30068), (235, 30113), (236, 30116), (258, 30164), (292, 30227), (293, 30230), (330, 30263), (361, 30338), (367, 30368), (398, 30491), (402, 30500), (405, 30506), (494, 30827),

Gene: Selr12_33 Start: 32097, Stop: 33257, Start Num: 56

Candidate Starts for Selr12_33:

(Start: 56 @32097 has 333 MA's), (Start: 92 @32208 has 15 MA's), (112, 32253), (154, 32352), (185, 32412), (204, 32448), (214, 32472), (233, 32517), (235, 32523), (258, 32574), (280, 32613), (282, 32616), (287, 32628), (305, 32643), (328, 32667), (347, 32700), (367, 32781), (377, 32826), (392, 32874), (401, 32910), (405, 32919), (409, 32925), (481, 33150),

Gene: Serendipitous_31 Start: 32443, Stop: 33945, Start Num: 15

Candidate Starts for Serendipitous_31:

(Start: 15 @32443 has 9 MA's), (16, 32461), (17, 32473), (19, 32482), (24, 32536), (28, 32554), (36, 32632), (41, 32647), (42, 32659), (74, 32767), (89, 32815), (97, 32827), (132, 32920), (142, 32947), (149, 32965), (152, 32974), (155, 32983), (165, 33001), (192, 33052), (201, 33067), (Start: 209 @33088 has 1 MA's), (231, 33139), (260, 33223), (263, 33229), (276, 33253), (287, 33274), (309, 33301), (345, 33385), (350, 33412), (361, 33451), (369, 33487), (427, 33700), (473, 33811), (495, 33931),

Gene: Serendipity_33 Start: 32393, Stop: 33553, Start Num: 56

Candidate Starts for Serendipity_33:

(Start: 56 @32393 has 333 MA's), (Start: 92 @32504 has 15 MA's), (112, 32549), (154, 32648), (185, 32708), (204, 32744), (214, 32768), (233, 32813), (235, 32819), (258, 32870), (280, 32909), (282,

32912), (287, 32924), (305, 32939), (328, 32963), (347, 32996), (367, 33077), (377, 33122), (392, 33170), (401, 33206), (405, 33215), (409, 33221), (481, 33446),

Gene: Serpentine_0033 Start: 32374, Stop: 33534, Start Num: 56

Candidate Starts for Serpentine_0033:

(Start: 56 @32374 has 333 MA's), (Start: 92 @32485 has 15 MA's), (112, 32530), (154, 32629), (185, 32689), (204, 32725), (214, 32749), (233, 32794), (235, 32800), (258, 32851), (280, 32890), (282, 32893), (287, 32905), (305, 32920), (328, 32944), (347, 32977), (367, 33058), (377, 33103), (392, 33151), (401, 33187), (405, 33196), (409, 33202), (481, 33427),

Gene: Sheila_33 Start: 32411, Stop: 33571, Start Num: 56

Candidate Starts for Sheila_33:

(Start: 56 @32411 has 333 MA's), (Start: 92 @32522 has 15 MA's), (112, 32567), (154, 32666), (185, 32726), (204, 32762), (214, 32786), (233, 32831), (235, 32837), (258, 32888), (280, 32927), (282, 32930), (287, 32942), (305, 32957), (328, 32981), (347, 33014), (367, 33095), (377, 33140), (392, 33188), (401, 33224), (405, 33233), (409, 33239), (481, 33464),

Gene: Sheng711_21 Start: 21427, Stop: 22581, Start Num: 56

Candidate Starts for Sheng711_21:

(Start: 56 @21427 has 333 MA's), (90, 21529), (97, 21541), (127, 21610), (168, 21703), (198, 21757), (211, 21787), (214, 21796), (231, 21835), (252, 21883), (263, 21907), (271, 21919), (316, 21943), (351, 22033), (383, 22150), (389, 22186), (392, 22195), (410, 22252), (417, 22291),

Gene: Shenyu_32 Start: 32544, Stop: 34049, Start Num: 15

Candidate Starts for Shenyu_32:

(Start: 15 @32544 has 9 MA's), (19, 32583), (28, 32655), (35, 32715), (36, 32733), (41, 32748), (124, 33000), (136, 33030), (142, 33048), (152, 33075), (165, 33102), (214, 33204), (231, 33243), (236, 33258), (263, 33333), (287, 33378), (290, 33384), (295, 33393), (345, 33489), (361, 33555), (369, 33591), (427, 33804), (473, 33915), (495, 34035),

Gene: ShiVal_33 Start: 32367, Stop: 33527, Start Num: 56

Candidate Starts for ShiVal_33:

(Start: 56 @32367 has 333 MA's), (Start: 92 @32478 has 15 MA's), (112, 32523), (154, 32622), (185, 32682), (204, 32718), (214, 32742), (233, 32787), (235, 32793), (258, 32844), (280, 32883), (282, 32886), (287, 32898), (328, 32937), (347, 32970), (367, 33051), (377, 33096), (392, 33144), (401, 33180), (405, 33189), (409, 33195), (481, 33420),

Gene: ShrimpFriedEgg_21 Start: 19877, Stop: 21031, Start Num: 59

Candidate Starts for ShrimpFriedEgg_21:

(18, 19640), (22, 19682), (27, 19712), (29, 19742), (38, 19802), (48, 19856), (Start: 59 @19877 has 54 MA's), (76, 19940), (81, 19958), (Start: 103 @20006 has 4 MA's), (128, 20066), (131, 20075), (139, 20090), (149, 20114), (158, 20138), (165, 20150), (204, 20225), (208, 20234), (217, 20258), (230, 20288), (258, 20333), (260, 20336), (263, 20342), (306, 20372), (308, 20375), (320, 20396), (367, 20555), (389, 20645), (392, 20654), (398, 20684), (409, 20705), (492, 21008),

Gene: Shweta_21 Start: 20201, Stop: 21238, Start Num: 85

Candidate Starts for Shweta_21:

(Start: 85 @20201 has 8 MA's), (158, 20357), (161, 20363), (184, 20405), (219, 20471), (222, 20474), (250, 20534), (273, 20579), (294, 20624), (347, 20705), (364, 20762), (368, 20786), (394, 20891), (415, 20963), (434, 21008),

Gene: Sigman_33 Start: 32359, Stop: 33519, Start Num: 56

Candidate Starts for Sigman_33:

(Start: 56 @32359 has 333 MA's), (Start: 92 @32470 has 15 MA's), (112, 32515), (154, 32614), (185, 32674), (204, 32710), (214, 32734), (233, 32779), (235, 32785), (258, 32836), (280, 32875), (282, 32878), (287, 32890), (305, 32905), (328, 32929), (347, 32962), (367, 33043), (377, 33088), (392, 33136), (401, 33172), (405, 33181), (409, 33187), (481, 33412),

Gene: SilverBell_33 Start: 32389, Stop: 33549, Start Num: 56

Candidate Starts for SilverBell_33:

(Start: 56 @32389 has 333 MA's), (Start: 92 @32500 has 15 MA's), (112, 32545), (154, 32644), (185, 32704), (204, 32740), (214, 32764), (233, 32809), (235, 32815), (258, 32866), (280, 32905), (282, 32908), (287, 32920), (328, 32959), (347, 32992), (367, 33073), (377, 33118), (392, 33166), (401, 33202), (405, 33211), (409, 33217), (481, 33442),

Gene: Silverleaf_21 Start: 21688, Stop: 22860, Start Num: 56

Candidate Starts for Silverleaf_21:

(Start: 54 @21685 has 5 MA's), (Start: 56 @21688 has 333 MA's), (Start: 103 @21814 has 4 MA's), (119, 21856), (126, 21868), (127, 21871), (142, 21904), (147, 21916), (168, 21964), (175, 21982), (198, 22018), (204, 22033), (226, 22084), (237, 22114), (257, 22156), (272, 22180), (325, 22216), (327, 22222), (340, 22249), (345, 22267), (369, 22360), (370, 22363), (390, 22447), (430, 22585), (438, 22603), (467, 22687),

Gene: Simielle_32 Start: 32062, Stop: 33222, Start Num: 56

Candidate Starts for Simielle_32:

(Start: 56 @32062 has 333 MA's), (Start: 92 @32173 has 15 MA's), (112, 32218), (154, 32317), (185, 32377), (204, 32413), (214, 32437), (233, 32482), (235, 32488), (258, 32539), (280, 32578), (282, 32581), (287, 32593), (305, 32608), (328, 32632), (347, 32665), (367, 32746), (377, 32791), (392, 32839), (401, 32875), (405, 32884), (409, 32890), (481, 33115),

Gene: SirJeffery_32 Start: 32588, Stop: 34093, Start Num: 15

Candidate Starts for SirJeffery_32:

(Start: 15 @32588 has 9 MA's), (16, 32606), (19, 32627), (24, 32681), (35, 32759), (36, 32777), (41, 32792), (42, 32804), (122, 33041), (142, 33092), (152, 33119), (165, 33146), (Start: 209 @33233 has 1 MA's), (214, 33248), (231, 33287), (263, 33377), (295, 33437), (350, 33560), (361, 33599), (369, 33635), (473, 33959), (495, 34079),

Gene: Skinny_32 Start: 27432, Stop: 28493, Start Num: 88

Candidate Starts for Skinny_32:

(Start: 88 @27432 has 91 MA's), (108, 27468), (127, 27510), (169, 27600), (179, 27621), (193, 27648), (226, 27711), (272, 27801), (277, 27813), (283, 27822), (311, 27867), (349, 27933), (368, 28005), (390, 28095), (394, 28113), (432, 28230), (437, 28242), (467, 28332),

