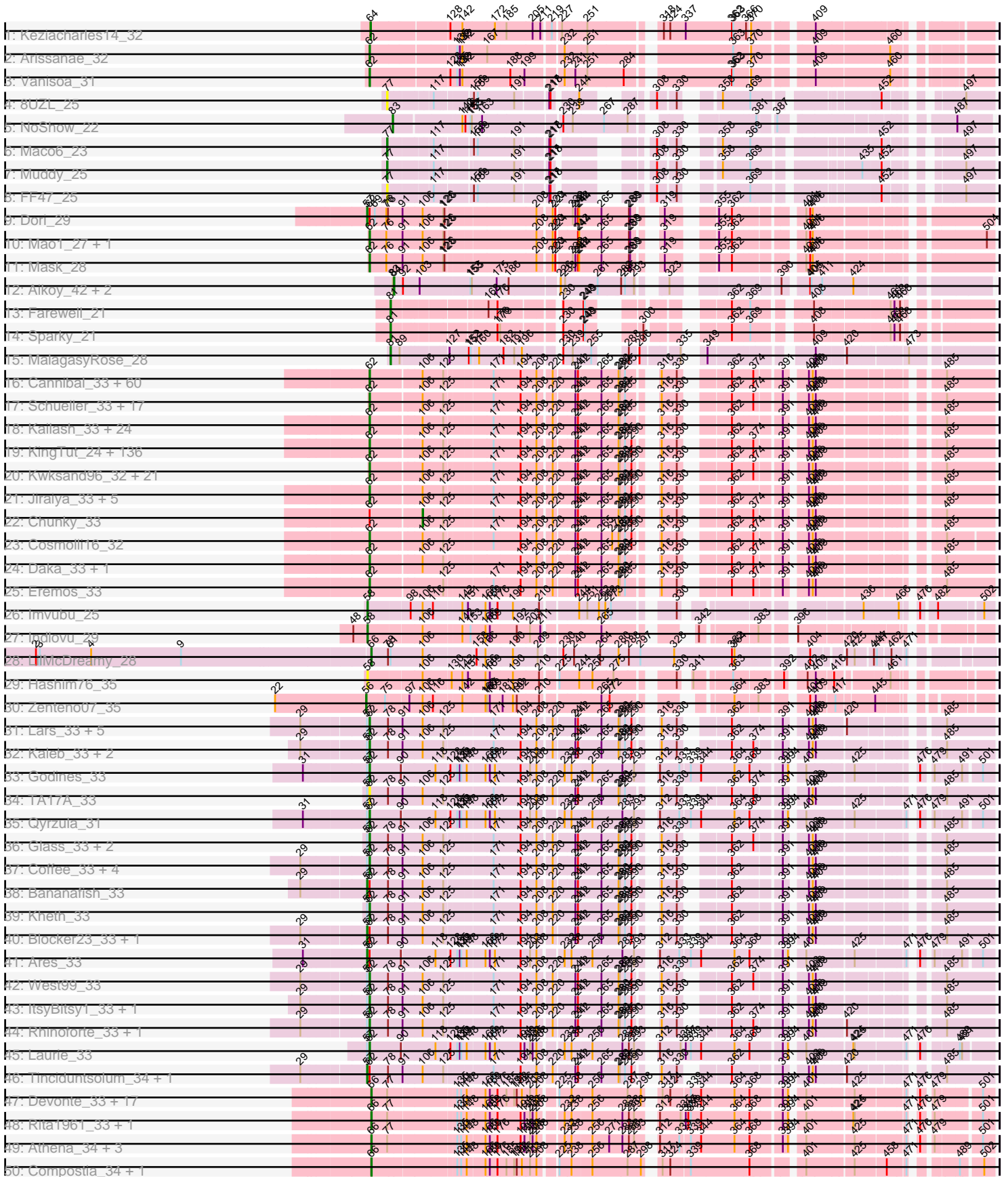
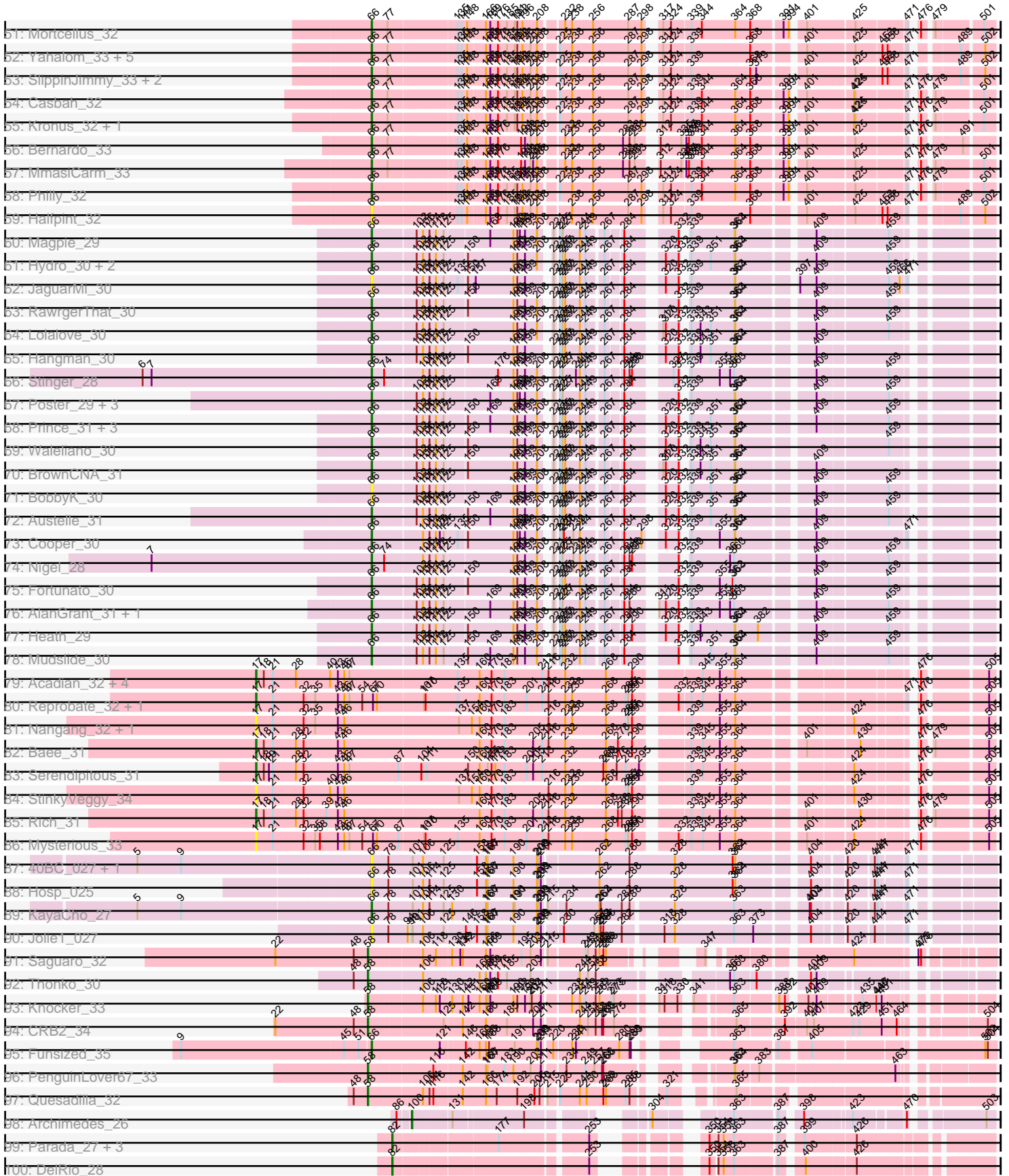


