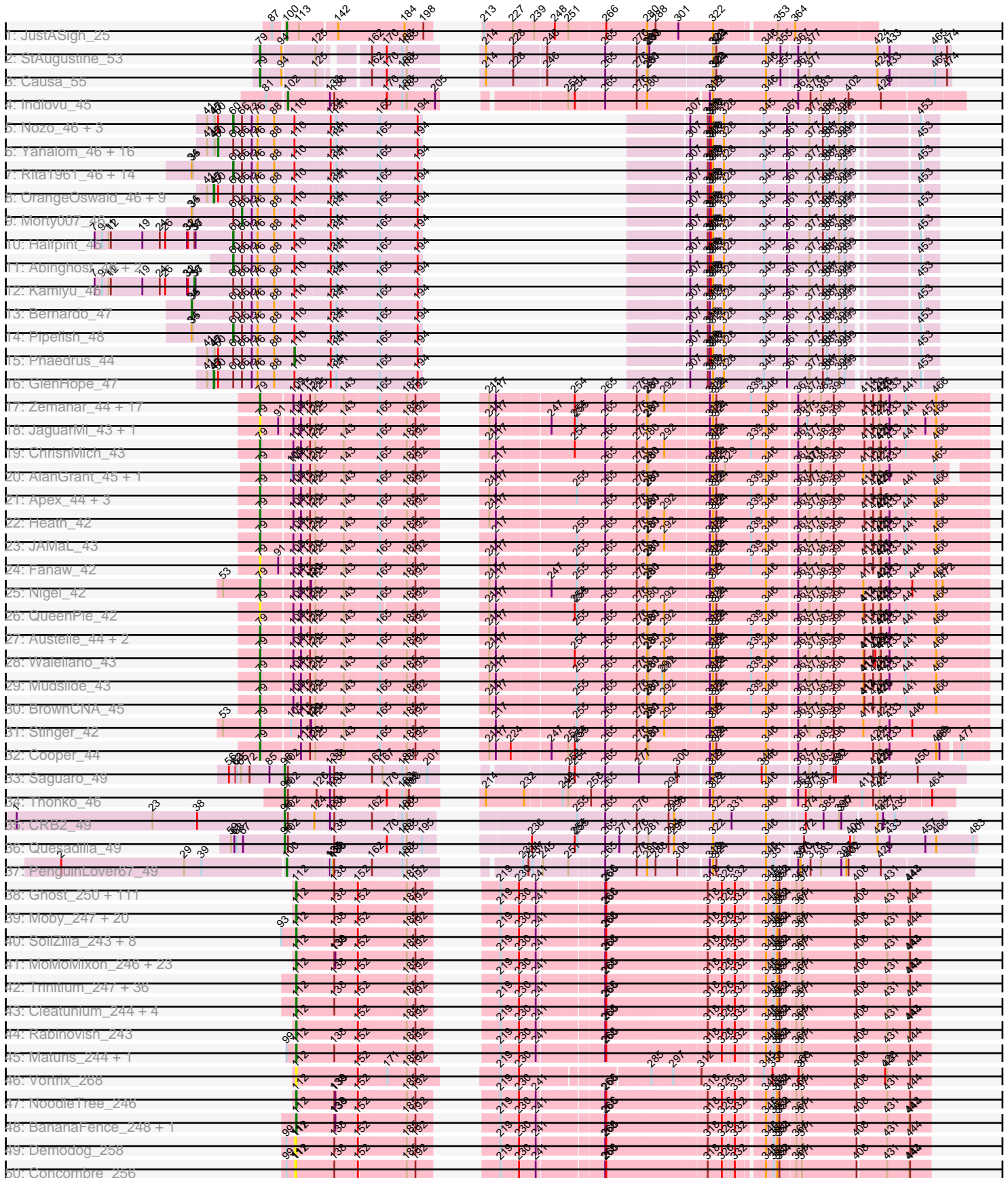
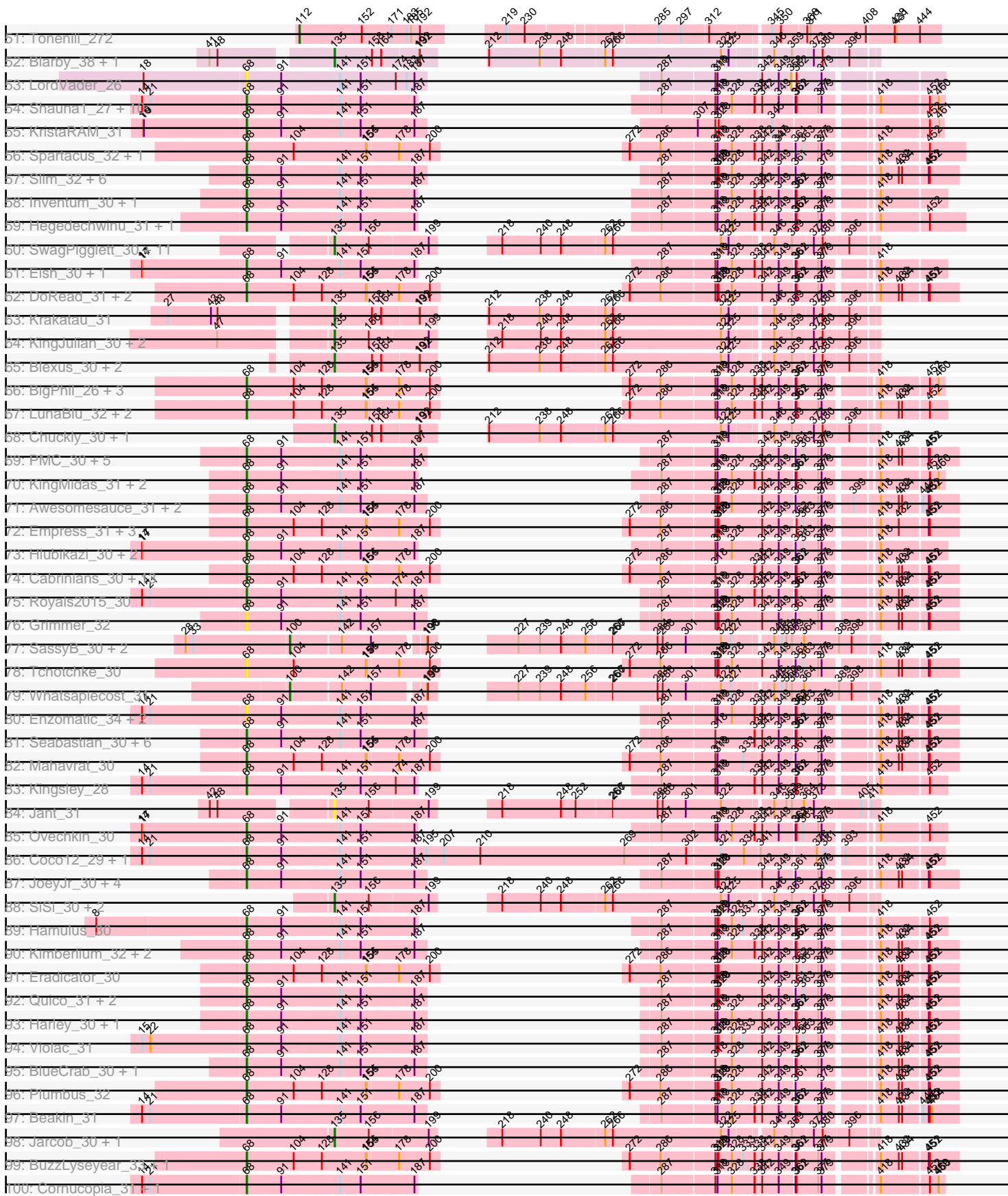


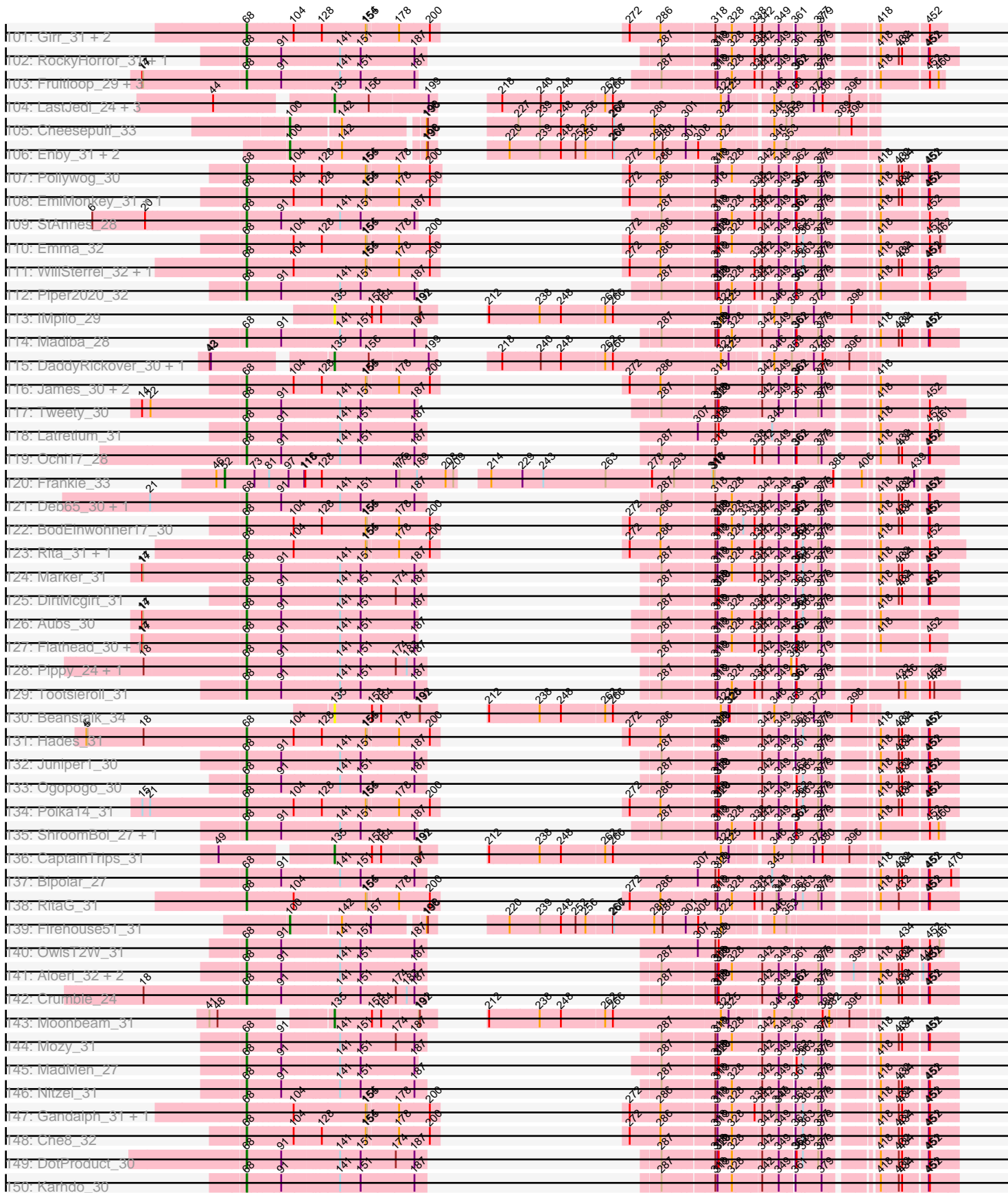
Pham 307802



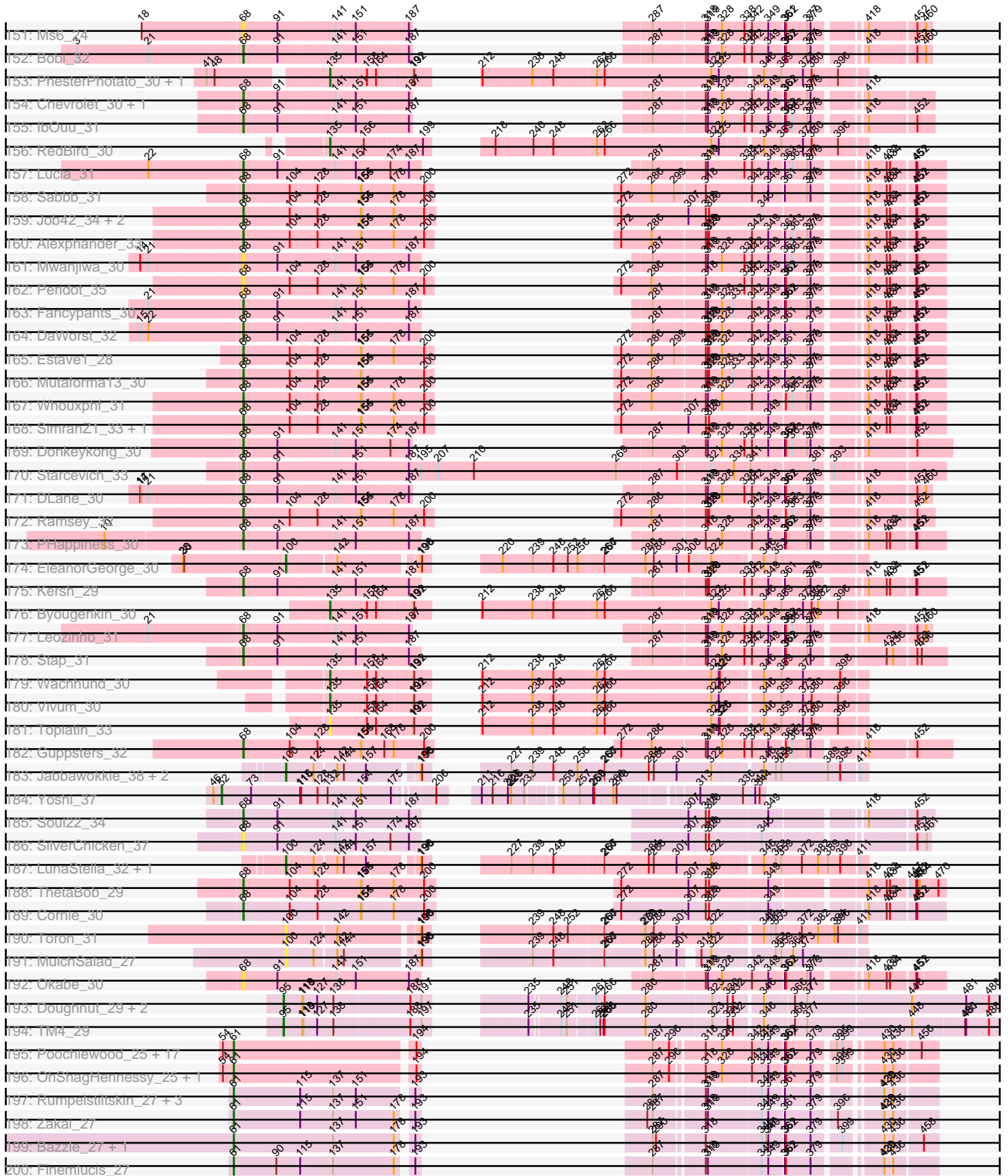
Pham 307802

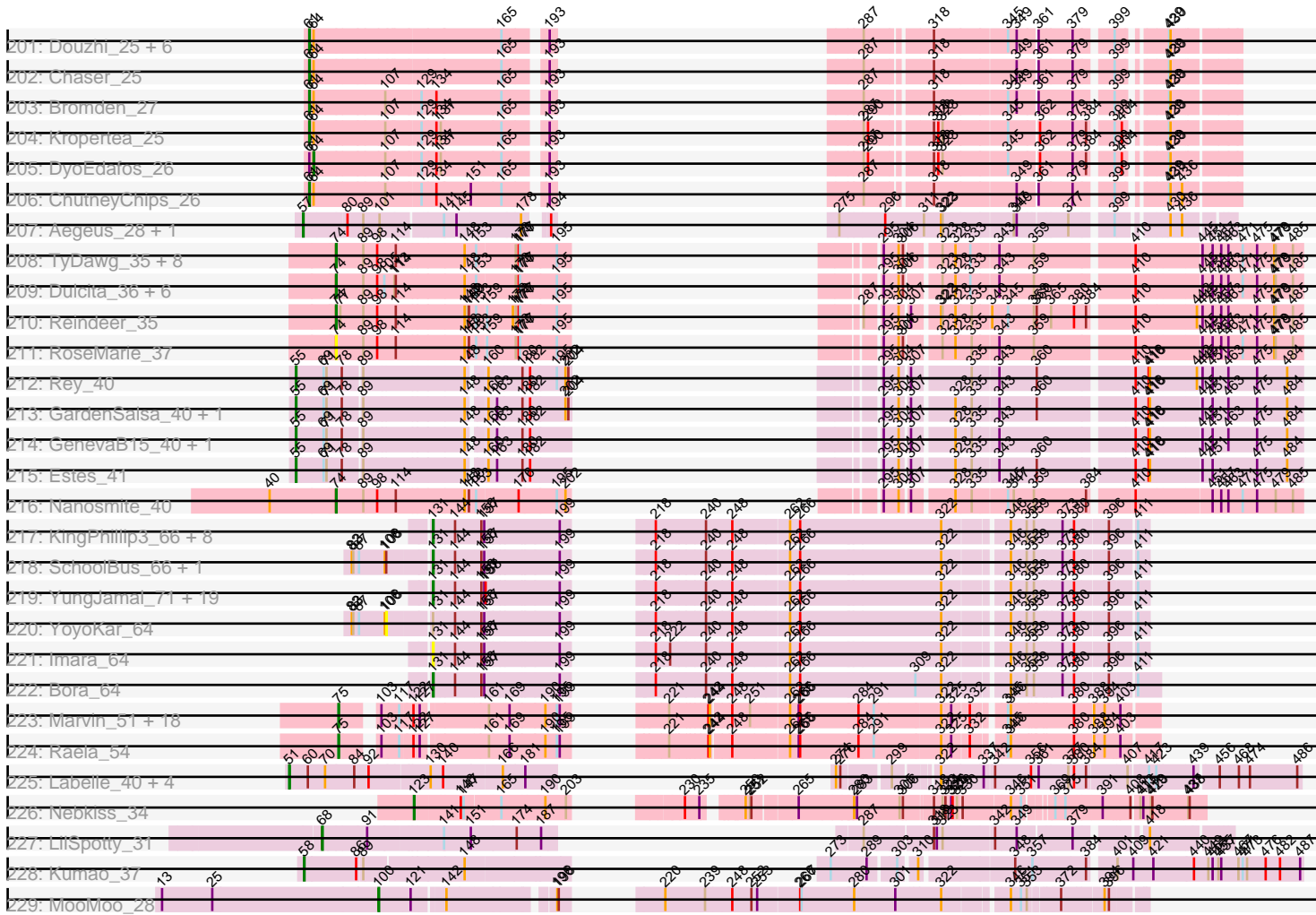


Pham 307802



Pham 307802





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 307802 Report

This analysis was run 06/27/26 on database version 652.

Pham number 307802 has 727 members, 100 are drafts.

Phages represented in each track:

- Track 1 : JustASigh_25
- Track 2 : StAugustine_53
- Track 3 : Causa_55
- Track 4 : Indlovu_45
- Track 5 : Nozo_46, Glubnar_47, SwainyDoc_46, ChaChing_46
- Track 6 : Yahalom_46, Daisy_46, Marlia_46, Corofin_46, Heathcliff_46, Chandler_46, Deenasa_46, Shenandoah_46, SynergyX_46, Chalmers_46, Phlyer_46, Yinz_46, RomaT_46, Akoma_46, RagingRooster_46, Tydolla_46, Kronus_45
- Track 7 : Rita1961_46, Obutu_46, Gervas_46, Mortcellus_45, Devonte_46, Casbah_45, LestyG_46, TinyTerror_46, MmasiCarm_46, Ben11_45, Olivio_45, Phayeta_47, Marley1013_46, SlippinJimmy_46, Chentzyk_46
- Track 8 : OrangeOswald_46, Philly_45, Compostia_47, Athena_47, Jackstina_43, Mulaychimus_46, Gadget_47, Briakila_47, Neos5_46, HarveySr_46
- Track 9 : Morty007_46
- Track 10 : Halfpint_45
- Track 11 : Abinghost_46, Baloo_46, Audrey_46
- Track 12 : Kamiyu_46
- Track 13 : Bernardo_47
- Track 14 : Pipefish_48
- Track 15 : Phaedrus_44
- Track 16 : GlenHope_47
- Track 17 : Zemanar_44, Hally898_42, Lambano_42, Fortunato_44, Epah_42, LittleDigger_42, GinPorsche_43, Antihero_42, Nanao_42, BobbyK_44, JoyceMaria_43, Magpie_42, Lolalove_44, RawrgerThat_44, Renkei_42, Ahwei_42, Frederick_44, Poster_42
- Track 18 : JaguarMi_43, Xincheng_42
- Track 19 : ChrisnMich_43
- Track 20 : AlanGrant_45, Vincenzo_44
- Track 21 : Apex_44, Hydro_43, VioletZ_45, Prince_43
- Track 22 : Heath_42
- Track 23 : JAMaL_43
- Track 24 : Fanaw_42
- Track 25 : Nigel_42
- Track 26 : QueenPie_42
- Track 27 : Austelle_44, Hangman_43, Mithril_43
- Track 28 : Waleliano_43

- Track 29 : Mudslide_43
- Track 30 : BrownCNA_45
- Track 31 : Stinger_42
- Track 32 : Cooper_44
- Track 33 : Saguaro_49
- Track 34 : Thonko_46
- Track 35 : CRB2_49
- Track 36 : Quesadilla_49
- Track 37 : PenguinLover67_49
- Track 38 : Ghost_250, Pier_249, Pivoine_251, ScottMcG_242, EmmaElysia_255, Kboogie_254, Naija_251, QBert_242, Roots515_253, Catera_239, LolaVinca_246, Phusco_249, Atlantean_250, Shnickers_249, ChickenPhender_246, MikeLiesIn_251, Fongie_250, Cali_240, DirtMonster_239, InigoMontoya_254, Gamgam_252, Grungle_232, YemiJoy2021_251, Tortoise16_248, ShiaLabeouf_248, Dietrick_239, Momo_252, Quasimodo_253, I3_260, ArcherS7_251, Sprinklers_248, Delylah_252, Adlitam_250, ParkTD_249, Derek_246, SmallFry_251, Rahel_252, Bipolarisk_248, JustHall_244, Babyland_253, BigCity_258, BackyardAgain_245, Caravan_240, NuevoMundo_252, Halldule_242, Littleton_254, EggyFarm_258, ValleyTerrace_251, BeanWater_243, Spec_244, Ewok_249, DTDevon_251, LRRHood_242, Melpomini_245, Loanshark_247, Jedediah_252, EasyJones_251, Latch_250, Mangeria_250, Burrough_251, JigglyPuff_256, NedWong_249, Pio_257, Grasshills_257, Amataga_251, Jaygup_247, DrPhinkDaddy_247, Turret_241, ChaylaJr_249, Capablanca_255, Zeenon_251, Iota_247, Delilah_248, Breeniome_250, Pleione_254, Gabriel_253, SilverDipper_255, Zalkecks_249, Bangla1971_251, Tyke_247, Drazdys_247, Bxz1_236, LifeSavor_251, Pupusa_253, Labradorite_247, Koguma_249, Izajani_246, Daffodil_256, GlutenPhree_251, Jezreel_247, YoungMoneyMata_250, Shelob_251, Megamind_247, Audrick_253, Wally_248, Matsumoto_248, Spud_242, Napoleon13_247, Ngannou_245, Fludd_250, Ava3_247, Jemmno_250, Chomp_249, Dessert_247, Phox_251, Rizal_239, Substance289_246, Norm_250, Essence_248, Sauce_247, Willis_251, Phlegm_255
- Track 39 : Moby_247, Jessibeth14_250, Rocha_246, Moiqah_246, Shaqnato_241, CharlieB_245, Colt_240, JulietS_239, Montpel_247, Khaleesi_249, Blubba_237, JayJay_250, Lunareta_247, Cane17_239, HyRo_235, Shifa_226, Blackdragon_245, McWolfish_247, DeejaClivia_237, SVoro_245, Sebata_250
- Track 40 : SoilZilla_243, Stubby_233, Pinkcreek_230, Yassified_246, ET08_236, Ronan_246, Duckfeet_244, LinStu_247, Alice_236
- Track 41 : MoMoMixon_246, Nappy_249, RoMag_245, Bigswole_255, Dandelion_256, Domi_244, Guwapp_246, Naval22_257, InterFolia_252, BadAgartude_244, StephanieG_244, IkeLoa_244, LookingGlass_248, Lethe_248, CindyLou_251, Lukilu_239, Tainan_250, Patter_252, LordLeafolot_251, Bezza_238, Kamryn_249, Nidhogg_251, FrayBell_253, Mikro_244
- Track 42 : Trinitium_247, Chargie21_248, Yucca_251, Specks_255, FoxtrotP1_249, FudgeTart_246, SrishMeg2525_248, McGee_252, JPickles_248, TinyTim_249, Ablatia_250, Salacia_252, ZygoTaiga_247, Gizmo_256, Morizzled23_248, Janiyra_254, Ading_253, BobaPhatt_243, Cactojaque_245, Teardrop_249, StubbySaigey_257, Blackbrain_249, OrediggerDelux_247, Basquiat_248, Belieber_244, Lee7_251, Primadonna_246, Maby2021_251, ErnieJ_244, PharkleMinkus_254, Bowman_249, Bread_247, Astraea_246, Erdmann_252, Fixie_251, Shrimp_253, EmToTheThree_251
- Track 43 : Cleatunium_244, Bonray_253, Asterius_251, PurduePete_251, Issimir_244
- Track 44 : Rabinovish_243

- Track 45 : Maturis_244, Flabslab_245
- Track 46 : Vortrix_268
- Track 47 : NoodleTree_246
- Track 48 : BananaFence_248, Darko_250
- Track 49 : Demodog_258
- Track 50 : Concombre_256
- Track 51 : Tonenili_272
- Track 52 : Blarby_38, XFactor_30
- Track 53 : LordVader_26
- Track 54 : Shauna1_27, MilleniumForce_31, Brushbloom_31, Brookers_28, Ardmore_29, DeadP_30, Doomslug_33, Kenuha5_27, Phanphagia_27, Taj_30, Wee_31
- Track 55 : KristaRAM_31
- Track 56 : Spartacus_32, Bubbles123_32
- Track 57 : Slim_32, Emmaloid_32, GigiOuiOui_30, Phasih_31, Veteran_30, Mantra_30, GUmbie_30
- Track 58 : Inventum_30, Sassafras_30
- Track 59 : Hegedechwinu_31, Juice456_31
- Track 60 : SwagPiggett_30, Yorick_30, NormanBulbieJr_30, Zizzle_30, Martik_30, Maravista_30, LilMoolah_30, Lizziana_30, ByChance_30, Nivrat_30, ShowerHandel_30, Burwell21_30
- Track 61 : Eish_30, Medindi_31
- Track 62 : DoRead_31, LittleShirley_33, Rialto_34
- Track 63 : Krakatau_31
- Track 64 : KingJulian_30, Corium_30, PatoPoderoso_30
- Track 65 : Blexus_30, Leperchaun_30, Pacc40_30
- Track 66 : BigPhil_26, Cerasum_26, Sarma624_26, Velveteen_26
- Track 67 : LunaBlu_32, Galactic_31, MinionDave_32
- Track 68 : Chuckly_30, Renaud18_30
- Track 69 : PMC_30, Rockne_30, Phatniss_31, UncleRicky_33, Llij_30, Drago_31
- Track 70 : KingMidas_31, Akhila_24, MilanaBonita_24
- Track 71 : Awesomesauce_31, Misha28_31, TootsiePop_31
- Track 72 : Empress_31, Sandalphon_31, OldBen_30, Dante_30
- Track 73 : Hlubikazi_30, Mandlovu_30, Strokeseat_30
- Track 74 : Cabrinians_30, Gorge_30, Spoonbill_30, Sparkdehlily_30, DRBy19_30, FreddyB_30, Saal_30, Totinger_31, Nichirin_31, Radiance_30, OlympiaSaint_30, Philus_30, Priscilla_30, TDanisky_30
- Track 75 : Royals2015_30
- Track 76 : Grimmer_32
- Track 77 : SassyB_30, Seagreen_31, PopTart_30
- Track 78 : Tchotchke_30
- Track 79 : Whatsapiecost_31
- Track 80 : Enzomatic_34, SeaLumen_33, Polo2Bam_34
- Track 81 : Seabastian_30, Jinglebell_29, OfUltron_30, Llama_30, Modragons_30, Oksu_31, AlpineSix_31
- Track 82 : Mahavrat_30
- Track 83 : Kingsley_28
- Track 84 : Jant_31
- Track 85 : Ovechkin_30
- Track 86 : Coco12_29, JalFarm20_32
- Track 87 : JoeyJr_30, Poenanya_30, Scottish_31, Doomphist_30, Daenerys_30
- Track 88 : SiSi_30, DillTech15_30, Fastidio_32
- Track 89 : Hamulus_30

- Track 90 : Kimberlium_32, MulchExplorer_32, QuickMath_31
- Track 91 : Eradicator_30
- Track 92 : Quico_31, Girafales_31, Florinda_30
- Track 93 : Harley_30, Ibhubesi_30
- Track 94 : Violac_31
- Track 95 : BlueCrab_30, Nimbo_30
- Track 96 : Plumbus_32
- Track 97 : Beakin_31
- Track 98 : Jarcob_30, ShiLan_30
- Track 99 : BuzzLyseyear_33, Spikelee_32
- Track 100 : Cornucopia_31, VRedHorse_30
- Track 101 : Girr_31, Ruby_31, MisterCuddles_31
- Track 102 : RockyHorror_31, Zerg_30
- Track 103 : Fruitloop_29, Batiatus_30, Filuzino_30, Melissauren88_30
- Track 104 : LastJedi_24, Koella_24, Jennelsea_24, Clifton_24
- Track 105 : Cheesepuff_33
- Track 106 : Enby_31, SG4_30, Lorde_31
- Track 107 : Pollywog_30
- Track 108 : EmiMonkey_31, PhlipPhlop_31
- Track 109 : StAnnes_28
- Track 110 : Emma_32
- Track 111 : WillSterrel_32, IrishSherpFalk_32
- Track 112 : Piper2020_32
- Track 113 : IMpilo_29
- Track 114 : Madiba_28
- Track 115 : DaddyRickover_30, Dorothy_30
- Track 116 : James_30, Mattes_30, BobaPhett_30
- Track 117 : Tweety_30
- Track 118 : Latretium_31
- Track 119 : Ochi17_28
- Track 120 : Frankie_33
- Track 121 : Deb65_30, Geralt_30
- Track 122 : BodEinwohner17_30
- Track 123 : Rita_31, SuperGrey_31
- Track 124 : Marker_31
- Track 125 : DirtMcgirt_31
- Track 126 : Aubs_30
- Track 127 : Flathead_30, Doug_31
- Track 128 : Pippy_24, Brocalys_25
- Track 129 : Tootsieroll_31
- Track 130 : Beanstalk_34
- Track 131 : Hades_31
- Track 132 : Juniper1_30
- Track 133 : Ogopogo_30
- Track 134 : Polka14_31
- Track 135 : ShroomBoi_27, Mova_31
- Track 136 : CaptainTrips_31
- Track 137 : Bipolar_27
- Track 138 : RitaG_31
- Track 139 : Firehouse51_31
- Track 140 : OwlsT2W_31
- Track 141 : Aloeri_32, DocMcStuffins_32, ChickenDinner_32
- Track 142 : Crumble_24

- Track 143 : Moonbeam_31
- Track 144 : Mozy_31
- Track 145 : MadMen_27
- Track 146 : Nitzel_31
- Track 147 : Gandalph_31, Clank_28
- Track 148 : Che8_32
- Track 149 : DotProduct_30
- Track 150 : Karhdo_30
- Track 151 : Ms6_24
- Track 152 : Bobi_32
- Track 153 : PhesterPhotato_30, Phalconet_30
- Track 154 : Chevrolet_30, ArcusAngelus_30
- Track 155 : IbOuu_31
- Track 156 : RedBird_30
- Track 157 : Lucia_31
- Track 158 : Sabbb_31
- Track 159 : Job42_34, DosHalletts_32, Minnie_32
- Track 160 : Alexphander_33
- Track 161 : Mwanjiwa_30
- Track 162 : Peridot_35
- Track 163 : Fancypants_30
- Track 164 : DaWorst_32
- Track 165 : Estave1_28
- Track 166 : Mutaforma13_30
- Track 167 : Whouxphf_31
- Track 168 : SimranZ1_33, Boomer_32
- Track 169 : Donkeykong_30
- Track 170 : Starceвич_33
- Track 171 : DLane_30
- Track 172 : Ramsey_32
- Track 173 : PHappiness_30
- Track 174 : EleanorGeorge_30
- Track 175 : Kersh_29
- Track 176 : Byougenkin_30
- Track 177 : Leozinho_31
- Track 178 : Stap_31
- Track 179 : Wachhund_30
- Track 180 : Vivum_30
- Track 181 : Topiatin_33
- Track 182 : Guppsters_32
- Track 183 : Jabbawokkie_38, Zapner_37, Demsculpinboyz_35
- Track 184 : Yoshi_37
- Track 185 : Soul22_34
- Track 186 : SilverChicken_37
- Track 187 : LunaStella_32, TChen_30
- Track 188 : ThetaBob_29
- Track 189 : Cornie_30
- Track 190 : Toron_31
- Track 191 : MulchSalad_27
- Track 192 : Okabe_30
- Track 193 : Doughnut_29, Mufasa_29, BoostSeason_29
- Track 194 : TM4_29