Gene: SkinnyPete_21 Start: 20204, Stop: 21241, Start Num: 88

Candidate Starts for SkinnyPete_21:

(Start: 88 @20204 has 91 MA's), (158, 20360), (161, 20366), (219, 20474), (229, 20492), (273, 20582), (294, 20627), (347, 20708), (368, 20789), (390, 20876), (394, 20894), (415, 20966), (434, 21011), (486, 21176),

Gene: Skippy_33 Start: 32357, Stop: 33517, Start Num: 56

Candidate Starts for Skippy_33:

(Start: 56 @32357 has 333 MA's), (Start: 92 @32468 has 15 MA's), (112, 32513), (154, 32612), (185, 32672), (204, 32708), (214, 32732), (233, 32777), (235, 32783), (258, 32834), (280, 32873), (282, 32876), (287, 32888), (328, 32927), (347, 32960), (367, 33041), (377, 33086), (392, 33134), (401, 33170), (405, 33179), (409, 33185), (481, 33410),

Gene: Skysand_47 Start: 36418, Stop: 37479, Start Num: 125

Candidate Starts for Skysand_47:

(Start: 125 @36418 has 17 MA's), (211, 36604), (294, 36790), (296, 36793), (369, 37003),

Gene: Slatt_33 Start: 32383, Stop: 33543, Start Num: 56

Candidate Starts for Slatt_33:

(Start: 56 @32383 has 333 MA's), (Start: 92 @32494 has 15 MA's), (112, 32539), (154, 32638), (185, 32698), (204, 32734), (214, 32758), (233, 32803), (235, 32809), (258, 32860), (280, 32899), (282, 32902), (287, 32914), (328, 32953), (347, 32986), (367, 33067), (377, 33112), (392, 33160), (401, 33196), (405, 33205), (409, 33211), (481, 33436),

Gene: SlimJimmy_30 Start: 26975, Stop: 28030, Start Num: 88

Candidate Starts for SlimJimmy_30:

(Start: 88 @26975 has 91 MA's), (190, 27188), (212, 27224), (240, 27287), (280, 27359), (294, 27389), (309, 27410), (331, 27446), (349, 27482), (364, 27530), (367, 27551), (369, 27557), (373, 27587), (375, 27590), (389, 27638), (459, 27848), (476, 27902),

Gene: SlippinJimmy_33 Start: 32984, Stop: 34186, Start Num: 58

Candidate Starts for SlippinJimmy_33:

(Start: 58 @32984 has 44 MA's), (67, 33017), (122, 33161), (127, 33170), (131, 33179), (148, 33218), (151, 33227), (158, 33245), (168, 33263), (175, 33281), (180, 33287), (187, 33299), (198, 33317), (204, 33332), (218, 33365), (230, 33392), (249, 33437), (290, 33518), (313, 33545), (324, 33563), (330, 33581), (345, 33623), (373, 33752), (380, 33761), (398, 33842), (428, 33944), (450, 34001), (454, 34010), (467, 34049), (483, 34121), (492, 34163),

Gene: Snekmaggedon_21 Start: 20006, Stop: 21031, Start Num: 103

Candidate Starts for Snekmaggedon_21:

(18, 19640), (22, 19682), (27, 19712), (29, 19742), (38, 19802), (48, 19856), (Start: 59 @19877 has 54 MA's), (81, 19958), (Start: 103 @20006 has 4 MA's), (128, 20066), (131, 20075), (139, 20090), (149, 20114), (158, 20138), (165, 20150), (204, 20225), (208, 20234), (217, 20258), (230, 20288), (306, 20372), (308, 20375), (320, 20396), (367, 20555), (389, 20645), (392, 20654), (398, 20684), (409, 20705), (492, 21008),

Gene: Snenia_22 Start: 22248, Stop: 23465, Start Num: 56

Candidate Starts for Snenia_22:

(Start: 56 @22248 has 333 MA's), (90, 22350), (97, 22362), (105, 22380), (110, 22389), (126, 22428), (142, 22464), (148, 22479), (150, 22485), (163, 22515), (165, 22518), (181, 22554), (189, 22566), (214, 22617), (215, 22620), (240, 22680), (253, 22707), (260, 22722), (263, 22728), (271, 22740), (301, 22800), (316, 22824), (345, 22884), (368, 22980), (373, 23013), (394, 23085), (401, 23109), (477, 23337), (479, 23349),

Gene: SoSeph_27 Start: 24081, Stop: 25148, Start Num: 88

Candidate Starts for SoSeph_27:

(Start: 88 @24081 has 91 MA's), (143, 24198), (169, 24255), (193, 24303), (197, 24309), (227, 24366), (229, 24369), (234, 24384), (250, 24411), (270, 24450), (273, 24453), (278, 24465), (280, 24468), (282, 24471), (288, 24486), (320, 24531), (324, 24537), (349, 24591), (364, 24639), (370, 24669), (385, 24714), (418, 24843), (436, 24897),

Gene: Soile_33 Start: 32089, Stop: 33249, Start Num: 56

Candidate Starts for Soile_33:

(Start: 56 @32089 has 333 MA's), (Start: 92 @32200 has 15 MA's), (112, 32245), (154, 32344), (185, 32404), (204, 32440), (214, 32464), (233, 32509), (235, 32515), (258, 32566), (280, 32605), (282, 32608), (287, 32620), (328, 32659), (347, 32692), (367, 32773), (377, 32818), (392, 32866), (401,

32902), (405, 32911), (409, 32917), (481, 33142),

Gene: Solosis_32 Start: 32084, Stop: 33244, Start Num: 56

Candidate Starts for Solosis_32:

(Start: 56 @32084 has 333 MA's), (Start: 92 @32195 has 15 MA's), (112, 32240), (154, 32339), (185, 32399), (204, 32435), (214, 32459), (233, 32504), (235, 32510), (258, 32561), (280, 32600), (282, 32603), (287, 32615), (305, 32630), (328, 32654), (347, 32687), (367, 32768), (377, 32813), (392, 32861), (401, 32897), (405, 32906), (409, 32912), (481, 33137),

Gene: Sonah_22 Start: 21289, Stop: 22326, Start Num: 88

Candidate Starts for Sonah_22:

(81, 21265), (Start: 86 @21286 has 7 MA's), (Start: 88 @21289 has 91 MA's), (102, 21313), (161, 21451), (184, 21493), (222, 21562), (250, 21622), (273, 21667), (294, 21712), (347, 21793), (364, 21850), (368, 21874), (394, 21979), (415, 22051), (434, 22096), (486, 22261),

Gene: Sophia_32 Start: 32084, Stop: 33244, Start Num: 56

Candidate Starts for Sophia_32:

(Start: 56 @32084 has 333 MA's), (Start: 92 @32195 has 15 MA's), (112, 32240), (154, 32339), (185, 32399), (204, 32435), (214, 32459), (233, 32504), (235, 32510), (258, 32561), (280, 32600), (282, 32603), (287, 32615), (328, 32654), (347, 32687), (367, 32768), (377, 32813), (392, 32861), (401, 32897), (405, 32906), (409, 32912), (481, 33137),

Gene: SororFago_32 Start: 24455, Stop: 25399, Start Num: 56

Candidate Starts for SororFago_32:

(Start: 56 @24455 has 333 MA's), (98, 24578), (115, 24614), (148, 24689), (175, 24752), (180, 24758), (198, 24791), (244, 24893),

Gene: Soto_33 Start: 32377, Stop: 33537, Start Num: 56

Candidate Starts for Soto_33:

(Start: 56 @32377 has 333 MA's), (Start: 92 @32488 has 15 MA's), (112, 32533), (154, 32632), (185, 32692), (204, 32728), (214, 32752), (233, 32797), (235, 32803), (258, 32854), (280, 32893), (282, 32896), (287, 32908), (305, 32923), (328, 32947), (347, 32980), (367, 33061), (377, 33106), (392, 33154), (401, 33190), (405, 33199), (409, 33205), (481, 33430),

Gene: Sparky_21 Start: 21885, Stop: 22931, Start Num: 88

Candidate Starts for Sparky_21:

(Start: 88 @21885 has 91 MA's), (190, 22098), (194, 22104), (250, 22209), (273, 22251), (274, 22254), (313, 22323), (367, 22455), (373, 22491), (407, 22599), (459, 22752), (461, 22761), (466, 22773),

Gene: Spartan300_33 Start: 32363, Stop: 33523, Start Num: 56

Candidate Starts for Spartan300_33:

(Start: 56 @32363 has 333 MA's), (Start: 92 @32474 has 15 MA's), (112, 32519), (154, 32618), (185, 32678), (204, 32714), (214, 32738), (233, 32783), (235, 32789), (258, 32840), (280, 32879), (282, 32882), (287, 32894), (328, 32933), (347, 32966), (367, 33047), (377, 33092), (392, 33140), (401, 33176), (405, 33185), (409, 33191), (481, 33416),

Gene: SpongeBob_21 Start: 19877, Stop: 21031, Start Num: 59

Candidate Starts for SpongeBob_21:

(18, 19640), (22, 19682), (27, 19712), (29, 19742), (38, 19802), (48, 19856), (Start: 59 @19877 has 54 MA's), (81, 19958), (Start: 103 @20006 has 4 MA's), (128, 20066), (131, 20075), (139, 20090), (149, 20114), (158, 20138), (165, 20150), (204, 20225), (208, 20234), (217, 20258), (230, 20288), (306, 20372), (308, 20375), (320, 20396), (367, 20555), (389, 20645), (392, 20654), (398, 20684), (409, 20705), (492, 21008),