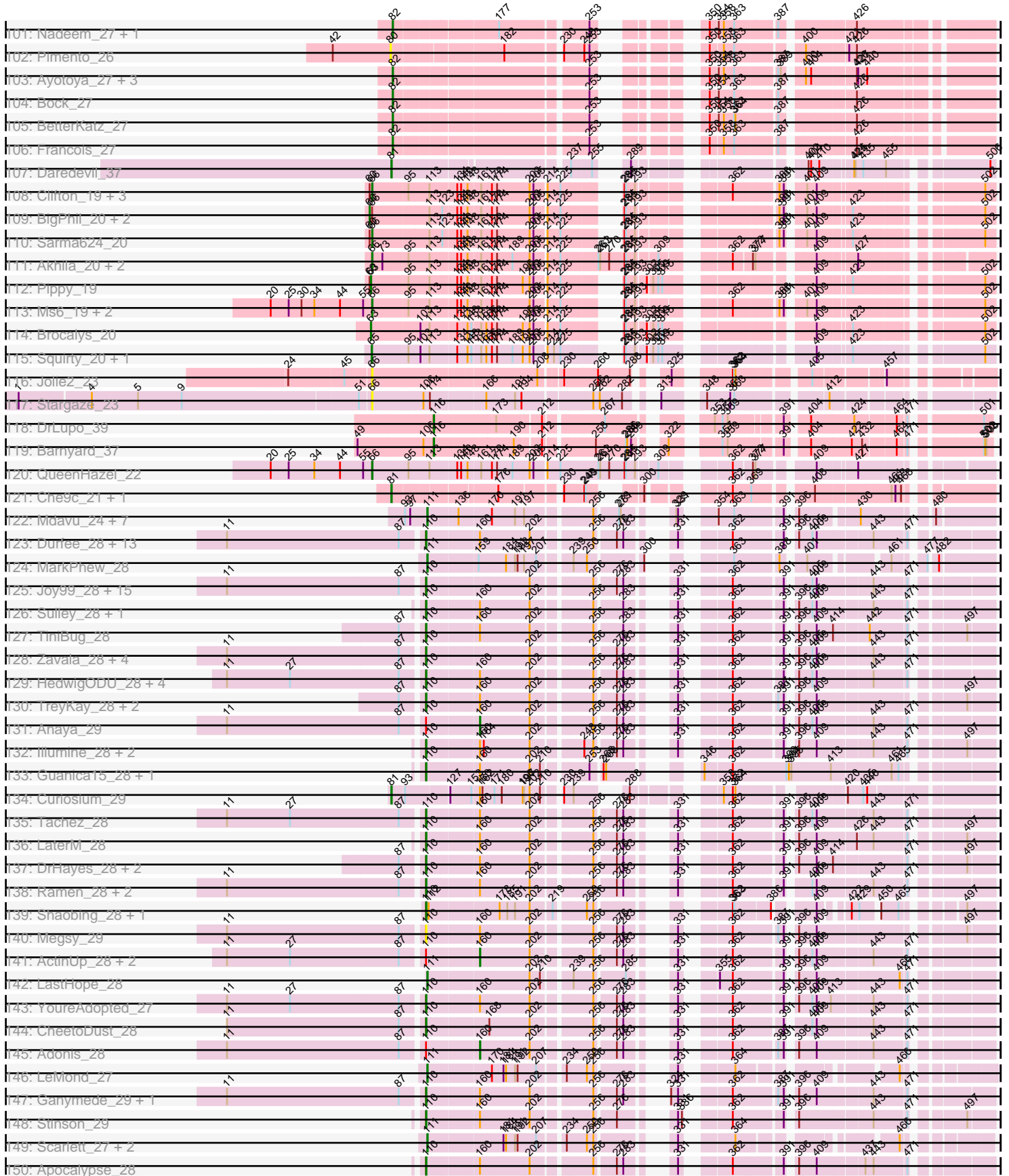
Pham 163229



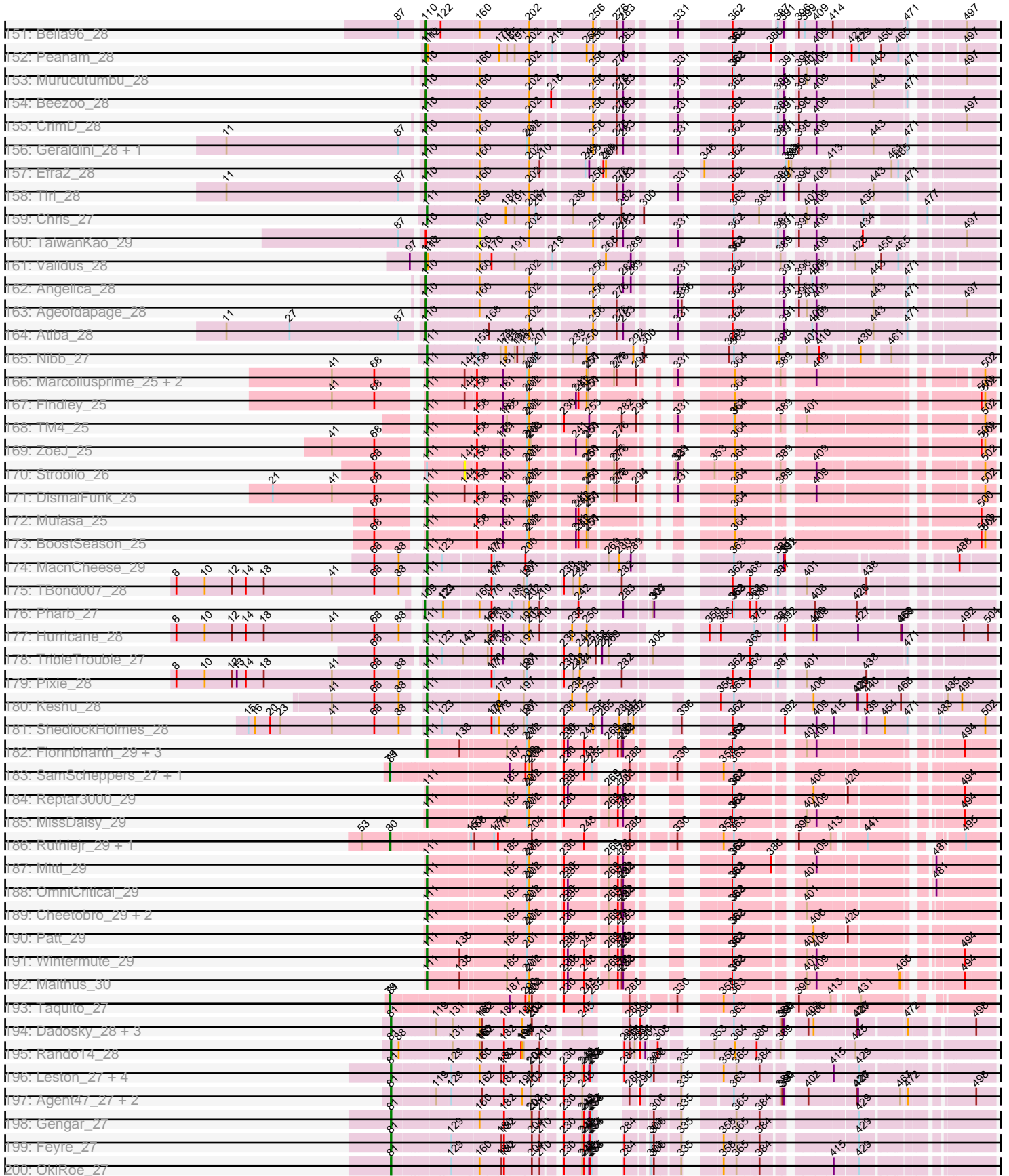
Pham 163229



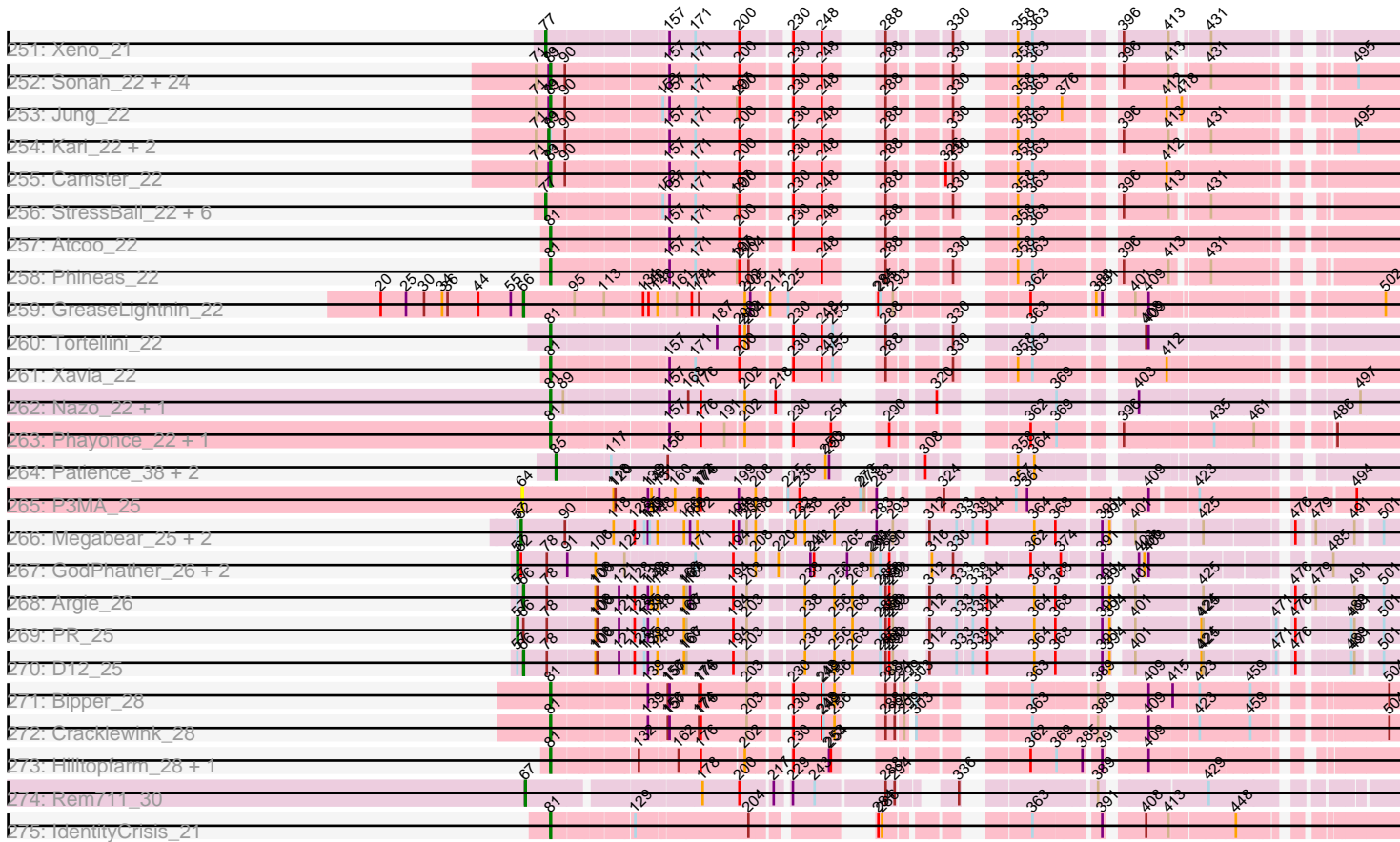
Pham 163229



Pham 163229



Pham 163229



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 163229 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163229 has 791 members, 76 are drafts.

Phages represented in each track:

- Track 1 : Keziacharles14_32
- Track 2 : Arissanae_32
- Track 3 : Vanisoa_31
- Track 4 : 8UZL_25
- Track 5 : NoShow_22
- Track 6 : Maco6_23
- Track 7 : Muddy_25
- Track 8 : FF47_25
- Track 9 : Dori_29
- Track 10 : Mao1_27, Sejanus_28
- Track 11 : Mask_28
- Track 12 : Aikoy_42, Onyinye_43, Leopard_42
- Track 13 : Farewell_21
- Track 14 : Sparky_21
- Track 15 : MalagasyRose_28
- Track 16 : Cannibal_33, Manad_32, Morgushi_33, UAch1_33, Schadenfreude_32, Timmi_32, Aelin_32, Coletti_32, PhrodoBaggins_32, Phleuron_32, Megatron_33, LeeLot_33, Robyn_32, Podrick_33, PinheadLarry_33, Lopsy_32, ProfessorX_33, Chute_32, Chaelin_33, Anderson_33, Harvey_33, SassyCat97_32, Chah_34, RedMaple_32, Iridoclysis_33, Kloppinator_33, Colbert_33, Zelda_33, EmpTee_33, ShiVal_33, Legolas_32, Carthage_31, Hocus_32, Brilliant_33, Skippy_33, Antonia_32, Daffy_33, Squid_33, Morty_33, Roscoe_34, DonSanchon_32, Vaishali24_32, Windsor_32, Virgeve_32, Vortex_33, Vivaldi_33, Tooj_33, DelRivs_32, Spartan300_33, Suffolk_33, Sophia_32, Surely_33, Hetaeria_33, Chorkpop_33, Keitherie_33, Olive_33, Soile_33, Mulan_32, Thora_33, Valjean_33, Quisquillae_33
- Track 17 : Schueller_33, Gophee_33, Puhltonio_33, Phipps_33, Beaglebox_32, Telesworld_32, Riggan_33, Apizium_32, Altwerkus_32, Plmatters_33, DoesntMatter_33, Fringe_33, Numberten_33, Andre_33, Slatt_33, Virapocalypse_33, Burr_32, JangoPhett_33
- Track 18 : Kailash_33, Mag7_32, LostAndPhound_32, Potter_32, CampRoach_32, Jiminy_32, LasagnaCat_33, Veritas_32, Swiphy_34, Doddsville_33, MitKao_33, Hartsy_32, Weher20_33, PhatLouie_33, Melc17_33, PhrankReynolds_32, Phergie_32, PhenghisKhan_32, Xavier_32, Mosaic_32, DuchessDung_31, Dati_33, BatteryCK_32, Oline_32, MichaelPhcott_32
- Track 19 : KingTut_24, Mana_32, Freya_32, Olak_33, Childish_32, Sigman_33, Scoot17C_33, BlackStallion_33, Lasso_33, Mcshane_32, Mecca_32, Samaymay_33,

IsaacEli_33, Haleema_32, Scrick_33, Bishoperium_32, Lulumae_32, AltPhacts_33,
 Craff_33, Orion_33, Lulwa_33, Dingo_33, FriarPreacher_33, Murdoc_33,
 Bluephacebaby_32, Squiggle_33, Kwadwo_32, Pacifista_34, Roliet_33,
 Tomlarah_33, GeneCoco_33, Banjo_32, Badfish_33, Adriana_33, Held_33,
 Lego3393_33, Giraffe_33, Kimbrough_33, Lumine_32, Horchata_33, Oosterbaan_33,
 Longacauda_32, Nyala_32, Matalotodo_32, Phareon_33, KingVeVeVe_33,
 Kahve_32, Usavi_33, Inverness_33, LeiMonet_33, Eugenia_33, LemonSlice_33,
 MRabcd_32, LuckyMarjie_32, HighStump_32, TallGrassMM_33, HSavage_33,
 DirtJuice_33, Vaticameos_33, Basato_34, Frankicide_33, Mesh1_33, Sheila_33,
 Cher_32, PG1_33, JacAttac_33, HenryJackson_32, Dione_32, Katniss_33,
 Charles1_33, PhatCats2014_33, True_32, Soto_33, Simielle_32, Piglet_0032,
 Zaider_34, CamL_33, Phunky_33, Phamished_33, FugateOSU_32, ABU_33,
 BlueHusk_33, Pinkman_32, Orfeu_32, Hamish_33, OliverWalter_33, Vista_33,
 Yoshand_33, FluffyNinja_33, Toni_32, Boehler_33, Swish_33, Hertubise_33,
 QueenBeane_33, Mutante_32, Serendipity_33, Roy17_33, Nacho_0033,
 Labeouficaum_32, CheetO_33, Placalicious_32, Omniscient_33, Megamind20_33,
 Serpentine_0033, KlimbOn_33, Haimas_33, Mikota_33, Waterdiva_33, Jillium_32,
 Nicole21_33, Grand2040_32, Solosis_32, ThreeOh3D2_33, Selr12_33, Maru_32,
 Kikipoo_33, Inchworm_33, Dice_34, UncleHowie_33, MiniBoss_33, Ricotta_33,
 Prickles_33, Pherdinand_33, Orwigg_33, Derpp_32, Magic8_33, TyrionL_32,
 Zonia_33, KLucky39_33, AbsoluteMadLad_32, Buckeye_33, Pipsqueak_33,
 SDcharge11_33, Fang_33, YouGoGlencoco_33, Duggie_32, Wallhey_32
 • Track 20 : Kwksand96_32, Durga_33, Ashraf_32, Gwilliam_33, Emiris_33,
 Cobra_33, JDog_33, Fozzie_32, Pops_33, MelsMeow_32, Gyarad_0033,
 OSmaximus_33, Etaye_33, Newman_33, Trypo_33, ImtiyazSitla_32,
 CharlieGBrown_32, Rimu_34, Crownjwl_33, MrPhizzler_32, Maskar_32, Gareth_32
 • Track 21 : Jiraiya_33, DaddyDaniels_33, TomBombadil_33, JakeO_32,
 Struggle_32, Thunderbird_33
 • Track 22 : Chunky_33
 • Track 23 : Cosmolli16_32
 • Track 24 : Daka_33, Cornobble_32
 • Track 25 : Eremos_33
 • Track 26 : Imvubu_25
 • Track 27 : Indlovu_29
 • Track 28 : LilMcDreamy_28
 • Track 29 : Hashim76_35
 • Track 30 : Zenteno07_35
 • Track 31 : Lars_33, Rosebush_33, Arbiter_33, Hedgerow_33, Allegro_33,
 FrenchFry_33
 • Track 32 : Kaleb_33, Eaglehorse_33, LizLemon_33
 • Track 33 : Godines_33
 • Track 34 : TA17A_33
 • Track 35 : Qyrzula_31
 • Track 36 : Glass_33, Phantasmagoria_33, Faze9_33
 • Track 37 : Coffee_33, Opia_33, Sabella_33, Holeinone_33, Tres_33
 • Track 38 : Bananafish_33
 • Track 39 : Kheth_33
 • Track 40 : Blocker23_33, Lephleur_33
 • Track 41 : Ares_33
 • Track 42 : West99_33
 • Track 43 : ItsyBitsy1_33, Calamitous_33
 • Track 44 : Rhinoforte_33, Boyle_33
 • Track 45 : Laurie_33