- Track 195 : Poochiewood_25, Tyson_25, Wamburgexpress_25, UPIE_25, Silverleaf_25, LeBron_25, AvadaKedavra_25, Rose5_25, Acquire49_25, Enceladus_25, Appletree2_25, Calm_25, CicholasNage_25, Zaria_25, Halena_25, Wyatt2_25, MAckerman_25, DirkDirk_25
- Track 196 : OhShagHennessy_25, JoeDirt_25
- Track 197 : Rumpelstiltskin_27, Gabriela_27, SoJulia_28, Rossetti_27
- Track 198 : Zakai_27
- Track 199 : Bazzle_27, Archie_27
- Track 200 : Finemlucis_27
- Track 201 : Douzhi_25, FarmResident_25, Sheng711_25, Quby_25, PYPDinur_25, Douge_25, BrainDrainer_26
- Track 202 : Chaser_25
- Track 203 : Bromden_27
- Track 204 : Kropertea_25
- Track 205 : DyoEdafos_26
- Track 206 : ChutneyChips_26
- Track 207 : Aegeus_28, Baudelaire_28
- Track 208 : TyDawg_35, FreakyGoo_36, Skinny_36, LilhomieP_34, Bricole_35, Bongo_35, TpudiCK_36, IPhane7_35, PegLeg_35
- Track 209 : Dulcita_36, Auspice_35, Diminimus_36, SlimJimmy_34, Izel_36, Glaske16_36, KleverKiS_35
- Track 210 : Reindeer_35
- Track 211 : RoseMarie_37
- Track 212 : Rey_40
- Track 213 : GardenSalsa_40, MrMagoo_40
- Track 214 : GenevaB15_40, Aziz_40
- Track 215 : Estes_41
- Track 216 : Nanosmite_40
- Track 217 : KingPhillip3_66, JangDynasty_66, TelAviv_63, Catdawg_66, MadKillah_67, Idergollasper_66, Zebo_66, Schuy_67, Blessica_67
- Track 218 : SchoolBus_66, Familton_67
- Track 219 : YungJamal_71, Shida_66, Ryadel_70, Vorrrps_66, Vagabond_66, Wogge42_65, Corndog_69, Dylan_66, Alkhayr_66, Firecracker_67, Smooch_69, Ashwin_68, Murai_67, FoulBall_66, Winget_67, Wildflower_66, Krili_65, Mori_66, NiebruSaylor_65, Zakhe101_65
- Track 220 : YoyoKar_64
- Track 221 : Imara_64
- Track 222 : Bora_64
- Track 223 : Marvin_51, Poise_54, Beelzebub_58, Pringar_54, Blackbeetle_54, Huphlepuuff_56, GoongGoong_53, MosMoris_52, LittleLaf_54, Clarkson_55, Gattaca_53, Tesla_52, Lilbit_53, JoieB_55, RedRaider77_53, Corazon_52, Caprice_51, FeliMaine_56, VasuNzinga_54
- Track 224 : Raela_54
- Track 225 : Labelle_40, Patience_41, SuperSonics_40, Demikore_41, Madrugua_39
- Track 226 : Nebkiss_34
- Track 227 : LilSpotty_31
- Track 228 : Kumao_37
- Track 229 : MooMoo_28

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

The start number called the most often in the published annotations is 68, it was called in 188 of the 627 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akhila_24, Alexphander_33, Aloeri_32, AlpineSix_31, ArcusAngelus_30, Ardmore_29, Aubs_30, Awesomesauce_31, Batiatus_30, Beakin_31, BigPhil_26, Bipolar_27, BlueCrab_30, BobaPhett_30, Bobi_32, BodEinwohner17_30, Boomer_32, Brocalys_25, Brookers_28, Brushbloom_31, Bubbles123_32, BuzzLyseyear_33, Cabrinians_30, Cerasum_26, Che8_32, Chevrolet_30, ChickenDinner_32, Clank_28, Coco12_29, Cornie_30, Cornucopia_31, Crumble_24, DLane_30, DRBy19_30, DaWorst_32, Daenerys_30, Dante_30, DeadP_30, Deb65_30, DirtMcgirt_31, DoRead_31, DocMcStuffins_32, Donkeykong_30, Doomphist_30, Doomslug_33, DosHalletts_32, DotProduct_30, Doug_31, Drago_31, Eish_30, EmiMonkey_31, Emma_32, Emmaloid_32, Empress_31, Enzomatic_34, Eradicator_30, Estave1_28, Fancypants_30, Filuzino_30, Flathead_30, Florinda_30, FreddyB_30, Fruitloop_29, GUmbie_30, Galactic_31, Gandalph_31, Geralt_30, GigiOuiOui_30, Girafales_31, Girr_31, Gorge_30, Grimmer_32, Guppsters_32, Hades_31, Hamulus_30, Harley_30, Hegedechwinu_31, Hlubikazi_30, IbOuu_31, Ibhubesi_30, Inventum_30, IrishSherpFalk_32, JalFarm20_32, James_30, Jinglebell_29, Job42_34, JoeyJr_30, Juice456_31, Juniper1_30, Karhdo_30, Kenuha5_27, Kersh_29, Kimberlium_32, KingMidas_31, Kingsley_28, KristaRAM_31, Latretium_31, Leozinho_31, LilSpotty_31, LittleShirley_33, Llama_30, Llij_30, LordVader_26, Lucia_31, LunaBlu_32, MadMen_27, Madiba_28, Mahavrat_30, Mandlovu_30, Mantra_30, Marker_31, Mattes_30, Medindi_31, Melissauren88_30, MilanaBonita_24, MilleniumForce_31, MinionDave_32, Minnie_32, Misha28_31, MisterCuddles_31, Modragons_30, Mova_31, Mozy_31, Ms6_24, MulchExplorer_32, Mutaforma13_30, Mwanjiwa_30, Nichirin_31, Nimbo_30, Nitzel_31, Ochi17_28, OfUltron_30, Ogopogo_30, Okabe_30, Oksu_31, OldBen_30, OlympiaSaint_30, Ovechkin_30, OwlsT2W_31, PHappiness_30, PMC_30, Peridot_35, Phanphagia_27, Phasih_31, Phatniss_31, Philus_30, PhlipPhlop_31, Piper2020_32, Pippy_24, Plumbus_32, Poenanya_30, Polka14_31, Pollywog_30, Polo2Bam_34, Priscilla_30, QuickMath_31, Quico_31, Radiance_30, Ramsey_32, Rialto_34, RitaG_31, Rita_31, Rockne_30, RockyHorror_31, Royals2015_30, Ruby_31, Saal_30, Sabbb_31, Sandalphon_31, Sarma624_26, Sassafras_30, Scottish_31, SeaLumen_33, Sebastian_30, Shauna1_27, ShroomBoi_27, SilverChicken_37, SimranZ1_33, Slim_32, Soul22_34, Sparkdehlily_30, Spartacus_32, Spikelee_32, Spoonbill_30, StAnnes_28, Stap_31, Starcevich_33, Strokeseat_30, SuperGrey_31, TDanisky_30, Taj_30, Tchotchke_30, ThetaBob_29, TootsiePop_31, Tootsieroll_31, Totinger_31, Tweety_30, UncleRicky_33, VRedHorse_30, Velveteen_26, Veteran_30, Violac_31, Wee_31, Whouxphf_31, WillSterrel_32, Zerg_30,

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

-

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

- Abinghost_46, Ablatia_250, Acquire49_25, Ading_253, Adlitam_250, Aegeus_28, Ahwei_42, Akoma_46, AlanGrant_45, Alice_236, Alkhayr_66, Amataga_251, Antihero_42, Apex_44, Appletree2_25, ArcherS7_251, Archie_27, Ashwin_68, Asterius_251, Astraea_246, Athena_47, Atlantean_250, Audrey_46, Audrick_253, Auspice_35, Austelle_44, Ava3_247, AvadaKedavra_25, Aziz_40, Babyland_253, BackyardAgain_245, BadAgartude_244, Baloo_46, BananaFence_248, Bangla1971_251, Basquiat_248, Baudelaire_28, Bazzle_27, BeanWater_243,

Beanstalk_34, Beelzebub_58, Belieber_244, Ben11_45, Bernardo_47, Bezza_238, BigCity_258, Bigswole_255, Bipolarisk_248, Blackbeetle_54, Blackbrain_249, Blackdragon_245, Blarby_38, Blessica_67, Blexus_30, Blubba_237, BobaPhatt_243, BobbyK_44, Bongo_35, Bonray_253, BoostSeason_29, Bora_64, Bowman_249, BrainDrainer_26, Bread_247, Breeniome_250, Briakila_47, Bricole_35, Bromden_27, BrownCNA_45, Burrough_251, Burwell21_30, Bxz1_236, ByChance_30, Byougenkin_30, CRB2_49, Cactojaque_245, Cali_240, Calm_25, Cane17_239, Capablanca_255, Caprice_51, CaptainTrips_31, Caravan_240, Casbah_45, Catdawg_66, Catera_239, Causa_55, ChaChing_46, Chalmers_46, Chandler_46, Chargie21_248, CharlieB_245, Chaser_25, ChaylaJr_249, CheesePuff_33, Chentzyk_46, ChickenPhender_246, Chomp_249, ChrisnMich_43, Chuckly_30, ChutneyChips_26, CicholasNage_25, CindyLou_251, Clarkson_55, Cleatunium_244, Clifton_24, Colt_240, Compostia_47, Concombre_256, Cooper_44, Corazon_52, Corium_30, Corndog_69, Corofin_46, DTDevon_251, DaddyRickover_30, Daffodil_256, Daisy_46, Dandelion_256, Darko_250, DeejaClivia_237, Deenasa_46, Delilah_248, Delylah_252, Demikore_41, Demodog_258, Demsculpinboyz_35, Derek_246, Dessert_247, Devonte_46, Dietrick_239, DillTech15_30, Diminimus_36, DirkDirk_25, DirtMonster_239, Domi_244, Dorothy_30, Douge_25, Doughnut_29, Douzhi_25, DrPhinkDaddy_247, Drazdys_247, Duckfeet_244, Dulcita_36, Dylan_66, DyoEdafos_26, ET08_236, EasyJones_251, EggyFarm_258, EleanorGeorge_30, EmToTheThree_251, EmmaElysia_255, Enby_31, Enceladus_25, Epah_42, Erdmann_252, ErnieJ_244, Essence_248, Estes_41, Ewok_249, Familton_67, Fanaw_42, FarmResident_25, Fastidio_32, FeliMaine_56, Finemlucis_27, Firecracker_67, Firehouse51_31, Fixie_251, Flabslab_245, Fludd_250, Fongie_250, Fortunato_44, FoulBall_66, FoxtrotP1_249, Frankie_33, FrayBell_253, FreakyGoo_36, Frederick_44, FudgeTart_246, Gabriel_253, Gabriela_27, Gadget_47, Gamgam_252, GardenSalsa_40, Gattaca_53, GenevaB15_40, Gervas_46, Ghost_250, GinPorsche_43, Gizmo_256, Glaske16_36, GlenHope_47, Glubnar_47, GlutenPhree_251, GoongGoong_53, Grasshills_257, Grungle_232, Guwapp_246, Halena_25, Halfpint_45, Halldule_242, Hally898_42, Hangman_43, HarveySr_46, Heath_42, Heathcliff_46, HuphlePuff_56, HyRo_235, Hydro_43, I3_260, IMpilo_29, IPhane7_35, Idergollasper_66, IkeLoa_244, Imara_64, Indlovu_45, InigoMontoya_254, InterFolia_252, Iota_247, Issimir_244, Izajani_246, Izel_36, JAMaL_43, JPickles_248, Jabbawokkie_38, Jackstina_43, JaguarMi_43, JangDynasty_66, Janiyra_254, Jant_31, Jarcob_30, JayJay_250, Jaygup_247, Jedediah_252, Jemmno_250, Jennelsea_24, Jessibeth14_250, Jezreel_247, JigglyPuff_256, JoeDirt_25, JoieB_55, JoyceMaria_43, JulietS_239, JustASigh_25, JustHall_244, Kamiyu_46, Kamryn_249, Kboogie_254, Khaleesi_249, KingJulian_30, KingPhillip3_66, KleverKiS_35, Koella_24, Koguma_249, Krakatau_31, Krili_65, Kronus_45, Kropertea_25, Kumao_37, LRRHood_242, Labelle_40, Labradorite_247, Lambano_42, LastJedi_24, Latch_250, LeBron_25, Lee7_251, Leperchaun_30, LestyG_46, Lethe_248, LifeSavor_251, LilMoolah_30, Lilbit_53, LilhomieP_34, LinStu_247, LittleDigger_42, LittleLaf_54, Littleton_254, Lizziana_30, Loanshark_247, LolaVinca_246, Lolalove_44, LookingGlass_248, LordLeafolot_251, Lorde_31, Lukilu_239, LunaStella_32, Lunareta_247, MAckerman_25, Maby2021_251, MadKillah_67, Madruga_39, Magpie_42, Mangeria_250, Maravista_30, Marley1013_46, Marlia_46, Martik_30, Marvin_51, Matsumoto_248, Maturis_244, McGee_252, McWolfish_247, Megamind_247, Melpomini_245, MikeLiesIn_251, Mikro_244, Mithril_43, MmasiCarm_46, MoMoMixon_246, Moby_247, Moiqah_246, Momo_252, Montpel_247, MooMoo_28, Moonbeam_31, Mori_66, Morizzled23_248, Mortcellus_45, Morty007_46, MosMoris_52, MrMagoo_40, Mudslide_43, Mufasa_29, Mulaychimus_46, MulchSalad_27, Murai_67, Naija_251, Nanao_42, Nanosmite_40, Napoleon13_247, Nappy_249, Naval22_257, Nebkiss_34, NedWong_249,

Neos5_46, Ngannou_245, Nidhogg_251, NiebruSaylor_65, Nigel_42, Nivrat_30, NoodleTree_246, Norm_250, NormanBulbieJr_30, Nozo_46, NuevoMundo_252, Obutu_46, OhShagHennessy_25, Olivio_45, OrangeOswald_46, OrediggerDelux_247, PYPDinur_25, Pacc40_30, ParkTD_249, Patience_41, PatoPoderoso_30, Patter_252, PegLeg_35, PenguinLover67_49, Phaedrus_44, Phalconet_30, PharkleMinkus_254, Phayeta_47, PhesterPhotato_30, Philly_45, Phlegm_255, Phlyer_46, Phox_251, Phusco_249, Pier_249, Pinkcreek_230, Pio_257, Pipefish_48, Pivoine_251, Pleione_254, Poise_54, Poochiewood_25, PopTart_30, Poster_42, Primadonna_246, Prince_43, Pringar_54, Pupusa_253, PurduePete_251, QBert_242, Quasimodo_253, Quby_25, QueenPie_42, Quesadilla_49, Rabinovish_243, Raela_54, RagingRooster_46, Rahel_252, RawrgerThat_44, RedBird_30, RedRaider77_53, Reindeer_35, Renaud18_30, Renkei_42, Rey_40, Rita1961_46, Rizal_239, RoMag_245, Rocha_246, RomaT_46, Ronan_246, Roots515_253, Rose5_25, RoseMarie_37, Rossetti_27, Rumpelstiltskin_27, Ryadel_70, SG4_30, SVoro_245, Saguaro_49, Salacia_252, SassyB_30, Sauce_247, SchoolBus_66, Schuy_67, ScottMcG_242, Seagreen_31, Sebata_250, Shaqnato_241, Shelob_251, Shenandoah_46, Sheng711_25, ShiLan_30, ShiaLabeouf_248, Shida_66, Shifa_226, Shnickers_249, ShowerHandel_30, Shrimp_253, SiSi_30, SilverDipper_255, Silverleaf_25, Skinny_36, SlimJimmy_34, SlippinJimmy_46, SmallFry_251, Smooch_69, SoJulia_28, SoilZilla_243, Spec_244, Specks_255, Sprinklers_248, Spud_242, SrishMeg2525_248, StAugustine_53, StephanieG_244, Stinger_42, StubbySaigey_257, Stubby_233, Substance289_246, SuperSonics_40, SwagPiggett_30, SwainyDoc_46, SynergyX_46, TChen_30, TM4_29, Tainan_250, Teardrop_249, TelAviv_63, Tesla_52, Thonko_46, TinyTerror_46, TinyTim_249, Tonenili_272, Topiatin_33, Toron_31, Tortoise16_248, TpudiCK_36, Trinitium_247, Turret_241, TyDawg_35, Tydolla_46, Tyke_247, Tyson_25, UPIE_25, Vagabond_66, ValleyTerrace_251, VasuNzinga_54, Vincenzo_44, VioletZ_45, Vivum_30, Vorrrps_66, Vortrix_268, Wachhund_30, Waleliano_43, Wally_248, Wamburgxpress_25, Whatsapiecost_31, Wildflower_66, Willis_251, Winget_67, Wogge42_65, Wyatt2_25, XFactor_30, Xincheng_42, Yahalom_46, Yassified_246, YemiJoy2021_251, Yinz_46, Yorick_30, Yoshi_37, YoungMoneyMata_250, YoyoKar_64, Yucca_251, YungJamal_71, Zakai_27, Zakhe101_65, Zalkecks_249, Zapner_37, Zaria_25, Zebo_66, Zeenon_251, Zemanar_44, Zizzle_30, ZygoTaiga_247,

Summary by start number:

Start 34:

- Found in 18 of 727 (2.5%) of genes in pham
- Manual Annotations of this start: 1 of 627
- Called 5.6% of time when present
- Phage (with cluster) where this start called: Bernardo_47 (B3),

Start 36:

- Found in 2 of 727 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 627
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Kamiyu_46 (B3),

Start 45:

- Found in 33 of 727 (4.5%) of genes in pham
- Manual Annotations of this start: 10 of 627

- Called 33.3% of time when present
- Phage (with cluster) where this start called: Athena_47 (B3), Briakila_47 (B3), Compostia_47 (B3), Gadget_47 (B3), GlenHope_47 (B3), HarveySr_46 (B3), Jackstina_43 (B3), Mulaychimus_46 (B3), Neos5_46 (B3), OrangeOswald_46 (B3), Philly_45 (B3),

Start 50:

- Found in 33 of 727 (4.5%) of genes in pham
- Manual Annotations of this start: 15 of 627
- Called 51.5% of time when present
- Phage (with cluster) where this start called: Akoma_46 (B3), Chalmers_46 (B3), Chandler_46 (B3), Corofin_46 (B3), Daisy_46 (B3), Deenasa_46 (B3), Heathcliff_46 (B3), Kronus_45 (B3), Marlia_46 (B3), Phlyer_46 (B3), RagingRooster_46 (B3), RomaT_46 (B3), Shenandoah_46 (B3), SynergyX_46 (B3), Tydolla_46 (B3), Yahalom_46 (B3), Yinz_46 (B3),

Start 51:

- Found in 5 of 727 (0.7%) of genes in pham
- Manual Annotations of this start: 3 of 627
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Demikore_41 (U), Labelle_40 (U), Madrugua_39 (U), Patience_41 (U), SuperSonics_40 (U),

Start 52:

- Found in 2 of 727 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 627
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Frankie_33 (F1), Yoshi_37 (F2),

Start 55:

- Found in 6 of 727 (0.8%) of genes in pham
- Manual Annotations of this start: 6 of 627
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aziz_40 (M2), Estes_41 (M2), GardenSalsa_40 (M2), GenevaB15_40 (M2), MrMagoo_40 (M2), Rey_40 (M2),

Start 57:

- Found in 2 of 727 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 627
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aegeus_28 (L5), Baudelaire_28 (L5),

Start 58:

- Found in 1 of 727 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 627
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kumao_37 (singleton),

Start 60:

- Found in 61 of 727 (8.4%) of genes in pham
- Manual Annotations of this start: 22 of 627
- Called 39.3% of time when present

- Phage (with cluster) where this start called: Abinghost_46 (B3), Audrey_46 (B3), Baloo_46 (B3), Ben11_45 (B3), Casbah_45 (B3), ChaChing_46 (B3), Chentzyk_46 (B3), Devonte_46 (B3), Gervas_46 (B3), Glubnar_47 (B3), Halfpint_45 (B3), LestyG_46 (B3), Marley1013_46 (B3), MmasiCarm_46 (B3), Mortcellus_45 (B3), Nozo_46 (B3), Obutu_46 (B3), Olivio_45 (B3), Phayeta_47 (B3), Pipefish_48 (B3), Rita1961_46 (B3), SlippinJimmy_46 (B3), SwainyDoc_46 (B3), TinyTerror_46 (B3),

Start 61:

- Found in 41 of 727 (5.6%) of genes in pham
- Manual Annotations of this start: 30 of 627
- Called 95.1% of time when present
- Phage (with cluster) where this start called: Acquire49_25 (L1), Appletree2_25 (L1), Archie_27 (L2), AvadaKedavra_25 (L1), Bazzle_27 (L2), BrainDrainer_26 (L4), Bromden_27 (L4), Calm_25 (L1), Chaser_25 (L4), ChutneyChips_26 (L4), CicholasNage_25 (L1), DirkDirk_25 (L1), Douge_25 (L4), Douzhi_25 (L4), Enceladus_25 (L1), FarmResident_25 (L4), Finemlucis_27 (L2), Gabriela_27 (L2), Halena_25 (L1), JoeDirt_25 (L1), Kropertea_25 (L4), LeBron_25 (L1), MAckerman_25 (L1), OhShagHennessy_25 (L1), PYPDinur_25 (L4), Poochiewood_25 (L1), Quby_25 (L4), Rose5_25 (L1), Rossetti_27 (L2), Rumpelstiltskin_27 (L2), Sheng711_25 (L4), Silverleaf_25 (L1), SoJulia_28 (L2), Tyson_25 (L1), UPIE_25 (L1), Wamburgxpress_25 (L1), Wyatt2_25 (L1), Zakai_27 (L2), Zaria_25 (L1),

Start 64:

- Found in 12 of 727 (1.7%) of genes in pham
- Manual Annotations of this start: 1 of 627
- Called 8.3% of time when present
- Phage (with cluster) where this start called: DyoEdafos_26 (L4),

Start 66:

- Found in 56 of 727 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 627
- Called 1.8% of time when present
- Phage (with cluster) where this start called: Morty007_46 (B3),

Start 68:

- Found in 206 of 727 (28.3%) of genes in pham
- Manual Annotations of this start: 188 of 627
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Akhila_24 (F1), Alexphander_33 (F1), Aloeri_32 (F1), AlpineSix_31 (F1), ArcusAngelus_30 (F1), Ardmore_29 (F1), Aubs_30 (F1), Awesomesauce_31 (F1), Batiatus_30 (F1), Beakin_31 (F1), BigPhil_26 (F1), Bipolar_27 (F1), BlueCrab_30 (F1), BobaPhett_30 (F1), Bobi_32 (F1), BodEinwohner17_30 (F1), Boomer_32 (F1), Brocalys_25 (F1), Brookers_28 (F1), Brushbloom_31 (F1), Bubbles123_32 (F1), BuzzLyseyear_33 (F1), Cabrinians_30 (F1), Cerasum_26 (F1), Che8_32 (F1), Chevrolet_30 (F1), ChickenDinner_32 (F1), Clank_28 (F), Coco12_29 (F1), Cornie_30 (F5), Cornucopia_31 (F1), Crumble_24 (F1), DLane_30 (F1), DRBy19_30 (F1), DaWorst_32 (F1), Daenerys_30 (F1), Dante_30 (F1), DeadP_30 (F1), Deb65_30 (F1), DirtMcgirt_31 (F1), DoRead_31 (F1), DocMcStuffs_32 (F1), Donkeykong_30 (F1), Doomphist_30 (F1), Doomslug_33 (F), DosHalletts_32 (F1), DotProduct_30 (F1), Doug_31 (F1), Drago_31 (F1), Eish_30 (F1), EmiMonkey_31 (F1), Emma_32 (F1), Emmaloid_32 (F1), Empress_31 (F1), Enzomatic_34 (F1), Eradicator_30 (F1), Estave1_28 (F1), Fancypants_30 (F1), Filuzino_30 (F1), Flathead_30 (F1), Florinda_30 (F1), FreddyB_30 (F1), Fruitloop_29

(F1), GUmbie_30 (F1), Galactic_31 (F1), Gandalph_31 (F1), Geralt_30 (F1), GigiOuiOui_30 (F1), Girafales_31 (F1), Girr_31 (F1), Gorge_30 (F1), Grimmer_32 (F1), Guppsters_32 (F1), Hades_31 (F1), Hamulus_30 (F1), Harley_30 (F1), Hegedechwinu_31 (F1), Hlubikazi_30 (F1), IbOuu_31 (F1), Ibhubesi_30 (F1), Inventum_30 (F1), IrishSherpFalk_32 (F1), JalFarm20_32 (F1), James_30 (F1), Jinglebell_29 (F1), Job42_34 (F1), JoeyJr_30 (F1), Juice456_31 (F1), Juniper1_30 (F1), Karhdo_30 (F1), Kenuha5_27 (F1), Kersh_29 (F1), Kimberlium_32 (F1), KingMidas_31 (F1), Kingsley_28 (F1), KristaRAM_31 (F1), Latretium_31 (F1), Leozinho_31 (F1), LilSpotty_31 (singleton), LittleShirley_33 (F1), Llama_30 (F1), Llij_30 (F1), LordVader_26 (F), Lucia_31 (F1), LunaBlu_32 (F1), MadMen_27 (F1), Madiba_28 (F1), Mahavrat_30 (F1), Mandlovu_30 (F1), Mantra_30 (F1), Marker_31 (F1), Mattes_30 (F1), Medindi_31 (F1), Melissauren88_30 (F1), MilanaBonita_24 (F1), MilleniumForce_31 (F1), MinionDave_32 (F1), Minnie_32 (F1), Misha28_31 (F1), MisterCuddles_31 (F1), Modragons_30 (F1), Mova_31 (F1), Mozy_31 (F1), Ms6_24 (F1), MulchExplorer_32 (F1), Mutaforma13_30 (F1), Mwanjiwa_30 (F1), Nichirin_31 (F1), Nimbo_30 (F1), Nitzel_31 (F1), Ochi17_28 (F1), OfUltron_30 (F1), OgoPogo_30 (F1), Okabe_30 (F8), Oksu_31 (F1), OldBen_30 (F1), OlympiaSaint_30 (F1), Ovechkin_30 (F1), OwlsT2W_31 (F1), PHappiness_30 (F1), PMC_30 (F1), Peridot_35 (F1), Phanphagia_27 (F1), Phasih_31 (F1), Phatniss_31 (F1), Philus_30 (F1), PhilipPhlop_31 (F1), Piper2020_32 (F1), Pippy_24 (F1), Plumbus_32 (F1), Poenanya_30 (F1), Polka14_31 (F1), Pollywog_30 (F1), Polo2Bam_34 (F1), Priscilla_30 (F1), QuickMath_31 (F1), Quico_31 (F1), Radiance_30 (F1), Ramsey_32 (F1), Rialto_34 (F1), RitaG_31 (F1), Rita_31 (F1), Rockne_30 (F1), RockyHorror_31 (F1), Royals2015_30 (F1), Ruby_31 (F1), Saal_30 (F1), Sabbb_31 (F1), Sandalphon_31 (F1), Sarma624_26 (F1), Sassafras_30 (F1), Scottish_31 (F1), SeaLumen_33 (F1), Seabastian_30 (F1), Shauna1_27 (F1), ShroomBoi_27 (F1), SilverChicken_37 (F2), SimranZ1_33 (F1), Slim_32 (F1), Soul22_34 (F2), Sparkdehlily_30 (F1), Spartacus_32 (F1), Spikelee_32 (F1), Spoonbill_30 (F1), StAnnes_28 (F1), Stap_31 (F1), Starceвич_33 (F1), Strokeseat_30 (F1), SuperGrey_31 (F1), TDanisky_30 (F1), Taj_30 (F1), Tchotchke_30 (F1), ThetaBob_29 (F4), TootsiePop_31 (F1), Tootsieroll_31 (F1), Totinger_31 (F1), Tweety_30 (F1), UncleRicky_33 (F1), VRedHorse_30 (F1), Velveteen_26 (F1), Veteran_30 (F1), Violac_31 (F1), Wee_31 (F1), Whouxphf_31 (F1), WillSterrel_32 (F1), Zerg_30 (F1),

Start 74:

- Found in 19 of 727 (2.6%) of genes in pham
- Manual Annotations of this start: 16 of 627
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Auspice_35 (M1), Bongo_35 (M1), Bricole_35 (M1), Diminimus_36 (M1), Dulcita_36 (M1), FreakyGoo_36 (M1), Glaske16_36 (M1), IPhane7_35 (M1), Izel_36 (M1), KleverKiS_35 (M1), LilhomieP_34 (M1), Nanosmite_40 (M3), PegLeg_35 (M1), Reindeer_35 (M1), RoseMarie_37 (M1), Skinny_36 (M1), SlimJimmy_34 (M1), TpudiCK_36 (M1), TyDawg_35 (M1),

Start 75:

- Found in 20 of 727 (2.8%) of genes in pham
- Manual Annotations of this start: 19 of 627
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beelzebub_58 (S), Blackbeetle_54 (S), Caprice_51 (S), Clarkson_55 (S), Corazon_52 (S), FeliMaine_56 (S), Gattaca_53 (S), GoongGoong_53 (S), Huphlepuuff_56 (S), JoieB_55 (S), Lilbit_53 (S), LittleLaf_54 (S),

Marvin_51 (S), MosMoris_52 (S), Poise_54 (S), Pringar_54 (S), Raela_54 (S), RedRaider77_53 (S), Tesla_52 (S), VasuNzinga_54 (S),

Start 79:

- Found in 42 of 727 (5.8%) of genes in pham
- Manual Annotations of this start: 30 of 627
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ahwei_42 (B4), AlanGrant_45 (B4), Antihero_42 (B4), Apex_44 (B4), Austelle_44 (B4), BobbyK_44 (B4), BrownCNA_45 (B4), Causa_55 (A1), ChrisnMich_43 (B4), Cooper_44 (B4), Epah_42 (B4), Fanaw_42 (B4), Fortunato_44 (B4), Frederick_44 (B4), GinPorsche_43 (B4), Hally898_42 (B4), Hangman_43 (B4), Heath_42 (B4), Hydro_43 (B4), JAMaL_43 (B4), JaguarMi_43 (B4), JoyceMaria_43 (B4), Lambano_42 (B4), LittleDigger_42 (B4), Lolalove_44 (B4), Magpie_42 (B4), Mithril_43 (B4), Mudslide_43 (B4), Nanao_42 (B4), Nigel_42 (B4), Poster_42 (B4), Prince_43 (B4), QueenPie_42 (B4), RawrgerThat_44 (B4), Renkei_42 (B4), StAugustine_53 (A1), Stinger_42 (B4), Vincenzo_44 (B4), VioletZ_45 (B4), Waleliano_43 (B4), Xincheng_42 (B4), Zemanar_44 (B4),

Start 95:

- Found in 4 of 727 (0.6%) of genes in pham
- Manual Annotations of this start: 4 of 627
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BoostSeason_29 (K2), Doughnut_29 (K2), Mufasa_29 (K2), TM4_29 (K2),

Start 96:

- Found in 4 of 727 (0.6%) of genes in pham
- Manual Annotations of this start: 4 of 627
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CRB2_49 (B9), Quesadilla_49 (B9), Saguaro_49 (B7), Thonko_46 (B8),

Start 100:

- Found in 20 of 727 (2.8%) of genes in pham
- Manual Annotations of this start: 18 of 627
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CheesePuff_33 (F1), Demsculpinboyz_35 (F2), EleanorGeorge_30 (F1), Enby_31 (F1), Firehouse51_31 (F1), Jabbawokkie_38 (F2), JustASigh_25 (AH), Lorde_31 (F1), LunaStella_32 (F4), MooMoo_28 (singleton), MulchSalad_27 (F7), PenguinLover67_49 (B9), PopTart_30 (F1), SG4_30 (F1), SassyB_30 (F1), Seagreen_31 (F1), TChen_30 (F4), Toron_31 (F6), Whatsapiecost_31 (F1), Zapner_37 (F2),

Start 102:

- Found in 5 of 727 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 627
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Indlovu_45 (B11),

Start 108:

- Found in 3 of 727 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present

- Phage (with cluster) where this start called: YoyoKar_64 (O),

Start 110:

- Found in 56 of 727 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 627
- Called 1.8% of time when present
- Phage (with cluster) where this start called: Phaedrus_44 (B3),