Gene: Squid_33 Start: 32075, Stop: 33235, Start Num: 56

Candidate Starts for Squid_33:

(Start: 56 @32075 has 333 MA's), (Start: 92 @32186 has 15 MA's), (112, 32231), (154, 32330), (185, 32390), (204, 32426), (214, 32450), (233, 32495), (235, 32501), (258, 32552), (280, 32591), (282, 32594), (287, 32606), (328, 32645), (347, 32678), (367, 32759), (377, 32804), (392, 32852), (401, 32888), (405, 32897), (409, 32903), (481, 33128),

Gene: Squiggle_33 Start: 32087, Stop: 33247, Start Num: 56

Candidate Starts for Squiggle_33:

(Start: 56 @32087 has 333 MA's), (Start: 92 @32198 has 15 MA's), (112, 32243), (154, 32342), (185, 32402), (204, 32438), (214, 32462), (233, 32507), (235, 32513), (258, 32564), (280, 32603), (282, 32606), (287, 32618), (305, 32633), (328, 32657), (347, 32690), (367, 32771), (377, 32816), (392, 32864), (401, 32900), (405, 32909), (409, 32915), (481, 33140),

Gene: Squirty_20 Start: 19922, Stop: 21079, Start Num: 58

Candidate Starts for Squirty_20:

(Start: 58 @19922 has 44 MA's), (81, 20003), (Start: 92 @20030 has 15 MA's), (Start: 103 @20051 has 4 MA's), (128, 20111), (139, 20135), (142, 20141), (149, 20159), (153, 20171), (158, 20183), (165, 20195), (181, 20231), (198, 20255), (204, 20270), (208, 20279), (217, 20303), (224, 20318), (230, 20333), (306, 20417), (308, 20420), (320, 20441), (329, 20462), (333, 20471), (336, 20483), (340, 20492), (409, 20753), (425, 20822), (492, 21056),

Gene: Stargaze_23 Start: 23284, Stop: 24429, Start Num: 56

Candidate Starts for Stargaze_23:

(3, 22495), (7, 22654), (8, 22762), (12, 22864), (44, 23260), (Start: 56 @23284 has 333 MA's), (Start: 92 @23395 has 15 MA's), (98, 23410), (148, 23521), (175, 23584), (185, 23599), (249, 23746), (256, 23761), (283, 23812), (321, 23845), (352, 23908), (366, 23959), (368, 23968), (413, 24136),

Gene: StevieRay_22 Start: 21290, Stop: 22327, Start Num: 88

Candidate Starts for StevieRay_22:

(81, 21266), (Start: 86 @21287 has 7 MA's), (Start: 88 @21290 has 91 MA's), (102, 21314), (161, 21452), (184, 21494), (222, 21563), (250, 21623), (273, 21668), (294, 21713), (347, 21794), (364, 21851), (368, 21875), (394, 21980), (415, 22052), (434, 22097), (486, 22262),

Gene: Stinger_28 Start: 31182, Stop: 32339, Start Num: 59

Candidate Starts for Stinger_28:

(9, 30657), (10, 30678), (Start: 59 @31182 has 54 MA's), (64, 31209), (Start: 92 @31290 has 15 MA's), (98, 31305), (105, 31317), (112, 31335), (158, 31443), (174, 31476), (180, 31485), (190, 31503), (204, 31530), (215, 31545), (218, 31551), (222, 31557), (235, 31581), (239, 31590), (243, 31599), (262, 31632), (286, 31665), (292, 31677), (295, 31683), (334, 31743), (337, 31755), (345, 31761), (361, 31827), (366, 31851), (368, 31860), (409, 32007), (456, 32160),

Gene: StinkyVeggy_34 Start: 32734, Stop: 34239, Start Num: 15

Candidate Starts for StinkyVeggy_34:

(Start: 15 @32734 has 9 MA's), (19, 32773), (28, 32845), (35, 32905), (36, 32923), (41, 32938), (124, 33190), (136, 33220), (142, 33238), (152, 33265), (165, 33292), (214, 33394), (231, 33433), (236, 33448), (263, 33523), (287, 33568), (290, 33574), (295, 33583), (345, 33679), (361, 33745), (369, 33781), (427, 33994), (473, 34105), (495, 34225),

Gene: StressBall_22 Start: 21561, Stop: 22601, Start Num: 85

Candidate Starts for StressBall_22:

(Start: 85 @21561 has 8 MA's), (158, 21720), (161, 21726), (184, 21768), (219, 21834), (222, 21837), (250, 21897), (273, 21942), (294, 21987), (347, 22068), (364, 22125), (368, 22149), (394, 22254), (415, 22326), (434, 22371),

Gene: Struggle_32 Start: 31925, Stop: 33085, Start Num: 56

Candidate Starts for Struggle_32:

(Start: 56 @31925 has 333 MA's), (Start: 92 @32036 has 15 MA's), (112, 32081), (154, 32180), (185, 32240), (204, 32276), (214, 32300), (233, 32345), (235, 32351), (258, 32402), (280, 32441), (282, 32444), (287, 32456), (305, 32471), (328, 32495), (347, 32528), (367, 32609), (392, 32702), (401, 32738), (405, 32747), (409, 32753), (481, 32978),

Gene: Suffolk_33 Start: 32374, Stop: 33534, Start Num: 56

Candidate Starts for Suffolk_33:

(Start: 56 @32374 has 333 MA's), (Start: 92 @32485 has 15 MA's), (112, 32530), (154, 32629), (185, 32689), (204, 32725), (214, 32749), (233, 32794), (235, 32800), (258, 32851), (280, 32890), (282, 32893), (287, 32905), (328, 32944), (347, 32977), (367, 33058), (377, 33103), (392, 33151), (401, 33187), (405, 33196), (409, 33202), (481, 33427),

Gene: Suigeneris_32 Start: 32591, Stop: 34096, Start Num: 15

Candidate Starts for Suigeneris_32:

(Start: 15 @32591 has 9 MA's), (16, 32609), (19, 32630), (24, 32684), (35, 32762), (36, 32780), (41, 32795), (42, 32807), (122, 33044), (142, 33095), (152, 33122), (165, 33149), (Start: 209 @33236 has 1 MA's), (214, 33251), (231, 33290), (263, 33380), (295, 33440), (350, 33563), (361, 33602), (369, 33638), (473, 33962), (495, 34082),

Gene: Surely_33 Start: 32377, Stop: 33537, Start Num: 56

Candidate Starts for Surely_33:

(Start: 56 @32377 has 333 MA's), (Start: 92 @32488 has 15 MA's), (112, 32533), (154, 32632), (185, 32692), (204, 32728), (214, 32752), (233, 32797), (235, 32803), (258, 32854), (280, 32893), (282, 32896), (287, 32908), (328, 32947), (347, 32980), (367, 33061), (377, 33106), (392, 33154), (401, 33190), (405, 33199), (409, 33205), (481, 33430),

Gene: SwainyDoc_33 Start: 32217, Stop: 33419, Start Num: 58

Candidate Starts for SwainyDoc_33:

(Start: 58 @32217 has 44 MA's), (67, 32250), (122, 32394), (127, 32403), (131, 32412), (148, 32451), (151, 32460), (158, 32478), (168, 32496), (175, 32514), (180, 32520), (187, 32532), (198, 32550), (204, 32565), (218, 32598), (230, 32625), (249, 32670), (290, 32751), (313, 32778), (324, 32796), (330, 32814), (345, 32856), (349, 32880), (369, 32955), (373, 32985), (392, 33045), (394, 33057), (398, 33075), (428, 33177), (467, 33282), (473, 33288), (475, 33306), (491, 33393),

Gene: Swiphy_34 Start: 32372, Stop: 33532, Start Num: 56

Candidate Starts for Swiphy_34:

(Start: 56 @32372 has 333 MA's), (Start: 92 @32483 has 15 MA's), (112, 32528), (154, 32627), (185, 32687), (204, 32723), (214, 32747), (233, 32792), (235, 32798), (258, 32849), (280, 32888), (282, 32891), (287, 32903), (328, 32942), (347, 32975), (367, 33056), (392, 33149), (401, 33185), (405, 33194), (409, 33200), (481, 33425),

Gene: Swish_33 Start: 32360, Stop: 33520, Start Num: 56

Candidate Starts for Swish_33:

(Start: 56 @32360 has 333 MA's), (Start: 92 @32471 has 15 MA's), (112, 32516), (154, 32615), (185, 32675), (204, 32711), (214, 32735), (233, 32780), (235, 32786), (258, 32837), (280, 32876), (282, 32879), (287, 32891), (305, 32906), (328, 32930), (347, 32963), (367, 33044), (377, 33089), (392, 33137), (401, 33173), (405, 33182), (409, 33188), (481, 33413),

Gene: SynergyX_33 Start: 32223, Stop: 33425, Start Num: 58

Candidate Starts for SynergyX_33:

(Start: 58 @32223 has 44 MA's), (67, 32256), (122, 32400), (127, 32409), (131, 32418), (148, 32457), (151, 32466), (158, 32484), (168, 32502), (175, 32520), (180, 32526), (187, 32538), (198, 32556), (204, 32571), (218, 32604), (230, 32631), (249, 32676), (290, 32757), (313, 32784), (324, 32802), (330, 32820), (345, 32862), (349, 32886), (369, 32961), (373, 32991), (392, 33051), (394, 33063), (398, 33081), (428, 33183), (467, 33288), (473, 33294), (475, 33312), (491, 33399),