- Track 46 : Tincidunt_solum_34, Brownie5_33
- Track 47 : Devonte_33, RomaT_33, Nozo_33, ChaChing_33, Morty007_33, Marley1013_33, RagingRooster_33, Akoma_33, Chandler_33, LestyG_33, Abinghost_33, Deenasa_33, Audrey_33, SynergyX_33, Neos5_33, Heathcliff_33, Daisy_33, OrangeOswald_33
- Track 48 : Rita1961_33, Obutu_33
- Track 49 : Athena_34, Gervas_33, Tydolla_33, Baloo_33
- Track 50 : Compostia_34, GlenHope_34
- Track 51 : Mortcellus_32
- Track 52 : Yahalom_33, Phlyer_33, Jackstina_30, Phaedrus_31, Gadget_34, HarveySr_33
- Track 53 : SlippinJimmy_33, Kamiyu_33, Yinz_33
- Track 54 : Casbah_32
- Track 55 : Kronus_32, Ben11_32
- Track 56 : Bernardo_33
- Track 57 : MmasiCarm_33
- Track 58 : Philly_32
- Track 59 : Halfpint_32
- Track 60 : Magpie_29
- Track 61 : Hydro_30, Mithril_30, Zemanar_31
- Track 62 : JaguarMi_30
- Track 63 : RawrgerThat_30
- Track 64 : Lolalove_30
- Track 65 : Hangman_30
- Track 66 : Stinger_28
- Track 67 : Poster_29, JAMaL_30, ChrisnMich_29, Nanao_29
- Track 68 : Prince_31, VioletZ_30, Apex_30, Frederick_30
- Track 69 : Waleliano_30
- Track 70 : BrownCNA_31
- Track 71 : BobbyK_30
- Track 72 : Austelle_31
- Track 73 : Cooper_30
- Track 74 : Nigel_28
- Track 75 : Fortunato_30
- Track 76 : AlanGrant_31, Vincenzo_31
- Track 77 : Heath_29
- Track 78 : Mudslide_30
- Track 79 : Acadian_32, EastView9101_32, Donny_32, Suigeneris_32, SirJeffery_32
- Track 80 : Reprobate_32, Phelemich_32
- Track 81 : Nangang_32, DigitDog_32
- Track 82 : Bae_31
- Track 83 : Serendipitous_31
- Track 84 : StinkyVeggy_34
- Track 85 : Rich_31
- Track 86 : Mysterious_33
- Track 87 : 40BC_027, 39HC_027
- Track 88 : Hosp_025
- Track 89 : KayaCho_27
- Track 90 : Jolie1_027
- Track 91 : Saguaro_32
- Track 92 : Thonko_30
- Track 93 : Knocker_33
- Track 94 : CRB2_34

- Track 95 : Funsized_35
- Track 96 : PenguinLover67_33
- Track 97 : Quesadilla_32
- Track 98 : Archimedes_26
- Track 99 : Parada_27, Mulch_27, Brylie_27, NancyRae_27
- Track 100 : DelRio_28
- Track 101 : Nadeem_27, WheatThin_27
- Track 102 : Pimento_26
- Track 103 : Ayotoya_27, Hamood_27, Chop_27, GrandSlam_27
- Track 104 : Bock_27
- Track 105 : BetterKatz_27
- Track 106 : Francois_27
- Track 107 : Daredevil_37
- Track 108 : Clifton_19, LastJedi_19, Crumble_19, Koella_19
- Track 109 : BigPhil_20, Cerasum_20, Velveteen_20
- Track 110 : Sarma624_20
- Track 111 : Akhila_20, Xula_21, MilanaBonita_20
- Track 112 : Pippy_19
- Track 113 : Ms6_19, SpongeBob_21, Jamie19_21
- Track 114 : Brocalys_20
- Track 115 : Squirty_20, Fulbright_21
- Track 116 : Jolie2_23
- Track 117 : Stargaze_23
- Track 118 : DrLupo_39
- Track 119 : Barnyard_37
- Track 120 : QueenHazel_22
- Track 121 : Che9c_21, Purky_22
- Track 122 : Mdavu_24, Amelie_24, Nikao_24, LilPharaoh_24, Enkosi_24, Binglebops_24, SgtBeansprout_24, Nutello_24
- Track 123 : Durfee_28, Pokerus_27, Boiiii_28, Padfoot_28, Asayake_28, AlishaPH_28, CaseJules_28, BaghaKamala_28, Piatt_28, BEEST_28, Hyperbowlee_28, Blizzard_28, Homura_28, ShiaSurprise_28
- Track 124 : MarkPhew_28
- Track 125 : Joy99_28, Dalmuri_28, Inky_28, Jeckyll_28, BGlluviae_28, CREW_28, Belladonna_28, Jarvi_28, Peel_28, Llorens_28, Capricorn_28, Spock_28, Twitch_28, Topper_28, Lunahalos_28, Rosmarinus_28
- Track 126 : Sulley_28, Deby_28
- Track 127 : TiniBug_28
- Track 128 : Zavala_28, Mynx_28, Emerson_28, TruffulaTree_28, Padpat_28
- Track 129 : HedwigODU_28, Veliki_28, Rapunzel97_28, Adephagia_28, Slimphazie_28
- Track 130 : TreyKay_28, Prithvi_28, LindNT_28
- Track 131 : Anaya_29
- Track 132 : Illumine_28, Dole_28, Devera_28
- Track 133 : Guanica15_28, Yunkel11_28
- Track 134 : Curiosium_29
- Track 135 : Tachez_28
- Track 136 : LaterM_28
- Track 137 : DrHayes_28, Urkel_28, SamuelLPlaqson_28
- Track 138 : Ramen_28, BarrelRoll_28, JAWS_28
- Track 139 : Shaobing_28, Niklas_28
- Track 140 : Megsy_29
- Track 141 : ActinUp_28, Jayhawk_29, Zabiza_29

- Track 142 : LastHope_28
- Track 143 : YoureAdopted_27
- Track 144 : CheetoDust_28
- Track 145 : Adonis_28
- Track 146 : LeMond_27
- Track 147 : Ganymede_29, QuincyRose_27
- Track 148 : Stinson_29
- Track 149 : Scarlett_27, KiSi_27, Oscar_27
- Track 150 : Apocalypse_28
- Track 151 : Bella96_28
- Track 152 : Peanam_28
- Track 153 : Murucutumbu_28
- Track 154 : Beezoo_28
- Track 155 : CrimD_28
- Track 156 : Geraldini_28, MeaningOfLife_28
- Track 157 : Efra2_28
- Track 158 : Tiri_28
- Track 159 : Chris_27
- Track 160 : TaiwanKao_29
- Track 161 : Validus_28
- Track 162 : Angelica_28
- Track 163 : Ageofdapage_28
- Track 164 : Atiba_28
- Track 165 : Nibb_27
- Track 166 : Marcoliusprime_25, Milly_25, DismalStressor_25
- Track 167 : Findley_25
- Track 168 : TM4_25
- Track 169 : ZoeJ_25
- Track 170 : Strobilo_26
- Track 171 : DismalFunk_25
- Track 172 : Mufasa_25
- Track 173 : BoostSeason_25
- Track 174 : MacnCheese_29
- Track 175 : TBond007_28
- Track 176 : Pharb_27
- Track 177 : Hurricane_28
- Track 178 : TripleTrouble_27
- Track 179 : Pixie_28
- Track 180 : Keshu_28
- Track 181 : ShedlockHolmes_28
- Track 182 : Fionnbharth_29, Y10_29, JF1_29, Y2_29
- Track 183 : SamScheppers_27, Eponine_29
- Track 184 : Reptar3000_29
- Track 185 : MissDaisy_29
- Track 186 : Ruthiejr_29, Juliette_30
- Track 187 : Mitti_29
- Track 188 : OmniCritical_29
- Track 189 : Cheetobro_29, Chancellor_29, Slarp_29
- Track 190 : Patt_29
- Track 191 : Wintermute_29
- Track 192 : Malthus_30
- Track 193 : Taquito_27
- Track 194 : Dadosky_28, Larva_28, AlleyCat_28, Psycho_28