Start 111:

- Found in 2 of 727 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Concombre_256 (C1), Demodog_258 (C1),

Start 112:

- Found in 218 of 727 (30.0%) of genes in pham
- Manual Annotations of this start: 181 of 627
- Called 99.1% of time when present
- Phage (with cluster) where this start called: Ablatia_250 (C1), Ading_253 (C1), Adlitam_250 (C1), Alice_236 (C1), Amataga_251 (C1), ArcherS7_251 (C1), Asterius_251 (C1), Astraea_246 (C1), Atlantean_250 (C1), Audrick_253 (C1), Ava3_247 (C1), Babyland_253 (C1), BackyardAgain_245 (C1), BadAgartude_244 (C1), BananaFence_248 (C1), Bangla1971_251 (C1), Basquiat_248 (C1), BeanWater_243 (C1), Belieber_244 (C1), Bezza_238 (C1), BigCity_258 (C1), Bigswole_255 (C1), Bipolarisk_248 (C1), Blackbrain_249 (C1), Blackdragon_245 (C1), Blubba_237 (C1), BobaPhatt_243 (C1), Bonray_253 (C1), Bowman_249 (C1), Bread_247 (C1), Breeniome_250 (C1), Burrough_251 (C1), Bxz1_236 (C1), Cactojaque_245 (C1), Cali_240 (C1), Cane17_239 (C1), Capablanca_255 (C1), Caravan_240 (C1), Catera_239 (C1), Chargie21_248 (C1), CharlieB_245 (C1), ChaylaJr_249 (C1), ChickenPhender_246 (C1), Chomp_249 (C1), CindyLou_251 (C1), Cleatunium_244 (C1), Colt_240 (C1), DTDevon_251 (C1), Daffodil_256 (C1), Dandelion_256 (C1), Darko_250 (C1), DeejaClivia_237 (C1), Delilah_248 (C1), Delylah_252 (C1), Derek_246 (C1), Dessert_247 (C1), Dietrick_239 (C1), DirtMonster_239 (C1), Domi_244 (C1), DrPhinkDaddy_247 (C1), Drazdys_247 (C1), Duckfeet_244 (C1), ET08_236 (C1), EasyJones_251 (C1), EggyFarm_258 (C1), EmToTheThree_251 (C1), EmmaElysia_255 (C1), Erdmann_252 (C1), ErnieJ_244 (C1), Essence_248 (C1), Ewok_249 (C1), Fixie_251 (C1), Flabslab_245 (C1), Fludd_250 (C1), Fongie_250 (C1), FoxtrotP1_249 (C1), FrayBell_253 (C1), FudgeTart_246 (C1), Gabriel_253 (C1), Gamgam_252 (C1), Ghost_250 (C1), Gizmo_256 (C1), GlutenPhree_251 (C1), Grasshills_257 (C1), Grungle_232 (C1), Guwapp_246 (C1), Halldule_242 (C1), HyRo_235 (C1), I3_260 (C1), IkeLoa_244 (C1), InigoMontoya_254 (C1), InterFolia_252 (C1), Iota_247 (C1), Issimir_244 (C1), Izajani_246 (C1), JPickles_248 (C1), Janiyra_254 (C1), JayJay_250 (C1), Jaygup_247 (C1), Jedediah_252 (C1), Jemmno_250 (C1), Jessibeth14_250 (C1), Jezreel_247 (C1), JigglyPuff_256 (C1), JulietS_239 (C1), JustHall_244 (C1), Kamryn_249 (C1), Kboogie_254 (C1), Khaleesi_249 (C1), Koguma_249 (C1), LRRHood_242 (C1), Labradorite_247 (C1), Latch_250 (C1), Lee7_251 (C1), Lethe_248 (C1), LifeSavor_251 (C1), LinStu_247 (C1), Littleton_254 (C1), Loanshark_247 (C1), LolaVinca_246 (C1), LookingGlass_248 (C1), LordLeafolot_251 (C1), Lukilu_239 (C1), Lunareta_247 (C1), Maby2021_251 (C1), Mangeria_250 (C1), Matsumoto_248 (C1), Maturis_244 (C1), McGee_252 (C1), McWolfish_247 (C1), Megamind_247 (C1), Melpomini_245 (C1), MikeLiesIn_251 (C1), Mikro_244 (C1),

MoMoMixon_246 (C1), Moby_247 (C1), Moiqah_246 (C1), Momo_252 (C1), Montpel_247 (C1), Morizzled23_248 (C1), Naija_251 (C1), Napoleon13_247 (C1), Nappy_249 (C1), Naval22_257 (C1), NedWong_249 (C1), Ngannou_245 (C1), Nidhogg_251 (C1), NoodleTree_246 (C1), Norm_250 (C1), NuevoMundo_252 (C1), OrediggerDelux_247 (C1), ParkTD_249 (C1), Patter_252 (C1), PharkleMinkus_254 (C1), Phlegm_255 (C1), Phox_251 (C1), Phusco_249 (C1), Pier_249 (C1), Pinkcreek_230 (C1), Pio_257 (C1), Pivoine_251 (C1), Pleione_254 (C1), Primadonna_246 (C1), Pupusa_253 (C1), PurduePete_251 (C1), QBert_242 (C1), Quasimodo_253 (C1), Rabinovish_243 (C1), Rahel_252 (C1), Rizal_239 (C1), RoMag_245 (C1), Rocha_246 (C1), Ronan_246 (C1), Roots515_253 (C1), SVoro_245 (C1), Salacia_252 (C1), Sauce_247 (C1), ScottMcG_242 (C1), Sebata_250 (C1), Shaqnato_241 (C1), Shelob_251 (C1), ShiaLabeouf_248 (C1), Shifa_226 (C1), Shnickers_249 (C1), Shrimp_253 (C1), SilverDipper_255 (C1), SmallFry_251 (C1), SoilZilla_243 (C1), Spec_244 (C1), Specks_255 (C1), Sprinklers_248 (C1), Spud_242 (C1), SrishMeg2525_248 (C1), StephanieG_244 (C1), StubbySaigey_257 (C1), Stubby_233 (C1), Substance289_246 (C1), Tainan_250 (C1), Teardrop_249 (C1), TinyTim_249 (C1), Tonenili_272 (C1), Tortoise16_248 (C1), Trinitium_247 (C1), Turret_241 (C1), Tyke_247 (C1), ValleyTerrace_251 (C1), Vortrix_268 (C1), Wally_248 (C1), Willis_251 (C1), Yassified_246 (C1), YemiJoy2021_251 (C1), YoungMoneyMata_250 (C1), Yucca_251 (C1), Zalkecks_249 (C1), Zeenon_251 (C1), ZygoTaiga_247 (C1),

Start 123:

- Found in 1 of 727 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 627
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nebkiss_34 (X),

Start 131:

- Found in 34 of 727 (4.7%) of genes in pham
- Manual Annotations of this start: 31 of 627
- Called 97.1% of time when present
- Phage (with cluster) where this start called: Alkhayr_66 (O), Ashwin_68 (O), Blessica_67 (O), Bora_64 (O), Catdawg_66 (O), Corndog_69 (O), Dylan_66 (O), Familton_67 (O), Firecracker_67 (O), FoulBall_66 (O), Idergollasper_66 (O), Imara_64 (O), JangDynasty_66 (O), KingPhillip3_66 (O), Krili_65 (O), MadKillah_67 (O), Mori_66 (O), Murai_67 (O), NiebruSaylor_65 (O), Ryadel_70 (O), SchoolBus_66 (O), Schuy_67 (O), Shida_66 (O), Smooch_69 (O), TelAviv_63 (O), Vagabond_66 (O), Vorrrps_66 (O), Wildflower_66 (O), Winget_67 (O), Wogge42_65 (O), YungJamal_71 (O), Zakhe101_65 (O), Zebo_66 (O),

Start 135:

- Found in 47 of 727 (6.5%) of genes in pham
- Manual Annotations of this start: 38 of 627
- Called 97.9% of time when present
- Phage (with cluster) where this start called: Beanstalk_34 (F1), Blarby_38 (F), Blexus_30 (F1), Burwell21_30 (F1), ByChance_30 (F1), Byougenkin_30 (F1), CaptainTrips_31 (F1), Chuckly_30 (F1), Clifton_24 (F1), Corium_30 (F1), DaddyRickover_30 (F1), DillTech15_30 (F1), Dorothy_30 (F1), Fastidio_32 (F1), IMpilo_29 (F1), Jant_31 (F1), Jarcob_30 (F1), Jennelsea_24 (F1), KingJulian_30 (F1), Koella_24 (F1), Krakatau_31 (F1), LastJedi_24 (F1), Leperchaun_30 (F1), LilMoolah_30 (F1), Lizziana_30 (F1), Maravista_30 (F1), Martik_30 (F1), Moonbeam_31 (F1), Nivrat_30 (F1), NormanBulbieJr_30 (F1), Pacc40_30 (F1),

PatoPoderoso_30 (F1), Phalconet_30 (F1), PhesterPhotato_30 (F1), RedBird_30 (F1), Renaud18_30 (F4), ShiLan_30 (F1), ShowerHandel_30 (F1), SiSi_30 (F1), SwagPigglett_30 (F1), Topiatin_33 (F1), Vivum_30 (F1), Wachhund_30 (F1), XFactor_30 (F1), Yorick_30 (F1), Zizzle_30 (F1),

Summary by clusters:

There are 30 clusters represented in this pham: singleton, M2, K2, M1, M3, B11, C1, F, AI, AH, O, S, L5, U, L1, X, F1, F2, F4, F5, F6, F7, F8, L4, B4, B7, B3, L2, B8, B9,

Info for manual annotations of cluster AH:

- Start number 100 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster AI:

- Start number 79 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster B11:

- Start number 102 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B3:

- Start number 34 was manually annotated 1 time for cluster B3.
- Start number 36 was manually annotated 1 time for cluster B3.
- Start number 45 was manually annotated 10 times for cluster B3.
- Start number 50 was manually annotated 15 times for cluster B3.
- Start number 60 was manually annotated 22 times for cluster B3.
- Start number 66 was manually annotated 1 time for cluster B3.
- Start number 110 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster B4:

- Start number 79 was manually annotated 28 times for cluster B4.

Info for manual annotations of cluster B7:

- Start number 96 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 96 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 96 was manually annotated 2 times for cluster B9.
- Start number 100 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster C1:

- Start number 112 was manually annotated 181 times for cluster C1.

Info for manual annotations of cluster F1:

- Start number 52 was manually annotated 1 time for cluster F1.
- Start number 68 was manually annotated 184 times for cluster F1.
- Start number 100 was manually annotated 10 times for cluster F1.
- Start number 135 was manually annotated 37 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 52 was manually annotated 1 time for cluster F2.

- Start number 68 was manually annotated 1 time for cluster F2.
- Start number 100 was manually annotated 3 times for cluster F2.

Info for manual annotations of cluster F4:

- Start number 68 was manually annotated 1 time for cluster F4.
- Start number 100 was manually annotated 2 times for cluster F4.
- Start number 135 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster F5:

- Start number 68 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster K2:

- Start number 95 was manually annotated 4 times for cluster K2.

Info for manual annotations of cluster L1:

- Start number 61 was manually annotated 19 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 61 was manually annotated 6 times for cluster L2.

Info for manual annotations of cluster L4:

- Start number 61 was manually annotated 5 times for cluster L4.
- Start number 64 was manually annotated 1 time for cluster L4.

Info for manual annotations of cluster L5:

- Start number 57 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 74 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 55 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 74 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster O:

- Start number 131 was manually annotated 31 times for cluster O.

Info for manual annotations of cluster S:

- Start number 75 was manually annotated 19 times for cluster S.

Info for manual annotations of cluster U:

- Start number 51 was manually annotated 3 times for cluster U.

Info for manual annotations of cluster X:

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

Gene Information:

Gene: Abinghost_46 Start: 40308, Stop: 41531, Start Num: 60

Candidate Starts for Abinghost_46:

(Start: 60 @40308 has 22 MA's), (Start: 66 @40329 has 1 MA's), (73, 40356), (76, 40371), (88, 40413), (Start: 110 @40464 has 1 MA's), (134, 40554), (141, 40569), (165, 40683), (194, 40785), (307, 40947), (318, 40992), (319, 40998), (320, 41001), (322, 41007), (328, 41037), (345, 41139), (361, 41196), (377, 41247), (384, 41283), (387, 41295), (395, 41328), (399, 41343), (453, 41493),

Gene: Ablatia_250 Start: 142372, Stop: 143802, Start Num: 112

Candidate Starts for Ablatia_250:

(Start: 112 @142372 has 181 MA's), (138, 142462), (152, 142525), (185, 142648), (192, 142672), (219, 142756), (230, 142798), (241, 142840), (265, 143005), (266, 143008), (318, 143263), (326, 143302), (332, 143332), (346, 143395), (351, 143416), (352, 143425), (354, 143428), (365, 143461), (371, 143476), (408, 143611), (431, 143686), (443, 143743), (444, 143746),

Gene: Acquire49_25 Start: 24375, Stop: 25547, Start Num: 61

Candidate Starts for Acquire49_25:

(54, 24345), (Start: 61 @24375 has 30 MA's), (194, 24822), (287, 24900), (296, 24945), (318, 25020), (328, 25065), (342, 25140), (345, 25167), (349, 25185), (361, 25221), (362, 25224), (379, 25284), (395, 25335), (399, 25350), (430, 25419), (436, 25443), (456, 25503),

Gene: Ading_253 Start: 144805, Stop: 146235, Start Num: 112

Candidate Starts for Ading_253:

(Start: 112 @144805 has 181 MA's), (138, 144895), (152, 144958), (185, 145081), (192, 145105), (219, 145189), (230, 145231), (241, 145273), (265, 145438), (266, 145441), (318, 145696), (326, 145735), (332, 145765), (346, 145828), (351, 145849), (352, 145858), (354, 145861), (365, 145894), (371, 145909), (408, 146044), (431, 146119), (443, 146176), (444, 146179),

Gene: Adlitam_250 Start: 142960, Stop: 144390, Start Num: 112

Candidate Starts for Adlitam_250:

(Start: 112 @142960 has 181 MA's), (138, 143050), (152, 143113), (185, 143236), (192, 143260), (219, 143344), (230, 143386), (241, 143428), (265, 143593), (266, 143596), (318, 143851), (326, 143890), (332, 143920), (346, 143983), (351, 144004), (352, 144013), (354, 144016), (365, 144049), (371, 144064), (408, 144199), (431, 144274), (443, 144331), (444, 144334),

Gene: Aegeus_28 Start: 24440, Stop: 25621, Start Num: 57

Candidate Starts for Aegeus_28:

(Start: 57 @24440 has 2 MA's), (80, 24524), (89, 24557), (101, 24587), (141, 24701), (145, 24725), (178, 24854), (194, 24881), (275, 24914), (296, 25004), (311, 25082), (322, 25118), (323, 25121), (347, 25262), (349, 25268), (377, 25358), (399, 25433), (430, 25511), (436, 25535),

Gene: Ahwei_42 Start: 39523, Stop: 41259, Start Num: 79

Candidate Starts for Ahwei_42:

(Start: 79 @39523 has 30 MA's), (109, 39598), (115, 39616), (120, 39637), (125, 39652), (143, 39724), (165, 39817), (185, 39889), (192, 39913), (215, 40000), (217, 40015), (254, 40198), (265, 40279), (276, 40360), (280, 40384), (281, 40387), (292, 40429), (319, 40540), (322, 40549), (324, 40558), (339, 40654), (346, 40693), (367, 40762), (377, 40786), (383, 40813), (390, 40843), (414, 40921), (420, 40945), (425, 40963), (426, 40966), (433, 40990), (441, 41035), (466, 41119),

Gene: Akhila_24 Start: 22445, Stop: 23599, Start Num: 68

Candidate Starts for Akhila_24:

(460, 27505),

Gene: Ashwin_68 Start: 42681, Stop: 43901, Start Num: 131

Candidate Starts for Ashwin_68:

(Start: 131 @42681 has 31 MA's), (144, 42717), (156, 42768), (157, 42774), (158, 42777), (199, 42924), (218, 42978), (240, 43071), (248, 43119), (262, 43227), (266, 43248), (322, 43536), (346, 43653), (353, 43686), (359, 43698), (373, 43749), (380, 43773), (396, 43833), (411, 43878),

Gene: Asterius_251 Start: 142817, Stop: 144247, Start Num: 112

Candidate Starts for Asterius_251:

(Start: 112 @142817 has 181 MA's), (138, 142907), (152, 142970), (185, 143093), (192, 143117), (219, 143201), (230, 143243), (241, 143285), (265, 143450), (266, 143453), (318, 143708), (326, 143747), (332, 143777), (346, 143840), (351, 143861), (352, 143870), (354, 143873), (365, 143906), (371, 143921), (408, 144056), (431, 144131), (444, 144191),

Gene: Astraea_246 Start: 142012, Stop: 143442, Start Num: 112

Candidate Starts for Astraea_246:

(Start: 112 @142012 has 181 MA's), (138, 142102), (152, 142165), (185, 142288), (192, 142312), (219, 142396), (230, 142438), (241, 142480), (265, 142645), (266, 142648), (318, 142903), (326, 142942), (332, 142972), (346, 143035), (351, 143056), (352, 143065), (354, 143068), (365, 143101), (371, 143116), (408, 143251), (431, 143326), (443, 143383), (444, 143386),

Gene: Athena_47 Start: 41006, Stop: 42283, Start Num: 45

Candidate Starts for Athena_47:

(41, 40988), (Start: 45 @41006 has 10 MA's), (47, 41009), (Start: 50 @41018 has 15 MA's), (Start: 60 @41060 has 22 MA's), (Start: 66 @41081 has 1 MA's), (73, 41108), (76, 41123), (88, 41165), (Start: 110 @41216 has 1 MA's), (134, 41306), (141, 41321), (165, 41435), (194, 41537), (307, 41699), (318, 41744), (319, 41750), (320, 41753), (322, 41759), (328, 41789), (345, 41891), (361, 41948), (377, 41999), (384, 42035), (387, 42047), (395, 42080), (399, 42095), (453, 42245),

Gene: Atlantean_250 Start: 141959, Stop: 143389, Start Num: 112

Candidate Starts for Atlantean_250:

(Start: 112 @141959 has 181 MA's), (138, 142049), (152, 142112), (185, 142235), (192, 142259), (219, 142343), (230, 142385), (241, 142427), (265, 142592), (266, 142595), (318, 142850), (326, 142889), (332, 142919), (346, 142982), (351, 143003), (352, 143012), (354, 143015), (365, 143048), (371, 143063), (408, 143198), (431, 143273), (443, 143330), (444, 143333),

Gene: Aubs_30 Start: 26472, Stop: 27662, Start Num: 68

Candidate Starts for Aubs_30:

(14, 26199), (17, 26202), (Start: 68 @26472 has 188 MA's), (91, 26556), (141, 26706), (151, 26760), (187, 26901), (287, 26982), (318, 27108), (319, 27114), (328, 27153), (338, 27213), (342, 27228), (349, 27270), (361, 27306), (362, 27309), (363, 27324), (377, 27360), (379, 27369), (418, 27483),

Gene: Audrey_46 Start: 40308, Stop: 41531, Start Num: 60

Candidate Starts for Audrey_46:

(Start: 60 @40308 has 22 MA's), (Start: 66 @40329 has 1 MA's), (73, 40356), (76, 40371), (88, 40413), (Start: 110 @40464 has 1 MA's), (134, 40554), (141, 40569), (165, 40683), (194, 40785), (307, 40947), (318, 40992), (319, 40998), (320, 41001), (322, 41007), (328, 41037), (345, 41139), (361, 41196), (377, 41247), (384, 41283), (387, 41295), (395, 41328), (399, 41343), (453, 41493),

Gene: Audrick_253 Start: 141849, Stop: 143279, Start Num: 112

Candidate Starts for Audrick_253:

(485, 31132),

Gene: Brocalys_25 Start: 22152, Stop: 23312, Start Num: 68

Candidate Starts for Brocalys_25:

(18, 21882), (Start: 68 @22152 has 188 MA's), (91, 22236), (141, 22386), (151, 22440), (174, 22533), (183, 22563), (187, 22584), (287, 22662), (318, 22788), (319, 22794), (342, 22908), (349, 22950), (358, 22983), (362, 22989), (379, 23049),

Gene: Bromden_27 Start: 24744, Stop: 25913, Start Num: 61

Candidate Starts for Bromden_27:

(Start: 61 @24744 has 30 MA's), (Start: 64 @24753 has 1 MA's), (107, 24888), (129, 24954), (134, 24984), (165, 25116), (193, 25185), (287, 25266), (318, 25386), (345, 25533), (349, 25551), (361, 25587), (379, 25650), (399, 25716), (429, 25782), (430, 25785),

Gene: Brookers_28 Start: 25304, Stop: 26458, Start Num: 68

Candidate Starts for Brookers_28:

(14, 25031), (21, 25052), (Start: 68 @25304 has 188 MA's), (91, 25388), (141, 25538), (151, 25592), (187, 25733), (287, 25814), (318, 25940), (319, 25946), (328, 25985), (338, 26045), (342, 26060), (349, 26102), (361, 26138), (362, 26141), (377, 26192), (379, 26201), (418, 26315), (452, 26426), (460, 26447),

Gene: BrownCNA_45 Start: 40845, Stop: 42581, Start Num: 79

Candidate Starts for BrownCNA_45:

(Start: 79 @40845 has 30 MA's), (109, 40920), (115, 40938), (120, 40959), (125, 40974), (143, 41046), (165, 41139), (185, 41211), (192, 41235), (215, 41322), (217, 41337), (255, 41526), (265, 41601), (276, 41682), (280, 41706), (281, 41709), (292, 41751), (319, 41862), (322, 41871), (324, 41880), (339, 41976), (346, 42015), (367, 42084), (377, 42108), (383, 42135), (390, 42165), (412, 42240), (414, 42243), (420, 42267), (425, 42285), (426, 42288), (441, 42357), (466, 42441),

Gene: Brushbloom_31 Start: 26379, Stop: 27533, Start Num: 68

Candidate Starts for Brushbloom_31:

(14, 26106), (21, 26127), (Start: 68 @26379 has 188 MA's), (91, 26463), (141, 26613), (151, 26667), (187, 26808), (287, 26889), (318, 27015), (319, 27021), (328, 27060), (338, 27120), (342, 27135), (349, 27177), (361, 27213), (362, 27216), (377, 27267), (379, 27276), (418, 27390), (452, 27501), (460, 27522),

Gene: Bubbles123_32 Start: 27209, Stop: 28501, Start Num: 68

Candidate Starts for Bubbles123_32:

(Start: 68 @27209 has 188 MA's), (104, 27329), (154, 27518), (155, 27521), (178, 27599), (200, 27680), (272, 27722), (286, 27800), (318, 27926), (319, 27932), (328, 27971), (338, 28031), (342, 28046), (347, 28082), (349, 28088), (361, 28124), (363, 28142), (377, 28178), (379, 28187), (418, 28301), (452, 28412),

Gene: Burrough_251 Start: 143832, Stop: 145262, Start Num: 112

Candidate Starts for Burrough_251:

(Start: 112 @143832 has 181 MA's), (138, 143922), (152, 143985), (185, 144108), (192, 144132), (219, 144216), (230, 144258), (241, 144300), (265, 144465), (266, 144468), (318, 144723), (326, 144762), (332, 144792), (346, 144855), (351, 144876), (352, 144885), (354, 144888), (365, 144921), (371, 144936), (408, 145071), (431, 145146), (443, 145203), (444, 145206),

Gene: Burwell21_30 Start: 26501, Stop: 27697, Start Num: 135

Candidate Starts for Burwell21_30:

Candidate Starts for Chargie21_248:

(Start: 112 @140927 has 181 MA's), (138, 141017), (152, 141080), (185, 141203), (192, 141227), (219, 141311), (230, 141353), (241, 141395), (265, 141560), (266, 141563), (318, 141818), (326, 141857), (332, 141887), (346, 141950), (351, 141971), (352, 141980), (354, 141983), (365, 142016), (371, 142031), (408, 142166), (431, 142241), (443, 142298), (444, 142301),

Gene: CharlieB_245 Start: 142195, Stop: 143625, Start Num: 112

Candidate Starts for CharlieB_245:

(Start: 112 @142195 has 181 MA's), (138, 142285), (152, 142348), (185, 142471), (192, 142495), (219, 142579), (230, 142621), (241, 142663), (265, 142828), (266, 142831), (318, 143086), (326, 143125), (332, 143155), (346, 143218), (351, 143239), (352, 143248), (354, 143251), (365, 143284), (371, 143299), (408, 143434), (431, 143509), (444, 143569),

Gene: Chaser_25 Start: 24155, Stop: 25327, Start Num: 61

Candidate Starts for Chaser_25:

(Start: 61 @24155 has 30 MA's), (Start: 64 @24164 has 1 MA's), (165, 24530), (193, 24599), (287, 24680), (318, 24800), (349, 24965), (361, 25001), (379, 25064), (399, 25130), (429, 25196), (430, 25199),

Gene: ChaylaJr_249 Start: 141869, Stop: 143299, Start Num: 112

Candidate Starts for ChaylaJr_249:

(Start: 112 @141869 has 181 MA's), (138, 141959), (152, 142022), (185, 142145), (192, 142169), (219, 142253), (230, 142295), (241, 142337), (265, 142502), (266, 142505), (318, 142760), (326, 142799), (332, 142829), (346, 142892), (351, 142913), (352, 142922), (354, 142925), (365, 142958), (371, 142973), (408, 143108), (431, 143183), (443, 143240), (444, 143243),

Gene: Che8_32 Start: 26683, Stop: 27957, Start Num: 68

Candidate Starts for Che8_32:

(Start: 68 @26683 has 188 MA's), (104, 26803), (128, 26875), (154, 26992), (155, 26995), (178, 27073), (200, 27154), (272, 27196), (286, 27274), (318, 27400), (319, 27406), (328, 27445), (342, 27520), (349, 27562), (361, 27598), (363, 27616), (377, 27652), (379, 27661), (418, 27775), (432, 27817), (434, 27826), (451, 27883), (452, 27886),

Gene: Cheesepuff_33 Start: 27483, Stop: 28778, Start Num: 100

Candidate Starts for Cheesepuff_33:

(Start: 100 @27483 has 18 MA's), (142, 27603), (196, 27792), (198, 27795), (227, 27897), (239, 27954), (248, 28008), (256, 28071), (266, 28134), (267, 28137), (280, 28242), (301, 28326), (322, 28422), (346, 28539), (353, 28572), (359, 28584), (389, 28689), (398, 28722),

Gene: Chentzyk_46 Start: 40673, Stop: 41896, Start Num: 60

Candidate Starts for Chentzyk_46:

(Start: 34 @40559 has 1 MA's), (35, 40562), (Start: 60 @40673 has 22 MA's), (Start: 66 @40694 has 1 MA's), (73, 40721), (76, 40736), (88, 40778), (Start: 110 @40829 has 1 MA's), (134, 40919), (141, 40934), (165, 41048), (194, 41150), (307, 41312), (318, 41357), (319, 41363), (320, 41366), (322, 41372), (328, 41402), (345, 41504), (361, 41561), (377, 41612), (384, 41648), (387, 41660), (395, 41693), (399, 41708), (453, 41858),

Gene: Chevrolet_30 Start: 26308, Stop: 27474, Start Num: 68

Candidate Starts for Chevrolet_30:

(Start: 68 @26308 has 188 MA's), (91, 26392), (141, 26542), (151, 26596), (187, 26737), (287, 26818), (318, 26944), (319, 26950), (328, 26989), (342, 27064), (349, 27106), (361, 27142), (362, 27145), (377, 27196), (379, 27205), (418, 27319),

Gene: Clank_28 Start: 25674, Stop: 26948, Start Num: 68

Candidate Starts for Clank_28:

(Start: 68 @25674 has 188 MA's), (104, 25794), (154, 25983), (155, 25986), (178, 26064), (200, 26145), (272, 26187), (286, 26265), (318, 26391), (319, 26397), (328, 26436), (338, 26496), (342, 26511), (347, 26547), (349, 26553), (361, 26589), (363, 26607), (377, 26643), (379, 26652), (418, 26766), (432, 26808), (434, 26817), (451, 26874), (452, 26877),

Gene: Clarkson_55 Start: 30703, Stop: 32082, Start Num: 75

Candidate Starts for Clarkson_55:

(Start: 75 @30703 has 19 MA's), (103, 30760), (117, 30796), (122, 30820), (127, 30832), (161, 30955), (169, 30997), (190, 31069), (195, 31093), (199, 31099), (221, 31180), (242, 31249), (244, 31252), (248, 31288), (251, 31324), (262, 31396), (265, 31414), (266, 31417), (284, 31534), (291, 31564), (322, 31696), (325, 31717), (332, 31750), (345, 31804), (346, 31810), (380, 31930), (388, 31960), (394, 31981), (403, 32011),

Gene: Cleatunium_244 Start: 142331, Stop: 143761, Start Num: 112

Candidate Starts for Cleatunium_244:

(Start: 112 @142331 has 181 MA's), (138, 142421), (152, 142484), (185, 142607), (192, 142631), (219, 142715), (230, 142757), (241, 142799), (265, 142964), (266, 142967), (318, 143222), (326, 143261), (332, 143291), (346, 143354), (351, 143375), (352, 143384), (354, 143387), (365, 143420), (371, 143435), (408, 143570), (431, 143645), (444, 143705),

Gene: Clifton_24 Start: 22465, Stop: 23661, Start Num: 135

Candidate Starts for Clifton_24:

(44, 22195), (Start: 135 @22465 has 38 MA's), (156, 22549), (199, 22699), (218, 22753), (240, 22846), (248, 22894), (262, 23005), (266, 23026), (322, 23308), (325, 23329), (346, 23425), (359, 23470), (373, 23515), (380, 23539), (396, 23599),

Gene: Coco12_29 Start: 25845, Stop: 27582, Start Num: 68

Candidate Starts for Coco12_29:

(14, 25572), (21, 25593), (Start: 68 @25845 has 188 MA's), (91, 25929), (141, 26079), (151, 26133), (187, 26274), (195, 26307), (207, 26355), (210, 26454), (269, 26847), (302, 27000), (321, 27078), (334, 27141), (341, 27180), (376, 27312), (381, 27333), (393, 27369),

Gene: Colt_240 Start: 145032, Stop: 146462, Start Num: 112

Candidate Starts for Colt_240:

(Start: 112 @145032 has 181 MA's), (138, 145122), (152, 145185), (185, 145308), (192, 145332), (219, 145416), (230, 145458), (241, 145500), (265, 145665), (266, 145668), (318, 145923), (326, 145962), (332, 145992), (346, 146055), (351, 146076), (352, 146085), (354, 146088), (365, 146121), (371, 146136), (408, 146271), (431, 146346), (444, 146406),

Gene: Compostia_47 Start: 40686, Stop: 41963, Start Num: 45

Candidate Starts for Compostia_47:

(41, 40668), (Start: 45 @40686 has 10 MA's), (47, 40689), (Start: 50 @40698 has 15 MA's), (Start: 60 @40740 has 22 MA's), (Start: 66 @40761 has 1 MA's), (73, 40788), (76, 40803), (88, 40845), (Start: 110 @40896 has 1 MA's), (134, 40986), (141, 41001), (165, 41115), (194, 41217), (307, 41379), (318, 41424), (319, 41430), (320, 41433), (322, 41439), (328, 41469), (345, 41571), (361, 41628), (377, 41679), (384, 41715), (387, 41727), (395, 41760), (399, 41775), (453, 41925),

Gene: Concombres_256 Start: 144663, Stop: 146096, Start Num: 111

Candidate Starts for Concombres_256:

Gene: Crumble_24 Start: 22512, Stop: 23705, Start Num: 68

Candidate Starts for Crumble_24:

(18, 22242), (Start: 68 @22512 has 188 MA's), (91, 22596), (141, 22746), (151, 22800), (174, 22893), (183, 22923), (187, 22944), (287, 23022), (318, 23148), (319, 23154), (320, 23157), (342, 23268), (349, 23310), (361, 23346), (362, 23349), (377, 23400), (379, 23409), (418, 23523), (432, 23565), (434, 23574), (451, 23631), (452, 23634),

Gene: DLane_30 Start: 26332, Stop: 27486, Start Num: 68

Candidate Starts for DLane_30:

(14, 26059), (17, 26062), (21, 26080), (Start: 68 @26332 has 188 MA's), (91, 26416), (141, 26566), (151, 26620), (187, 26761), (287, 26842), (318, 26968), (319, 26974), (328, 27013), (338, 27073), (342, 27088), (349, 27130), (361, 27166), (362, 27169), (377, 27220), (379, 27229), (418, 27343), (452, 27454), (460, 27475),

Gene: DRBy19_30 Start: 26346, Stop: 27617, Start Num: 68

Candidate Starts for DRBy19_30:

(Start: 68 @26346 has 188 MA's), (104, 26463), (128, 26535), (154, 26652), (155, 26655), (178, 26733), (200, 26814), (272, 26856), (286, 26934), (318, 27060), (338, 27165), (342, 27180), (349, 27222), (361, 27258), (362, 27261), (377, 27312), (379, 27321), (418, 27435), (432, 27477), (434, 27486), (451, 27543), (452, 27546),

Gene: DTDevon_251 Start: 144700, Stop: 146130, Start Num: 112

Candidate Starts for DTDevon_251:

(Start: 112 @144700 has 181 MA's), (138, 144790), (152, 144853), (185, 144976), (192, 145000), (219, 145084), (230, 145126), (241, 145168), (265, 145333), (266, 145336), (318, 145591), (326, 145630), (332, 145660), (346, 145723), (351, 145744), (352, 145753), (354, 145756), (365, 145789), (371, 145804), (408, 145939), (431, 146014), (443, 146071), (444, 146074),

Gene: DaWorst_32 Start: 26862, Stop: 28055, Start Num: 68

Candidate Starts for DaWorst_32:

(15, 26589), (22, 26610), (Start: 68 @26862 has 188 MA's), (91, 26946), (141, 27096), (151, 27150), (187, 27291), (287, 27372), (318, 27498), (319, 27504), (320, 27507), (328, 27543), (342, 27618), (349, 27660), (361, 27696), (379, 27759), (418, 27873), (432, 27915), (434, 27924), (451, 27981), (452, 27984),

Gene: DaddyRickover_30 Start: 26502, Stop: 27698, Start Num: 135

Candidate Starts for DaddyRickover_30:

(42, 26229), (43, 26232), (Start: 135 @26502 has 38 MA's), (156, 26586), (199, 26736), (218, 26790), (240, 26883), (248, 26931), (262, 27042), (266, 27063), (322, 27345), (325, 27366), (346, 27462), (359, 27507), (373, 27552), (380, 27576), (396, 27636),

Gene: Daenerys_30 Start: 26326, Stop: 27519, Start Num: 68

Candidate Starts for Daenerys_30:

(Start: 68 @26326 has 188 MA's), (91, 26410), (141, 26560), (151, 26614), (187, 26755), (287, 26836), (318, 26962), (319, 26968), (320, 26971), (342, 27082), (349, 27124), (361, 27160), (377, 27214), (379, 27223), (418, 27337), (432, 27379), (434, 27388), (451, 27445), (452, 27448),

Gene: Daffodil_256 Start: 142987, Stop: 144417, Start Num: 112

Candidate Starts for Daffodil_256:

(Start: 112 @142987 has 181 MA's), (138, 143077), (152, 143140), (185, 143263), (192, 143287), (219, 143371), (230, 143413), (241, 143455), (265, 143620), (266, 143623), (318, 143878), (326, 143917), (332, 143947), (346, 144010), (351, 144031), (352, 144040), (354, 144043), (365, 144076),

Candidate Starts for DoRead_31:

(Start: 68 @26477 has 188 MA's), (104, 26597), (128, 26669), (154, 26786), (155, 26789), (178, 26867), (200, 26948), (272, 26990), (286, 27068), (318, 27194), (319, 27200), (320, 27203), (328, 27239), (342, 27314), (349, 27356), (361, 27392), (362, 27395), (377, 27446), (379, 27455), (418, 27569), (432, 27611), (434, 27620), (451, 27677), (452, 27680),

Gene: DocMcStuffins_32 Start: 26938, Stop: 28140, Start Num: 68

Candidate Starts for DocMcStuffins_32:

(Start: 68 @26938 has 188 MA's), (91, 27022), (141, 27172), (151, 27226), (187, 27367), (287, 27448), (318, 27574), (319, 27580), (320, 27583), (328, 27619), (342, 27694), (349, 27736), (361, 27772), (377, 27826), (379, 27835), (399, 27901), (418, 27958), (432, 28000), (434, 28009), (447, 28051), (451, 28066), (452, 28069),

Gene: Domi_244 Start: 142540, Stop: 143970, Start Num: 112

Candidate Starts for Domi_244:

(Start: 112 @142540 has 181 MA's), (138, 142630), (139, 142633), (152, 142693), (185, 142816), (192, 142840), (219, 142924), (230, 142966), (241, 143008), (265, 143173), (266, 143176), (318, 143431), (326, 143470), (332, 143500), (346, 143563), (351, 143584), (352, 143593), (354, 143596), (365, 143629), (371, 143644), (408, 143779), (431, 143854), (443, 143911), (444, 143914),

Gene: Donkeykong_30 Start: 26497, Stop: 27708, Start Num: 68

Candidate Starts for Donkeykong_30:

(Start: 68 @26497 has 188 MA's), (91, 26581), (141, 26731), (151, 26785), (174, 26878), (187, 26926), (287, 27007), (318, 27133), (319, 27139), (328, 27178), (338, 27238), (342, 27253), (349, 27295), (361, 27331), (362, 27334), (363, 27349), (377, 27385), (379, 27394), (418, 27508), (452, 27619),

Gene: Doomphist_30 Start: 26448, Stop: 27641, Start Num: 68

Candidate Starts for Doomphist_30:

(Start: 68 @26448 has 188 MA's), (91, 26532), (141, 26682), (151, 26736), (187, 26877), (287, 26958), (318, 27084), (319, 27090), (320, 27093), (342, 27204), (349, 27246), (361, 27282), (377, 27336), (379, 27345), (418, 27459), (432, 27501), (434, 27510), (451, 27567), (452, 27570),

Gene: Doomslug_33 Start: 26203, Stop: 27357, Start Num: 68

Candidate Starts for Doomslug_33:

(14, 25930), (21, 25951), (Start: 68 @26203 has 188 MA's), (91, 26287), (141, 26437), (151, 26491), (187, 26632), (287, 26713), (318, 26839), (319, 26845), (328, 26884), (338, 26944), (342, 26959), (349, 27001), (361, 27037), (362, 27040), (377, 27091), (379, 27100), (418, 27214), (452, 27325), (460, 27346),

Gene: Dorothy_30 Start: 26287, Stop: 27483, Start Num: 135

Candidate Starts for Dorothy_30:

(42, 26014), (43, 26017), (Start: 135 @26287 has 38 MA's), (156, 26371), (199, 26521), (218, 26575), (240, 26668), (248, 26716), (262, 26827), (266, 26848), (322, 27130), (325, 27151), (346, 27247), (359, 27292), (373, 27337), (380, 27361), (396, 27421),

Gene: DosHalletts_32 Start: 26602, Stop: 27903, Start Num: 68

Candidate Starts for DosHalletts_32:

(Start: 68 @26602 has 188 MA's), (104, 26722), (128, 26794), (154, 26911), (155, 26914), (178, 26992), (200, 27073), (272, 27124), (307, 27301), (318, 27343), (320, 27352), (345, 27490), (418, 27721), (432, 27763), (434, 27772), (451, 27829), (452, 27832),

Gene: DotProduct_30 Start: 26315, Stop: 27508, Start Num: 68

Candidate Starts for DotProduct_30:

(Start: 68 @26315 has 188 MA's), (91, 26399), (141, 26549), (151, 26603), (174, 26696), (187, 26744), (287, 26825), (318, 26951), (319, 26957), (320, 26960), (328, 26996), (342, 27071), (349, 27113), (361, 27149), (362, 27152), (363, 27167), (377, 27203), (379, 27212), (418, 27326), (432, 27368), (434, 27377), (451, 27434), (452, 27437),

Gene: Doug_31 Start: 26879, Stop: 28087, Start Num: 68

Candidate Starts for Doug_31:

(14, 26606), (17, 26609), (Start: 68 @26879 has 188 MA's), (91, 26963), (141, 27113), (151, 27167), (187, 27308), (287, 27386), (318, 27512), (319, 27518), (328, 27557), (338, 27617), (342, 27632), (349, 27674), (361, 27710), (362, 27713), (377, 27764), (379, 27773), (418, 27887), (452, 27998),

Gene: Douge_25 Start: 24093, Stop: 25265, Start Num: 61

Candidate Starts for Douge_25:

(Start: 61 @24093 has 30 MA's), (Start: 64 @24102 has 1 MA's), (165, 24468), (193, 24537), (287, 24618), (318, 24738), (345, 24885), (349, 24903), (361, 24939), (379, 25002), (399, 25068), (429, 25134), (430, 25137),

Gene: Doughnut_29 Start: 23220, Stop: 24878, Start Num: 95

Candidate Starts for Doughnut_29:

(Start: 95 @23220 has 4 MA's), (118, 23271), (119, 23274), (127, 23310), (138, 23346), (188, 23547), (197, 23577), (235, 23715), (249, 23787), (251, 23802), (261, 23868), (266, 23889), (280, 23991), (323, 24162), (330, 24198), (332, 24213), (346, 24276), (366, 24345), (377, 24378), (448, 24633), (481, 24783), (488, 24846),

Gene: Douzhi_25 Start: 24174, Stop: 25346, Start Num: 61

Candidate Starts for Douzhi_25:

(Start: 61 @24174 has 30 MA's), (Start: 64 @24183 has 1 MA's), (165, 24549), (193, 24618), (287, 24699), (318, 24819), (345, 24966), (349, 24984), (361, 25020), (379, 25083), (399, 25149), (429, 25215), (430, 25218),

Gene: DrPhinkDaddy_247 Start: 143765, Stop: 145195, Start Num: 112

Candidate Starts for DrPhinkDaddy_247:

(Start: 112 @143765 has 181 MA's), (138, 143855), (152, 143918), (185, 144041), (192, 144065), (219, 144149), (230, 144191), (241, 144233), (265, 144398), (266, 144401), (318, 144656), (326, 144695), (332, 144725), (346, 144788), (351, 144809), (352, 144818), (354, 144821), (365, 144854), (371, 144869), (408, 145004), (431, 145079), (443, 145136), (444, 145139),

Gene: Drago_31 Start: 26142, Stop: 27335, Start Num: 68

Candidate Starts for Drago_31:

(Start: 68 @26142 has 188 MA's), (91, 26226), (141, 26376), (151, 26430), (187, 26571), (287, 26652), (318, 26778), (319, 26784), (342, 26898), (349, 26940), (361, 26976), (363, 26994), (377, 27030), (379, 27039), (418, 27153), (432, 27195), (434, 27204), (451, 27261), (452, 27264),

Gene: Drazdys_247 Start: 143345, Stop: 144775, Start Num: 112

Candidate Starts for Drazdys_247:

(Start: 112 @143345 has 181 MA's), (138, 143435), (152, 143498), (185, 143621), (192, 143645), (219, 143729), (230, 143771), (241, 143813), (265, 143978), (266, 143981), (318, 144236), (326, 144275), (332, 144305), (346, 144368), (351, 144389), (352, 144398), (354, 144401), (365, 144434), (371, 144449), (408, 144584), (431, 144659), (443, 144716), (444, 144719),

Gene: Duckfeet_244 Start: 142142, Stop: 143572, Start Num: 112

Candidate Starts for Duckfeet_244:

26490), (328, 26526), (342, 26601), (349, 26643), (361, 26679), (377, 26733), (379, 26742), (418, 26856), (432, 26898), (434, 26907), (451, 26964), (452, 26967),

Gene: Estes_41 Start: 31074, Stop: 32489, Start Num: 55

Candidate Starts for Estes_41:

(Start: 55 @31074 has 6 MA's), (69, 31128), (71, 31134), (78, 31164), (89, 31200), (148, 31401), (160, 31431), (163, 31449), (180, 31500), (182, 31515), (295, 31704), (304, 31731), (307, 31746), (328, 31821), (335, 31854), (343, 31905), (360, 31983), (410, 32160), (416, 32184), (418, 32187), (445, 32280), (451, 32301), (475, 32394), (484, 32457),

Gene: Ewok_249 Start: 143015, Stop: 144445, Start Num: 112

Candidate Starts for Ewok_249:

(Start: 112 @143015 has 181 MA's), (138, 143105), (152, 143168), (185, 143291), (192, 143315), (219, 143399), (230, 143441), (241, 143483), (265, 143648), (266, 143651), (318, 143906), (326, 143945), (332, 143975), (346, 144038), (351, 144059), (352, 144068), (354, 144071), (365, 144104), (371, 144119), (408, 144254), (431, 144329), (443, 144386), (444, 144389),

Gene: Familton_67 Start: 42203, Stop: 43423, Start Num: 131

Candidate Starts for Familton_67:

(82, 42050), (83, 42053), (87, 42065), (106, 42119), (108, 42122), (Start: 131 @42203 has 31 MA's), (144, 42239), (156, 42290), (157, 42296), (199, 42446), (218, 42500), (240, 42593), (248, 42641), (262, 42749), (266, 42770), (322, 43058), (346, 43175), (353, 43208), (359, 43220), (373, 43271), (380, 43295), (396, 43355), (411, 43400),

Gene: Fanaw_42 Start: 40220, Stop: 41956, Start Num: 79

Candidate Starts for Fanaw_42:

(Start: 79 @40220 has 30 MA's), (91, 40265), (109, 40295), (115, 40313), (120, 40334), (125, 40349), (143, 40421), (165, 40514), (185, 40586), (192, 40610), (215, 40697), (217, 40712), (255, 40901), (265, 40976), (276, 41057), (280, 41081), (281, 41084), (319, 41237), (322, 41246), (324, 41255), (339, 41351), (346, 41390), (367, 41459), (377, 41483), (383, 41510), (390, 41540), (414, 41618), (420, 41642), (425, 41660), (426, 41663), (433, 41687), (441, 41732), (466, 41816),

Gene: Fancypants_30 Start: 26335, Stop: 27528, Start Num: 68

Candidate Starts for Fancypants_30:

(21, 26083), (Start: 68 @26335 has 188 MA's), (91, 26419), (141, 26569), (151, 26623), (187, 26764), (287, 26845), (318, 26971), (319, 26977), (328, 27016), (333, 27046), (342, 27091), (349, 27133), (361, 27169), (362, 27172), (377, 27223), (379, 27232), (418, 27346), (432, 27388), (434, 27397), (451, 27454), (452, 27457),

Gene: FarmResident_25 Start: 24137, Stop: 25309, Start Num: 61

Candidate Starts for FarmResident_25:

(Start: 61 @24137 has 30 MA's), (Start: 64 @24146 has 1 MA's), (165, 24512), (193, 24581), (287, 24662), (318, 24782), (345, 24929), (349, 24947), (361, 24983), (379, 25046), (399, 25112), (429, 25178), (430, 25181),

Gene: Fastidio_32 Start: 26640, Stop: 27836, Start Num: 135

Candidate Starts for Fastidio_32:

(Start: 135 @26640 has 38 MA's), (156, 26724), (199, 26874), (218, 26928), (240, 27021), (248, 27069), (262, 27180), (266, 27201), (322, 27483), (325, 27504), (346, 27600), (359, 27645), (373, 27690), (380, 27714), (396, 27774),

Gene: FeliMaine_56 Start: 30945, Stop: 32324, Start Num: 75

Candidate Starts for FeliMaine_56:

Gene: FreakyGoo_36 Start: 29799, Stop: 31166, Start Num: 74

Candidate Starts for FreakyGoo_36:

(Start: 74 @29799 has 16 MA's), (89, 29856), (98, 29883), (114, 29922), (148, 30060), (153, 30084), (173, 30162), (176, 30168), (177, 30171), (195, 30246), (295, 30378), (304, 30405), (306, 30414), (323, 30468), (328, 30495), (333, 30525), (343, 30579), (359, 30651), (410, 30837), (445, 30957), (451, 30978), (457, 30996), (463, 31011), (471, 31041), (475, 31071), (478, 31107), (479, 31110), (485, 31146),

Gene: FreddyB_30 Start: 26513, Stop: 27784, Start Num: 68

Candidate Starts for FreddyB_30:

(Start: 68 @26513 has 188 MA's), (104, 26630), (128, 26702), (154, 26819), (155, 26822), (178, 26900), (200, 26981), (272, 27023), (286, 27101), (318, 27227), (338, 27332), (342, 27347), (349, 27389), (361, 27425), (362, 27428), (377, 27479), (379, 27488), (418, 27602), (432, 27644), (434, 27653), (451, 27710), (452, 27713),

Gene: Frederick_44 Start: 40560, Stop: 42290, Start Num: 79

Candidate Starts for Frederick_44:

(Start: 79 @40560 has 30 MA's), (109, 40635), (115, 40653), (120, 40674), (125, 40689), (143, 40761), (165, 40854), (185, 40914), (192, 40938), (215, 41025), (217, 41040), (254, 41223), (265, 41304), (276, 41385), (280, 41409), (281, 41412), (292, 41454), (319, 41565), (322, 41574), (324, 41583), (339, 41679), (346, 41718), (367, 41787), (377, 41811), (383, 41838), (390, 41868), (414, 41946), (420, 41970), (425, 41988), (426, 41991), (433, 42015), (441, 42060), (466, 42144),

Gene: Fruitloop_29 Start: 26518, Stop: 27672, Start Num: 68

Candidate Starts for Fruitloop_29:

(14, 26245), (17, 26248), (Start: 68 @26518 has 188 MA's), (91, 26602), (141, 26752), (151, 26806), (187, 26947), (287, 27028), (318, 27154), (319, 27160), (328, 27199), (338, 27259), (342, 27274), (349, 27316), (361, 27352), (362, 27355), (377, 27406), (379, 27415), (418, 27529), (452, 27640), (460, 27661),

Gene: FudgeTart_246 Start: 142611, Stop: 144041, Start Num: 112

Candidate Starts for FudgeTart_246:

(Start: 112 @142611 has 181 MA's), (138, 142701), (152, 142764), (185, 142887), (192, 142911), (219, 142995), (230, 143037), (241, 143079), (265, 143244), (266, 143247), (318, 143502), (326, 143541), (332, 143571), (346, 143634), (351, 143655), (352, 143664), (354, 143667), (365, 143700), (371, 143715), (408, 143850), (431, 143925), (443, 143982), (444, 143985),

Gene: GUmbie_30 Start: 26344, Stop: 27537, Start Num: 68

Candidate Starts for GUmbie_30:

(Start: 68 @26344 has 188 MA's), (91, 26428), (141, 26578), (151, 26632), (187, 26773), (287, 26854), (318, 26980), (319, 26986), (320, 26989), (328, 27025), (342, 27100), (349, 27142), (361, 27178), (379, 27241), (418, 27355), (432, 27397), (434, 27406), (451, 27463), (452, 27466),

Gene: Gabriel_253 Start: 141592, Stop: 143022, Start Num: 112

Candidate Starts for Gabriel_253:

(Start: 112 @141592 has 181 MA's), (138, 141682), (152, 141745), (185, 141868), (192, 141892), (219, 141976), (230, 142018), (241, 142060), (265, 142225), (266, 142228), (318, 142483), (326, 142522), (332, 142552), (346, 142615), (351, 142636), (352, 142645), (354, 142648), (365, 142681), (371, 142696), (408, 142831), (431, 142906), (443, 142963), (444, 142966),

Gene: Gabriela_27 Start: 25348, Stop: 26517, Start Num: 61

Candidate Starts for Gabriela_27:

146368), (332, 146398), (346, 146461), (351, 146482), (352, 146491), (354, 146494), (365, 146527), (371, 146542), (408, 146677), (431, 146752), (443, 146809), (444, 146812),

Gene: Glaske16_36 Start: 29798, Stop: 31165, Start Num: 74
Candidate Starts for Glaske16_36:

(Start: 74 @29798 has 16 MA's), (89, 29855), (98, 29882), (105, 29897), (113, 29918), (114, 29921), (148, 30059), (153, 30083), (173, 30161), (176, 30167), (177, 30170), (195, 30245), (295, 30377), (304, 30404), (306, 30413), (323, 30467), (328, 30494), (333, 30524), (343, 30578), (359, 30650), (410, 30836), (445, 30956), (451, 30977), (457, 30995), (463, 31010), (471, 31040), (475, 31070), (478, 31106), (479, 31109), (485, 31145),

Gene: GlenHope_47 Start: 40249, Stop: 41526, Start Num: 45
Candidate Starts for GlenHope_47:

(41, 40231), (Start: 45 @40249 has 10 MA's), (47, 40252), (Start: 50 @40261 has 15 MA's), (Start: 60 @40303 has 22 MA's), (Start: 66 @40324 has 1 MA's), (73, 40351), (76, 40366), (88, 40408), (Start: 110 @40459 has 1 MA's), (134, 40549), (141, 40564), (165, 40678), (194, 40780), (307, 40942), (318, 40987), (319, 40993), (322, 41002), (328, 41032), (345, 41134), (361, 41191), (377, 41242), (384, 41278), (387, 41290), (395, 41323), (399, 41338), (453, 41488),

Gene: Glubnar_47 Start: 40302, Stop: 41525, Start Num: 60
Candidate Starts for Glubnar_47:

(41, 40230), (Start: 45 @40248 has 10 MA's), (47, 40251), (Start: 50 @40260 has 15 MA's), (Start: 60 @40302 has 22 MA's), (Start: 66 @40323 has 1 MA's), (73, 40350), (76, 40365), (88, 40407), (Start: 110 @40458 has 1 MA's), (134, 40548), (141, 40563), (165, 40677), (194, 40779), (307, 40941), (318, 40986), (319, 40992), (320, 40995), (322, 41001), (328, 41031), (345, 41133), (361, 41190), (377, 41241), (384, 41277), (387, 41289), (395, 41322), (399, 41337), (453, 41487),

Gene: GlutenPhree_251 Start: 141960, Stop: 143390, Start Num: 112
Candidate Starts for GlutenPhree_251:

(Start: 112 @141960 has 181 MA's), (138, 142050), (152, 142113), (185, 142236), (192, 142260), (219, 142344), (230, 142386), (241, 142428), (265, 142593), (266, 142596), (318, 142851), (326, 142890), (332, 142920), (346, 142983), (351, 143004), (352, 143013), (354, 143016), (365, 143049), (371, 143064), (408, 143199), (431, 143274), (443, 143331), (444, 143334),

Gene: GoongGoong_53 Start: 29923, Stop: 31302, Start Num: 75
Candidate Starts for GoongGoong_53:

(Start: 75 @29923 has 19 MA's), (103, 29980), (117, 30016), (122, 30040), (127, 30052), (161, 30175), (169, 30217), (190, 30289), (195, 30313), (199, 30319), (221, 30400), (242, 30469), (244, 30472), (248, 30508), (251, 30544), (262, 30616), (265, 30634), (266, 30637), (284, 30754), (291, 30784), (322, 30916), (325, 30937), (332, 30970), (345, 31024), (346, 31030), (380, 31150), (388, 31180), (394, 31201), (403, 31231),

Gene: Gorge_30 Start: 26480, Stop: 27751, Start Num: 68
Candidate Starts for Gorge_30:

(Start: 68 @26480 has 188 MA's), (104, 26597), (128, 26669), (154, 26786), (155, 26789), (178, 26867), (200, 26948), (272, 26990), (286, 27068), (318, 27194), (338, 27299), (342, 27314), (349, 27356), (361, 27392), (362, 27395), (377, 27446), (379, 27455), (418, 27569), (432, 27611), (434, 27620), (451, 27677), (452, 27680),

Gene: Grasshills_257 Start: 144559, Stop: 145989, Start Num: 112
Candidate Starts for Grasshills_257:

(Start: 112 @144559 has 181 MA's), (138, 144649), (152, 144712), (185, 144835), (192, 144859), (219, 144943), (230, 144985), (241, 145027), (265, 145192), (266, 145195), (318, 145450), (326,

Gene: InterFolia_252 Start: 143369, Stop: 144799, Start Num: 112

Candidate Starts for InterFolia_252:

(Start: 112 @143369 has 181 MA's), (138, 143459), (139, 143462), (152, 143522), (185, 143645), (192, 143669), (219, 143753), (230, 143795), (241, 143837), (265, 144002), (266, 144005), (318, 144260), (326, 144299), (332, 144329), (346, 144392), (351, 144413), (352, 144422), (354, 144425), (365, 144458), (371, 144473), (408, 144608), (431, 144683), (443, 144740), (444, 144743),

Gene: Inventum_30 Start: 26444, Stop: 27607, Start Num: 68

Candidate Starts for Inventum_30:

(Start: 68 @26444 has 188 MA's), (91, 26528), (141, 26678), (151, 26732), (187, 26873), (287, 26951), (318, 27077), (319, 27083), (328, 27122), (338, 27182), (342, 27197), (349, 27239), (361, 27275), (362, 27278), (377, 27329), (379, 27338), (418, 27452),

Gene: Iota_247 Start: 142335, Stop: 143765, Start Num: 112

Candidate Starts for Iota_247:

(Start: 112 @142335 has 181 MA's), (138, 142425), (152, 142488), (185, 142611), (192, 142635), (219, 142719), (230, 142761), (241, 142803), (265, 142968), (266, 142971), (318, 143226), (326, 143265), (332, 143295), (346, 143358), (351, 143379), (352, 143388), (354, 143391), (365, 143424), (371, 143439), (408, 143574), (431, 143649), (443, 143706), (444, 143709),

Gene: IrishSherpFalk_32 Start: 27838, Stop: 29112, Start Num: 68

Candidate Starts for IrishSherpFalk_32:

(Start: 68 @27838 has 188 MA's), (104, 27958), (154, 28147), (155, 28150), (178, 28228), (200, 28309), (272, 28351), (286, 28429), (318, 28555), (319, 28561), (338, 28660), (342, 28675), (349, 28717), (361, 28753), (363, 28771), (377, 28807), (379, 28816), (418, 28930), (432, 28972), (434, 28981), (451, 29038), (452, 29041),

Gene: Issimir_244 Start: 142710, Stop: 144140, Start Num: 112

Candidate Starts for Issimir_244:

(Start: 112 @142710 has 181 MA's), (138, 142800), (152, 142863), (185, 142986), (192, 143010), (219, 143094), (230, 143136), (241, 143178), (265, 143343), (266, 143346), (318, 143601), (326, 143640), (332, 143670), (346, 143733), (351, 143754), (352, 143763), (354, 143766), (365, 143799), (371, 143814), (408, 143949), (431, 144024), (444, 144084),

Gene: Izajani_246 Start: 143155, Stop: 144585, Start Num: 112

Candidate Starts for Izajani_246:

(Start: 112 @143155 has 181 MA's), (138, 143245), (152, 143308), (185, 143431), (192, 143455), (219, 143539), (230, 143581), (241, 143623), (265, 143788), (266, 143791), (318, 144046), (326, 144085), (332, 144115), (346, 144178), (351, 144199), (352, 144208), (354, 144211), (365, 144244), (371, 144259), (408, 144394), (431, 144469), (443, 144526), (444, 144529),

Gene: Izel_36 Start: 29798, Stop: 31165, Start Num: 74

Candidate Starts for Izel_36:

(Start: 74 @29798 has 16 MA's), (89, 29855), (98, 29882), (105, 29897), (113, 29918), (114, 29921), (148, 30059), (153, 30083), (173, 30161), (176, 30167), (177, 30170), (195, 30245), (295, 30377), (304, 30404), (306, 30413), (323, 30467), (328, 30494), (333, 30524), (343, 30578), (359, 30650), (410, 30836), (445, 30956), (451, 30977), (457, 30995), (463, 31010), (471, 31040), (475, 31070), (478, 31106), (479, 31109), (485, 31145),

Gene: JAMaL_43 Start: 40735, Stop: 42471, Start Num: 79

Candidate Starts for JAMaL_43:

Gene: Nozo_46 Start: 41071, Stop: 42294, Start Num: 60

Candidate Starts for Nozo_46:

(41, 40999), (Start: 45 @41017 has 10 MA's), (47, 41020), (Start: 50 @41029 has 15 MA's), (Start: 60 @41071 has 22 MA's), (Start: 66 @41092 has 1 MA's), (73, 41119), (76, 41134), (88, 41176), (Start: 110 @41227 has 1 MA's), (134, 41317), (141, 41332), (165, 41446), (194, 41548), (307, 41710), (318, 41755), (319, 41761), (320, 41764), (322, 41770), (328, 41800), (345, 41902), (361, 41959), (377, 42010), (384, 42046), (387, 42058), (395, 42091), (399, 42106), (453, 42256),

Gene: NuevoMundo_252 Start: 143875, Stop: 145305, Start Num: 112

Candidate Starts for NuevoMundo_252:

(Start: 112 @143875 has 181 MA's), (138, 143965), (152, 144028), (185, 144151), (192, 144175), (219, 144259), (230, 144301), (241, 144343), (265, 144508), (266, 144511), (318, 144766), (326, 144805), (332, 144835), (346, 144898), (351, 144919), (352, 144928), (354, 144931), (365, 144964), (371, 144979), (408, 145114), (431, 145189), (443, 145246), (444, 145249),

Gene: Obutu_46 Start: 40295, Stop: 41518, Start Num: 60

Candidate Starts for Obutu_46:

(Start: 34 @40181 has 1 MA's), (35, 40184), (Start: 60 @40295 has 22 MA's), (Start: 66 @40316 has 1 MA's), (73, 40343), (76, 40358), (88, 40400), (Start: 110 @40451 has 1 MA's), (134, 40541), (141, 40556), (165, 40670), (194, 40772), (307, 40934), (318, 40979), (319, 40985), (320, 40988), (322, 40994), (328, 41024), (345, 41126), (361, 41183), (377, 41234), (384, 41270), (387, 41282), (395, 41315), (399, 41330), (453, 41480),

Gene: Ochi17_28 Start: 25986, Stop: 27179, Start Num: 68

Candidate Starts for Ochi17_28:

(Start: 68 @25986 has 188 MA's), (91, 26070), (141, 26220), (151, 26274), (187, 26415), (287, 26496), (318, 26622), (338, 26727), (342, 26742), (349, 26784), (361, 26820), (362, 26823), (377, 26874), (379, 26883), (418, 26997), (432, 27039), (434, 27048), (451, 27105), (452, 27108),

Gene: OfUltron_30 Start: 26535, Stop: 27728, Start Num: 68

Candidate Starts for OfUltron_30:

(Start: 68 @26535 has 188 MA's), (91, 26619), (141, 26769), (151, 26823), (187, 26964), (287, 27045), (318, 27171), (338, 27276), (342, 27291), (349, 27333), (361, 27369), (362, 27372), (377, 27423), (379, 27432), (418, 27546), (432, 27588), (434, 27597), (451, 27654), (452, 27657),

Gene: Ogopogo_30 Start: 25685, Stop: 26878, Start Num: 68

Candidate Starts for Ogopogo_30:

(Start: 68 @25685 has 188 MA's), (91, 25769), (141, 25919), (151, 25973), (187, 26114), (287, 26195), (318, 26321), (319, 26327), (320, 26330), (342, 26441), (349, 26483), (362, 26522), (363, 26537), (377, 26573), (379, 26582), (418, 26696), (432, 26738), (434, 26747), (451, 26804), (452, 26807),

Gene: OhShagHennessy_25 Start: 24340, Stop: 25512, Start Num: 61

Candidate Starts for OhShagHennessy_25:

(54, 24310), (Start: 61 @24340 has 30 MA's), (194, 24787), (287, 24865), (296, 24910), (318, 24985), (328, 25030), (342, 25105), (345, 25132), (349, 25150), (361, 25186), (362, 25189), (379, 25249), (395, 25300), (399, 25315), (430, 25384), (436, 25408),

Gene: Okabe_30 Start: 23374, Stop: 24567, Start Num: 68

Candidate Starts for Okabe_30:

(Start: 68 @23374 has 188 MA's), (91, 23458), (141, 23608), (151, 23662), (187, 23803), (287, 23884), (318, 24010), (319, 24016), (328, 24055), (342, 24130), (349, 24172), (361, 24208), (362, 24211), (377, 24262), (379, 24271), (418, 24385), (432, 24427), (434, 24436), (451, 24493), (452, 24496),

Gene: Oksu_31 Start: 26379, Stop: 27572, Start Num: 68

Candidate Starts for Oksu_31:

(Start: 68 @26379 has 188 MA's), (91, 26463), (141, 26613), (151, 26667), (187, 26808), (287, 26889), (318, 27015), (338, 27120), (342, 27135), (349, 27177), (361, 27213), (362, 27216), (377, 27267), (379, 27276), (418, 27390), (432, 27432), (434, 27441), (451, 27498), (452, 27501),

Gene: OldBen_30 Start: 26283, Stop: 27554, Start Num: 68

Candidate Starts for OldBen_30:

(Start: 68 @26283 has 188 MA's), (104, 26400), (128, 26472), (154, 26589), (155, 26592), (178, 26670), (200, 26751), (272, 26793), (286, 26871), (318, 26997), (319, 27003), (320, 27006), (342, 27117), (349, 27159), (362, 27198), (363, 27213), (377, 27249), (379, 27258), (418, 27372), (432, 27414), (451, 27480), (452, 27483),

Gene: Olivio_45 Start: 40164, Stop: 41387, Start Num: 60

Candidate Starts for Olivio_45:

(Start: 34 @40050 has 1 MA's), (35, 40053), (Start: 60 @40164 has 22 MA's), (Start: 66 @40185 has 1 MA's), (73, 40212), (76, 40227), (88, 40269), (Start: 110 @40320 has 1 MA's), (134, 40410), (141, 40425), (165, 40539), (194, 40641), (307, 40803), (318, 40848), (319, 40854), (320, 40857), (322, 40863), (328, 40893), (345, 40995), (361, 41052), (377, 41103), (384, 41139), (387, 41151), (395, 41184), (399, 41199), (453, 41349),

Gene: OlympiaSaint_30 Start: 26699, Stop: 27970, Start Num: 68

Candidate Starts for OlympiaSaint_30:

(Start: 68 @26699 has 188 MA's), (104, 26816), (128, 26888), (154, 27005), (155, 27008), (178, 27086), (200, 27167), (272, 27209), (286, 27287), (318, 27413), (338, 27518), (342, 27533), (349, 27575), (361, 27611), (362, 27614), (377, 27665), (379, 27674), (418, 27788), (432, 27830), (434, 27839), (451, 27896), (452, 27899),

Gene: OrangeOswald_46 Start: 40258, Stop: 41535, Start Num: 45

Candidate Starts for OrangeOswald_46:

(41, 40240), (Start: 45 @40258 has 10 MA's), (47, 40261), (Start: 50 @40270 has 15 MA's), (Start: 60 @40312 has 22 MA's), (Start: 66 @40333 has 1 MA's), (73, 40360), (76, 40375), (88, 40417), (Start: 110 @40468 has 1 MA's), (134, 40558), (141, 40573), (165, 40687), (194, 40789), (307, 40951), (318, 40996), (319, 41002), (320, 41005), (322, 41011), (328, 41041), (345, 41143), (361, 41200), (377, 41251), (384, 41287), (387, 41299), (395, 41332), (399, 41347), (453, 41497),

Gene: OrediggerDelux_247 Start: 144064, Stop: 145494, Start Num: 112

Candidate Starts for OrediggerDelux_247:

(Start: 112 @144064 has 181 MA's), (138, 144154), (152, 144217), (185, 144340), (192, 144364), (219, 144448), (230, 144490), (241, 144532), (265, 144697), (266, 144700), (318, 144955), (326, 144994), (332, 145024), (346, 145087), (351, 145108), (352, 145117), (354, 145120), (365, 145153), (371, 145168), (408, 145303), (431, 145378), (443, 145435), (444, 145438),

Gene: Ovechkin_30 Start: 26501, Stop: 27664, Start Num: 68

Candidate Starts for Ovechkin_30:

(14, 26228), (17, 26231), (Start: 68 @26501 has 188 MA's), (91, 26585), (141, 26735), (151, 26789), (187, 26930), (287, 27008), (318, 27134), (319, 27140), (328, 27179), (338, 27239), (342, 27254), (349, 27296), (361, 27332), (362, 27335), (363, 27350), (377, 27386), (379, 27395), (418, 27509), (452, 27620),

Gene: OwlsT2W_31 Start: 26780, Stop: 27949, Start Num: 68

Candidate Starts for OwlsT2W_31:

(Start: 68 @26780 has 188 MA's), (91, 26864), (141, 27014), (151, 27068), (187, 27209), (307, 27386), (318, 27428), (320, 27437), (434, 27857), (452, 27917), (461, 27938),

Gene: PHappiness_30 Start: 26304, Stop: 27497, Start Num: 68

Candidate Starts for PHappiness_30:

(10, 25938), (Start: 68 @26304 has 188 MA's), (91, 26388), (141, 26538), (151, 26592), (187, 26733), (287, 26814), (318, 26940), (328, 26985), (342, 27060), (349, 27102), (361, 27138), (362, 27141), (377, 27192), (379, 27201), (418, 27315), (432, 27357), (434, 27366), (451, 27423), (452, 27426),

Gene: PMC_30 Start: 26306, Stop: 27499, Start Num: 68

Candidate Starts for PMC_30:

(Start: 68 @26306 has 188 MA's), (91, 26390), (141, 26540), (151, 26594), (187, 26735), (287, 26816), (318, 26942), (319, 26948), (342, 27062), (349, 27104), (361, 27140), (363, 27158), (377, 27194), (379, 27203), (418, 27317), (432, 27359), (434, 27368), (451, 27425), (452, 27428),

Gene: PYPDinur_25 Start: 24174, Stop: 25346, Start Num: 61

Candidate Starts for PYPDinur_25:

(Start: 61 @24174 has 30 MA's), (Start: 64 @24183 has 1 MA's), (165, 24549), (193, 24618), (287, 24699), (318, 24819), (345, 24966), (349, 24984), (361, 25020), (379, 25083), (399, 25149), (429, 25215), (430, 25218),

Gene: Pacc40_30 Start: 26481, Stop: 27689, Start Num: 135

Candidate Starts for Pacc40_30:

(Start: 135 @26481 has 38 MA's), (158, 26577), (164, 26601), (191, 26694), (192, 26697), (212, 26742), (238, 26871), (248, 26922), (262, 27033), (266, 27054), (322, 27336), (325, 27357), (346, 27453), (359, 27498), (373, 27543), (380, 27567), (396, 27627),

Gene: ParkTD_249 Start: 142959, Stop: 144389, Start Num: 112

Candidate Starts for ParkTD_249:

(Start: 112 @142959 has 181 MA's), (138, 143049), (152, 143112), (185, 143235), (192, 143259), (219, 143343), (230, 143385), (241, 143427), (265, 143592), (266, 143595), (318, 143850), (326, 143889), (332, 143919), (346, 143982), (351, 144003), (352, 144012), (354, 144015), (365, 144048), (371, 144063), (408, 144198), (431, 144273), (443, 144330), (444, 144333),

Gene: Patience_41 Start: 34399, Stop: 35790, Start Num: 51

Candidate Starts for Patience_41:

(Start: 51 @34399 has 3 MA's), (Start: 60 @34438 has 22 MA's), (70, 34474), (84, 34534), (92, 34564), (130, 34681), (140, 34705), (166, 34822), (181, 34867), (274, 34942), (276, 34951), (299, 35038), (322, 35110), (337, 35197), (342, 35215), (356, 35287), (361, 35299), (377, 35353), (380, 35365), (384, 35389), (407, 35467), (417, 35500), (423, 35515), (439, 35584), (456, 35623), (468, 35662), (474, 35683), (486, 35782),

Gene: PatoPoderoso_30 Start: 26519, Stop: 27715, Start Num: 135

Candidate Starts for PatoPoderoso_30:

(47, 26267), (Start: 135 @26519 has 38 MA's), (156, 26603), (199, 26753), (218, 26807), (240, 26900), (248, 26948), (262, 27059), (266, 27080), (322, 27362), (325, 27383), (346, 27479), (359, 27524), (373, 27569), (380, 27593), (396, 27653),

Gene: Patter_252 Start: 142619, Stop: 144049, Start Num: 112

Candidate Starts for Patter_252:

(Start: 112 @142619 has 181 MA's), (138, 142709), (139, 142712), (152, 142772), (185, 142895), (192, 142919), (219, 143003), (230, 143045), (241, 143087), (265, 143252), (266, 143255), (318, 143510), (326, 143549), (332, 143579), (346, 143642), (351, 143663), (352, 143672), (354, 143675),

(365, 143708), (371, 143723), (408, 143858), (431, 143933), (443, 143990), (444, 143993),

Gene: PegLeg_35 Start: 29798, Stop: 31165, Start Num: 74

Candidate Starts for PegLeg_35:

(Start: 74 @29798 has 16 MA's), (89, 29855), (98, 29882), (114, 29921), (148, 30059), (153, 30083), (173, 30161), (176, 30167), (177, 30170), (195, 30245), (295, 30377), (304, 30404), (306, 30413), (323, 30467), (328, 30494), (333, 30524), (343, 30578), (359, 30650), (410, 30836), (445, 30956), (451, 30977), (457, 30995), (463, 31010), (471, 31040), (475, 31070), (478, 31106), (479, 31109), (485, 31145),

Gene: PenguinLover67_49 Start: 42209, Stop: 43822, Start Num: 100

Candidate Starts for PenguinLover67_49:

(2, 41603), (29, 41942), (39, 41990), (Start: 100 @42209 has 18 MA's), (133, 42314), (Start: 135 @42317 has 38 MA's), (136, 42323), (138, 42326), (162, 42428), (183, 42500), (185, 42512), (231, 42695), (234, 42710), (237, 42722), (245, 42743), (251, 42812), (265, 42896), (276, 42977), (280, 43001), (288, 43022), (300, 43082), (319, 43145), (322, 43154), (324, 43163), (346, 43292), (351, 43313), (367, 43364), (370, 43370), (378, 43397), (383, 43424), (397, 43475), (400, 43487), (402, 43493), (426, 43577),

Gene: Peridot_35 Start: 27744, Stop: 29018, Start Num: 68

Candidate Starts for Peridot_35:

(Start: 68 @27744 has 188 MA's), (104, 27864), (128, 27936), (154, 28053), (155, 28056), (178, 28134), (200, 28215), (272, 28257), (286, 28335), (318, 28461), (338, 28566), (342, 28581), (349, 28623), (361, 28659), (362, 28662), (377, 28713), (379, 28722), (418, 28836), (432, 28878), (434, 28887), (451, 28944), (452, 28947),

Gene: Phaedrus_44 Start: 40388, Stop: 41455, Start Num: 110

Candidate Starts for Phaedrus_44:

(41, 40160), (Start: 45 @40178 has 10 MA's), (47, 40181), (Start: 50 @40190 has 15 MA's), (Start: 60 @40232 has 22 MA's), (Start: 66 @40253 has 1 MA's), (73, 40280), (76, 40295), (88, 40337), (Start: 110 @40388 has 1 MA's), (134, 40478), (141, 40493), (165, 40607), (194, 40709), (307, 40871), (318, 40916), (319, 40922), (320, 40925), (322, 40931), (328, 40961), (345, 41063), (361, 41120), (377, 41171), (384, 41207), (387, 41219), (395, 41252), (399, 41267), (453, 41417),

Gene: Phalconet_30 Start: 26423, Stop: 27631, Start Num: 135

Candidate Starts for Phalconet_30:

(41, 26147), (48, 26168), (Start: 135 @26423 has 38 MA's), (158, 26519), (164, 26543), (191, 26636), (192, 26639), (212, 26684), (238, 26813), (248, 26864), (262, 26975), (266, 26996), (322, 27278), (325, 27299), (346, 27395), (359, 27440), (373, 27485), (380, 27509), (396, 27569),

Gene: Phanphagia_27 Start: 25503, Stop: 26657, Start Num: 68

Candidate Starts for Phanphagia_27:

(14, 25230), (21, 25251), (Start: 68 @25503 has 188 MA's), (91, 25587), (141, 25737), (151, 25791), (187, 25932), (287, 26013), (318, 26139), (319, 26145), (328, 26184), (338, 26244), (342, 26259), (349, 26301), (361, 26337), (362, 26340), (377, 26391), (379, 26400), (418, 26514), (452, 26625), (460, 26646),

Gene: PharkleMinkus_254 Start: 142012, Stop: 143442, Start Num: 112

Candidate Starts for PharkleMinkus_254:

(Start: 112 @142012 has 181 MA's), (138, 142102), (152, 142165), (185, 142288), (192, 142312), (219, 142396), (230, 142438), (241, 142480), (265, 142645), (266, 142648), (318, 142903), (326, 142942), (332, 142972), (346, 143035), (351, 143056), (352, 143065), (354, 143068), (365, 143101), (371, 143116), (408, 143251), (431, 143326), (443, 143383), (444, 143386),

Gene: Phasih_31 Start: 26881, Stop: 28074, Start Num: 68

Candidate Starts for Phasih_31:

(Start: 68 @26881 has 188 MA's), (91, 26965), (141, 27115), (151, 27169), (187, 27310), (287, 27391), (318, 27517), (319, 27523), (320, 27526), (328, 27562), (342, 27637), (349, 27679), (361, 27715), (379, 27778), (418, 27892), (432, 27934), (434, 27943), (451, 28000), (452, 28003),

Gene: Phatniss_31 Start: 26823, Stop: 28016, Start Num: 68

Candidate Starts for Phatniss_31:

(Start: 68 @26823 has 188 MA's), (91, 26907), (141, 27057), (151, 27111), (187, 27252), (287, 27333), (318, 27459), (319, 27465), (342, 27579), (349, 27621), (361, 27657), (363, 27675), (377, 27711), (379, 27720), (418, 27834), (432, 27876), (434, 27885), (451, 27942), (452, 27945),

Gene: Phayeta_47 Start: 40177, Stop: 41400, Start Num: 60

Candidate Starts for Phayeta_47:

(Start: 34 @40063 has 1 MA's), (35, 40066), (Start: 60 @40177 has 22 MA's), (Start: 66 @40198 has 1 MA's), (73, 40225), (76, 40240), (88, 40282), (Start: 110 @40333 has 1 MA's), (134, 40423), (141, 40438), (165, 40552), (194, 40654), (307, 40816), (318, 40861), (319, 40867), (320, 40870), (322, 40876), (328, 40906), (345, 41008), (361, 41065), (377, 41116), (384, 41152), (387, 41164), (395, 41197), (399, 41212), (453, 41362),

Gene: PhesterPhotato_30 Start: 26343, Stop: 27551, Start Num: 135

Candidate Starts for PhesterPhotato_30:

(41, 26067), (48, 26088), (Start: 135 @26343 has 38 MA's), (158, 26439), (164, 26463), (191, 26556), (192, 26559), (212, 26604), (238, 26733), (248, 26784), (262, 26895), (266, 26916), (322, 27198), (325, 27219), (346, 27315), (359, 27360), (373, 27405), (380, 27429), (396, 27489),

Gene: Philly_45 Start: 40109, Stop: 41386, Start Num: 45

Candidate Starts for Philly_45:

(41, 40091), (Start: 45 @40109 has 10 MA's), (47, 40112), (Start: 50 @40121 has 15 MA's), (Start: 60 @40163 has 22 MA's), (Start: 66 @40184 has 1 MA's), (73, 40211), (76, 40226), (88, 40268), (Start: 110 @40319 has 1 MA's), (134, 40409), (141, 40424), (165, 40538), (194, 40640), (307, 40802), (318, 40847), (319, 40853), (320, 40856), (322, 40862), (328, 40892), (345, 40994), (361, 41051), (377, 41102), (384, 41138), (387, 41150), (395, 41183), (399, 41198), (453, 41348),

Gene: Philus_30 Start: 26322, Stop: 27593, Start Num: 68

Candidate Starts for Philus_30:

(Start: 68 @26322 has 188 MA's), (104, 26439), (128, 26511), (154, 26628), (155, 26631), (178, 26709), (200, 26790), (272, 26832), (286, 26910), (318, 27036), (338, 27141), (342, 27156), (349, 27198), (361, 27234), (362, 27237), (377, 27288), (379, 27297), (418, 27411), (432, 27453), (434, 27462), (451, 27519), (452, 27522),

Gene: Phlegm_255 Start: 143365, Stop: 144795, Start Num: 112

Candidate Starts for Phlegm_255:

(Start: 112 @143365 has 181 MA's), (138, 143455), (152, 143518), (185, 143641), (192, 143665), (219, 143749), (230, 143791), (241, 143833), (265, 143998), (266, 144001), (318, 144256), (326, 144295), (332, 144325), (346, 144388), (351, 144409), (352, 144418), (354, 144421), (365, 144454), (371, 144469), (408, 144604), (431, 144679), (443, 144736), (444, 144739),

Gene: PhlipPhlop_31 Start: 27860, Stop: 29131, Start Num: 68

Candidate Starts for PhlipPhlop_31:

(Start: 68 @27860 has 188 MA's), (104, 27977), (128, 28049), (154, 28166), (155, 28169), (178, 28247), (200, 28328), (272, 28370), (286, 28448), (318, 28574), (338, 28679), (342, 28694), (349,

28736), (361, 28772), (362, 28775), (377, 28826), (379, 28835), (418, 28949), (432, 28991), (434, 29000), (451, 29057), (452, 29060),

Gene: Phlyer_46 Start: 41009, Stop: 42274, Start Num: 50

Candidate Starts for Phlyer_46:

(41, 40979), (Start: 45 @40997 has 10 MA's), (47, 41000), (Start: 50 @41009 has 15 MA's), (Start: 60 @41051 has 22 MA's), (Start: 66 @41072 has 1 MA's), (73, 41099), (76, 41114), (88, 41156), (Start: 110 @41207 has 1 MA's), (134, 41297), (141, 41312), (165, 41426), (194, 41528), (307, 41690), (318, 41735), (319, 41741), (320, 41744), (322, 41750), (328, 41780), (345, 41882), (361, 41939), (377, 41990), (384, 42026), (387, 42038), (395, 42071), (399, 42086), (453, 42236),

Gene: Phox_251 Start: 142614, Stop: 144044, Start Num: 112

Candidate Starts for Phox_251:

(Start: 112 @142614 has 181 MA's), (138, 142704), (152, 142767), (185, 142890), (192, 142914), (219, 142998), (230, 143040), (241, 143082), (265, 143247), (266, 143250), (318, 143505), (326, 143544), (332, 143574), (346, 143637), (351, 143658), (352, 143667), (354, 143670), (365, 143703), (371, 143718), (408, 143853), (431, 143928), (443, 143985), (444, 143988),

Gene: Phusco_249 Start: 142197, Stop: 143627, Start Num: 112

Candidate Starts for Phusco_249:

(Start: 112 @142197 has 181 MA's), (138, 142287), (152, 142350), (185, 142473), (192, 142497), (219, 142581), (230, 142623), (241, 142665), (265, 142830), (266, 142833), (318, 143088), (326, 143127), (332, 143157), (346, 143220), (351, 143241), (352, 143250), (354, 143253), (365, 143286), (371, 143301), (408, 143436), (431, 143511), (443, 143568), (444, 143571),

Gene: Pier_249 Start: 143490, Stop: 144920, Start Num: 112

Candidate Starts for Pier_249:

(Start: 112 @143490 has 181 MA's), (138, 143580), (152, 143643), (185, 143766), (192, 143790), (219, 143874), (230, 143916), (241, 143958), (265, 144123), (266, 144126), (318, 144381), (326, 144420), (332, 144450), (346, 144513), (351, 144534), (352, 144543), (354, 144546), (365, 144579), (371, 144594), (408, 144729), (431, 144804), (443, 144861), (444, 144864),

Gene: Pinkcreek_230 Start: 139816, Stop: 141246, Start Num: 112

Candidate Starts for Pinkcreek_230:

(93, 139774), (Start: 112 @139816 has 181 MA's), (138, 139906), (152, 139969), (185, 140092), (192, 140116), (219, 140200), (230, 140242), (241, 140284), (265, 140449), (266, 140452), (318, 140707), (326, 140746), (332, 140776), (346, 140839), (351, 140860), (352, 140869), (354, 140872), (365, 140905), (371, 140920), (408, 141055), (431, 141130), (444, 141190),

Gene: Pio_257 Start: 144693, Stop: 146123, Start Num: 112

Candidate Starts for Pio_257:

(Start: 112 @144693 has 181 MA's), (138, 144783), (152, 144846), (185, 144969), (192, 144993), (219, 145077), (230, 145119), (241, 145161), (265, 145326), (266, 145329), (318, 145584), (326, 145623), (332, 145653), (346, 145716), (351, 145737), (352, 145746), (354, 145749), (365, 145782), (371, 145797), (408, 145932), (431, 146007), (443, 146064), (444, 146067),

Gene: Pipefish_48 Start: 41704, Stop: 42927, Start Num: 60

Candidate Starts for Pipefish_48:

(Start: 34 @41590 has 1 MA's), (35, 41593), (Start: 60 @41704 has 22 MA's), (Start: 66 @41725 has 1 MA's), (73, 41752), (76, 41767), (88, 41809), (Start: 110 @41860 has 1 MA's), (134, 41950), (141, 41965), (165, 42079), (194, 42181), (307, 42343), (318, 42388), (319, 42394), (322, 42403), (328, 42433), (345, 42535), (361, 42592), (377, 42643), (384, 42679), (387, 42691), (395, 42724), (399, 42739), (453, 42889),

Gene: Piper2020_32 Start: 26915, Stop: 28126, Start Num: 68

Candidate Starts for Piper2020_32:

(Start: 68 @26915 has 188 MA's), (91, 26999), (141, 27149), (151, 27203), (187, 27344), (287, 27425), (318, 27551), (319, 27557), (320, 27560), (328, 27596), (338, 27656), (342, 27671), (349, 27713), (361, 27749), (362, 27752), (377, 27803), (379, 27812), (418, 27926), (452, 28037),

Gene: Pippy_24 Start: 22504, Stop: 23664, Start Num: 68

Candidate Starts for Pippy_24:

(18, 22234), (Start: 68 @22504 has 188 MA's), (91, 22588), (141, 22738), (151, 22792), (174, 22885), (183, 22915), (187, 22936), (287, 23014), (318, 23140), (319, 23146), (342, 23260), (349, 23302), (358, 23335), (362, 23341), (379, 23401),

Gene: Pivoine_251 Start: 142662, Stop: 144092, Start Num: 112

Candidate Starts for Pivoine_251:

(Start: 112 @142662 has 181 MA's), (138, 142752), (152, 142815), (185, 142938), (192, 142962), (219, 143046), (230, 143088), (241, 143130), (265, 143295), (266, 143298), (318, 143553), (326, 143592), (332, 143622), (346, 143685), (351, 143706), (352, 143715), (354, 143718), (365, 143751), (371, 143766), (408, 143901), (431, 143976), (443, 144033), (444, 144036),

Gene: Pleione_254 Start: 143425, Stop: 144855, Start Num: 112

Candidate Starts for Pleione_254:

(Start: 112 @143425 has 181 MA's), (138, 143515), (152, 143578), (185, 143701), (192, 143725), (219, 143809), (230, 143851), (241, 143893), (265, 144058), (266, 144061), (318, 144316), (326, 144355), (332, 144385), (346, 144448), (351, 144469), (352, 144478), (354, 144481), (365, 144514), (371, 144529), (408, 144664), (431, 144739), (443, 144796), (444, 144799),

Gene: Plumbus_32 Start: 26320, Stop: 27594, Start Num: 68

Candidate Starts for Plumbus_32:

(Start: 68 @26320 has 188 MA's), (104, 26440), (128, 26512), (154, 26629), (155, 26632), (178, 26710), (200, 26791), (272, 26833), (286, 26911), (318, 27037), (319, 27043), (320, 27046), (328, 27082), (342, 27157), (349, 27199), (361, 27235), (379, 27298), (418, 27412), (432, 27454), (434, 27463), (451, 27520), (452, 27523),

Gene: Poenanya_30 Start: 26448, Stop: 27641, Start Num: 68

Candidate Starts for Poenanya_30:

(Start: 68 @26448 has 188 MA's), (91, 26532), (141, 26682), (151, 26736), (187, 26877), (287, 26958), (318, 27084), (319, 27090), (320, 27093), (342, 27204), (349, 27246), (361, 27282), (377, 27336), (379, 27345), (418, 27459), (432, 27501), (434, 27510), (451, 27567), (452, 27570),

Gene: Poise_54 Start: 30021, Stop: 31400, Start Num: 75

Candidate Starts for Poise_54:

(Start: 75 @30021 has 19 MA's), (103, 30078), (117, 30114), (122, 30138), (127, 30150), (161, 30273), (169, 30315), (190, 30387), (195, 30411), (199, 30417), (221, 30498), (242, 30567), (244, 30570), (248, 30606), (251, 30642), (262, 30714), (265, 30732), (266, 30735), (284, 30852), (291, 30882), (322, 31014), (325, 31035), (332, 31068), (345, 31122), (346, 31128), (380, 31248), (388, 31278), (394, 31299), (403, 31329),

Gene: Polka14_31 Start: 26869, Stop: 28140, Start Num: 68

Candidate Starts for Polka14_31:

(15, 26596), (21, 26617), (Start: 68 @26869 has 188 MA's), (104, 26986), (128, 27058), (154, 27175), (155, 27178), (178, 27256), (200, 27337), (272, 27379), (286, 27457), (318, 27583), (319, 27589), (320, 27592), (342, 27703), (349, 27745), (362, 27784), (363, 27799), (377, 27835), (379, 27844),

(418, 27958), (432, 28000), (434, 28009), (451, 28066), (452, 28069),

Gene: Pollywog_30 Start: 26566, Stop: 27849, Start Num: 68

Candidate Starts for Pollywog_30:

(Start: 68 @26566 has 188 MA's), (104, 26683), (128, 26755), (154, 26872), (155, 26875), (178, 26953), (200, 27034), (272, 27085), (286, 27163), (318, 27289), (319, 27295), (328, 27334), (342, 27409), (349, 27451), (362, 27490), (377, 27541), (379, 27550), (418, 27667), (432, 27709), (434, 27718), (451, 27775), (452, 27778),

Gene: Polo2Bam_34 Start: 26505, Stop: 27698, Start Num: 68

Candidate Starts for Polo2Bam_34:

(14, 26232), (21, 26253), (Start: 68 @26505 has 188 MA's), (91, 26589), (141, 26739), (151, 26793), (187, 26934), (287, 27015), (318, 27141), (319, 27147), (328, 27186), (338, 27246), (342, 27261), (349, 27303), (361, 27339), (362, 27342), (363, 27357), (377, 27393), (379, 27402), (418, 27516), (432, 27558), (434, 27567), (451, 27624), (452, 27627),

Gene: Poochiewood_25 Start: 24375, Stop: 25547, Start Num: 61

Candidate Starts for Poochiewood_25:

(54, 24345), (Start: 61 @24375 has 30 MA's), (194, 24822), (287, 24900), (296, 24945), (318, 25020), (328, 25065), (342, 25140), (345, 25167), (349, 25185), (361, 25221), (362, 25224), (379, 25284), (395, 25335), (399, 25350), (430, 25419), (436, 25443), (456, 25503),

Gene: PopTart_30 Start: 26544, Stop: 27830, Start Num: 100

Candidate Starts for PopTart_30:

(28, 26271), (33, 26292), (Start: 100 @26544 has 18 MA's), (142, 26664), (157, 26736), (196, 26853), (198, 26856), (227, 26958), (239, 27015), (248, 27069), (256, 27132), (266, 27195), (267, 27198), (284, 27312), (288, 27324), (301, 27387), (322, 27474), (327, 27501), (346, 27591), (351, 27612), (353, 27624), (359, 27636), (364, 27660), (389, 27741), (398, 27774),

Gene: Poster_42 Start: 39523, Stop: 41259, Start Num: 79

Candidate Starts for Poster_42:

(Start: 79 @39523 has 30 MA's), (109, 39598), (115, 39616), (120, 39637), (125, 39652), (143, 39724), (165, 39817), (185, 39889), (192, 39913), (215, 40000), (217, 40015), (254, 40198), (265, 40279), (276, 40360), (280, 40384), (281, 40387), (292, 40429), (319, 40540), (322, 40549), (324, 40558), (339, 40654), (346, 40693), (367, 40762), (377, 40786), (383, 40813), (390, 40843), (414, 40921), (420, 40945), (425, 40963), (426, 40966), (433, 40990), (441, 41035), (466, 41119),

Gene: Primadonna_246 Start: 142774, Stop: 144204, Start Num: 112

Candidate Starts for Primadonna_246:

(Start: 112 @142774 has 181 MA's), (138, 142864), (152, 142927), (185, 143050), (192, 143074), (219, 143158), (230, 143200), (241, 143242), (265, 143407), (266, 143410), (318, 143665), (326, 143704), (332, 143734), (346, 143797), (351, 143818), (352, 143827), (354, 143830), (365, 143863), (371, 143878), (408, 144013), (431, 144088), (443, 144145), (444, 144148),

Gene: Prince_43 Start: 40736, Stop: 42472, Start Num: 79

Candidate Starts for Prince_43:

(Start: 79 @40736 has 30 MA's), (109, 40811), (115, 40829), (120, 40850), (125, 40865), (143, 40937), (165, 41030), (185, 41102), (192, 41126), (215, 41213), (217, 41228), (255, 41417), (265, 41492), (276, 41573), (280, 41597), (281, 41600), (319, 41753), (322, 41762), (324, 41771), (339, 41867), (346, 41906), (367, 41975), (377, 41999), (383, 42026), (390, 42056), (414, 42134), (420, 42158), (425, 42176), (426, 42179), (441, 42248), (466, 42332),

Gene: Pringar_54 Start: 30309, Stop: 31688, Start Num: 75

Candidate Starts for Pringar_54:

(Start: 75 @30309 has 19 MA's), (103, 30366), (117, 30402), (122, 30426), (127, 30438), (161, 30561), (169, 30603), (190, 30675), (195, 30699), (199, 30705), (221, 30786), (242, 30855), (244, 30858), (248, 30894), (251, 30930), (262, 31002), (265, 31020), (266, 31023), (284, 31140), (291, 31170), (322, 31302), (325, 31323), (332, 31356), (345, 31410), (346, 31416), (380, 31536), (388, 31566), (394, 31587), (403, 31617),

Gene: Priscilla_30 Start: 26513, Stop: 27784, Start Num: 68

Candidate Starts for Priscilla_30:

(Start: 68 @26513 has 188 MA's), (104, 26630), (128, 26702), (154, 26819), (155, 26822), (178, 26900), (200, 26981), (272, 27023), (286, 27101), (318, 27227), (338, 27332), (342, 27347), (349, 27389), (361, 27425), (362, 27428), (377, 27479), (379, 27488), (418, 27602), (432, 27644), (434, 27653), (451, 27710), (452, 27713),

Gene: Pupusa_253 Start: 143988, Stop: 145418, Start Num: 112

Candidate Starts for Pupusa_253:

(Start: 112 @143988 has 181 MA's), (138, 144078), (152, 144141), (185, 144264), (192, 144288), (219, 144372), (230, 144414), (241, 144456), (265, 144621), (266, 144624), (318, 144879), (326, 144918), (332, 144948), (346, 145011), (351, 145032), (352, 145041), (354, 145044), (365, 145077), (371, 145092), (408, 145227), (431, 145302), (443, 145359), (444, 145362),

Gene: PurduePete_251 Start: 144139, Stop: 145569, Start Num: 112

Candidate Starts for PurduePete_251:

(Start: 112 @144139 has 181 MA's), (138, 144229), (152, 144292), (185, 144415), (192, 144439), (219, 144523), (230, 144565), (241, 144607), (265, 144772), (266, 144775), (318, 145030), (326, 145069), (332, 145099), (346, 145162), (351, 145183), (352, 145192), (354, 145195), (365, 145228), (371, 145243), (408, 145378), (431, 145453), (444, 145513),

Gene: QBert_242 Start: 141012, Stop: 142442, Start Num: 112

Candidate Starts for QBert_242:

(Start: 112 @141012 has 181 MA's), (138, 141102), (152, 141165), (185, 141288), (192, 141312), (219, 141396), (230, 141438), (241, 141480), (265, 141645), (266, 141648), (318, 141903), (326, 141942), (332, 141972), (346, 142035), (351, 142056), (352, 142065), (354, 142068), (365, 142101), (371, 142116), (408, 142251), (431, 142326), (443, 142383), (444, 142386),

Gene: Quasimodo_253 Start: 142998, Stop: 144428, Start Num: 112

Candidate Starts for Quasimodo_253:

(Start: 112 @142998 has 181 MA's), (138, 143088), (152, 143151), (185, 143274), (192, 143298), (219, 143382), (230, 143424), (241, 143466), (265, 143631), (266, 143634), (318, 143889), (326, 143928), (332, 143958), (346, 144021), (351, 144042), (352, 144051), (354, 144054), (365, 144087), (371, 144102), (408, 144237), (431, 144312), (443, 144369), (444, 144372),

Gene: Quby_25 Start: 24092, Stop: 25264, Start Num: 61

Candidate Starts for Quby_25:

(Start: 61 @24092 has 30 MA's), (Start: 64 @24101 has 1 MA's), (165, 24467), (193, 24536), (287, 24617), (318, 24737), (345, 24884), (349, 24902), (361, 24938), (379, 25001), (399, 25067), (429, 25133), (430, 25136),

Gene: QueenPie_42 Start: 40647, Stop: 42371, Start Num: 79

Candidate Starts for QueenPie_42:

(Start: 79 @40647 has 30 MA's), (109, 40722), (115, 40740), (120, 40761), (125, 40776), (143, 40848), (165, 40941), (185, 41001), (192, 41025), (215, 41112), (217, 41127), (254, 41310), (255, 41316), (265, 41391), (276, 41472), (280, 41496), (292, 41541), (319, 41652), (322, 41661), (324, 41670),

(346, 41805), (367, 41874), (377, 41898), (383, 41925), (390, 41955), (412, 42030), (414, 42033), (420, 42057), (425, 42075), (426, 42078), (433, 42102), (441, 42147), (466, 42231),

Gene: Quesadilla_49 Start: 42178, Stop: 43833, Start Num: 96

Candidate Starts for Quesadilla_49:

(59, 42043), (Start: 61 @42052 has 30 MA's), (63, 42058), (67, 42076), (Start: 96 @42178 has 4 MA's), (Start: 102 @42187 has 1 MA's), (138, 42301), (170, 42442), (183, 42481), (185, 42493), (195, 42532), (236, 42697), (254, 42811), (255, 42817), (265, 42892), (271, 42931), (276, 42973), (281, 43000), (294, 43054), (298, 43069), (322, 43159), (346, 43303), (372, 43387), (404, 43498), (407, 43510), (424, 43570), (433, 43600), (457, 43690), (466, 43720), (483, 43822),

Gene: QuickMath_31 Start: 27678, Stop: 28868, Start Num: 68

Candidate Starts for QuickMath_31:

(Start: 68 @27678 has 188 MA's), (91, 27762), (141, 27912), (151, 27966), (187, 28107), (287, 28185), (318, 28311), (319, 28317), (328, 28356), (338, 28416), (342, 28431), (349, 28473), (361, 28509), (362, 28512), (377, 28563), (379, 28572), (418, 28686), (432, 28728), (434, 28737), (451, 28794), (452, 28797),

Gene: Quico_31 Start: 26135, Stop: 27328, Start Num: 68

Candidate Starts for Quico_31:

(Start: 68 @26135 has 188 MA's), (91, 26219), (141, 26369), (151, 26423), (187, 26564), (287, 26645), (318, 26771), (319, 26777), (320, 26780), (342, 26891), (349, 26933), (361, 26969), (363, 26987), (377, 27023), (379, 27032), (418, 27146), (432, 27188), (434, 27197), (451, 27254), (452, 27257),

Gene: Rabinovish_243 Start: 141502, Stop: 142932, Start Num: 112

Candidate Starts for Rabinovish_243:

(Start: 112 @141502 has 181 MA's), (152, 141655), (185, 141778), (192, 141802), (219, 141886), (230, 141928), (241, 141970), (265, 142135), (266, 142138), (318, 142393), (326, 142432), (332, 142462), (346, 142525), (351, 142546), (352, 142555), (354, 142558), (365, 142591), (371, 142606), (408, 142741), (431, 142816), (443, 142873), (444, 142876),

Gene: Radiance_30 Start: 26421, Stop: 27692, Start Num: 68

Candidate Starts for Radiance_30:

(Start: 68 @26421 has 188 MA's), (104, 26538), (128, 26610), (154, 26727), (155, 26730), (178, 26808), (200, 26889), (272, 26931), (286, 27009), (318, 27135), (338, 27240), (342, 27255), (349, 27297), (361, 27333), (362, 27336), (377, 27387), (379, 27396), (418, 27510), (432, 27552), (434, 27561), (451, 27618), (452, 27621),

Gene: Raela_54 Start: 30576, Stop: 31955, Start Num: 75

Candidate Starts for Raela_54:

(Start: 75 @30576 has 19 MA's), (103, 30633), (117, 30669), (122, 30693), (127, 30705), (161, 30828), (169, 30870), (190, 30942), (195, 30966), (199, 30972), (221, 31053), (242, 31122), (244, 31125), (248, 31161), (262, 31269), (265, 31287), (266, 31290), (284, 31407), (291, 31437), (322, 31569), (325, 31590), (332, 31623), (345, 31677), (346, 31683), (380, 31803), (388, 31833), (394, 31854), (403, 31884),

Gene: RagingRooster_46 Start: 40271, Stop: 41536, Start Num: 50

Candidate Starts for RagingRooster_46:

(41, 40241), (Start: 45 @40259 has 10 MA's), (47, 40262), (Start: 50 @40271 has 15 MA's), (Start: 60 @40313 has 22 MA's), (Start: 66 @40334 has 1 MA's), (73, 40361), (76, 40376), (88, 40418), (Start: 110 @40469 has 1 MA's), (134, 40559), (141, 40574), (165, 40688), (194, 40790), (307, 40952), (318, 40997), (319, 41003), (320, 41006), (322, 41012), (328, 41042), (345, 41144), (361, 41201), (377, 41252), (384, 41288), (387, 41300), (395, 41333), (399, 41348), (453, 41498),

Gene: Rahel_252 Start: 143100, Stop: 144530, Start Num: 112

Candidate Starts for Rahel_252:

(Start: 112 @143100 has 181 MA's), (138, 143190), (152, 143253), (185, 143376), (192, 143400), (219, 143484), (230, 143526), (241, 143568), (265, 143733), (266, 143736), (318, 143991), (326, 144030), (332, 144060), (346, 144123), (351, 144144), (352, 144153), (354, 144156), (365, 144189), (371, 144204), (408, 144339), (431, 144414), (443, 144471), (444, 144474),

Gene: Ramsey_32 Start: 26518, Stop: 27765, Start Num: 68

Candidate Starts for Ramsey_32:

(Start: 68 @26518 has 188 MA's), (104, 26638), (128, 26710), (154, 26827), (155, 26830), (178, 26908), (200, 26989), (272, 27031), (286, 27109), (318, 27235), (319, 27241), (320, 27244), (342, 27355), (349, 27397), (362, 27436), (363, 27451), (377, 27487), (379, 27496), (418, 27610), (452, 27721),

Gene: RawrgerThat_44 Start: 40581, Stop: 42323, Start Num: 79

Candidate Starts for RawrgerThat_44:

(Start: 79 @40581 has 30 MA's), (109, 40656), (115, 40674), (120, 40695), (125, 40710), (143, 40782), (165, 40875), (185, 40947), (192, 40971), (215, 41058), (217, 41073), (254, 41256), (265, 41337), (276, 41418), (280, 41442), (281, 41445), (292, 41487), (319, 41598), (322, 41607), (324, 41616), (339, 41712), (346, 41751), (367, 41820), (377, 41844), (383, 41871), (390, 41901), (414, 41979), (420, 42003), (425, 42021), (426, 42024), (433, 42048), (441, 42093), (466, 42177),

Gene: RedBird_30 Start: 26299, Stop: 27495, Start Num: 135

Candidate Starts for RedBird_30:

(Start: 135 @26299 has 38 MA's), (156, 26383), (199, 26533), (218, 26587), (240, 26680), (248, 26728), (262, 26839), (266, 26860), (322, 27142), (325, 27163), (346, 27259), (359, 27304), (373, 27349), (380, 27373), (396, 27433),

Gene: RedRaider77_53 Start: 29965, Stop: 31344, Start Num: 75

Candidate Starts for RedRaider77_53:

(Start: 75 @29965 has 19 MA's), (103, 30022), (117, 30058), (122, 30082), (127, 30094), (161, 30217), (169, 30259), (190, 30331), (195, 30355), (199, 30361), (221, 30442), (242, 30511), (244, 30514), (248, 30550), (251, 30586), (262, 30658), (265, 30676), (266, 30679), (284, 30796), (291, 30826), (322, 30958), (325, 30979), (332, 31012), (345, 31066), (346, 31072), (380, 31192), (388, 31222), (394, 31243), (403, 31273),

Gene: Reindeer_35 Start: 30311, Stop: 31678, Start Num: 74

Candidate Starts for Reindeer_35:

(Start: 74 @30311 has 16 MA's), (77, 30320), (89, 30368), (98, 30395), (114, 30434), (148, 30572), (149, 30578), (150, 30581), (153, 30596), (159, 30614), (172, 30668), (173, 30674), (176, 30680), (177, 30683), (195, 30758), (287, 30860), (295, 30890), (304, 30917), (307, 30932), (322, 30977), (323, 30980), (328, 31007), (335, 31040), (340, 31076), (345, 31109), (359, 31163), (360, 31169), (365, 31199), (380, 31247), (384, 31271), (410, 31349), (442, 31463), (445, 31469), (451, 31490), (457, 31508), (463, 31523), (475, 31583), (478, 31619), (479, 31622), (485, 31658),

Gene: Renaud18_30 Start: 26514, Stop: 27722, Start Num: 135

Candidate Starts for Renaud18_30:

(Start: 135 @26514 has 38 MA's), (158, 26610), (164, 26634), (191, 26727), (192, 26730), (212, 26775), (238, 26904), (248, 26955), (262, 27066), (266, 27087), (322, 27369), (325, 27390), (346, 27486), (359, 27531), (373, 27576), (380, 27600), (396, 27660),

Gene: Renkei_42 Start: 39557, Stop: 41293, Start Num: 79

Candidate Starts for Renkei_42:

(Start: 79 @39557 has 30 MA's), (109, 39632), (115, 39650), (120, 39671), (125, 39686), (143, 39758), (165, 39851), (185, 39923), (192, 39947), (215, 40034), (217, 40049), (254, 40232), (265, 40313), (276, 40394), (280, 40418), (281, 40421), (292, 40463), (319, 40574), (322, 40583), (324, 40592), (339, 40688), (346, 40727), (367, 40796), (377, 40820), (383, 40847), (390, 40877), (414, 40955), (420, 40979), (425, 40997), (426, 41000), (433, 41024), (441, 41069), (466, 41153),

Gene: Rey_40 Start: 31173, Stop: 32588, Start Num: 55

Candidate Starts for Rey_40:

(Start: 55 @31173 has 6 MA's), (69, 31227), (71, 31233), (78, 31263), (89, 31299), (148, 31500), (160, 31530), (180, 31599), (182, 31614), (195, 31668), (202, 31686), (204, 31692), (295, 31803), (304, 31830), (307, 31845), (335, 31953), (343, 32004), (360, 32082), (410, 32259), (416, 32283), (418, 32286), (442, 32373), (445, 32379), (451, 32400), (463, 32433), (475, 32493), (484, 32556),

Gene: Rialto_34 Start: 28576, Stop: 29850, Start Num: 68

Candidate Starts for Rialto_34:

(Start: 68 @28576 has 188 MA's), (104, 28696), (128, 28768), (154, 28885), (155, 28888), (178, 28966), (200, 29047), (272, 29089), (286, 29167), (318, 29293), (319, 29299), (320, 29302), (328, 29338), (342, 29413), (349, 29455), (361, 29491), (362, 29494), (377, 29545), (379, 29554), (418, 29668), (432, 29710), (434, 29719), (451, 29776), (452, 29779),

Gene: Rita_31 Start: 26482, Stop: 27774, Start Num: 68

Candidate Starts for Rita_31:

(Start: 68 @26482 has 188 MA's), (104, 26602), (154, 26791), (155, 26794), (178, 26872), (200, 26953), (272, 26995), (286, 27073), (318, 27199), (319, 27205), (328, 27244), (338, 27304), (342, 27319), (349, 27361), (361, 27397), (362, 27400), (363, 27415), (377, 27451), (379, 27460), (418, 27574), (452, 27685),

Gene: Rita1961_46 Start: 40296, Stop: 41519, Start Num: 60

Candidate Starts for Rita1961_46:

(Start: 34 @40182 has 1 MA's), (35, 40185), (Start: 60 @40296 has 22 MA's), (Start: 66 @40317 has 1 MA's), (73, 40344), (76, 40359), (88, 40401), (Start: 110 @40452 has 1 MA's), (134, 40542), (141, 40557), (165, 40671), (194, 40773), (307, 40935), (318, 40980), (319, 40986), (320, 40989), (322, 40995), (328, 41025), (345, 41127), (361, 41184), (377, 41235), (384, 41271), (387, 41283), (395, 41316), (399, 41331), (453, 41481),

Gene: RitaG_31 Start: 26686, Stop: 27960, Start Num: 68

Candidate Starts for RitaG_31:

(Start: 68 @26686 has 188 MA's), (104, 26806), (154, 26995), (155, 26998), (178, 27076), (200, 27157), (272, 27199), (286, 27277), (318, 27403), (319, 27409), (328, 27448), (338, 27508), (342, 27523), (347, 27559), (349, 27565), (361, 27601), (363, 27619), (377, 27655), (379, 27664), (418, 27778), (432, 27820), (451, 27886), (452, 27889),

Gene: Rizal_239 Start: 140915, Stop: 142345, Start Num: 112

Candidate Starts for Rizal_239:

(Start: 112 @140915 has 181 MA's), (138, 141005), (152, 141068), (185, 141191), (192, 141215), (219, 141299), (230, 141341), (241, 141383), (265, 141548), (266, 141551), (318, 141806), (326, 141845), (332, 141875), (346, 141938), (351, 141959), (352, 141968), (354, 141971), (365, 142004), (371, 142019), (408, 142154), (431, 142229), (443, 142286), (444, 142289),

Gene: RoMag_245 Start: 142696, Stop: 144126, Start Num: 112

Candidate Starts for RoMag_245:

(Start: 112 @142696 has 181 MA's), (138, 142786), (139, 142789), (152, 142849), (185, 142972), (192, 142996), (219, 143080), (230, 143122), (241, 143164), (265, 143329), (266, 143332), (318, 143587), (326, 143626), (332, 143656), (346, 143719), (351, 143740), (352, 143749), (354, 143752), (365, 143785), (371, 143800), (408, 143935), (431, 144010), (443, 144067), (444, 144070),

Gene: Rocha_246 Start: 142261, Stop: 143691, Start Num: 112

Candidate Starts for Rocha_246:

(Start: 112 @142261 has 181 MA's), (138, 142351), (152, 142414), (185, 142537), (192, 142561), (219, 142645), (230, 142687), (241, 142729), (265, 142894), (266, 142897), (318, 143152), (326, 143191), (332, 143221), (346, 143284), (351, 143305), (352, 143314), (354, 143317), (365, 143350), (371, 143365), (408, 143500), (431, 143575), (444, 143635),

Gene: Rockne_30 Start: 26306, Stop: 27499, Start Num: 68

Candidate Starts for Rockne_30:

(Start: 68 @26306 has 188 MA's), (91, 26390), (141, 26540), (151, 26594), (187, 26735), (287, 26816), (318, 26942), (319, 26948), (342, 27062), (349, 27104), (361, 27140), (363, 27158), (377, 27194), (379, 27203), (418, 27317), (432, 27359), (434, 27368), (451, 27425), (452, 27428),

Gene: RockyHorror_31 Start: 26248, Stop: 27441, Start Num: 68

Candidate Starts for RockyHorror_31:

(Start: 68 @26248 has 188 MA's), (91, 26332), (141, 26482), (151, 26536), (187, 26677), (287, 26758), (318, 26884), (319, 26890), (328, 26929), (338, 26989), (342, 27004), (349, 27046), (361, 27082), (377, 27136), (379, 27145), (418, 27259), (432, 27301), (434, 27310), (451, 27367), (452, 27370),

Gene: RomaT_46 Start: 41044, Stop: 42309, Start Num: 50

Candidate Starts for RomaT_46:

(41, 41014), (Start: 45 @41032 has 10 MA's), (47, 41035), (Start: 50 @41044 has 15 MA's), (Start: 60 @41086 has 22 MA's), (Start: 66 @41107 has 1 MA's), (73, 41134), (76, 41149), (88, 41191), (Start: 110 @41242 has 1 MA's), (134, 41332), (141, 41347), (165, 41461), (194, 41563), (307, 41725), (318, 41770), (319, 41776), (320, 41779), (322, 41785), (328, 41815), (345, 41917), (361, 41974), (377, 42025), (384, 42061), (387, 42073), (395, 42106), (399, 42121), (453, 42271),

Gene: Ronan_246 Start: 141077, Stop: 142507, Start Num: 112

Candidate Starts for Ronan_246:

(93, 141035), (Start: 112 @141077 has 181 MA's), (138, 141167), (152, 141230), (185, 141353), (192, 141377), (219, 141461), (230, 141503), (241, 141545), (265, 141710), (266, 141713), (318, 141968), (326, 142007), (332, 142037), (346, 142100), (351, 142121), (352, 142130), (354, 142133), (365, 142166), (371, 142181), (408, 142316), (431, 142391), (444, 142451),

Gene: Roots515_253 Start: 144241, Stop: 145671, Start Num: 112

Candidate Starts for Roots515_253:

(Start: 112 @144241 has 181 MA's), (138, 144331), (152, 144394), (185, 144517), (192, 144541), (219, 144625), (230, 144667), (241, 144709), (265, 144874), (266, 144877), (318, 145132), (326, 145171), (332, 145201), (346, 145264), (351, 145285), (352, 145294), (354, 145297), (365, 145330), (371, 145345), (408, 145480), (431, 145555), (443, 145612), (444, 145615),

Gene: Rose5_25 Start: 24375, Stop: 25547, Start Num: 61

Candidate Starts for Rose5_25:

(54, 24345), (Start: 61 @24375 has 30 MA's), (194, 24822), (287, 24900), (296, 24945), (318, 25020), (328, 25065), (342, 25140), (345, 25167), (349, 25185), (361, 25221), (362, 25224), (379, 25284), (395, 25335), (399, 25350), (430, 25419), (436, 25443), (456, 25503),

Gene: RoseMarie_37 Start: 32244, Stop: 33611, Start Num: 74

Candidate Starts for RoseMarie_37:

(Start: 74 @32244 has 16 MA's), (89, 32301), (98, 32328), (114, 32367), (148, 32505), (150, 32514), (153, 32529), (159, 32547), (173, 32607), (176, 32613), (177, 32616), (195, 32691), (295, 32823), (304, 32850), (306, 32859), (323, 32913), (328, 32940), (335, 32973), (343, 33024), (359, 33096), (410, 33282), (445, 33402), (451, 33423), (457, 33441), (463, 33456), (471, 33486), (475, 33516), (478, 33552), (479, 33555), (485, 33591),

Gene: Rossetti_27 Start: 25358, Stop: 26527, Start Num: 61

Candidate Starts for Rossetti_27:

(Start: 61 @25358 has 30 MA's), (115, 25526), (137, 25610), (151, 25670), (193, 25799), (287, 25880), (318, 26000), (319, 26006), (345, 26147), (349, 26165), (361, 26201), (379, 26264), (429, 26396), (430, 26399), (436, 26423),

Gene: Royals2015_30 Start: 26424, Stop: 27614, Start Num: 68

Candidate Starts for Royals2015_30:

(14, 26151), (21, 26172), (Start: 68 @26424 has 188 MA's), (91, 26508), (141, 26658), (151, 26712), (174, 26805), (187, 26853), (287, 26931), (318, 27057), (319, 27063), (328, 27102), (338, 27162), (342, 27177), (349, 27219), (361, 27255), (362, 27258), (377, 27309), (379, 27318), (418, 27432), (432, 27474), (434, 27483), (451, 27540), (452, 27543),

Gene: Ruby_31 Start: 26444, Stop: 27691, Start Num: 68

Candidate Starts for Ruby_31:

(Start: 68 @26444 has 188 MA's), (104, 26564), (128, 26636), (154, 26753), (155, 26756), (178, 26834), (200, 26915), (272, 26957), (286, 27035), (318, 27161), (328, 27206), (338, 27266), (342, 27281), (349, 27323), (361, 27359), (377, 27413), (379, 27422), (418, 27536), (452, 27647),

Gene: Rumpelstiltskin_27 Start: 25354, Stop: 26523, Start Num: 61

Candidate Starts for Rumpelstiltskin_27:

(Start: 61 @25354 has 30 MA's), (115, 25522), (137, 25606), (151, 25666), (193, 25795), (287, 25876), (318, 25996), (319, 26002), (345, 26143), (349, 26161), (361, 26197), (379, 26260), (429, 26392), (430, 26395), (436, 26419),

Gene: Ryadel_70 Start: 43007, Stop: 44251, Start Num: 131

Candidate Starts for Ryadel_70:

(Start: 131 @43007 has 31 MA's), (144, 43043), (156, 43094), (157, 43100), (158, 43103), (199, 43250), (218, 43304), (240, 43397), (248, 43445), (262, 43553), (266, 43574), (322, 43862), (346, 43979), (353, 44012), (359, 44024), (373, 44075), (380, 44099), (396, 44159), (411, 44204),

Gene: SG4_30 Start: 26651, Stop: 27922, Start Num: 100

Candidate Starts for SG4_30:

(Start: 100 @26651 has 18 MA's), (142, 26768), (196, 26957), (198, 26960), (220, 27038), (239, 27119), (248, 27170), (252, 27209), (256, 27233), (266, 27296), (267, 27299), (280, 27404), (288, 27425), (301, 27488), (308, 27518), (322, 27575), (346, 27692), (353, 27725),

Gene: SVoro_245 Start: 142998, Stop: 144428, Start Num: 112

Candidate Starts for SVoro_245:

(Start: 112 @142998 has 181 MA's), (138, 143088), (152, 143151), (185, 143274), (192, 143298), (219, 143382), (230, 143424), (241, 143466), (265, 143631), (266, 143634), (318, 143889), (326, 143928), (332, 143958), (346, 144021), (351, 144042), (352, 144051), (354, 144054), (365, 144087), (371, 144102), (408, 144237), (431, 144312), (444, 144372),

Gene: Saal_30 Start: 26300, Stop: 27571, Start Num: 68

Candidate Starts for Saal_30:

(Start: 68 @26300 has 188 MA's), (104, 26417), (128, 26489), (154, 26606), (155, 26609), (178, 26687), (200, 26768), (272, 26810), (286, 26888), (318, 27014), (338, 27119), (342, 27134), (349, 27176), (361, 27212), (362, 27215), (377, 27266), (379, 27275), (418, 27389), (432, 27431), (434, 27440), (451, 27497), (452, 27500),

Gene: Sabbb_31 Start: 26645, Stop: 27916, Start Num: 68

Candidate Starts for Sabbb_31:

(Start: 68 @26645 has 188 MA's), (104, 26762), (128, 26834), (154, 26951), (155, 26954), (178, 27032), (200, 27113), (272, 27155), (286, 27233), (299, 27287), (318, 27359), (342, 27479), (349, 27521), (361, 27557), (377, 27611), (379, 27620), (418, 27734), (432, 27776), (434, 27785), (451, 27842), (452, 27845),

Gene: Saguaro_49 Start: 41855, Stop: 43441, Start Num: 96

Candidate Starts for Saguaro_49:

(56, 41702), (62, 41720), (63, 41723), (65, 41735), (72, 41759), (85, 41813), (Start: 96 @41855 has 4 MA's), (Start: 102 @41864 has 1 MA's), (133, 41969), (138, 41981), (162, 42083), (167, 42110), (183, 42155), (185, 42167), (201, 42221), (252, 42464), (254, 42479), (265, 42545), (277, 42632), (300, 42731), (319, 42794), (322, 42803), (344, 42929), (346, 42941), (367, 43013), (377, 43037), (383, 43064), (390, 43094), (392, 43100), (420, 43196), (425, 43214), (426, 43217), (450, 43313),

Gene: Salacia_252 Start: 144565, Stop: 145995, Start Num: 112

Candidate Starts for Salacia_252:

(Start: 112 @144565 has 181 MA's), (138, 144655), (152, 144718), (185, 144841), (192, 144865), (219, 144949), (230, 144991), (241, 145033), (265, 145198), (266, 145201), (318, 145456), (326, 145495), (332, 145525), (346, 145588), (351, 145609), (352, 145618), (354, 145621), (365, 145654), (371, 145669), (408, 145804), (431, 145879), (443, 145936), (444, 145939),

Gene: Sandalphon_31 Start: 27031, Stop: 28302, Start Num: 68

Candidate Starts for Sandalphon_31:

(Start: 68 @27031 has 188 MA's), (104, 27148), (128, 27220), (154, 27337), (155, 27340), (178, 27418), (200, 27499), (272, 27541), (286, 27619), (318, 27745), (319, 27751), (320, 27754), (342, 27865), (349, 27907), (362, 27946), (363, 27961), (377, 27997), (379, 28006), (418, 28120), (432, 28162), (451, 28228), (452, 28231),

Gene: Sarma624_26 Start: 22498, Stop: 23733, Start Num: 68

Candidate Starts for Sarma624_26:

(Start: 68 @22498 has 188 MA's), (104, 22618), (128, 22690), (154, 22807), (155, 22810), (178, 22888), (200, 22969), (272, 23011), (286, 23089), (318, 23215), (319, 23221), (328, 23260), (338, 23320), (342, 23335), (349, 23377), (361, 23413), (362, 23416), (377, 23467), (379, 23476), (418, 23590), (452, 23701), (460, 23722),

Gene: Sassafras_30 Start: 26444, Stop: 27607, Start Num: 68

Candidate Starts for Sassafras_30:

(Start: 68 @26444 has 188 MA's), (91, 26528), (141, 26678), (151, 26732), (187, 26873), (287, 26951), (318, 27077), (319, 27083), (328, 27122), (338, 27182), (342, 27197), (349, 27239), (361, 27275), (362, 27278), (377, 27329), (379, 27338), (418, 27452),

Gene: SassyB_30 Start: 26544, Stop: 27830, Start Num: 100

Candidate Starts for SassyB_30:

(28, 26271), (33, 26292), (Start: 100 @26544 has 18 MA's), (142, 26664), (157, 26736), (196, 26853), (198, 26856), (227, 26958), (239, 27015), (248, 27069), (256, 27132), (266, 27195), (267, 27198), (284, 27312), (288, 27324), (301, 27387), (322, 27474), (327, 27501), (346, 27591), (351, 27612), (353, 27624), (359, 27636), (364, 27660), (389, 27741), (398, 27774),

Gene: Sauce_247 Start: 142424, Stop: 143854, Start Num: 112

Candidate Starts for Sauce_247:

(Start: 112 @142424 has 181 MA's), (138, 142514), (152, 142577), (185, 142700), (192, 142724), (219, 142808), (230, 142850), (241, 142892), (265, 143057), (266, 143060), (318, 143315), (326, 143354), (332, 143384), (346, 143447), (351, 143468), (352, 143477), (354, 143480), (365, 143513), (371, 143528), (408, 143663), (431, 143738), (443, 143795), (444, 143798),

Gene: SchoolBus_66 Start: 42191, Stop: 43411, Start Num: 131

Candidate Starts for SchoolBus_66:

(82, 42038), (83, 42041), (87, 42053), (106, 42107), (108, 42110), (Start: 131 @42191 has 31 MA's), (144, 42227), (156, 42278), (157, 42284), (199, 42434), (218, 42488), (240, 42581), (248, 42629), (262, 42737), (266, 42758), (322, 43046), (346, 43163), (353, 43196), (359, 43208), (373, 43259), (380, 43283), (396, 43343), (411, 43388),

Gene: Schuy_67 Start: 41982, Stop: 43202, Start Num: 131

Candidate Starts for Schuy_67:

(Start: 131 @41982 has 31 MA's), (144, 42018), (156, 42069), (157, 42075), (199, 42225), (218, 42279), (240, 42372), (248, 42420), (262, 42528), (266, 42549), (322, 42837), (346, 42954), (353, 42987), (359, 42999), (373, 43050), (380, 43074), (396, 43134), (411, 43179),

Gene: ScottMcG_242 Start: 141625, Stop: 143055, Start Num: 112

Candidate Starts for ScottMcG_242:

(Start: 112 @141625 has 181 MA's), (138, 141715), (152, 141778), (185, 141901), (192, 141925), (219, 142009), (230, 142051), (241, 142093), (265, 142258), (266, 142261), (318, 142516), (326, 142555), (332, 142585), (346, 142648), (351, 142669), (352, 142678), (354, 142681), (365, 142714), (371, 142729), (408, 142864), (431, 142939), (443, 142996), (444, 142999),

Gene: Scottish_31 Start: 27627, Stop: 28820, Start Num: 68

Candidate Starts for Scottish_31:

(Start: 68 @27627 has 188 MA's), (91, 27711), (141, 27861), (151, 27915), (187, 28056), (287, 28137), (318, 28263), (319, 28269), (320, 28272), (342, 28383), (349, 28425), (361, 28461), (377, 28515), (379, 28524), (418, 28638), (432, 28680), (434, 28689), (451, 28746), (452, 28749),

Gene: SeaLumen_33 Start: 26505, Stop: 27698, Start Num: 68

Candidate Starts for SeaLumen_33:

(14, 26232), (21, 26253), (Start: 68 @26505 has 188 MA's), (91, 26589), (141, 26739), (151, 26793), (187, 26934), (287, 27015), (318, 27141), (319, 27147), (328, 27186), (338, 27246), (342, 27261), (349, 27303), (361, 27339), (362, 27342), (363, 27357), (377, 27393), (379, 27402), (418, 27516), (432, 27558), (434, 27567), (451, 27624), (452, 27627),

Gene: Seabastian_30 Start: 26535, Stop: 27728, Start Num: 68

Candidate Starts for Seabastian_30:

(Start: 68 @26535 has 188 MA's), (91, 26619), (141, 26769), (151, 26823), (187, 26964), (287, 27045), (318, 27171), (338, 27276), (342, 27291), (349, 27333), (361, 27369), (362, 27372), (377, 27423), (379, 27432), (418, 27546), (432, 27588), (434, 27597), (451, 27654), (452, 27657),

Gene: Seagreen_31 Start: 26351, Stop: 27637, Start Num: 100

Candidate Starts for Seagreen_31:

(28, 26078), (33, 26099), (Start: 100 @26351 has 18 MA's), (142, 26471), (157, 26543), (196, 26660), (198, 26663), (227, 26765), (239, 26822), (248, 26876), (256, 26939), (266, 27002), (267, 27005), (284, 27119), (288, 27131), (301, 27194), (322, 27281), (327, 27308), (346, 27398), (351, 27419), (353, 27431), (359, 27443), (364, 27467), (389, 27548), (398, 27581),

Gene: Sebata_250 Start: 143284, Stop: 144714, Start Num: 112

Candidate Starts for Sebata_250:

(Start: 112 @143284 has 181 MA's), (138, 143374), (152, 143437), (185, 143560), (192, 143584), (219, 143668), (230, 143710), (241, 143752), (265, 143917), (266, 143920), (318, 144175), (326, 144214), (332, 144244), (346, 144307), (351, 144328), (352, 144337), (354, 144340), (365, 144373), (371, 144388), (408, 144523), (431, 144598), (444, 144658),

Gene: Shaqnato_241 Start: 141833, Stop: 143263, Start Num: 112

Candidate Starts for Shaqnato_241:

(Start: 112 @141833 has 181 MA's), (138, 141923), (152, 141986), (185, 142109), (192, 142133), (219, 142217), (230, 142259), (241, 142301), (265, 142466), (266, 142469), (318, 142724), (326, 142763), (332, 142793), (346, 142856), (351, 142877), (352, 142886), (354, 142889), (365, 142922), (371, 142937), (408, 143072), (431, 143147), (444, 143207),

Gene: Shauna1_27 Start: 25506, Stop: 26660, Start Num: 68

Candidate Starts for Shauna1_27:

(14, 25233), (21, 25254), (Start: 68 @25506 has 188 MA's), (91, 25590), (141, 25740), (151, 25794), (187, 25935), (287, 26016), (318, 26142), (319, 26148), (328, 26187), (338, 26247), (342, 26262), (349, 26304), (361, 26340), (362, 26343), (377, 26394), (379, 26403), (418, 26517), (452, 26628), (460, 26649),

Gene: Shelob_251 Start: 144559, Stop: 145989, Start Num: 112

Candidate Starts for Shelob_251:

(Start: 112 @144559 has 181 MA's), (138, 144649), (152, 144712), (185, 144835), (192, 144859), (219, 144943), (230, 144985), (241, 145027), (265, 145192), (266, 145195), (318, 145450), (326, 145489), (332, 145519), (346, 145582), (351, 145603), (352, 145612), (354, 145615), (365, 145648), (371, 145663), (408, 145798), (431, 145873), (443, 145930), (444, 145933),

Gene: Shenandoah_46 Start: 40243, Stop: 41508, Start Num: 50

Candidate Starts for Shenandoah_46:

(41, 40213), (Start: 45 @40231 has 10 MA's), (47, 40234), (Start: 50 @40243 has 15 MA's), (Start: 60 @40285 has 22 MA's), (Start: 66 @40306 has 1 MA's), (73, 40333), (76, 40348), (88, 40390), (Start: 110 @40441 has 1 MA's), (134, 40531), (141, 40546), (165, 40660), (194, 40762), (307, 40924), (318, 40969), (319, 40975), (320, 40978), (322, 40984), (328, 41014), (345, 41116), (361, 41173), (377, 41224), (384, 41260), (387, 41272), (395, 41305), (399, 41320), (453, 41470),

Gene: Sheng711_25 Start: 24174, Stop: 25346, Start Num: 61

Candidate Starts for Sheng711_25:

(Start: 61 @24174 has 30 MA's), (Start: 64 @24183 has 1 MA's), (165, 24549), (193, 24618), (287, 24699), (318, 24819), (345, 24966), (349, 24984), (361, 25020), (379, 25083), (399, 25149), (429, 25215), (430, 25218),

Gene: ShiLan_30 Start: 26544, Stop: 27740, Start Num: 135

Candidate Starts for ShiLan_30:

(Start: 135 @26544 has 38 MA's), (156, 26628), (199, 26778), (218, 26832), (240, 26925), (248, 26973), (262, 27084), (266, 27105), (322, 27387), (325, 27408), (346, 27504), (359, 27549), (373, 27594), (380, 27618), (396, 27678),

Gene: ShiaLabeouf_248 Start: 142418, Stop: 143848, Start Num: 112

Candidate Starts for ShiaLabeouf_248:

(Start: 112 @142418 has 181 MA's), (138, 142508), (152, 142571), (185, 142694), (192, 142718), (219, 142802), (230, 142844), (241, 142886), (265, 143051), (266, 143054), (318, 143309), (326,

143348), (332, 143378), (346, 143441), (351, 143462), (352, 143471), (354, 143474), (365, 143507), (371, 143522), (408, 143657), (431, 143732), (443, 143789), (444, 143792),

Gene: Shida_66 Start: 41889, Stop: 43109, Start Num: 131

Candidate Starts for Shida_66:

(Start: 131 @41889 has 31 MA's), (144, 41925), (156, 41976), (157, 41982), (158, 41985), (199, 42132), (218, 42186), (240, 42279), (248, 42327), (262, 42435), (266, 42456), (322, 42744), (346, 42861), (353, 42894), (359, 42906), (373, 42957), (380, 42981), (396, 43041), (411, 43086),

Gene: Shifa_226 Start: 141892, Stop: 143322, Start Num: 112

Candidate Starts for Shifa_226:

(Start: 112 @141892 has 181 MA's), (138, 141982), (152, 142045), (185, 142168), (192, 142192), (219, 142276), (230, 142318), (241, 142360), (265, 142525), (266, 142528), (318, 142783), (326, 142822), (332, 142852), (346, 142915), (351, 142936), (352, 142945), (354, 142948), (365, 142981), (371, 142996), (408, 143131), (431, 143206), (444, 143266),

Gene: Shnickers_249 Start: 142482, Stop: 143912, Start Num: 112

Candidate Starts for Shnickers_249:

(Start: 112 @142482 has 181 MA's), (138, 142572), (152, 142635), (185, 142758), (192, 142782), (219, 142866), (230, 142908), (241, 142950), (265, 143115), (266, 143118), (318, 143373), (326, 143412), (332, 143442), (346, 143505), (351, 143526), (352, 143535), (354, 143538), (365, 143571), (371, 143586), (408, 143721), (431, 143796), (443, 143853), (444, 143856),

Gene: ShowerHandel_30 Start: 26503, Stop: 27699, Start Num: 135

Candidate Starts for ShowerHandel_30:

(Start: 135 @26503 has 38 MA's), (156, 26587), (199, 26737), (218, 26791), (240, 26884), (248, 26932), (262, 27043), (266, 27064), (322, 27346), (325, 27367), (346, 27463), (359, 27508), (373, 27553), (380, 27577), (396, 27637),

Gene: Shrimp_253 Start: 144176, Stop: 145606, Start Num: 112

Candidate Starts for Shrimp_253:

(Start: 112 @144176 has 181 MA's), (138, 144266), (152, 144329), (185, 144452), (192, 144476), (219, 144560), (230, 144602), (241, 144644), (265, 144809), (266, 144812), (318, 145067), (326, 145106), (332, 145136), (346, 145199), (351, 145220), (352, 145229), (354, 145232), (365, 145265), (371, 145280), (408, 145415), (431, 145490), (443, 145547), (444, 145550),

Gene: ShroomBoi_27 Start: 25443, Stop: 26597, Start Num: 68

Candidate Starts for ShroomBoi_27:

(Start: 68 @25443 has 188 MA's), (91, 25527), (141, 25677), (151, 25731), (187, 25872), (287, 25953), (318, 26079), (319, 26085), (328, 26124), (338, 26184), (342, 26199), (349, 26241), (361, 26277), (362, 26280), (377, 26331), (379, 26340), (418, 26454), (452, 26565), (460, 26586),

Gene: SiSi_30 Start: 26302, Stop: 27498, Start Num: 135

Candidate Starts for SiSi_30:

(Start: 135 @26302 has 38 MA's), (156, 26386), (199, 26536), (218, 26590), (240, 26683), (248, 26731), (262, 26842), (266, 26863), (322, 27145), (325, 27166), (346, 27262), (359, 27307), (373, 27352), (380, 27376), (396, 27436),

Gene: SilverChicken_37 Start: 26253, Stop: 27422, Start Num: 68

Candidate Starts for SilverChicken_37:

(Start: 68 @26253 has 188 MA's), (91, 26337), (141, 26487), (151, 26541), (174, 26634), (187, 26682), (307, 26859), (318, 26901), (320, 26910), (345, 27048), (452, 27390), (461, 27411),

Gene: SilverDipper_255 Start: 143218, Stop: 144648, Start Num: 112

Candidate Starts for SilverDipper_255:

(Start: 112 @143218 has 181 MA's), (138, 143308), (152, 143371), (185, 143494), (192, 143518), (219, 143602), (230, 143644), (241, 143686), (265, 143851), (266, 143854), (318, 144109), (326, 144148), (332, 144178), (346, 144241), (351, 144262), (352, 144271), (354, 144274), (365, 144307), (371, 144322), (408, 144457), (431, 144532), (443, 144589), (444, 144592),

Gene: Silverleaf_25 Start: 24375, Stop: 25547, Start Num: 61

Candidate Starts for Silverleaf_25:

(54, 24345), (Start: 61 @24375 has 30 MA's), (194, 24822), (287, 24900), (296, 24945), (318, 25020), (328, 25065), (342, 25140), (345, 25167), (349, 25185), (361, 25221), (362, 25224), (379, 25284), (395, 25335), (399, 25350), (430, 25419), (436, 25443), (456, 25503),

Gene: SimranZ1_33 Start: 26526, Stop: 27818, Start Num: 68

Candidate Starts for SimranZ1_33:

(Start: 68 @26526 has 188 MA's), (104, 26646), (128, 26718), (154, 26835), (155, 26838), (178, 26916), (200, 26997), (272, 27039), (307, 27216), (318, 27258), (320, 27267), (349, 27423), (418, 27636), (432, 27678), (434, 27687), (451, 27744), (452, 27747),

Gene: Skinny_36 Start: 30228, Stop: 31595, Start Num: 74

Candidate Starts for Skinny_36:

(Start: 74 @30228 has 16 MA's), (89, 30285), (98, 30312), (114, 30351), (148, 30489), (153, 30513), (173, 30591), (176, 30597), (177, 30600), (195, 30675), (295, 30807), (304, 30834), (306, 30843), (323, 30897), (328, 30924), (333, 30954), (343, 31008), (359, 31080), (410, 31266), (445, 31386), (451, 31407), (457, 31425), (463, 31440), (471, 31470), (475, 31500), (478, 31536), (479, 31539), (485, 31575),

Gene: Slim_32 Start: 27698, Stop: 28891, Start Num: 68

Candidate Starts for Slim_32:

(Start: 68 @27698 has 188 MA's), (91, 27782), (141, 27932), (151, 27986), (187, 28127), (287, 28208), (318, 28334), (319, 28340), (320, 28343), (328, 28379), (342, 28454), (349, 28496), (361, 28532), (379, 28595), (418, 28709), (432, 28751), (434, 28760), (451, 28817), (452, 28820),

Gene: SlimJimmy_34 Start: 29782, Stop: 31149, Start Num: 74

Candidate Starts for SlimJimmy_34:

(Start: 74 @29782 has 16 MA's), (89, 29839), (98, 29866), (105, 29881), (113, 29902), (114, 29905), (148, 30043), (153, 30067), (173, 30145), (176, 30151), (177, 30154), (195, 30229), (295, 30361), (304, 30388), (306, 30397), (323, 30451), (328, 30478), (333, 30508), (343, 30562), (359, 30634), (410, 30820), (445, 30940), (451, 30961), (457, 30979), (463, 30994), (471, 31024), (475, 31054), (478, 31090), (479, 31093), (485, 31129),

Gene: SlippinJimmy_46 Start: 41078, Stop: 42301, Start Num: 60

Candidate Starts for SlippinJimmy_46:

(Start: 34 @40964 has 1 MA's), (35, 40967), (Start: 60 @41078 has 22 MA's), (Start: 66 @41099 has 1 MA's), (73, 41126), (76, 41141), (88, 41183), (Start: 110 @41234 has 1 MA's), (134, 41324), (141, 41339), (165, 41453), (194, 41555), (307, 41717), (318, 41762), (319, 41768), (320, 41771), (322, 41777), (328, 41807), (345, 41909), (361, 41966), (377, 42017), (384, 42053), (387, 42065), (395, 42098), (399, 42113), (453, 42263),

Gene: SmallFry_251 Start: 142576, Stop: 144006, Start Num: 112

Candidate Starts for SmallFry_251:

(Start: 112 @142576 has 181 MA's), (138, 142666), (152, 142729), (185, 142852), (192, 142876), (219, 142960), (230, 143002), (241, 143044), (265, 143209), (266, 143212), (318, 143467), (326,

143506), (332, 143536), (346, 143599), (351, 143620), (352, 143629), (354, 143632), (365, 143665), (371, 143680), (408, 143815), (431, 143890), (443, 143947), (444, 143950),

Gene: Smooch_69 Start: 43911, Stop: 45155, Start Num: 131

Candidate Starts for Smooch_69:

(Start: 131 @43911 has 31 MA's), (144, 43947), (156, 43998), (157, 44004), (158, 44007), (199, 44154), (218, 44208), (240, 44301), (248, 44349), (262, 44457), (266, 44478), (322, 44766), (346, 44883), (353, 44916), (359, 44928), (373, 44979), (380, 45003), (396, 45063), (411, 45108),

Gene: SoJulia_28 Start: 25347, Stop: 26516, Start Num: 61

Candidate Starts for SoJulia_28:

(Start: 61 @25347 has 30 MA's), (115, 25515), (137, 25599), (151, 25659), (193, 25788), (287, 25869), (318, 25989), (319, 25995), (345, 26136), (349, 26154), (361, 26190), (379, 26253), (429, 26385), (430, 26388), (436, 26412),

Gene: SoilZilla_243 Start: 141720, Stop: 143150, Start Num: 112

Candidate Starts for SoilZilla_243:

(93, 141678), (Start: 112 @141720 has 181 MA's), (138, 141810), (152, 141873), (185, 141996), (192, 142020), (219, 142104), (230, 142146), (241, 142188), (265, 142353), (266, 142356), (318, 142611), (326, 142650), (332, 142680), (346, 142743), (351, 142764), (352, 142773), (354, 142776), (365, 142809), (371, 142824), (408, 142959), (431, 143034), (444, 143094),

Gene: Soul22_34 Start: 25851, Stop: 27032, Start Num: 68

Candidate Starts for Soul22_34:

(Start: 68 @25851 has 188 MA's), (91, 25935), (141, 26085), (151, 26139), (187, 26280), (307, 26457), (318, 26499), (320, 26508), (349, 26664), (418, 26877), (452, 26988),

Gene: Sparkdehlily_30 Start: 26346, Stop: 27617, Start Num: 68

Candidate Starts for Sparkdehlily_30:

(Start: 68 @26346 has 188 MA's), (104, 26463), (128, 26535), (154, 26652), (155, 26655), (178, 26733), (200, 26814), (272, 26856), (286, 26934), (318, 27060), (338, 27165), (342, 27180), (349, 27222), (361, 27258), (362, 27261), (377, 27312), (379, 27321), (418, 27435), (432, 27477), (434, 27486), (451, 27543), (452, 27546),

Gene: Spartacus_32 Start: 26738, Stop: 28030, Start Num: 68

Candidate Starts for Spartacus_32:

(Start: 68 @26738 has 188 MA's), (104, 26858), (154, 27047), (155, 27050), (178, 27128), (200, 27209), (272, 27251), (286, 27329), (318, 27455), (319, 27461), (328, 27500), (338, 27560), (342, 27575), (347, 27611), (349, 27617), (361, 27653), (363, 27671), (377, 27707), (379, 27716), (418, 27830), (452, 27941),

Gene: Spec_244 Start: 142588, Stop: 144018, Start Num: 112

Candidate Starts for Spec_244:

(Start: 112 @142588 has 181 MA's), (138, 142678), (152, 142741), (185, 142864), (192, 142888), (219, 142972), (230, 143014), (241, 143056), (265, 143221), (266, 143224), (318, 143479), (326, 143518), (332, 143548), (346, 143611), (351, 143632), (352, 143641), (354, 143644), (365, 143677), (371, 143692), (408, 143827), (431, 143902), (443, 143959), (444, 143962),

Gene: Specks_255 Start: 143516, Stop: 144946, Start Num: 112

Candidate Starts for Specks_255:

(Start: 112 @143516 has 181 MA's), (138, 143606), (152, 143669), (185, 143792), (192, 143816), (219, 143900), (230, 143942), (241, 143984), (265, 144149), (266, 144152), (318, 144407), (326, 144446), (332, 144476), (346, 144539), (351, 144560), (352, 144569), (354, 144572), (365, 144605),

(371, 144620), (408, 144755), (431, 144830), (443, 144887), (444, 144890),

Gene: Spikelee_32 Start: 26496, Stop: 27770, Start Num: 68

Candidate Starts for Spikelee_32:

(Start: 68 @26496 has 188 MA's), (104, 26616), (128, 26688), (154, 26805), (155, 26808), (178, 26886), (200, 26967), (272, 27009), (286, 27087), (318, 27213), (319, 27219), (320, 27222), (328, 27258), (333, 27288), (338, 27318), (342, 27333), (349, 27375), (361, 27411), (362, 27414), (377, 27465), (379, 27474), (418, 27588), (432, 27630), (434, 27639), (451, 27696), (452, 27699),

Gene: Spoonbill_30 Start: 26510, Stop: 27781, Start Num: 68

Candidate Starts for Spoonbill_30:

(Start: 68 @26510 has 188 MA's), (104, 26627), (128, 26699), (154, 26816), (155, 26819), (178, 26897), (200, 26978), (272, 27020), (286, 27098), (318, 27224), (338, 27329), (342, 27344), (349, 27386), (361, 27422), (362, 27425), (377, 27476), (379, 27485), (418, 27599), (432, 27641), (434, 27650), (451, 27707), (452, 27710),

Gene: Sprinklers_248 Start: 142284, Stop: 143714, Start Num: 112

Candidate Starts for Sprinklers_248:

(Start: 112 @142284 has 181 MA's), (138, 142374), (152, 142437), (185, 142560), (192, 142584), (219, 142668), (230, 142710), (241, 142752), (265, 142917), (266, 142920), (318, 143175), (326, 143214), (332, 143244), (346, 143307), (351, 143328), (352, 143337), (354, 143340), (365, 143373), (371, 143388), (408, 143523), (431, 143598), (443, 143655), (444, 143658),

Gene: Spud_242 Start: 142033, Stop: 143463, Start Num: 112

Candidate Starts for Spud_242:

(Start: 112 @142033 has 181 MA's), (138, 142123), (152, 142186), (185, 142309), (192, 142333), (219, 142417), (230, 142459), (241, 142501), (265, 142666), (266, 142669), (318, 142924), (326, 142963), (332, 142993), (346, 143056), (351, 143077), (352, 143086), (354, 143089), (365, 143122), (371, 143137), (408, 143272), (431, 143347), (443, 143404), (444, 143407),

Gene: SrishMeg2525_248 Start: 143671, Stop: 145101, Start Num: 112

Candidate Starts for SrishMeg2525_248:

(Start: 112 @143671 has 181 MA's), (138, 143761), (152, 143824), (185, 143947), (192, 143971), (219, 144055), (230, 144097), (241, 144139), (265, 144304), (266, 144307), (318, 144562), (326, 144601), (332, 144631), (346, 144694), (351, 144715), (352, 144724), (354, 144727), (365, 144760), (371, 144775), (408, 144910), (431, 144985), (443, 145042), (444, 145045),

Gene: StAnnes_28 Start: 26065, Stop: 27231, Start Num: 68

Candidate Starts for StAnnes_28:

(6, 25657), (20, 25801), (Start: 68 @26065 has 188 MA's), (91, 26149), (141, 26299), (151, 26353), (187, 26494), (287, 26575), (318, 26701), (319, 26707), (328, 26746), (338, 26806), (342, 26821), (349, 26863), (361, 26899), (362, 26902), (377, 26953), (379, 26962), (418, 27076), (452, 27187),

Gene: StAugustine_53 Start: 44382, Stop: 45980, Start Num: 79

Candidate Starts for StAugustine_53:

(Start: 79 @44382 has 30 MA's), (94, 44430), (125, 44499), (162, 44601), (170, 44640), (183, 44679), (185, 44691), (214, 44793), (228, 44868), (246, 44946), (265, 45102), (276, 45183), (280, 45207), (281, 45210), (283, 45213), (322, 45372), (323, 45375), (324, 45381), (346, 45516), (355, 45555), (367, 45591), (377, 45615), (424, 45789), (433, 45822), (465, 45936), (474, 45969),

Gene: Stap_31 Start: 26476, Stop: 27678, Start Num: 68

Candidate Starts for Stap_31:

(Start: 68 @26476 has 188 MA's), (91, 26560), (141, 26710), (151, 26764), (187, 26905), (287, 26983), (318, 27109), (319, 27115), (328, 27154), (338, 27214), (342, 27229), (349, 27271), (361, 27307), (362, 27310), (377, 27361), (379, 27370), (432, 27535), (436, 27553), (452, 27604), (456, 27613),

Gene: Starcevich_33 Start: 26624, Stop: 28400, Start Num: 68

Candidate Starts for Starcevich_33:

(Start: 68 @26624 has 188 MA's), (91, 26708), (151, 26912), (187, 27053), (195, 27086), (207, 27134), (210, 27233), (269, 27626), (302, 27779), (321, 27857), (334, 27920), (341, 27959), (381, 28112), (393, 28148),

Gene: StephanieG_244 Start: 143219, Stop: 144649, Start Num: 112

Candidate Starts for StephanieG_244:

(Start: 112 @143219 has 181 MA's), (138, 143309), (139, 143312), (152, 143372), (185, 143495), (192, 143519), (219, 143603), (230, 143645), (241, 143687), (265, 143852), (266, 143855), (318, 144110), (326, 144149), (332, 144179), (346, 144242), (351, 144263), (352, 144272), (354, 144275), (365, 144308), (371, 144323), (408, 144458), (431, 144533), (443, 144590), (444, 144593),

Gene: Stinger_42 Start: 39109, Stop: 40842, Start Num: 79

Candidate Starts for Stinger_42:

(53, 39013), (Start: 79 @39109 has 30 MA's), (105, 39178), (115, 39202), (120, 39223), (121, 39226), (125, 39238), (143, 39310), (165, 39403), (185, 39475), (192, 39499), (217, 39601), (255, 39790), (265, 39865), (276, 39946), (280, 39970), (281, 39973), (292, 40015), (319, 40126), (322, 40135), (346, 40279), (367, 40345), (377, 40369), (383, 40396), (390, 40426), (412, 40501), (425, 40546), (433, 40573), (446, 40636),

Gene: Strokeseat_30 Start: 26586, Stop: 27752, Start Num: 68

Candidate Starts for Strokeseat_30:

(14, 26313), (17, 26316), (Start: 68 @26586 has 188 MA's), (91, 26670), (141, 26820), (151, 26874), (187, 27015), (287, 27096), (318, 27222), (319, 27228), (328, 27267), (342, 27342), (349, 27384), (361, 27420), (363, 27438), (377, 27474), (379, 27483), (418, 27597),

Gene: Stubby_233 Start: 140004, Stop: 141434, Start Num: 112

Candidate Starts for Stubby_233:

(93, 139962), (Start: 112 @140004 has 181 MA's), (138, 140094), (152, 140157), (185, 140280), (192, 140304), (219, 140388), (230, 140430), (241, 140472), (265, 140637), (266, 140640), (318, 140895), (326, 140934), (332, 140964), (346, 141027), (351, 141048), (352, 141057), (354, 141060), (365, 141093), (371, 141108), (408, 141243), (431, 141318), (444, 141378),

Gene: StubbySaigey_257 Start: 143201, Stop: 144631, Start Num: 112

Candidate Starts for StubbySaigey_257:

(Start: 112 @143201 has 181 MA's), (138, 143291), (152, 143354), (185, 143477), (192, 143501), (219, 143585), (230, 143627), (241, 143669), (265, 143834), (266, 143837), (318, 144092), (326, 144131), (332, 144161), (346, 144224), (351, 144245), (352, 144254), (354, 144257), (365, 144290), (371, 144305), (408, 144440), (431, 144515), (443, 144572), (444, 144575),

Gene: Substance289_246 Start: 142624, Stop: 144054, Start Num: 112

Candidate Starts for Substance289_246:

(Start: 112 @142624 has 181 MA's), (138, 142714), (152, 142777), (185, 142900), (192, 142924), (219, 143008), (230, 143050), (241, 143092), (265, 143257), (266, 143260), (318, 143515), (326, 143554), (332, 143584), (346, 143647), (351, 143668), (352, 143677), (354, 143680), (365, 143713), (371, 143728), (408, 143863), (431, 143938), (443, 143995), (444, 143998),

Gene: SuperGrey_31 Start: 27204, Stop: 28496, Start Num: 68

Candidate Starts for SuperGrey_31:

(Start: 68 @27204 has 188 MA's), (104, 27324), (154, 27513), (155, 27516), (178, 27594), (200, 27675), (272, 27717), (286, 27795), (318, 27921), (319, 27927), (328, 27966), (338, 28026), (342, 28041), (349, 28083), (361, 28119), (362, 28122), (363, 28137), (377, 28173), (379, 28182), (418, 28296), (452, 28407),

Gene: SuperSonics_40 Start: 33575, Stop: 34966, Start Num: 51

Candidate Starts for SuperSonics_40:

(Start: 51 @33575 has 3 MA's), (Start: 60 @33614 has 22 MA's), (70, 33650), (84, 33710), (92, 33740), (130, 33857), (140, 33881), (166, 33998), (181, 34043), (274, 34118), (276, 34127), (299, 34214), (322, 34286), (337, 34373), (342, 34391), (356, 34463), (361, 34475), (377, 34529), (380, 34541), (384, 34565), (407, 34643), (417, 34676), (423, 34691), (439, 34760), (456, 34799), (468, 34838), (474, 34859), (486, 34958),

Gene: SwagPiggett_30 Start: 26314, Stop: 27510, Start Num: 135

Candidate Starts for SwagPiggett_30:

(Start: 135 @26314 has 38 MA's), (156, 26398), (199, 26548), (218, 26602), (240, 26695), (248, 26743), (262, 26854), (266, 26875), (322, 27157), (325, 27178), (346, 27274), (359, 27319), (373, 27364), (380, 27388), (396, 27448),

Gene: SwainyDoc_46 Start: 40308, Stop: 41531, Start Num: 60

Candidate Starts for SwainyDoc_46:

(41, 40236), (Start: 45 @40254 has 10 MA's), (47, 40257), (Start: 50 @40266 has 15 MA's), (Start: 60 @40308 has 22 MA's), (Start: 66 @40329 has 1 MA's), (73, 40356), (76, 40371), (88, 40413), (Start: 110 @40464 has 1 MA's), (134, 40554), (141, 40569), (165, 40683), (194, 40785), (307, 40947), (318, 40992), (319, 40998), (320, 41001), (322, 41007), (328, 41037), (345, 41139), (361, 41196), (377, 41247), (384, 41283), (387, 41295), (395, 41328), (399, 41343), (453, 41493),

Gene: SynergyX_46 Start: 40271, Stop: 41536, Start Num: 50

Candidate Starts for SynergyX_46:

(41, 40241), (Start: 45 @40259 has 10 MA's), (47, 40262), (Start: 50 @40271 has 15 MA's), (Start: 60 @40313 has 22 MA's), (Start: 66 @40334 has 1 MA's), (73, 40361), (76, 40376), (88, 40418), (Start: 110 @40469 has 1 MA's), (134, 40559), (141, 40574), (165, 40688), (194, 40790), (307, 40952), (318, 40997), (319, 41003), (320, 41006), (322, 41012), (328, 41042), (345, 41144), (361, 41201), (377, 41252), (384, 41288), (387, 41300), (395, 41333), (399, 41348), (453, 41498),

Gene: TChen_30 Start: 26827, Stop: 28125, Start Num: 100

Candidate Starts for TChen_30:

(Start: 100 @26827 has 18 MA's), (124, 26899), (142, 26947), (144, 26965), (157, 27019), (196, 27136), (198, 27139), (227, 27241), (239, 27298), (248, 27352), (266, 27478), (267, 27481), (284, 27595), (288, 27607), (301, 27670), (322, 27766), (346, 27883), (353, 27916), (359, 27928), (372, 27973), (382, 28012), (389, 28033), (398, 28066), (411, 28105),

Gene: TDanisky_30 Start: 26346, Stop: 27617, Start Num: 68

Candidate Starts for TDanisky_30:

(Start: 68 @26346 has 188 MA's), (104, 26463), (128, 26535), (154, 26652), (155, 26655), (178, 26733), (200, 26814), (272, 26856), (286, 26934), (318, 27060), (338, 27165), (342, 27180), (349, 27222), (361, 27258), (362, 27261), (377, 27312), (379, 27321), (418, 27435), (432, 27477), (434, 27486), (451, 27543), (452, 27546),

Gene: TM4_29 Start: 23341, Stop: 24984, Start Num: 95

Candidate Starts for TM4_29:

(Start: 95 @23341 has 4 MA's), (118, 23392), (119, 23395), (127, 23431), (138, 23467), (188, 23668), (197, 23698), (235, 23836), (249, 23908), (251, 23923), (261, 23989), (264, 23998), (265, 24007), (266, 24010), (280, 24112), (323, 24283), (330, 24319), (332, 24334), (346, 24397), (366, 24466), (377, 24499), (448, 24754), (480, 24886), (481, 24889), (488, 24952),

Gene: Tainan_250 Start: 142139, Stop: 143569, Start Num: 112

Candidate Starts for Tainan_250:

(Start: 112 @142139 has 181 MA's), (138, 142229), (139, 142232), (152, 142292), (185, 142415), (192, 142439), (219, 142523), (230, 142565), (241, 142607), (265, 142772), (266, 142775), (318, 143030), (326, 143069), (332, 143099), (346, 143162), (351, 143183), (352, 143192), (354, 143195), (365, 143228), (371, 143243), (408, 143378), (431, 143453), (443, 143510), (444, 143513),

Gene: Taj_30 Start: 26531, Stop: 27685, Start Num: 68

Candidate Starts for Taj_30:

(14, 26258), (21, 26279), (Start: 68 @26531 has 188 MA's), (91, 26615), (141, 26765), (151, 26819), (187, 26960), (287, 27041), (318, 27167), (319, 27173), (328, 27212), (338, 27272), (342, 27287), (349, 27329), (361, 27365), (362, 27368), (377, 27419), (379, 27428), (418, 27542), (452, 27653), (460, 27674),

Gene: Tchotchke_30 Start: 25845, Stop: 27119, Start Num: 68

Candidate Starts for Tchotchke_30:

(Start: 68 @25845 has 188 MA's), (104, 25965), (154, 26154), (155, 26157), (178, 26235), (200, 26316), (272, 26358), (286, 26436), (318, 26562), (319, 26568), (320, 26571), (328, 26607), (342, 26682), (349, 26724), (361, 26760), (363, 26778), (377, 26814), (379, 26823), (418, 26937), (432, 26979), (434, 26988), (451, 27045), (452, 27048),

Gene: Teardrop_249 Start: 142528, Stop: 143958, Start Num: 112

Candidate Starts for Teardrop_249:

(Start: 112 @142528 has 181 MA's), (138, 142618), (152, 142681), (185, 142804), (192, 142828), (219, 142912), (230, 142954), (241, 142996), (265, 143161), (266, 143164), (318, 143419), (326, 143458), (332, 143488), (346, 143551), (351, 143572), (352, 143581), (354, 143584), (365, 143617), (371, 143632), (408, 143767), (431, 143842), (443, 143899), (444, 143902),

Gene: TelAviv_63 Start: 42164, Stop: 43384, Start Num: 131

Candidate Starts for TelAviv_63:

(Start: 131 @42164 has 31 MA's), (144, 42200), (156, 42251), (157, 42257), (199, 42407), (218, 42461), (240, 42554), (248, 42602), (262, 42710), (266, 42731), (322, 43019), (346, 43136), (353, 43169), (359, 43181), (373, 43232), (380, 43256), (396, 43316), (411, 43361),

Gene: Tesla_52 Start: 29814, Stop: 31193, Start Num: 75

Candidate Starts for Tesla_52:

(Start: 75 @29814 has 19 MA's), (103, 29871), (117, 29907), (122, 29931), (127, 29943), (161, 30066), (169, 30108), (190, 30180), (195, 30204), (199, 30210), (221, 30291), (242, 30360), (244, 30363), (248, 30399), (251, 30435), (262, 30507), (265, 30525), (266, 30528), (284, 30645), (291, 30675), (322, 30807), (325, 30828), (332, 30861), (345, 30915), (346, 30921), (380, 31041), (388, 31071), (394, 31092), (403, 31122),

Gene: ThetaBob_29 Start: 25694, Stop: 27004, Start Num: 68

Candidate Starts for ThetaBob_29:

(Start: 68 @25694 has 188 MA's), (104, 25811), (128, 25883), (154, 26000), (155, 26003), (178, 26081), (200, 26162), (272, 26213), (307, 26390), (318, 26432), (320, 26441), (349, 26597), (418, 26819), (432, 26861), (434, 26870), (447, 26912), (451, 26927), (452, 26930), (454, 26936), (470, 26984),

Gene: Thonko_46 Start: 38334, Stop: 39899, Start Num: 96

Candidate Starts for Thonko_46:

(Start: 96 @38334 has 4 MA's), (Start: 102 @38343 has 1 MA's), (126, 38418), (133, 38454), (138, 38466), (170, 38607), (183, 38646), (185, 38658), (186, 38664), (214, 38760), (232, 38865), (249, 38952), (251, 38967), (258, 39015), (265, 39051), (294, 39213), (319, 39300), (322, 39309), (346, 39453), (367, 39519), (374, 39534), (377, 39543), (383, 39570), (411, 39672), (420, 39702), (425, 39720), (464, 39846),

Gene: TinyTerror_46 Start: 40298, Stop: 41521, Start Num: 60

Candidate Starts for TinyTerror_46:

(Start: 34 @40184 has 1 MA's), (35, 40187), (Start: 60 @40298 has 22 MA's), (Start: 66 @40319 has 1 MA's), (73, 40346), (76, 40361), (88, 40403), (Start: 110 @40454 has 1 MA's), (134, 40544), (141, 40559), (165, 40673), (194, 40775), (307, 40937), (318, 40982), (319, 40988), (320, 40991), (322, 40997), (328, 41027), (345, 41129), (361, 41186), (377, 41237), (384, 41273), (387, 41285), (395, 41318), (399, 41333), (453, 41483),

Gene: TinyTim_249 Start: 142495, Stop: 143925, Start Num: 112

Candidate Starts for TinyTim_249:

(Start: 112 @142495 has 181 MA's), (138, 142585), (152, 142648), (185, 142771), (192, 142795), (219, 142879), (230, 142921), (241, 142963), (265, 143128), (266, 143131), (318, 143386), (326, 143425), (332, 143455), (346, 143518), (351, 143539), (352, 143548), (354, 143551), (365, 143584), (371, 143599), (408, 143734), (431, 143809), (443, 143866), (444, 143869),

Gene: Tonenili_272 Start: 147835, Stop: 149253, Start Num: 112

Candidate Starts for Tonenili_272:

(Start: 112 @147835 has 181 MA's), (152, 147988), (171, 148060), (183, 148099), (185, 148111), (192, 148135), (219, 148246), (230, 148288), (285, 148585), (297, 148642), (312, 148702), (345, 148831), (350, 148855), (368, 148918), (371, 148927), (408, 149062), (428, 149131), (431, 149137), (444, 149197),

Gene: TootsiePop_31 Start: 26205, Stop: 27407, Start Num: 68

Candidate Starts for TootsiePop_31:

(Start: 68 @26205 has 188 MA's), (91, 26289), (141, 26439), (151, 26493), (187, 26634), (287, 26715), (318, 26841), (319, 26847), (320, 26850), (328, 26886), (342, 26961), (349, 27003), (361, 27039), (377, 27093), (379, 27102), (399, 27168), (418, 27225), (432, 27267), (434, 27276), (447, 27318), (451, 27333), (452, 27336),

Gene: Tootsieroll_31 Start: 26372, Stop: 27574, Start Num: 68

Candidate Starts for Tootsieroll_31:

(Start: 68 @26372 has 188 MA's), (91, 26456), (141, 26606), (151, 26660), (187, 26801), (287, 26879), (318, 27005), (319, 27011), (328, 27050), (338, 27110), (342, 27125), (349, 27167), (361, 27203), (362, 27206), (377, 27257), (379, 27266), (432, 27431), (436, 27449), (452, 27500), (456, 27509),

Gene: Topiatin_33 Start: 26996, Stop: 28204, Start Num: 135

Candidate Starts for Topiatin_33:

(Start: 135 @26996 has 38 MA's), (158, 27092), (164, 27116), (191, 27209), (192, 27212), (212, 27257), (238, 27386), (248, 27437), (262, 27548), (266, 27569), (322, 27851), (325, 27872), (326, 27875), (346, 27968), (359, 28013), (373, 28058), (380, 28082), (396, 28142),