Gene: TA17A_33 Start: 32678, Stop: 33841, Start Num: 56

Candidate Starts for TA17A_33:

(Start: 53 @32672 has 9 MA's), (Start: 56 @32678 has 333 MA's), (67, 32717), (77, 32747), (Start: 92 @32792 has 15 MA's), (112, 32837), (154, 32936), (185, 32996), (204, 33032), (214, 33056), (233, 33101), (235, 33107), (258, 33158), (280, 33197), (282, 33200), (287, 33212), (328, 33251), (347, 33284), (367, 33365), (377, 33410), (392, 33458), (401, 33494), (405, 33503), (409, 33509), (481, 33734),

Gene: TallGrassMM_33 Start: 31999, Stop: 33159, Start Num: 56

Candidate Starts for TallGrassMM_33:

(Start: 56 @31999 has 333 MA's), (Start: 92 @32110 has 15 MA's), (112, 32155), (154, 32254), (185, 32314), (204, 32350), (214, 32374), (233, 32419), (235, 32425), (258, 32476), (280, 32515), (282, 32518), (287, 32530), (305, 32545), (328, 32569), (347, 32602), (367, 32683), (377, 32728), (392, 32776), (401, 32812), (405, 32821), (409, 32827), (481, 33052),

Gene: Taptic_25 Start: 29324, Stop: 30529, Start Num: 50

Candidate Starts for Taptic_25:

(Start: 49 @29321 has 2 MA's), (Start: 50 @29324 has 6 MA's), (77, 29393), (105, 29462), (116, 29492), (122, 29504), (126, 29510), (127, 29513), (131, 29522), (148, 29561), (151, 29570), (155, 29582), (185, 29639), (190, 29648), (198, 29660), (204, 29675), (224, 29720), (230, 29735), (249, 29780), (284, 29849), (305, 29876), (320, 29900), (338, 29945), (345, 29966), (349, 29990), (369, 30065), (373, 30095), (392, 30155), (394, 30167), (398, 30185), (428, 30287), (473, 30398), (475, 30416), (484, 30467), (491, 30503),

Gene: Taquito_27 Start: 24633, Stop: 25676, Start Num: 86

Candidate Starts for Taquito_27:

(Start: 86 @24633 has 7 MA's), (Start: 88 @24636 has 91 MA's), (206, 24876), (222, 24912), (226, 24921), (229, 24927), (250, 24972), (273, 25017), (282, 25035), (294, 25062), (347, 25143), (364, 25200), (368, 25224), (394, 25329), (415, 25401), (434, 25446),

Gene: Techage_22 Start: 21290, Stop: 22327, Start Num: 88

Candidate Starts for Techage_22:

(81, 21266), (Start: 86 @21287 has 7 MA's), (Start: 88 @21290 has 91 MA's), (102, 21314), (161, 21452), (184, 21494), (222, 21563), (250, 21623), (273, 21668), (294, 21713), (347, 21794), (364, 21851), (368, 21875), (394, 21980), (415, 22052), (434, 22097), (486, 22262),

Gene: Telesworld_32 Start: 32072, Stop: 33232, Start Num: 56

Candidate Starts for Telesworld_32:

(Start: 56 @32072 has 333 MA's), (Start: 92 @32183 has 15 MA's), (112, 32228), (154, 32327), (185, 32387), (204, 32423), (214, 32447), (233, 32492), (235, 32498), (258, 32549), (280, 32588), (282, 32591), (287, 32603), (328, 32642), (347, 32675), (367, 32756), (377, 32801), (392, 32849), (401, 32885), (405, 32894), (409, 32900), (481, 33125),

Gene: Thespis_22 Start: 21299, Stop: 22336, Start Num: 88

Candidate Starts for Thespiis_22:

(81, 21275), (Start: 86 @21296 has 7 MA's), (Start: 88 @21299 has 91 MA's), (102, 21323), (161, 21461), (184, 21503), (222, 21572), (250, 21632), (273, 21677), (294, 21722), (347, 21803), (364, 21860), (368, 21884), (394, 21989), (415, 22061), (434, 22106), (486, 22271),

Gene: Thonko_30 Start: 29614, Stop: 30771, Start Num: 59

Candidate Starts for Thonko_30:

(46, 29584), (Start: 59 @29614 has 54 MA's), (Start: 92 @29728 has 15 MA's), (142, 29845), (148, 29860), (151, 29869), (158, 29887), (168, 29905), (198, 29959), (236, 30049), (245, 30067), (255, 30085), (366, 30319), (368, 30328), (378, 30370), (402, 30460), (409, 30472),

Gene: Thora_33 Start: 32376, Stop: 33536, Start Num: 56

Candidate Starts for Thora_33:

(Start: 56 @32376 has 333 MA's), (Start: 92 @32487 has 15 MA's), (112, 32532), (154, 32631), (185, 32691), (204, 32727), (214, 32751), (233, 32796), (235, 32802), (258, 32853), (280, 32892), (282, 32895), (287, 32907), (328, 32946), (347, 32979), (367, 33060), (377, 33105), (392, 33153), (401, 33189), (405, 33198), (409, 33204), (481, 33429),

Gene: ThreeOh3D2_33 Start: 32374, Stop: 33534, Start Num: 56

Candidate Starts for ThreeOh3D2_33:

(Start: 56 @32374 has 333 MA's), (Start: 92 @32485 has 15 MA's), (112, 32530), (154, 32629), (185, 32689), (204, 32725), (214, 32749), (233, 32794), (235, 32800), (258, 32851), (280, 32890), (282, 32893), (287, 32905), (305, 32920), (328, 32944), (347, 32977), (367, 33058), (377, 33103), (392, 33151), (401, 33187), (405, 33196), (409, 33202), (481, 33427),

Gene: ThulaThula_22 Start: 21454, Stop: 22491, Start Num: 88

Candidate Starts for ThulaThula_22:

(Start: 88 @21454 has 91 MA's), (161, 21616), (190, 21667), (212, 21703), (226, 21730), (250, 21778), (280, 21835), (297, 21871), (367, 22024), (373, 22060), (394, 22132), (436, 22267), (459, 22321), (482, 22399),

Gene: Thunderbird_32 Start: 32080, Stop: 33240, Start Num: 56

Candidate Starts for Thunderbird_32:

(Start: 56 @32080 has 333 MA's), (Start: 92 @32191 has 15 MA's), (112, 32236), (154, 32335), (185, 32395), (204, 32431), (214, 32455), (233, 32500), (235, 32506), (258, 32557), (280, 32596), (282, 32599), (287, 32611), (305, 32626), (328, 32650), (347, 32683), (367, 32764), (392, 32857), (401, 32893), (405, 32902), (409, 32908), (481, 33133),

Gene: Thyatira_27 Start: 23933, Stop: 25000, Start Num: 88

Candidate Starts for Thyatira_27:

(Start: 88 @23933 has 91 MA's), (143, 24050), (169, 24107), (193, 24155), (197, 24161), (227, 24218), (229, 24221), (234, 24236), (250, 24263), (270, 24302), (273, 24305), (278, 24317), (280, 24320), (282, 24323), (288, 24338), (320, 24383), (324, 24389), (349, 24443), (364, 24491), (370, 24521), (385, 24566), (418, 24695), (436, 24749), (452, 24794),

Gene: Timmi_32 Start: 32085, Stop: 33245, Start Num: 56

Candidate Starts for Timmi_32:

(Start: 56 @32085 has 333 MA's), (Start: 92 @32196 has 15 MA's), (112, 32241), (154, 32340), (185, 32400), (204, 32436), (214, 32460), (233, 32505), (235, 32511), (258, 32562), (280, 32601), (282, 32604), (287, 32616), (328, 32655), (347, 32688), (367, 32769), (377, 32814), (392, 32862), (401, 32898), (405, 32907), (409, 32913), (481, 33138),

Gene: Tinciduntolum_34 Start: 32810, Stop: 33979, Start Num: 53

Candidate Starts for Tinciduntolum_34:

(26, 32669), (Start: 53 @32810 has 9 MA's), (Start: 56 @32816 has 333 MA's), (67, 32855), (77, 32885), (Start: 92 @32930 has 15 MA's), (112, 32975), (154, 33074), (185, 33134), (204, 33170), (214, 33194), (233, 33239), (235, 33245), (258, 33296), (280, 33335), (282, 33338), (287, 33350), (305, 33365), (328, 33389), (347, 33422), (367, 33503), (392, 33596), (401, 33632), (405, 33641), (409, 33647), (424, 33707), (481, 33872),

Gene: TinyTerror_33 Start: 32208, Stop: 33410, Start Num: 58

Candidate Starts for TinyTerror_33:

(Start: 58 @32208 has 44 MA's), (122, 32385), (127, 32394), (131, 32403), (148, 32442), (151, 32451), (158, 32469), (185, 32520), (190, 32529), (198, 32541), (201, 32547), (204, 32556), (224, 32601), (230, 32616), (249, 32661), (268, 32700), (284, 32730), (292, 32745), (305, 32757), (320, 32781), (338, 32826), (345, 32847), (349, 32871), (369, 32946), (373, 32976), (392, 33036), (394, 33048), (398, 33066), (428, 33168), (467, 33273), (473, 33279), (475, 33297), (491, 33384),

Gene: TomBombadil_33 Start: 32370, Stop: 33530, Start Num: 56

Candidate Starts for TomBombadil_33:

(Start: 56 @32370 has 333 MA's), (Start: 92 @32481 has 15 MA's), (112, 32526), (154, 32625), (185, 32685), (204, 32721), (214, 32745), (233, 32790), (235, 32796), (258, 32847), (280, 32886), (282, 32889), (287, 32901), (305, 32916), (328, 32940), (347, 32973), (367, 33054), (392, 33147), (401, 33183), (405, 33192), (409, 33198), (481, 33423),

Gene: Tomlarah_33 Start: 32361, Stop: 33521, Start Num: 56

Candidate Starts for Tomlarah_33:

(Start: 56 @32361 has 333 MA's), (Start: 92 @32472 has 15 MA's), (112, 32517), (154, 32616), (185, 32676), (204, 32712), (214, 32736), (233, 32781), (235, 32787), (258, 32838), (280, 32877), (282, 32880), (287, 32892), (305, 32907), (328, 32931), (347, 32964), (367, 33045), (377, 33090), (392, 33138), (401, 33174), (405, 33183), (409, 33189), (481, 33414),

Gene: Toni_32 Start: 32077, Stop: 33237, Start Num: 56

Candidate Starts for Toni_32:

(Start: 56 @32077 has 333 MA's), (Start: 92 @32188 has 15 MA's), (112, 32233), (154, 32332), (185, 32392), (204, 32428), (214, 32452), (233, 32497), (235, 32503), (258, 32554), (280, 32593), (282, 32596), (287, 32608), (305, 32623), (328, 32647), (347, 32680), (367, 32761), (377, 32806), (392, 32854), (401, 32890), (405, 32899), (409, 32905), (481, 33130),

Gene: Tooj_33 Start: 32434, Stop: 33594, Start Num: 56

Candidate Starts for Tooj_33:

(Start: 56 @32434 has 333 MA's), (Start: 92 @32545 has 15 MA's), (112, 32590), (154, 32689), (185, 32749), (204, 32785), (214, 32809), (233, 32854), (235, 32860), (258, 32911), (280, 32950), (282, 32953), (287, 32965), (328, 33004), (347, 33037), (367, 33118), (377, 33163), (392, 33211), (401, 33247), (405, 33256), (409, 33262), (481, 33487),

Gene: Tortellini_22 Start: 21866, Stop: 22936, Start Num: 88

Candidate Starts for Tortellini_22:

(Start: 88 @21866 has 91 MA's), (206, 22106), (222, 22142), (226, 22151), (229, 22157), (250, 22202), (273, 22247), (282, 22265), (294, 22292), (347, 22373), (368, 22454), (407, 22592), (409, 22595),

Gene: Towmatter_37 Start: 34440, Stop: 35507, Start Num: 123

Candidate Starts for Towmatter_37:

(Start: 123 @34440 has 3 MA's), (279, 34785), (298, 34830), (317, 34860), (400, 35151), (403, 35157), (410, 35175), (426, 35241), (427, 35244), (436, 35262), (455, 35310), (496, 35496),

Gene: Tracker_44 Start: 34752, Stop: 35810, Start Num: 125

Candidate Starts for Tracker_44:

(1, 33312), (2, 33609), (6, 33840), (14, 34209), (65, 34587), (71, 34602), (75, 34620), (Start: 125 @34752 has 17 MA's), (281, 35097), (305, 35148), (331, 35196),

Gene: Tres_33 Start: 32691, Stop: 33854, Start Num: 56

Candidate Starts for Tres_33:

(26, 32544), (Start: 53 @32685 has 9 MA's), (Start: 56 @32691 has 333 MA's), (67, 32730), (77, 32760), (Start: 92 @32805 has 15 MA's), (112, 32850), (154, 32949), (185, 33009), (204, 33045), (214, 33069), (233, 33114), (235, 33120), (258, 33171), (280, 33210), (282, 33213), (287, 33225), (305, 33240), (328, 33264), (347, 33297), (367, 33378), (392, 33471), (401, 33507), (405, 33516), (409, 33522), (481, 33747),

Gene: TriFive_22 Start: 22247, Stop: 23464, Start Num: 56

Candidate Starts for TriFive_22:

(Start: 56 @22247 has 333 MA's), (90, 22349), (97, 22361), (105, 22379), (110, 22388), (126, 22427), (142, 22463), (148, 22478), (150, 22484), (163, 22514), (165, 22517), (181, 22553), (189, 22565), (214, 22616), (215, 22619), (240, 22679), (253, 22706), (260, 22721), (263, 22727), (271, 22739), (301, 22799), (316, 22823), (345, 22883), (368, 22979), (373, 23012), (394, 23084), (401, 23108), (477, 23336), (479, 23348),

Gene: True_32 Start: 32074, Stop: 33234, Start Num: 56

Candidate Starts for True_32:

(Start: 56 @32074 has 333 MA's), (Start: 92 @32185 has 15 MA's), (112, 32230), (154, 32329), (185, 32389), (204, 32425), (214, 32449), (233, 32494), (235, 32500), (258, 32551), (280, 32590), (282, 32593), (287, 32605), (305, 32620), (328, 32644), (347, 32677), (367, 32758), (377, 32803), (392, 32851), (401, 32887), (405, 32896), (409, 32902), (481, 33127),

Gene: Trypo_33 Start: 32370, Stop: 33530, Start Num: 56

Candidate Starts for Trypo_33:

(Start: 56 @32370 has 333 MA's), (Start: 92 @32481 has 15 MA's), (112, 32526), (154, 32625), (185, 32685), (204, 32721), (214, 32745), (233, 32790), (235, 32796), (258, 32847), (280, 32886), (282, 32889), (287, 32901), (305, 32916), (328, 32940), (347, 32973), (367, 33054), (377, 33099), (392, 33147), (401, 33183), (405, 33192), (409, 33198), (481, 33423),

Gene: TyDawg_31 Start: 26992, Stop: 28047, Start Num: 88

Candidate Starts for TyDawg_31:

(Start: 88 @26992 has 91 MA's), (190, 27205), (212, 27241), (240, 27304), (280, 27376), (294, 27406), (309, 27427), (331, 27463), (349, 27499), (364, 27547), (367, 27568), (369, 27574), (373, 27604), (375, 27607), (389, 27655), (449, 27844), (459, 27865), (476, 27919),

Gene: Tydolla_33 Start: 32957, Stop: 34159, Start Num: 58

Candidate Starts for Tydolla_33:

(Start: 58 @32957 has 44 MA's), (67, 32990), (122, 33134), (127, 33143), (131, 33152), (148, 33191), (151, 33200), (158, 33218), (185, 33269), (190, 33278), (198, 33290), (201, 33296), (204, 33305), (224, 33350), (230, 33365), (249, 33410), (268, 33449), (284, 33479), (292, 33494), (305, 33506), (320, 33530), (338, 33575), (345, 33596), (349, 33620), (369, 33695), (373, 33725), (392, 33785), (394, 33797), (398, 33815), (428, 33917), (467, 34022), (473, 34028), (475, 34046), (491, 34133),

Gene: Typha_28 Start: 26025, Stop: 27062, Start Num: 88

Candidate Starts for Typha_28:

(Start: 88 @26025 has 91 MA's), (145, 26148), (172, 26202), (190, 26238), (226, 26301), (250, 26349), (278, 26403), (280, 26406), (367, 26592), (373, 26628), (386, 26670), (392, 26688), (409, 26739),

Gene: TyrionL_32 Start: 31933, Stop: 33093, Start Num: 56

Candidate Starts for TyrionL_32:

(Start: 56 @31933 has 333 MA's), (Start: 92 @32044 has 15 MA's), (112, 32089), (154, 32188), (185, 32248), (204, 32284), (214, 32308), (233, 32353), (235, 32359), (258, 32410), (280, 32449), (282, 32452), (287, 32464), (305, 32479), (328, 32503), (347, 32536), (367, 32617), (377, 32662), (392, 32710), (401, 32746), (405, 32755), (409, 32761), (481, 32986),

Gene: Tyson_21 Start: 21688, Stop: 22860, Start Num: 56

Candidate Starts for Tyson_21:

(Start: 54 @21685 has 5 MA's), (Start: 56 @21688 has 333 MA's), (Start: 103 @21814 has 4 MA's), (119, 21856), (126, 21868), (127, 21871), (142, 21904), (147, 21916), (168, 21964), (175, 21982), (198, 22018), (204, 22033), (226, 22084), (237, 22114), (257, 22156), (272, 22180), (325, 22216), (327, 22222), (340, 22249), (345, 22267), (369, 22360), (370, 22363), (390, 22447), (430, 22585), (438, 22603), (467, 22687),

Gene: UAch1_33 Start: 32383, Stop: 33543, Start Num: 56

Candidate Starts for UAch1_33:

(Start: 56 @32383 has 333 MA's), (Start: 92 @32494 has 15 MA's), (112, 32539), (154, 32638), (185, 32698), (204, 32734), (214, 32758), (233, 32803), (235, 32809), (258, 32860), (280, 32899), (282, 32902), (287, 32914), (328, 32953), (347, 32986), (367, 33067), (377, 33112), (392, 33160), (401, 33196), (405, 33205), (409, 33211), (481, 33436),

Gene: UPIE_21 Start: 21683, Stop: 22858, Start Num: 54

Candidate Starts for UPIE_21:

(Start: 54 @21683 has 5 MA's), (Start: 56 @21686 has 333 MA's), (Start: 103 @21812 has 4 MA's), (119, 21854), (126, 21866), (127, 21869), (142, 21902), (147, 21914), (168, 21962), (175, 21980), (198, 22016), (204, 22031), (226, 22082), (237, 22112), (257, 22154), (272, 22178), (325, 22214), (327, 22220), (340, 22247), (345, 22265), (369, 22358), (370, 22361), (390, 22445), (430, 22583), (438, 22601), (467, 22685),