- Track 195 : Rando14_28
- Track 196 : Leston_27, SoSeph_27, Heftyboy_27, Paola_27, Guillsminger_27
- Track 197 : Agent47_27, Collard_27, InvictusManeo_27
- Track 198 : Gengar_27
- Track 199 : Feyre_27
- Track 200 : OkiRoe_27
- Track 201 : Waterfoul_27
- Track 202 : Kratio_26
- Track 203 : Omnicron_28
- Track 204 : Thyatira_27
- Track 205 : Edugator_27
- Track 206 : Miryou_27
- Track 207 : Ekdilam_25
- Track 208 : Bryler_28, Phrank_28, Cain_28
- Track 209 : Yuna_29
- Track 210 : Shadow1_27
- Track 211 : Amohnition_27
- Track 212 : Krueger_28
- Track 213 : Tierra_28
- Track 214 : Marshawn_29
- Track 215 : Hammy_27
- Track 216 : Fefferhead_27
- Track 217 : Syra333_28
- Track 218 : TClif_29
- Track 219 : Ximenita_29
- Track 220 : PhelpsODU_28, Unicorn_28
- Track 221 : Sunflower1121_27
- Track 222 : Amgine_26
- Track 223 : DarthP_27
- Track 224 : Ellie_25
- Track 225 : Tyson_21, MAckerman_21, AvadaKedavra_21, Rose5_21, Silverleaf_21, Acquire49_21, Enceladus_21, OhShagHennessy_21, DirkDirk_21, Halena_21, Wyatt2_21, Wamburgxpress_21
- Track 226 : UPIE_21, LeBron_21, Appletree2_21, CicholasNage_21, JoeDirt_21
- Track 227 : Calm_21, Zaria_21
- Track 228 : Jobypre_22, Jubie_22, Nicholas_22, Lumos_22, Snenia_22, Kingsolomon_22, Clautastrophe_22, MsGreen_22
- Track 229 : Bellis_22, Finnry_22, Moostard_22, Samty_22
- Track 230 : MiniLon_22, Lolly9_22
- Track 231 : MiniMac_22
- Track 232 : DuncansLeg_22
- Track 233 : Whirlwind_23
- Track 234 : Krypton555_22
- Track 235 : Ellson_22
- Track 236 : TyDawg_31, Bongo_31, LilhomieP_30, Bricole_31, IPhane7_31, PegLeg_31
- Track 237 : Skinny_32
- Track 238 : Auspice_31, Diminimus_32, SlimJimmy_30, Dulcita_32, Glaske16_32
- Track 239 : Nanosmite_35
- Track 240 : Nenae_21, Redi_21, PhancyPhin_21, BabeRuth_21, ShrimpFriedEgg_21, Purgamenstris_21
- Track 241 : SkinnyPete_21, Panchino_21
- Track 242 : Butters_22, Rubeelu_22

- Track 243 : Snekmaggedon_21
- Track 244 : Phrann_21
- Track 245 : Kevin1_22
- Track 246 : Andies_21, Willsammy_22, Dynamo_22, Scitech_21
- Track 247 : MichelleMyBell_22
- Track 248 : Rebel_21
- Track 249 : Raymond7_21
- Track 250 : Phloss_21
- Track 251 : Xeno_21
- Track 252 : Sonah_22, Bartholomew_22, Ksquared_22, Phegasus_22, Fishburne_22, Techage_22, Brusacoram_22, Bunnies_22, Zilizebeth_22, Juniormint_22, Jebeks_22, Venti_22, Polkaroo_22, Mangethe_22, Necropolis_22, Majeke_22, HUHilltop_22, Vidya_22, FirstPlacePfu_22, HC_22, Babsiella_22, StevieRay_22, Donovan_22, Thespiis_22, Arib1_22
- Track 253 : Jung_22
- Track 254 : Kari_22, Langerak_22, Malithi_22
- Track 255 : Camster_22
- Track 256 : StressBall_22, Glaske_22, CactusJack_22, Shweta_21, Megiddo_22, KilKor_22, Phalm_22
- Track 257 : Atcoo_22
- Track 258 : Phineas_22
- Track 259 : GreaseLightnin_22
- Track 260 : Tortellini_22
- Track 261 : Xavia_22
- Track 262 : Nazo_22, BigNuz_22
- Track 263 : Phayonce_22, ThulaThula_22
- Track 264 : Patience_38, Labelle_37, Madruga_36
- Track 265 : P3MA_25
- Track 266 : Megabear_25, Cepens_25, Taptic_25
- Track 267 : GodPhather_26, MasterPo_33, Jeon_25
- Track 268 : Argie_26
- Track 269 : PR_25
- Track 270 : D12_25
- Track 271 : Bipper_28
- Track 272 : Cracklewink_28
- Track 273 : Hilltopfarm_28, Typha_28
- Track 274 : Rem711_30
- Track 275 : IdentityCrisis_21

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

The start number called the most often in the published annotations is 62, it was called in 278 of the 715 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_33, AbsoluteMadLad_32, Adriana_33, Aelin_32, Allegro_33, AltPhacts_33, Altwerkus_32, Anderson_33, Andre_33, Antonia_32, Apizium_32, Arbiter_33, Arissanae_32, Ashraf_32, Badfish_33, Banjo_32, Basato_34, BatteryCK_32, Beaglebox_32, Bishoperium_32, BlackStallion_33, BlueHusk_33, Bluephacebaby_32, Bohler_33, Boyle_33, Brilliant_33, Buckeye_33, Burr_32,