Gene: Toron_31 Start: 26744, Stop: 28024, Start Num: 100

Candidate Starts for Toron_31:

(Start: 100 @26744 has 18 MA's), (142, 26864), (196, 27053), (198, 27056), (239, 27215), (248, 27266), (252, 27305), (266, 27392), (267, 27395), (279, 27497), (280, 27500), (288, 27521), (301, 27584), (322, 27680), (346, 27797), (351, 27818), (353, 27830), (372, 27875), (382, 27914), (394, 27953), (396, 27962), (411, 28007),

Gene: Tortoise16_248 Start: 142508, Stop: 143938, Start Num: 112

Candidate Starts for Tortoise16_248:

(Start: 112 @142508 has 181 MA's), (138, 142598), (152, 142661), (185, 142784), (192, 142808), (219, 142892), (230, 142934), (241, 142976), (265, 143141), (266, 143144), (318, 143399), (326, 143438), (332, 143468), (346, 143531), (351, 143552), (352, 143561), (354, 143564), (365, 143597), (371, 143612), (408, 143747), (431, 143822), (443, 143879), (444, 143882),

Gene: Totinger_31 Start: 26230, Stop: 27501, Start Num: 68

Candidate Starts for Totinger_31:

(Start: 68 @26230 has 188 MA's), (104, 26347), (128, 26419), (154, 26536), (155, 26539), (178, 26617), (200, 26698), (272, 26740), (286, 26818), (318, 26944), (338, 27049), (342, 27064), (349, 27106), (361, 27142), (362, 27145), (377, 27196), (379, 27205), (418, 27319), (432, 27361), (434, 27370), (451, 27427), (452, 27430),

Gene: TpudiCK_36 Start: 29798, Stop: 31165, Start Num: 74

Candidate Starts for TpudiCK_36:

(Start: 74 @29798 has 16 MA's), (89, 29855), (98, 29882), (114, 29921), (148, 30059), (153, 30083), (173, 30161), (176, 30167), (177, 30170), (195, 30245), (295, 30377), (304, 30404), (306, 30413), (323, 30467), (328, 30494), (333, 30524), (343, 30578), (359, 30650), (410, 30836), (445, 30956), (451, 30977), (457, 30995), (463, 31010), (471, 31040), (475, 31070), (478, 31106), (479, 31109), (485, 31145),

Gene: Trinitium_247 Start: 141249, Stop: 142679, Start Num: 112

Candidate Starts for Trinitium_247:

(Start: 112 @141249 has 181 MA's), (138, 141339), (152, 141402), (185, 141525), (192, 141549), (219, 141633), (230, 141675), (241, 141717), (265, 141882), (266, 141885), (318, 142140), (326, 142179), (332, 142209), (346, 142272), (351, 142293), (352, 142302), (354, 142305), (365, 142338), (371, 142353), (408, 142488), (431, 142563), (443, 142620), (444, 142623),

Gene: Turret_241 Start: 140382, Stop: 141812, Start Num: 112

Candidate Starts for Turret_241:

(Start: 112 @140382 has 181 MA's), (138, 140472), (152, 140535), (185, 140658), (192, 140682), (219, 140766), (230, 140808), (241, 140850), (265, 141015), (266, 141018), (318, 141273), (326, 141312), (332, 141342), (346, 141405), (351, 141426), (352, 141435), (354, 141438), (365, 141471), (371, 141486), (408, 141621), (431, 141696), (443, 141753), (444, 141756),

Gene: Tweety_30 Start: 26532, Stop: 27743, Start Num: 68

Candidate Starts for Tweety_30:

(14, 26259), (22, 26280), (Start: 68 @26532 has 188 MA's), (91, 26616), (141, 26766), (151, 26820), (187, 26961), (287, 27042), (318, 27168), (319, 27174), (320, 27177), (342, 27288), (349, 27330), (361, 27366), (377, 27420), (379, 27429), (418, 27543), (452, 27654),

Gene: TyDawg_35 Start: 29799, Stop: 31166, Start Num: 74

Candidate Starts for TyDawg_35:

(Start: 74 @29799 has 16 MA's), (89, 29856), (98, 29883), (114, 29922), (148, 30060), (153, 30084), (173, 30162), (176, 30168), (177, 30171), (195, 30246), (295, 30378), (304, 30405), (306, 30414), (323, 30468), (328, 30495), (333, 30525), (343, 30579), (359, 30651), (410, 30837), (445, 30957), (451, 30978), (457, 30996), (463, 31011), (471, 31041), (475, 31071), (478, 31107), (479, 31110),

(485, 31146),

Gene: Tydolla_46 Start: 41005, Stop: 42270, Start Num: 50

Candidate Starts for Tydolla_46:

(41, 40975), (Start: 45 @40993 has 10 MA's), (47, 40996), (Start: 50 @41005 has 15 MA's), (Start: 60 @41047 has 22 MA's), (Start: 66 @41068 has 1 MA's), (73, 41095), (76, 41110), (88, 41152), (Start: 110 @41203 has 1 MA's), (134, 41293), (141, 41308), (165, 41422), (194, 41524), (307, 41686), (318, 41731), (319, 41737), (320, 41740), (322, 41746), (328, 41776), (345, 41878), (361, 41935), (377, 41986), (384, 42022), (387, 42034), (395, 42067), (399, 42082), (453, 42232),

Gene: Tyke_247 Start: 144631, Stop: 146061, Start Num: 112

Candidate Starts for Tyke_247:

(Start: 112 @144631 has 181 MA's), (138, 144721), (152, 144784), (185, 144907), (192, 144931), (219, 145015), (230, 145057), (241, 145099), (265, 145264), (266, 145267), (318, 145522), (326, 145561), (332, 145591), (346, 145654), (351, 145675), (352, 145684), (354, 145687), (365, 145720), (371, 145735), (408, 145870), (431, 145945), (443, 146002), (444, 146005),

Gene: Tyson_25 Start: 24375, Stop: 25547, Start Num: 61

Candidate Starts for Tyson_25:

(54, 24345), (Start: 61 @24375 has 30 MA's), (194, 24822), (287, 24900), (296, 24945), (318, 25020), (328, 25065), (342, 25140), (345, 25167), (349, 25185), (361, 25221), (362, 25224), (379, 25284), (395, 25335), (399, 25350), (430, 25419), (436, 25443), (456, 25503),

Gene: UPIE_25 Start: 24373, Stop: 25545, Start Num: 61

Candidate Starts for UPIE_25:

(54, 24343), (Start: 61 @24373 has 30 MA's), (194, 24820), (287, 24898), (296, 24943), (318, 25018), (328, 25063), (342, 25138), (345, 25165), (349, 25183), (361, 25219), (362, 25222), (379, 25282), (395, 25333), (399, 25348), (430, 25417), (436, 25441), (456, 25501),

Gene: UncleRicky_33 Start: 27639, Stop: 28832, Start Num: 68

Candidate Starts for UncleRicky_33:

(Start: 68 @27639 has 188 MA's), (91, 27723), (141, 27873), (151, 27927), (187, 28068), (287, 28149), (318, 28275), (319, 28281), (342, 28395), (349, 28437), (361, 28473), (363, 28491), (377, 28527), (379, 28536), (418, 28650), (432, 28692), (434, 28701), (451, 28758), (452, 28761),

Gene: VRedHorse_30 Start: 26539, Stop: 27690, Start Num: 68

Candidate Starts for VRedHorse_30:

(14, 26266), (21, 26287), (Start: 68 @26539 has 188 MA's), (91, 26623), (141, 26773), (151, 26827), (187, 26968), (287, 27046), (318, 27172), (319, 27178), (328, 27217), (338, 27277), (342, 27292), (349, 27334), (361, 27370), (362, 27373), (377, 27424), (379, 27433), (418, 27547), (452, 27658), (459, 27676), (460, 27679),

Gene: Vagabond_66 Start: 42027, Stop: 43247, Start Num: 131

Candidate Starts for Vagabond_66:

(Start: 131 @42027 has 31 MA's), (144, 42063), (156, 42114), (157, 42120), (158, 42123), (199, 42270), (218, 42324), (240, 42417), (248, 42465), (262, 42573), (266, 42594), (322, 42882), (346, 42999), (353, 43032), (359, 43044), (373, 43095), (380, 43119), (396, 43179), (411, 43224),

Gene: ValleyTerrace_251 Start: 141959, Stop: 143389, Start Num: 112

Candidate Starts for ValleyTerrace_251:

(Start: 112 @141959 has 181 MA's), (138, 142049), (152, 142112), (185, 142235), (192, 142259), (219, 142343), (230, 142385), (241, 142427), (265, 142592), (266, 142595), (318, 142850), (326, 142889), (332, 142919), (346, 142982), (351, 143003), (352, 143012), (354, 143015), (365, 143048),

(371, 143063), (408, 143198), (431, 143273), (443, 143330), (444, 143333),

Gene: VasuNzinga_54 Start: 29883, Stop: 31262, Start Num: 75

Candidate Starts for VasuNzinga_54:

(Start: 75 @29883 has 19 MA's), (103, 29940), (117, 29976), (122, 30000), (127, 30012), (161, 30135), (169, 30177), (190, 30249), (195, 30273), (199, 30279), (221, 30360), (242, 30429), (244, 30432), (248, 30468), (251, 30504), (262, 30576), (265, 30594), (266, 30597), (284, 30714), (291, 30744), (322, 30876), (325, 30897), (332, 30930), (345, 30984), (346, 30990), (380, 31110), (388, 31140), (394, 31161), (403, 31191),

Gene: Velveteen_26 Start: 22498, Stop: 23733, Start Num: 68

Candidate Starts for Velveteen_26:

(Start: 68 @22498 has 188 MA's), (104, 22618), (128, 22690), (154, 22807), (155, 22810), (178, 22888), (200, 22969), (272, 23011), (286, 23089), (318, 23215), (319, 23221), (328, 23260), (338, 23320), (342, 23335), (349, 23377), (361, 23413), (362, 23416), (377, 23467), (379, 23476), (418, 23590), (452, 23701), (460, 23722),

Gene: Veteran_30 Start: 26344, Stop: 27537, Start Num: 68

Candidate Starts for Veteran_30:

(Start: 68 @26344 has 188 MA's), (91, 26428), (141, 26578), (151, 26632), (187, 26773), (287, 26854), (318, 26980), (319, 26986), (320, 26989), (328, 27025), (342, 27100), (349, 27142), (361, 27178), (379, 27241), (418, 27355), (432, 27397), (434, 27406), (451, 27463), (452, 27466),

Gene: Vincenzo_44 Start: 41174, Stop: 42871, Start Num: 79

Candidate Starts for Vincenzo_44:

(Start: 79 @41174 has 30 MA's), (105, 41243), (109, 41249), (115, 41267), (120, 41288), (125, 41303), (143, 41375), (165, 41468), (185, 41540), (192, 41564), (217, 41666), (265, 41927), (276, 42008), (280, 42032), (281, 42035), (319, 42188), (322, 42197), (324, 42206), (329, 42230), (346, 42341), (367, 42410), (377, 42434), (378, 42437), (383, 42461), (390, 42491), (412, 42566), (420, 42593), (425, 42611), (433, 42638), (465, 42764),

Gene: Violac_31 Start: 27032, Stop: 28225, Start Num: 68

Candidate Starts for Violac_31:

(15, 26759), (22, 26780), (Start: 68 @27032 has 188 MA's), (91, 27116), (141, 27266), (151, 27320), (187, 27461), (287, 27542), (318, 27668), (319, 27674), (320, 27677), (328, 27713), (333, 27743), (342, 27788), (349, 27830), (362, 27869), (363, 27884), (377, 27920), (379, 27929), (418, 28043), (432, 28085), (434, 28094), (451, 28151), (452, 28154),

Gene: VioletZ_45 Start: 40652, Stop: 42388, Start Num: 79

Candidate Starts for VioletZ_45:

(Start: 79 @40652 has 30 MA's), (109, 40727), (115, 40745), (120, 40766), (125, 40781), (143, 40853), (165, 40946), (185, 41018), (192, 41042), (215, 41129), (217, 41144), (255, 41333), (265, 41408), (276, 41489), (280, 41513), (281, 41516), (319, 41669), (322, 41678), (324, 41687), (339, 41783), (346, 41822), (367, 41891), (377, 41915), (383, 41942), (390, 41972), (414, 42050), (420, 42074), (425, 42092), (426, 42095), (441, 42164), (466, 42248),

Gene: Vivum_30 Start: 26313, Stop: 27521, Start Num: 135

Candidate Starts for Vivum_30:

(Start: 135 @26313 has 38 MA's), (158, 26409), (164, 26433), (191, 26526), (192, 26529), (212, 26574), (238, 26703), (248, 26754), (262, 26865), (266, 26886), (322, 27168), (325, 27189), (346, 27285), (359, 27330), (373, 27375), (380, 27399), (396, 27459),

Gene: Vorrps_66 Start: 42239, Stop: 43459, Start Num: 131

Candidate Starts for Vorrrps_66:

(Start: 131 @42239 has 31 MA's), (144, 42275), (156, 42326), (157, 42332), (158, 42335), (199, 42482), (218, 42536), (240, 42629), (248, 42677), (262, 42785), (266, 42806), (322, 43094), (346, 43211), (353, 43244), (359, 43256), (373, 43307), (380, 43331), (396, 43391), (411, 43436),

Gene: Vortrix_268 Start: 146622, Stop: 148040, Start Num: 112

Candidate Starts for Vortrix_268:

(Start: 112 @146622 has 181 MA's), (152, 146775), (171, 146847), (185, 146898), (192, 146922), (219, 147033), (230, 147075), (285, 147372), (297, 147429), (312, 147489), (345, 147618), (350, 147642), (368, 147705), (371, 147714), (408, 147849), (428, 147918), (431, 147924), (444, 147984),

Gene: Wachhund_30 Start: 26486, Stop: 27697, Start Num: 135

Candidate Starts for Wachhund_30:

(Start: 135 @26486 has 38 MA's), (158, 26582), (164, 26606), (191, 26699), (192, 26702), (212, 26747), (238, 26876), (248, 26927), (262, 27038), (266, 27059), (322, 27341), (325, 27362), (326, 27365), (346, 27458), (359, 27503), (373, 27551), (398, 27641),

Gene: Waleliano_43 Start: 40576, Stop: 42312, Start Num: 79

Candidate Starts for Waleliano_43:

(Start: 79 @40576 has 30 MA's), (109, 40651), (115, 40669), (120, 40690), (125, 40705), (143, 40777), (165, 40870), (185, 40942), (192, 40966), (215, 41053), (217, 41068), (254, 41251), (265, 41332), (276, 41413), (280, 41437), (281, 41440), (292, 41482), (319, 41593), (322, 41602), (324, 41611), (339, 41707), (346, 41746), (367, 41815), (377, 41839), (383, 41866), (390, 41896), (412, 41971), (414, 41974), (420, 41998), (422, 42004), (425, 42016), (426, 42019), (433, 42043), (441, 42088), (466, 42172),

Gene: Wally_248 Start: 141943, Stop: 143373, Start Num: 112

Candidate Starts for Wally_248:

(Start: 112 @141943 has 181 MA's), (138, 142033), (152, 142096), (185, 142219), (192, 142243), (219, 142327), (230, 142369), (241, 142411), (265, 142576), (266, 142579), (318, 142834), (326, 142873), (332, 142903), (346, 142966), (351, 142987), (352, 142996), (354, 142999), (365, 143032), (371, 143047), (408, 143182), (431, 143257), (443, 143314), (444, 143317),

Gene: Wamburgxpress_25 Start: 24388, Stop: 25560, Start Num: 61

Candidate Starts for Wamburgxpress_25:

(54, 24358), (Start: 61 @24388 has 30 MA's), (194, 24835), (287, 24913), (296, 24958), (318, 25033), (328, 25078), (342, 25153), (345, 25180), (349, 25198), (361, 25234), (362, 25237), (379, 25297), (395, 25348), (399, 25363), (430, 25432), (436, 25456), (456, 25516),

Gene: Wee_31 Start: 27069, Stop: 28223, Start Num: 68

Candidate Starts for Wee_31:

(14, 26796), (21, 26817), (Start: 68 @27069 has 188 MA's), (91, 27153), (141, 27303), (151, 27357), (187, 27498), (287, 27579), (318, 27705), (319, 27711), (328, 27750), (338, 27810), (342, 27825), (349, 27867), (361, 27903), (362, 27906), (377, 27957), (379, 27966), (418, 28080), (452, 28191), (460, 28212),

Gene: Whatsapiecost_31 Start: 26670, Stop: 27956, Start Num: 100

Candidate Starts for Whatsapiecost_31:

(Start: 100 @26670 has 18 MA's), (142, 26790), (157, 26862), (196, 26979), (198, 26982), (227, 27084), (239, 27141), (248, 27195), (256, 27258), (266, 27321), (267, 27324), (284, 27438), (288, 27450), (301, 27513), (322, 27600), (327, 27627), (346, 27717), (351, 27738), (353, 27750), (359, 27762), (364, 27786), (389, 27867), (398, 27900),

Gene: Whouxphf_31 Start: 26736, Stop: 28010, Start Num: 68

Candidate Starts for Whouxphf_31:

(Start: 68 @26736 has 188 MA's), (104, 26856), (128, 26928), (154, 27045), (155, 27048), (178, 27126), (200, 27207), (272, 27249), (286, 27327), (318, 27453), (319, 27459), (328, 27498), (342, 27573), (349, 27615), (362, 27654), (363, 27669), (377, 27705), (379, 27714), (418, 27828), (432, 27870), (434, 27879), (451, 27936), (452, 27939),

Gene: Wildflower_66 Start: 41751, Stop: 42971, Start Num: 131

Candidate Starts for Wildflower_66:

(Start: 131 @41751 has 31 MA's), (144, 41787), (156, 41838), (157, 41844), (158, 41847), (199, 41994), (218, 42048), (240, 42141), (248, 42189), (262, 42297), (266, 42318), (322, 42606), (346, 42723), (353, 42756), (359, 42768), (373, 42819), (380, 42843), (396, 42903), (411, 42948),

Gene: WillSterrel_32 Start: 27871, Stop: 29145, Start Num: 68

Candidate Starts for WillSterrel_32:

(Start: 68 @27871 has 188 MA's), (104, 27991), (154, 28180), (155, 28183), (178, 28261), (200, 28342), (272, 28384), (286, 28462), (318, 28588), (319, 28594), (338, 28693), (342, 28708), (349, 28750), (361, 28786), (363, 28804), (377, 28840), (379, 28849), (418, 28963), (432, 29005), (434, 29014), (451, 29071), (452, 29074),

Gene: Willis_251 Start: 142882, Stop: 144312, Start Num: 112

Candidate Starts for Willis_251:

(Start: 112 @142882 has 181 MA's), (138, 142972), (152, 143035), (185, 143158), (192, 143182), (219, 143266), (230, 143308), (241, 143350), (265, 143515), (266, 143518), (318, 143773), (326, 143812), (332, 143842), (346, 143905), (351, 143926), (352, 143935), (354, 143938), (365, 143971), (371, 143986), (408, 144121), (431, 144196), (443, 144253), (444, 144256),

Gene: Winget_67 Start: 42457, Stop: 43677, Start Num: 131

Candidate Starts for Winget_67:

(Start: 131 @42457 has 31 MA's), (144, 42493), (156, 42544), (157, 42550), (158, 42553), (199, 42700), (218, 42754), (240, 42847), (248, 42895), (262, 43003), (266, 43024), (322, 43312), (346, 43429), (353, 43462), (359, 43474), (373, 43525), (380, 43549), (396, 43609), (411, 43654),

Gene: Wogge42_65 Start: 41898, Stop: 43118, Start Num: 131

Candidate Starts for Wogge42_65:

(Start: 131 @41898 has 31 MA's), (144, 41934), (156, 41985), (157, 41991), (158, 41994), (199, 42141), (218, 42195), (240, 42288), (248, 42336), (262, 42444), (266, 42465), (322, 42753), (346, 42870), (353, 42903), (359, 42915), (373, 42966), (380, 42990), (396, 43050), (411, 43095),

Gene: Wyatt2_25 Start: 24375, Stop: 25547, Start Num: 61

Candidate Starts for Wyatt2_25:

(54, 24345), (Start: 61 @24375 has 30 MA's), (194, 24822), (287, 24900), (296, 24945), (318, 25020), (328, 25065), (342, 25140), (345, 25167), (349, 25185), (361, 25221), (362, 25224), (379, 25284), (395, 25335), (399, 25350), (430, 25419), (436, 25443), (456, 25503),

Gene: XFactor_30 Start: 26489, Stop: 27697, Start Num: 135

Candidate Starts for XFactor_30:

(41, 26213), (48, 26234), (Start: 135 @26489 has 38 MA's), (158, 26585), (164, 26609), (191, 26702), (192, 26705), (212, 26750), (238, 26879), (248, 26930), (262, 27041), (266, 27062), (322, 27344), (325, 27365), (346, 27461), (359, 27506), (373, 27551), (380, 27575), (396, 27635),

Gene: Xincheng_42 Start: 40012, Stop: 41748, Start Num: 79

Candidate Starts for Xincheng_42:

(Start: 79 @40012 has 30 MA's), (91, 40057), (109, 40087), (115, 40105), (120, 40126), (125, 40141), (143, 40213), (165, 40306), (185, 40378), (192, 40402), (215, 40489), (217, 40504), (247, 40624), (254, 40687), (255, 40693), (265, 40768), (276, 40849), (280, 40873), (281, 40876), (319, 41029), (322, 41038), (324, 41047), (346, 41182), (367, 41251), (375, 41269), (383, 41302), (390, 41332), (414, 41410), (420, 41434), (425, 41452), (433, 41479), (441, 41524), (457, 41578), (466, 41608),

Gene: Yahalom_46 Start: 40281, Stop: 41546, Start Num: 50

Candidate Starts for Yahalom_46:

(41, 40251), (Start: 45 @40269 has 10 MA's), (47, 40272), (Start: 50 @40281 has 15 MA's), (Start: 60 @40323 has 22 MA's), (Start: 66 @40344 has 1 MA's), (73, 40371), (76, 40386), (88, 40428), (Start: 110 @40479 has 1 MA's), (134, 40569), (141, 40584), (165, 40698), (194, 40800), (307, 40962), (318, 41007), (319, 41013), (320, 41016), (322, 41022), (328, 41052), (345, 41154), (361, 41211), (377, 41262), (384, 41298), (387, 41310), (395, 41343), (399, 41358), (453, 41508),

Gene: Yassified_246 Start: 142078, Stop: 143508, Start Num: 112

Candidate Starts for Yassified_246:

(93, 142036), (Start: 112 @142078 has 181 MA's), (138, 142168), (152, 142231), (185, 142354), (192, 142378), (219, 142462), (230, 142504), (241, 142546), (265, 142711), (266, 142714), (318, 142969), (326, 143008), (332, 143038), (346, 143101), (351, 143122), (352, 143131), (354, 143134), (365, 143167), (371, 143182), (408, 143317), (431, 143392), (444, 143452),

Gene: YemiJoy2021_251 Start: 143613, Stop: 145043, Start Num: 112

Candidate Starts for YemiJoy2021_251:

(Start: 112 @143613 has 181 MA's), (138, 143703), (152, 143766), (185, 143889), (192, 143913), (219, 143997), (230, 144039), (241, 144081), (265, 144246), (266, 144249), (318, 144504), (326, 144543), (332, 144573), (346, 144636), (351, 144657), (352, 144666), (354, 144669), (365, 144702), (371, 144717), (408, 144852), (431, 144927), (443, 144984), (444, 144987),

Gene: Yinz_46 Start: 40307, Stop: 41572, Start Num: 50

Candidate Starts for Yinz_46:

(41, 40277), (Start: 45 @40295 has 10 MA's), (47, 40298), (Start: 50 @40307 has 15 MA's), (Start: 60 @40349 has 22 MA's), (Start: 66 @40370 has 1 MA's), (73, 40397), (76, 40412), (88, 40454), (Start: 110 @40505 has 1 MA's), (134, 40595), (141, 40610), (165, 40724), (194, 40826), (307, 40988), (318, 41033), (319, 41039), (320, 41042), (322, 41048), (328, 41078), (345, 41180), (361, 41237), (377, 41288), (384, 41324), (387, 41336), (395, 41369), (399, 41384), (453, 41534),

Gene: Yorick_30 Start: 26501, Stop: 27697, Start Num: 135

Candidate Starts for Yorick_30:

(Start: 135 @26501 has 38 MA's), (156, 26585), (199, 26735), (218, 26789), (240, 26882), (248, 26930), (262, 27041), (266, 27062), (322, 27344), (325, 27365), (346, 27461), (359, 27506), (373, 27551), (380, 27575), (396, 27635),

Gene: Yoshi_37 Start: 25847, Stop: 27094, Start Num: 52

Candidate Starts for Yoshi_37:

(46, 25826), (Start: 52 @25847 has 2 MA's), (73, 25928), (115, 26060), (116, 26063), (128, 26108), (132, 26132), (154, 26222), (175, 26303), (206, 26384), (211, 26438), (216, 26468), (223, 26510), (225, 26516), (226, 26519), (233, 26555), (250, 26630), (257, 26672), (259, 26708), (260, 26711), (268, 26762), (270, 26771), (313, 26933), (336, 27047), (343, 27071), (344, 27080),

Gene: YoungMoneyMata_250 Start: 143074, Stop: 144504, Start Num: 112

Candidate Starts for YoungMoneyMata_250:

(Start: 112 @143074 has 181 MA's), (138, 143164), (152, 143227), (185, 143350), (192, 143374), (219, 143458), (230, 143500), (241, 143542), (265, 143707), (266, 143710), (318, 143965), (326,

144004), (332, 144034), (346, 144097), (351, 144118), (352, 144127), (354, 144130), (365, 144163), (371, 144178), (408, 144313), (431, 144388), (443, 144445), (444, 144448),

Gene: YoyoKar_64 Start: 41660, Stop: 42961, Start Num: 108

Candidate Starts for YoyoKar_64:

(82, 41588), (83, 41591), (87, 41603), (106, 41657), (108, 41660), (Start: 131 @41741 has 31 MA's), (144, 41777), (156, 41828), (157, 41834), (199, 41984), (218, 42038), (240, 42131), (248, 42179), (262, 42287), (266, 42308), (322, 42596), (346, 42713), (353, 42746), (359, 42758), (373, 42809), (380, 42833), (396, 42893), (411, 42938),

Gene: Yucca_251 Start: 144054, Stop: 145484, Start Num: 112

Candidate Starts for Yucca_251:

(Start: 112 @144054 has 181 MA's), (138, 144144), (152, 144207), (185, 144330), (192, 144354), (219, 144438), (230, 144480), (241, 144522), (265, 144687), (266, 144690), (318, 144945), (326, 144984), (332, 145014), (346, 145077), (351, 145098), (352, 145107), (354, 145110), (365, 145143), (371, 145158), (408, 145293), (431, 145368), (443, 145425), (444, 145428),

Gene: YungJamal_71 Start: 43649, Stop: 44869, Start Num: 131

Candidate Starts for YungJamal_71:

(Start: 131 @43649 has 31 MA's), (144, 43685), (156, 43736), (157, 43742), (158, 43745), (199, 43892), (218, 43946), (240, 44039), (248, 44087), (262, 44195), (266, 44216), (322, 44504), (346, 44621), (353, 44654), (359, 44666), (373, 44717), (380, 44741), (396, 44801), (411, 44846),

Gene: Zakai_27 Start: 25342, Stop: 26511, Start Num: 61

Candidate Starts for Zakai_27:

(Start: 61 @25342 has 30 MA's), (115, 25510), (137, 25594), (151, 25654), (178, 25756), (193, 25783), (282, 25852), (287, 25864), (318, 25984), (319, 25990), (345, 26131), (349, 26149), (361, 26185), (379, 26248), (396, 26302), (429, 26380), (430, 26383), (436, 26407),

Gene: Zakhe101_65 Start: 42297, Stop: 43517, Start Num: 131

Candidate Starts for Zakhe101_65:

(Start: 131 @42297 has 31 MA's), (144, 42333), (156, 42384), (157, 42390), (158, 42393), (199, 42540), (218, 42594), (240, 42687), (248, 42735), (262, 42843), (266, 42864), (322, 43152), (346, 43269), (353, 43302), (359, 43314), (373, 43365), (380, 43389), (396, 43449), (411, 43494),

Gene: Zalkecks_249 Start: 142711, Stop: 144141, Start Num: 112

Candidate Starts for Zalkecks_249:

(Start: 112 @142711 has 181 MA's), (138, 142801), (152, 142864), (185, 142987), (192, 143011), (219, 143095), (230, 143137), (241, 143179), (265, 143344), (266, 143347), (318, 143602), (326, 143641), (332, 143671), (346, 143734), (351, 143755), (352, 143764), (354, 143767), (365, 143800), (371, 143815), (408, 143950), (431, 144025), (443, 144082), (444, 144085),

Gene: Zapner_37 Start: 26903, Stop: 28201, Start Num: 100

Candidate Starts for Zapner_37:

(Start: 100 @26903 has 18 MA's), (124, 26975), (142, 27023), (144, 27041), (157, 27095), (196, 27212), (198, 27215), (227, 27317), (239, 27374), (248, 27428), (256, 27491), (266, 27554), (267, 27557), (284, 27671), (288, 27683), (301, 27746), (322, 27842), (346, 27959), (353, 27992), (359, 28004), (389, 28109), (398, 28142), (411, 28181),

Gene: Zaria_25 Start: 24389, Stop: 25561, Start Num: 61

Candidate Starts for Zaria_25:

(54, 24359), (Start: 61 @24389 has 30 MA's), (194, 24836), (287, 24914), (296, 24959), (318, 25034), (328, 25079), (342, 25154), (345, 25181), (349, 25199), (361, 25235), (362, 25238), (379, 25298),

(395, 25349), (399, 25364), (430, 25433), (436, 25457), (456, 25517),

Gene: Zebo_66 Start: 42200, Stop: 43420, Start Num: 131

Candidate Starts for Zebo_66:

(Start: 131 @42200 has 31 MA's), (144, 42236), (156, 42287), (157, 42293), (199, 42443), (218, 42497), (240, 42590), (248, 42638), (262, 42746), (266, 42767), (322, 43055), (346, 43172), (353, 43205), (359, 43217), (373, 43268), (380, 43292), (396, 43352), (411, 43397),

Gene: Zeenon_251 Start: 143245, Stop: 144675, Start Num: 112

Candidate Starts for Zeenon_251:

(Start: 112 @143245 has 181 MA's), (138, 143335), (152, 143398), (185, 143521), (192, 143545), (219, 143629), (230, 143671), (241, 143713), (265, 143878), (266, 143881), (318, 144136), (326, 144175), (332, 144205), (346, 144268), (351, 144289), (352, 144298), (354, 144301), (365, 144334), (371, 144349), (408, 144484), (431, 144559), (443, 144616), (444, 144619),

Gene: Zemanar_44 Start: 40552, Stop: 42288, Start Num: 79

Candidate Starts for Zemanar_44:

(Start: 79 @40552 has 30 MA's), (109, 40627), (115, 40645), (120, 40666), (125, 40681), (143, 40753), (165, 40846), (185, 40918), (192, 40942), (215, 41029), (217, 41044), (254, 41227), (265, 41308), (276, 41389), (280, 41413), (281, 41416), (292, 41458), (319, 41569), (322, 41578), (324, 41587), (339, 41683), (346, 41722), (367, 41791), (377, 41815), (383, 41842), (390, 41872), (414, 41950), (420, 41974), (425, 41992), (426, 41995), (433, 42019), (441, 42064), (466, 42148),

Gene: Zerg_30 Start: 26357, Stop: 27550, Start Num: 68

Candidate Starts for Zerg_30:

(Start: 68 @26357 has 188 MA's), (91, 26441), (141, 26591), (151, 26645), (187, 26786), (287, 26867), (318, 26993), (319, 26999), (328, 27038), (338, 27098), (342, 27113), (349, 27155), (361, 27191), (377, 27245), (379, 27254), (418, 27368), (432, 27410), (434, 27419), (451, 27476), (452, 27479),

Gene: Zizzle_30 Start: 26445, Stop: 27641, Start Num: 135

Candidate Starts for Zizzle_30:

(Start: 135 @26445 has 38 MA's), (156, 26529), (199, 26679), (218, 26733), (240, 26826), (248, 26874), (262, 26985), (266, 27006), (322, 27288), (325, 27309), (346, 27405), (359, 27450), (373, 27495), (380, 27519), (396, 27579),

Gene: ZygoTaiga_247 Start: 144351, Stop: 145781, Start Num: 112

Candidate Starts for ZygoTaiga_247:

(Start: 112 @144351 has 181 MA's), (138, 144441), (152, 144504), (185, 144627), (192, 144651), (219, 144735), (230, 144777), (241, 144819), (265, 144984), (266, 144987), (318, 145242), (326, 145281), (332, 145311), (346, 145374), (351, 145395), (352, 145404), (354, 145407), (365, 145440), (371, 145455), (408, 145590), (431, 145665), (443, 145722), (444, 145725),