Gene: UncleHowie_33 Start: 32073, Stop: 33233, Start Num: 56

Candidate Starts for UncleHowie_33:

(Start: 56 @32073 has 333 MA's), (Start: 92 @32184 has 15 MA's), (112, 32229), (154, 32328), (185, 32388), (204, 32424), (214, 32448), (233, 32493), (235, 32499), (258, 32550), (280, 32589), (282, 32592), (287, 32604), (305, 32619), (328, 32643), (347, 32676), (367, 32757), (377, 32802), (392, 32850), (401, 32886), (405, 32895), (409, 32901), (481, 33126),

Gene: Usavi_33 Start: 32374, Stop: 33534, Start Num: 56

Candidate Starts for Usavi_33:

(Start: 56 @32374 has 333 MA's), (Start: 92 @32485 has 15 MA's), (112, 32530), (154, 32629), (185, 32689), (204, 32725), (214, 32749), (233, 32794), (235, 32800), (258, 32851), (280, 32890), (282, 32893), (287, 32905), (305, 32920), (328, 32944), (347, 32977), (367, 33058), (377, 33103), (392, 33151), (401, 33187), (405, 33196), (409, 33202), (481, 33427),

Gene: Vaishali24_32 Start: 32035, Stop: 33195, Start Num: 56

Candidate Starts for Vaishali24_32:

(Start: 56 @32035 has 333 MA's), (Start: 92 @32146 has 15 MA's), (112, 32191), (154, 32290), (185, 32350), (204, 32386), (214, 32410), (233, 32455), (235, 32461), (258, 32512), (280, 32551), (282, 32554), (287, 32566), (328, 32605), (347, 32638), (367, 32719), (377, 32764), (392, 32812), (401, 32848), (405, 32857), (409, 32863), (481, 33088),

Gene: Valjean_33 Start: 32366, Stop: 33526, Start Num: 56

Candidate Starts for Valjean_33:

(Start: 56 @32366 has 333 MA's), (Start: 92 @32477 has 15 MA's), (112, 32522), (154, 32621), (185, 32681), (204, 32717), (214, 32741), (233, 32786), (235, 32792), (258, 32843), (280, 32882), (282, 32885), (287, 32897), (328, 32936), (347, 32969), (367, 33050), (377, 33095), (392, 33143), (401, 33179), (405, 33188), (409, 33194), (481, 33419),

Gene: Vanisoa_31 Start: 24621, Stop: 25826, Start Num: 55

Candidate Starts for Vanisoa_31:

(Start: 55 @24621 has 2 MA's), (116, 24786), (122, 24798), (126, 24804), (127, 24807), (173, 24909), (189, 24942), (224, 25014), (233, 25038), (244, 25062), (285, 25146), (367, 25353), (368, 25356), (373, 25389), (409, 25500), (459, 25656),

Gene: Vaticameos_33 Start: 32064, Stop: 33224, Start Num: 56

Candidate Starts for Vaticameos_33:

(Start: 56 @32064 has 333 MA's), (Start: 92 @32175 has 15 MA's), (112, 32220), (154, 32319), (185, 32379), (204, 32415), (214, 32439), (233, 32484), (235, 32490), (258, 32541), (280, 32580), (282, 32583), (287, 32595), (305, 32610), (328, 32634), (347, 32667), (367, 32748), (377, 32793), (392, 32841), (401, 32877), (405, 32886), (409, 32892), (481, 33117),

Gene: Velveteen_20 Start: 20087, Stop: 21244, Start Num: 56

Candidate Starts for Velveteen_20:

(Start: 56 @20087 has 333 MA's), (Start: 59 @20090 has 54 MA's), (Start: 103 @20219 has 4 MA's), (115, 20249), (128, 20279), (131, 20288), (139, 20303), (149, 20327), (158, 20351), (165, 20363), (204, 20438), (208, 20447), (217, 20471), (230, 20501), (306, 20585), (308, 20588), (320, 20609), (389, 20858), (392, 20867), (398, 20897), (409, 20918), (425, 20987), (492, 21221),

Gene: Venti_22 Start: 21299, Stop: 22336, Start Num: 88

Candidate Starts for Venti_22:

(81, 21275), (Start: 86 @21296 has 7 MA's), (Start: 88 @21299 has 91 MA's), (102, 21323), (161, 21461), (184, 21503), (222, 21572), (250, 21632), (273, 21677), (294, 21722), (347, 21803), (364, 21860), (368, 21884), (394, 21989), (415, 22061), (434, 22106), (486, 22271),

Gene: Veritas_32 Start: 31936, Stop: 33096, Start Num: 56

Candidate Starts for Veritas_32:

(Start: 56 @31936 has 333 MA's), (Start: 92 @32047 has 15 MA's), (112, 32092), (154, 32191), (185, 32251), (204, 32287), (214, 32311), (233, 32356), (235, 32362), (258, 32413), (280, 32452), (282, 32455), (287, 32467), (328, 32506), (347, 32539), (367, 32620), (392, 32713), (401, 32749), (405, 32758), (409, 32764), (481, 32989),

Gene: Vic9_34 Start: 33132, Stop: 34337, Start Num: 50

Candidate Starts for Vic9_34:

(25, 32988), (Start: 49 @33129 has 2 MA's), (Start: 50 @33132 has 6 MA's), (77, 33201), (105, 33270), (116, 33300), (122, 33312), (126, 33318), (127, 33321), (131, 33330), (148, 33369), (151, 33378), (155, 33390), (185, 33447), (190, 33456), (198, 33468), (204, 33483), (224, 33528), (230, 33543), (249, 33588), (284, 33657), (305, 33684), (320, 33708), (339, 33756), (342, 33762), (345, 33774), (349, 33798), (369, 33873), (373, 33903), (392, 33963), (394, 33975), (398, 33993), (427, 34092), (428, 34095), (467, 34200), (473, 34206), (483, 34272), (484, 34275),

Gene: Vidya_22 Start: 21299, Stop: 22336, Start Num: 88

Candidate Starts for Vidya_22:

(81, 21275), (Start: 86 @21296 has 7 MA's), (Start: 88 @21299 has 91 MA's), (102, 21323), (161, 21461), (184, 21503), (222, 21572), (250, 21632), (273, 21677), (294, 21722), (347, 21803), (364, 21860), (368, 21884), (394, 21989), (415, 22061), (434, 22106), (486, 22271),

Gene: Vincenzo_31 Start: 33326, Stop: 34483, Start Num: 59

Candidate Starts for Vincenzo_31:

(Start: 59 @33326 has 54 MA's), (84, 33419), (Start: 92 @33434 has 15 MA's), (98, 33449), (105, 33461), (112, 33479), (151, 33569), (174, 33620), (180, 33629), (190, 33647), (204, 33674), (215, 33689), (218, 33695), (222, 33701), (239, 33734), (243, 33743), (262, 33776), (286, 33809), (292, 33821), (319, 33854), (326, 33869), (337, 33899), (345, 33905), (361, 33971), (366, 33995), (368, 34004), (409, 34151), (456, 34304),

Gene: VioletZ_30 Start: 32678, Stop: 33835, Start Num: 59

Candidate Starts for VioletZ_30:

(Start: 59 @32678 has 54 MA's), (84, 32771), (Start: 92 @32786 has 15 MA's), (98, 32801), (105, 32813), (112, 32831), (132, 32873), (151, 32921), (174, 32972), (180, 32981), (190, 32999), (204, 33026), (215, 33041), (218, 33047), (222, 33053), (224, 33059), (239, 33086), (243, 33095), (262, 33128), (286, 33161), (326, 33221), (337, 33251), (345, 33257), (355, 33302), (368, 33356), (369, 33359), (409, 33503), (456, 33656),

Gene: Virapocalypse_33 Start: 32361, Stop: 33521, Start Num: 56

Candidate Starts for Virapocalypse_33:

(Start: 56 @32361 has 333 MA's), (Start: 92 @32472 has 15 MA's), (112, 32517), (154, 32616), (185, 32676), (204, 32712), (214, 32736), (233, 32781), (235, 32787), (258, 32838), (280, 32877), (282, 32880), (287, 32892), (328, 32931), (347, 32964), (367, 33045), (377, 33090), (392, 33138), (401, 33174), (405, 33183), (409, 33189), (481, 33414),

Gene: Virgeve_32 Start: 32141, Stop: 33301, Start Num: 56

Candidate Starts for Virgeve_32:

(Start: 56 @32141 has 333 MA's), (Start: 92 @32252 has 15 MA's), (112, 32297), (154, 32396), (185, 32456), (204, 32492), (214, 32516), (233, 32561), (235, 32567), (258, 32618), (280, 32657), (282, 32660), (287, 32672), (328, 32711), (347, 32744), (367, 32825), (377, 32870), (392, 32918), (401, 32954), (405, 32963), (409, 32969), (481, 33194),

Gene: Vista_33 Start: 32374, Stop: 33534, Start Num: 56

Candidate Starts for Vista_33:

(Start: 56 @32374 has 333 MA's), (Start: 92 @32485 has 15 MA's), (112, 32530), (154, 32629), (185, 32689), (204, 32725), (214, 32749), (233, 32794), (235, 32800), (258, 32851), (280, 32890), (282, 32893), (287, 32905), (305, 32920), (328, 32944), (347, 32977), (367, 33058), (377, 33103), (392, 33151), (401, 33187), (405, 33196), (409, 33202), (481, 33427),