Calamitous_33, CamL_33, CampRoach_32, Cannibal_33, Carthage_31, Cepens_25, Chaelin_33, Chah_34, Charles1_33, CharlieGBrown_32, CheetO_33, Cher_32, Childish_32, Chorkpop_33, Chute_32, Cobra_33, Coffee_33, Colbert_33, Coletti_32, Cornobble_32, Cosmolli16_32, Craff_33, Crownjwl_33, DaddyDaniels_33, Daffy_33, Daka_33, Dati_33, DelRivs_32, Derpp_32, Dice_34, Dingo_33, Dione_32, DirtJuice_33, Doddsville_33, DoesntMatter_33, DonSanchon_32, DuchessDung_31, Duggie_32, Durga_33, Eaglehorse_33, Emiris_33, EmpTee_33, Eremos_33, Etaye_33, Eugenia_33, Fang_33, Faze9_33, FluffyNinja_33, Fozzie_32, Frankicide_33, FrenchFry_33, Freya_32, FriarPreacher_33, Fringe_33, FugateOSU_32, Gareth_32, GeneCoco_33, Giraffe_33, Glass_33, Godines_33, Gophee_33, Grand2040_32, Gwilliam_33, Gyarad_0033, HSavage_33, Haimas_33, Haleema_32, Hamish_33, Hartsy_32, Harvey_33, Hedgerow_33, Held_33, HenryJackson_32, Hertubise_33, Hetaeria_33, HighStump_32, Hocus_32, Holeinone_33, Horchata_33, ImtiyazSitla_32, Inchworm_33, Inverness_33, Iridoclysis_33, IsaacEli_33, ItsyBitsy1_33, JDog_33, JacAttac_33, JakeO_32, JangoPhett_33, Jillium_32, Jiminy_32, Jiraiya_33, KLucky39_33, Kahve_32, Kailash_33, Kaleb_33, Katniss_33, Keitherie_33, Kheth_33, Kikipoo_33, Kimbrough_33, KingTut_24, KingVeVeVe_33, KlimbOn_33, Kloppinator_33, Kwadwo_32, Kwksand96_32, Labeouficaum_32, Lars_33, LasagnaCat_33, Lasso_33, Laurie_33, LeeLot_33, Lego3393_33, Legolas_32, LeiMonet_33, LemonSlice_33, LizLemon_33, Longacauda_32, Lopsy_32, LostAndPhound_32, LuckyMarjie_32, Lulumae_32, Lulwa_33, Lumine_32, MRabcd_32, Mag7_32, Magic8_33, Mana_32, Manad_32, Mao1_27, Maru_32, Mask_28, Maskar_32, Matalotodo_32, Mcshane_32, Mecca_32, Megabear_25, Megamind20_33, Megatron_33, Melc17_33, MelsMeow_32, Mesh1_33, MichaelPhcott_32, Mikota_33, MiniBoss_33, MitKao_33, Morgushi_33, Morty_33, Mosaic_32, MrPhizzler_32, Mulan_32, Murdoc_33, Mutante_32, Nacho_0033, Newman_33, Nicole21_33, Numberten_33, Nyala_32, OSmaximus_33, Olak_33, Oline_32, Olive_33, OliverWalter_33, Omniscient_33, Oosterbaan_33, Opia_33, Orfeu_32, Orion_33, Orwigg_33, PG1_33, Pacifista_34, Phamished_33, Phantasmagoria_33, Phareon_33, PhatCats2014_33, PhatLouie_33, PhenghisKhan_32, Pherdinand_33, Phergie_32, Phipps_33, Phleuron_32, PhrankReynolds_32, PhrodoBaggins_32, Phunky_33, Piglet_0032, PinheadLarry_33, Pinkman_32, Pipsqueak_33, Placalicious_32, Plmatters_33, Podrick_33, Pops_33, Potter_32, Prickles_33, ProfessorX_33, Puhltonio_33, QueenBeane_33, Quisquiliae_33, Qyrzula_31, RedMaple_32, Rhinoforte_33, Ricotta_33, Riggan_33, Rimu_34, Robyn_32, Roliet_33, Roscoe_34, Rosebush_33, Roy17_33, SDcharge11_33, Sabella_33, Samaymay_33, SassyCat97_32, Schadenfreude_32, Schueller_33, Scoot17C_33, Scrick_33, Sejanus_28, Selr12_33, Serendipity_33, Serpentine_0033, Sheila_33, ShiVal_33, Sigman_33, Simielle_32, Skippy_33, Slatt_33, Soile_33, Solosis_32, Sophia_32, Soto_33, Spartan300_33, Squid_33, Squiggle_33, Struggle_32, Suffolk_33, Surely_33, Swiphy_34, Swish_33, TA17A_33, TallGrassMM_33, Taptic_25, Telesworld_32, Thora_33, ThreeOh3D2_33, Thunderbird_33, Timmi_32, TomBombadil_33, Tomlarah_33, Toni_32, Tooj_33, Tres_33, True_32, Trypo_33, TyrionL_32, UAch1_33, UncleHowie_33, Usavi_33, Vaishali24_32, Valjean_33, Vanisoa_31, Vaticameos_33, Veritas_32, Virapocalypse_33, Virgeve_32, Vista_33, Vivaldi_33, Vortex_33, Wallhey_32, Waterdiva_33, Weher20_33, West99_33, Windsor_32, Xavier_32, Yoshand_33, YouGoGlencoco_33, Zaidar_34, Zeldar_33, Zonia_33,

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

• Ares_33, Bananafish_33, Blocker23_33, Brownie5_33, Chunky_33, Dori_29, GodPhather_26, Jeon_25, Lephleur_33, MasterPo_33, Tinciduntolum_34,