Gene: Vivaldi_33 Start: 32403, Stop: 33563, Start Num: 56

Candidate Starts for Vivaldi_33:

(Start: 56 @32403 has 333 MA's), (Start: 92 @32514 has 15 MA's), (112, 32559), (154, 32658), (185, 32718), (204, 32754), (214, 32778), (233, 32823), (235, 32829), (258, 32880), (280, 32919), (282, 32922), (287, 32934), (328, 32973), (347, 33006), (367, 33087), (377, 33132), (392, 33180), (401, 33216), (405, 33225), (409, 33231), (481, 33456),

Gene: ViviJ_26 Start: 23840, Stop: 24904, Start Num: 88

Candidate Starts for ViviJ_26:

(Start: 88 @23840 has 91 MA's), (130, 23930), (143, 23957), (172, 24020), (197, 24068), (218, 24107), (227, 24125), (250, 24170), (270, 24209), (294, 24257), (307, 24275), (349, 24350), (368, 24416), (390, 24506), (391, 24509), (392, 24512), (399, 24545), (433, 24644), (435, 24647), (465, 24731), (467, 24743), (489, 24860),

Gene: Vordorf_31 Start: 26927, Stop: 27976, Start Num: 85

Candidate Starts for Vordorf_31:

(Start: 85 @26927 has 8 MA's), (162, 27092), (183, 27137), (219, 27215), (278, 27329), (320, 27392), (347, 27443), (356, 27473), (364, 27500), (441, 27776),

Gene: Vortex_33 Start: 32080, Stop: 33240, Start Num: 56

Candidate Starts for Vortex_33:

(Start: 56 @32080 has 333 MA's), (Start: 92 @32191 has 15 MA's), (112, 32236), (154, 32335), (185, 32395), (204, 32431), (214, 32455), (233, 32500), (235, 32506), (258, 32557), (280, 32596), (282, 32599), (287, 32611), (328, 32650), (347, 32683), (367, 32764), (377, 32809), (392, 32857), (401, 32893), (405, 32902), (409, 32908), (481, 33133),

Gene: Waleliano_30 Start: 32605, Stop: 33762, Start Num: 59

Candidate Starts for Waleliano_30:

(Start: 59 @32605 has 54 MA's), (84, 32698), (Start: 92 @32713 has 15 MA's), (98, 32728), (105, 32740), (112, 32758), (132, 32800), (174, 32899), (180, 32908), (190, 32926), (204, 32953), (215, 32968), (218, 32974), (222, 32980), (224, 32986), (239, 33013), (243, 33022), (262, 33055), (286, 33088), (326, 33148), (337, 33178), (345, 33184), (348, 33205), (355, 33229), (368, 33283), (369, 33286), (456, 33583),

Gene: Wallhey_32 Start: 31937, Stop: 33097, Start Num: 56

Candidate Starts for Wallhey_32:

(Start: 56 @31937 has 333 MA's), (Start: 92 @32048 has 15 MA's), (112, 32093), (154, 32192), (185, 32252), (204, 32288), (214, 32312), (233, 32357), (235, 32363), (258, 32414), (280, 32453), (282, 32456), (287, 32468), (305, 32483), (328, 32507), (347, 32540), (367, 32621), (377, 32666), (392, 32714), (401, 32750), (405, 32759), (409, 32765), (481, 32990),

Gene: Wamburgxpress_21 Start: 21701, Stop: 22873, Start Num: 56

Candidate Starts for Wamburgxpress_21:

(Start: 54 @21698 has 5 MA's), (Start: 56 @21701 has 333 MA's), (Start: 103 @21827 has 4 MA's), (119, 21869), (126, 21881), (127, 21884), (142, 21917), (147, 21929), (168, 21977), (175, 21995), (198, 22031), (204, 22046), (226, 22097), (237, 22127), (257, 22169), (272, 22193), (325, 22229), (327, 22235), (340, 22262), (345, 22280), (369, 22373), (370, 22376), (390, 22460), (430, 22598), (438, 22616), (467, 22700),

Gene: Waterdiva_33 Start: 32366, Stop: 33526, Start Num: 56

Candidate Starts for Waterdiva_33:

(Start: 56 @32366 has 333 MA's), (Start: 92 @32477 has 15 MA's), (112, 32522), (154, 32621), (185, 32681), (204, 32717), (214, 32741), (233, 32786), (235, 32792), (258, 32843), (280, 32882), (282, 32885), (287, 32897), (305, 32912), (328, 32936), (347, 32969), (367, 33050), (377, 33095), (392, 33143), (401, 33179), (405, 33188), (409, 33194), (481, 33419),

Gene: Waterfoul_27 Start: 23954, Stop: 25021, Start Num: 88

Candidate Starts for Waterfoul_27:

(Start: 88 @23954 has 91 MA's), (143, 24071), (193, 24176), (197, 24182), (229, 24242), (234, 24257), (250, 24284), (270, 24323), (273, 24326), (278, 24338), (280, 24341), (282, 24344), (288, 24359), (320, 24404), (324, 24410), (349, 24464), (364, 24512), (370, 24542), (385, 24587), (418, 24716), (436, 24770),

Gene: Weher20_33 Start: 32365, Stop: 33525, Start Num: 56

Candidate Starts for Weher20_33:

(Start: 56 @32365 has 333 MA's), (Start: 92 @32476 has 15 MA's), (112, 32521), (154, 32620), (185, 32680), (204, 32716), (214, 32740), (233, 32785), (235, 32791), (258, 32842), (280, 32881), (282, 32884), (287, 32896), (328, 32935), (347, 32968), (367, 33049), (392, 33142), (401, 33178), (405,

33187), (409, 33193), (481, 33418),

Gene: West99_33 Start: 32811, Stop: 33974, Start Num: 56

Candidate Starts for West99_33:

(26, 32664), (Start: 53 @32805 has 9 MA's), (Start: 56 @32811 has 333 MA's), (67, 32850), (77, 32880), (Start: 92 @32925 has 15 MA's), (112, 32970), (154, 33069), (185, 33129), (204, 33165), (214, 33189), (233, 33234), (235, 33240), (258, 33291), (280, 33330), (282, 33333), (287, 33345), (305, 33360), (328, 33384), (347, 33417), (367, 33498), (377, 33543), (392, 33591), (401, 33627), (405, 33636), (409, 33642), (481, 33867),

Gene: WheatThin_27 Start: 23315, Stop: 24382, Start Num: 92

Candidate Starts for WheatThin_27:

(Start: 92 @23315 has 15 MA's), (191, 23525), (278, 23693), (356, 23834), (360, 23849), (364, 23861), (368, 23885), (388, 23969), (433, 24116),

Gene: Wheezy_44 Start: 34957, Stop: 36015, Start Num: 125

Candidate Starts for Wheezy_44:

(1, 33517), (2, 33814), (6, 34045), (14, 34414), (65, 34792), (71, 34807), (75, 34825), (Start: 125 @34957 has 17 MA's), (281, 35302), (305, 35353), (331, 35401),

Gene: Whirlwind_23 Start: 22004, Stop: 23203, Start Num: 56

Candidate Starts for Whirlwind_23:

(Start: 56 @22004 has 333 MA's), (105, 22136), (126, 22184), (146, 22229), (148, 22235), (163, 22271), (181, 22310), (186, 22316), (189, 22322), (211, 22364), (240, 22436), (263, 22484), (271, 22496), (274, 22502), (310, 22571), (345, 22640), (367, 22733), (373, 22769), (390, 22823), (394, 22841), (460, 23033), (487, 23141),

Gene: Willsammy_22 Start: 21571, Stop: 22605, Start Num: 88

Candidate Starts for Willsammy_22:

(Start: 88 @21571 has 91 MA's), (158, 21727), (161, 21733), (219, 21841), (222, 21844), (229, 21859), (273, 21946), (294, 21991), (347, 22072), (364, 22129), (368, 22153), (394, 22258), (415, 22330), (434, 22375),

Gene: Windsor_32 Start: 32070, Stop: 33230, Start Num: 56

Candidate Starts for Windsor_32:

(Start: 56 @32070 has 333 MA's), (Start: 92 @32181 has 15 MA's), (112, 32226), (154, 32325), (185, 32385), (204, 32421), (214, 32445), (233, 32490), (235, 32496), (258, 32547), (280, 32586), (282, 32589), (287, 32601), (328, 32640), (347, 32673), (367, 32754), (377, 32799), (392, 32847), (401, 32883), (405, 32892), (409, 32898), (481, 33123),

Gene: Wyatt2_21 Start: 21688, Stop: 22860, Start Num: 56

Candidate Starts for Wyatt2_21:

(Start: 54 @21685 has 5 MA's), (Start: 56 @21688 has 333 MA's), (Start: 103 @21814 has 4 MA's), (119, 21856), (126, 21868), (127, 21871), (142, 21904), (147, 21916), (168, 21964), (175, 21982), (198, 22018), (204, 22033), (226, 22084), (237, 22114), (257, 22156), (272, 22180), (325, 22216), (327, 22222), (340, 22249), (345, 22267), (369, 22360), (370, 22363), (390, 22447), (430, 22585), (438, 22603), (467, 22687),

Gene: Xavia_22 Start: 21888, Stop: 22955, Start Num: 88

Candidate Starts for Xavia_22:

(Start: 88 @21888 has 91 MA's), (161, 22050), (184, 22092), (222, 22161), (250, 22221), (273, 22266), (282, 22284), (294, 22311), (347, 22392), (364, 22449), (368, 22473), (414, 22644),

Gene: Xavier_32 Start: 32087, Stop: 33247, Start Num: 56

Candidate Starts for Xavier_32:

(Start: 56 @32087 has 333 MA's), (Start: 92 @32198 has 15 MA's), (112, 32243), (154, 32342), (185, 32402), (204, 32438), (214, 32462), (233, 32507), (235, 32513), (258, 32564), (280, 32603), (282, 32606), (287, 32618), (328, 32657), (347, 32690), (367, 32771), (392, 32864), (401, 32900), (405, 32909), (409, 32915), (481, 33140),

Gene: Xeno_21 Start: 20200, Stop: 21240, Start Num: 85

Candidate Starts for Xeno_21:

(Start: 85 @20200 has 8 MA's), (161, 20365), (184, 20407), (222, 20476), (250, 20536), (273, 20581), (294, 20626), (347, 20707), (364, 20764), (368, 20788), (394, 20893), (415, 20965), (434, 21010),

Gene: Xincheng_29 Start: 32060, Stop: 33217, Start Num: 59

Candidate Starts for Xincheng_29:

(Start: 59 @32060 has 54 MA's), (84, 32153), (Start: 92 @32168 has 15 MA's), (98, 32183), (105, 32195), (112, 32213), (122, 32237), (132, 32255), (137, 32270), (174, 32354), (180, 32363), (190, 32381), (215, 32423), (218, 32429), (222, 32435), (224, 32441), (239, 32468), (243, 32477), (262, 32510), (286, 32543), (295, 32561), (326, 32603), (337, 32633), (345, 32639), (368, 32738), (369, 32741), (395, 32852), (409, 32885), (456, 33038), (464, 33062), (467, 33074),

Gene: Xula_21 Start: 20946, Stop: 22157, Start Num: 59

Candidate Starts for Xula_21:

(Start: 59 @20946 has 54 MA's), (63, 20970), (81, 21027), (Start: 103 @21075 has 4 MA's), (128, 21135), (131, 21144), (139, 21159), (149, 21183), (158, 21207), (165, 21219), (181, 21255), (204, 21294), (208, 21303), (217, 21327), (230, 21357), (280, 21441), (282, 21444), (291, 21465), (306, 21501), (308, 21504), (320, 21525), (336, 21567), (367, 21684), (374, 21720), (376, 21726), (409, 21831), (429, 21912),

Gene: Yahalom_33 Start: 32232, Stop: 33434, Start Num: 58

Candidate Starts for Yahalom_33:

(Start: 58 @32232 has 44 MA's), (67, 32265), (122, 32409), (127, 32418), (131, 32427), (148, 32466), (151, 32475), (158, 32493), (168, 32511), (175, 32529), (180, 32535), (187, 32547), (198, 32565), (204, 32580), (218, 32613), (230, 32640), (249, 32685), (290, 32766), (313, 32793), (324, 32811), (330, 32829), (345, 32871), (373, 33000), (398, 33090), (428, 33192), (450, 33249), (454, 33258), (467, 33297), (483, 33369), (492, 33411),

Gene: Yinz_33 Start: 32255, Stop: 33457, Start Num: 58

Candidate Starts for Yinz_33:

(Start: 58 @32255 has 44 MA's), (67, 32288), (122, 32432), (127, 32441), (131, 32450), (148, 32489), (151, 32498), (158, 32516), (168, 32534), (175, 32552), (180, 32558), (187, 32570), (198, 32588), (204, 32603), (218, 32636), (230, 32663), (249, 32708), (290, 32789), (313, 32816), (324, 32834), (330, 32852), (345, 32894), (373, 33023), (380, 33032), (398, 33113), (428, 33215), (450, 33272), (454, 33281), (467, 33320), (483, 33392), (492, 33434),

Gene: Yoshand_33 Start: 32373, Stop: 33533, Start Num: 56

Candidate Starts for Yoshand_33:

(Start: 56 @32373 has 333 MA's), (Start: 92 @32484 has 15 MA's), (112, 32529), (154, 32628), (185, 32688), (204, 32724), (214, 32748), (233, 32793), (235, 32799), (258, 32850), (280, 32889), (282, 32892), (287, 32904), (305, 32919), (328, 32943), (347, 32976), (367, 33057), (377, 33102), (392, 33150), (401, 33186), (405, 33195), (409, 33201), (481, 33426),

Gene: YouGoGlencoco_33 Start: 32368, Stop: 33528, Start Num: 56

Candidate Starts for YouGoGlencoco_33:

(Start: 56 @32368 has 333 MA's), (Start: 92 @32479 has 15 MA's), (112, 32524), (154, 32623), (185, 32683), (204, 32719), (214, 32743), (233, 32788), (235, 32794), (258, 32845), (280, 32884), (282, 32887), (287, 32899), (305, 32914), (328, 32938), (347, 32971), (367, 33052), (377, 33097), (392, 33145), (401, 33181), (405, 33190), (409, 33196), (481, 33421),

Gene: Zaider_34 Start: 32598, Stop: 33758, Start Num: 56

Candidate Starts for Zaider_34:

(Start: 56 @32598 has 333 MA's), (Start: 92 @32709 has 15 MA's), (112, 32754), (154, 32853), (185, 32913), (204, 32949), (214, 32973), (233, 33018), (235, 33024), (258, 33075), (280, 33114), (282, 33117), (287, 33129), (305, 33144), (328, 33168), (347, 33201), (367, 33282), (377, 33327), (392, 33375), (401, 33411), (405, 33420), (409, 33426), (481, 33651),

Gene: Zaria_21 Start: 21702, Stop: 22874, Start Num: 56

Candidate Starts for Zaria_21:

(Start: 54 @21699 has 5 MA's), (Start: 56 @21702 has 333 MA's), (Start: 103 @21828 has 4 MA's), (119, 21870), (126, 21882), (127, 21885), (142, 21918), (147, 21930), (150, 21939), (168, 21978), (175, 21996), (198, 22032), (204, 22047), (226, 22098), (237, 22128), (257, 22170), (272, 22194), (325, 22230), (327, 22236), (340, 22263), (345, 22281), (369, 22374), (370, 22377), (390, 22461), (430, 22599), (438, 22617), (467, 22701),

Gene: Zelda_33 Start: 32415, Stop: 33575, Start Num: 56

Candidate Starts for Zelda_33:

(Start: 56 @32415 has 333 MA's), (Start: 92 @32526 has 15 MA's), (112, 32571), (154, 32670), (185, 32730), (204, 32766), (214, 32790), (233, 32835), (235, 32841), (258, 32892), (280, 32931), (282, 32934), (287, 32946), (328, 32985), (347, 33018), (367, 33099), (377, 33144), (392, 33192), (401, 33228), (405, 33237), (409, 33243), (481, 33468),

Gene: Zemanar_31 Start: 32608, Stop: 33765, Start Num: 59

Candidate Starts for Zemanar_31:

(Start: 59 @32608 has 54 MA's), (84, 32701), (Start: 92 @32716 has 15 MA's), (98, 32731), (105, 32743), (112, 32761), (132, 32803), (174, 32902), (180, 32911), (190, 32929), (204, 32956), (215, 32971), (218, 32977), (222, 32983), (224, 32989), (239, 33016), (243, 33025), (262, 33058), (286, 33091), (326, 33151), (337, 33181), (345, 33187), (355, 33232), (368, 33286), (369, 33289), (409, 33433), (456, 33586),

Gene: Zenteno07_35 Start: 31167, Stop: 32306, Start Num: 57

Candidate Starts for Zenteno07_35:

(20, 30954), (Start: 57 @31167 has 3 MA's), (67, 31209), (80, 31257), (Start: 92 @31287 has 15 MA's), (106, 31308), (128, 31368), (148, 31416), (149, 31419), (151, 31425), (163, 31452), (174, 31476), (180, 31485), (207, 31536), (262, 31656), (273, 31674), (369, 31860), (382, 31905), (402, 31989), (409, 32001), (415, 32040), (444, 32118),

Gene: Zilizebeth_22 Start: 21299, Stop: 22336, Start Num: 88

Candidate Starts for Zilizebeth_22:

(81, 21275), (Start: 86 @21296 has 7 MA's), (Start: 88 @21299 has 91 MA's), (102, 21323), (161, 21461), (184, 21503), (222, 21572), (250, 21632), (273, 21677), (294, 21722), (347, 21803), (364, 21860), (368, 21884), (394, 21989), (415, 22061), (434, 22106), (486, 22271),

Gene: Zodiariah_22 Start: 21904, Stop: 22950, Start Num: 88

Candidate Starts for Zodiariah_22:

(Start: 88 @21904 has 91 MA's), (138, 22009), (183, 22114), (267, 22288), (270, 22291), (364, 22474), (405, 22630), (426, 22702), (441, 22750), (442, 22753), (458, 22786),

Gene: Zonia_33 Start: 32387, Stop: 33547, Start Num: 56

Candidate Starts for Zonia_33:

(Start: 56 @32387 has 333 MA's), (Start: 92 @32498 has 15 MA's), (112, 32543), (154, 32642), (185, 32702), (204, 32738), (214, 32762), (233, 32807), (235, 32813), (258, 32864), (280, 32903), (282, 32906), (287, 32918), (305, 32933), (328, 32957), (347, 32990), (367, 33071), (377, 33116), (392, 33164), (401, 33200), (405, 33209), (409, 33215), (481, 33440),