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

• 39HC_027, 40BC_027, 8UZL_25, Abinghost_33, Acadian_32, Acquire49_21, ActinUp_28, Adephagia_28, Adonis_28, Agent47_27, Ageofdapage_28, Aikoy_42, Akhila_20, Akoma_33, AlanGrant_31, AlishaPH_28, AlleyCat_28, Amelie_24, Amgine_26, Amohniton_27, Anaya_29, Andies_21, Angelica_28, Apex_30, Apocalypse_28, Appletree2_21, Archimedes_26, Argie_26, Arib1_22, Asayake_28, Atcoo_22, Athena_34, Atiba_28, Audrey_33, Auspice_31, Austelle_31, AvadaKedavra_21, Ayotoya_27, BEEST_28, BGIlluviae_28, BabeRuth_21, Babsiella_22, Bae_31, BaghaKamala_28, Baloo_33, Barnyard_37, BarrelRoll_28, Bartholomew_22, Beezoo_28, Bella96_28, Belladonna_28, Bellis_22, Ben11_32, Bernardo_33, BetterKatz_27, BigNuz_22, BigPhil_20, Binglebops_24, Bipper_28, Blizzard_28, BobbyK_30, Bock_27, Boiiii_28, Bongo_31, BoostSeason_25, Bricole_31, Brocalys_20, BrownCNA_31, Brusacoram_22, Bryler_28, Brylie_27, Bunnies_22, Butters_22, CRB2_34, CREW_28, CactusJack_22, Cain_28, Calm_21, Camster_22, Capricorn_28, Casbah_32, CaseJules_28, Cerasum_20, ChaChing_33, Chancellor_29, Chandler_33, Che9c_21, CheetoDust_28, Cheetobro_29, Chop_27, Chris_27, ChrisnMich_29, CicholasNage_21, Clautastrophe_22, Clifton_19, Collard_27, Compostia_34, Cooper_30, Cracklewink_28, CrimD_28, Crumble_19, Curiosium_29, D12_25, Dadosky_28, Daisy_33, Dalmuri_28, Daredevil_37, DARTH_27, Deby_28, Deenasa_33, DelRio_28, Devera_28, Devonte_33, DigitDog_32, Diminimus_32, DirkDirk_21, DismalFunk_25, DismalStressor_25, Dole_28, Donny_32, Donovan_22, DrHayes_28, DrLupo_39, Dulcita_32, DuncansLeg_22, Durfee_28, Dynamo_22, EastView9101_32, Edugator_27, Efra2_28, Ekdilam_25, Ellie_25, Ellson_22, Emerson_28, Enceladus_21, Enkosi_24, Eponine_29, FF47_25, Farewell_21, Fefferhead_27, Feyre_27, Findley_25, Finny_22, Fionnbharth_29, FirstPlacePfu_22, Fishburne_22, Fortunato_30, Francois_27, Frederick_30, Fulbright_21, Funsized_35, Gadget_34, Ganymede_29, Gengar_27, Geraldini_28, Gervas_33, Glaske16_32, Glaske_22, GlenHope_34, GrandSlam_27, GreaseLightnin_22, Guanica15_28, Guillsminger_27, HC_22, HUHilltop_22, Halena_21, Halfpint_32, Hammy_27, Hamood_27, Hangman_30, HarveySr_33, Hashim76_35, Heath_29, Heathcliff_33, HedwigODU_28, Heftyboy_27, Hilltopfarm_28, Homura_28, Hosp_025, Hurricane_28, Hydro_30, Hyperbowlee_28, IPhane7_31, IdentityCrisis_21, Illumine_28, Imvubu_25, Indlovu_29, Inky_28, InvictusManeo_27, JAMaL_30, JAWS_28, JF1_29, Jackstina_30, JaguarMi_30, Jamie19_21, Jarvi_28, Jayhawk_29, Jebeks_22, Jeckyll_28, Jobypre_22, JoeDirt_21, Jolie1_027, Jolie2_23, Joy99_28, Jubie_22, Juliette_30, Jung_22, Juniormint_22, Kamiyu_33, Kari_22, KayaCho_27, Keshu_28, Kevin1_22, Keziacharles14_32, KiSi_27, KilKor_22, Kingsolomon_22, Knocker_33, Koella_19, Kratio_26, Kronus_32, Krueger_28, Krypton555_22, Ksquared_22, Labelle_37, Langerak_22, Larva_28, LastHope_28, LastJedi_19, LaterM_28, LeBron_21, LeMond_27, Leopard_42, Leston_27, LestyG_33, LilMcDreamy_28, LilPharaoh_24, LilhomieP_30, LindNT_28, Llorens_28, Lolalove_30, Lolly9_22, Lumos_22, Lunahalos_28, MAckerman_21, MacnCheese_29, Maco6_23, Madruga_36, Magpie_29, Majeke_22, MalagasyRose_28, Malithi_22, Malthus_30, Mangethe_22, Marcoliusprime_25, MarkPhew_28, Marley1013_33, Marshawn_29, Mdavu_24, MeaningOfLife_28, Megiddo_22, Megsy_29, MichelleMyBell_22, MilanaBonita_20, Milly_25, MiniLon_22, MiniMac_22, Miryou_27, MissDaisy_29, Mithril_30, Mitti_29, MmasiCarm_33, Moostard_22, Mortcellus_32, Morty007_33, Ms6_19, MsGreen_22, Muddy_25, Mudslide_30, Mufasa_25, Mulch_27, Murucutumbu_28, Mynx_28, Mysterious_33, Nadeem_27, Nanao_29, NancyRae_27, Nangang_32, Nanosmite_35, Nazo_22, Necropolis_22, Nenae_21, Neos5_33, Nibb_27, Nicholas_22, Nigel_28, Nikao_24, Niklas_28, NoShow_22, Nozo_33,

Nutello_24, Obutu_33, OhShagHennessy_21, OkiRoe_27, OmniCritical_29, Omnicron_28, Onyinye_43, OrangeOswald_33, Oscar_27, P3MA_25, PR_25, Padfoot_28, Padpat_28, Panchino_21, Paola_27, Parada_27, Patience_38, Patt_29, Peanam_28, Peel_28, PegLeg_31, PenguinLover67_33, Phaedrus_31, Phalm_22, PhancyPhin_21, Pharb_27, Phayonce_22, Phegasus_22, Phelemich_32, PhelpsODU_28, Philly_32, Phineas_22, Phloss_21, Phlyer_33, Phrank_28, Phrann_21, Piatt_28, Pimento_26, Pippy_19, Pixie_28, Pokerus_27, Polkaroo_22, Poster_29, Prince_31, Prithvi_28, Psycho_28, Purgamenstris_21, Purky_22, QueenHazel_22, Quesadilla_32, QuincyRose_27, RagingRooster_33, Ramen_28, Rando14_28, Rapunzel97_28, RawrgerThat_30, Raymond7_21, Rebel_21, Redi_21, Rem711_30, Reprobate_32, Reptar3000_29, Rich_31, Rita1961_33, RomaT_33, Rose5_21, Rosmarinus_28, Rubeelu_22, Ruthiejr_29, Saguaro_32, SamScheppers_27, Samty_22, SamuelLPlaqson_28, Sarma624_20, Scarlett_27, Scitech_21, Serendipitous_31, SgtBeansprout_24, Shadow1_27, Shaobing_28, ShedlockHolmes_28, ShiaSurprise_28, ShrimpFriedEgg_21, Shweta_21, Silverleaf_21, SirJeffery_32, SkinnyPete_21, Skinny_32, Slarp_29, SlimJimmy_30, Slimphazie_28, SlippinJimmy_33, Snekmaggon_21, Snenia_22, SoSeph_27, Sonah_22, Sparky_21, Spock_28, SpongeBob_21, Squirty_20, Stargaze_23, StevieRay_22, Stinger_28, StinkyVeggy_34, Stinson_29, StressBall_22, Strobilo_26, Suigeneris_32, Sulley_28, Sunflower1121_27, SynergyX_33, Syra333_28, TBond007_28, TClif_29, TM4_25, Tachez_28, TaiwanKao_29, Taquito_27, Techage_22, Thespi_22, Thonko_30, ThulaThula_22, Thyatira_27, Tierra_28, TiniBug_28, Tiri_28, Topper_28, Tortellini_22, TreyKay_28, TribbleTrouble_27, TruffulaTree_28, Twitch_28, TyDawg_31, Tydolla_33, Typha_28, Tyson_21, UPIE_21, Unicorn_28, Urkel_28, Validus_28, Veliki_28, Velveteen_20, Venti_22, Vidya_22, Vincenzo_31, VioletZ_30, Waleliano_30, Wamburggrxpress_21, Waterfoul_27, WheatThin_27, Whirlwind_23, Willsammy_22, Wintermute_29, Wyatt2_21, Xavia_22, Xeno_21, Ximenita_29, Xula_21, Y10_29, Y2_29, Yahalom_33, Yinz_33, YoureAdopted_27, Yuna_29, Yunkel11_28, Zabiza_29, Zaria_21, Zavala_28, Zemanar_31, Zenteno07_35, Zilizebeth_22, ZoeJ_25,

Summary by start number:

Start 17:

- Found in 14 of 791 (1.8%) of genes in pham
- Manual Annotations of this start: 8 of 715
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acadian_32 (B5), Bae_31 (B5), DigitDog_32 (B5), Donny_32 (B5), EastView9101_32 (B5), Mysterious_33 (B5), Nangang_32 (B5), Phelemich_32 (B5), Reprobate_32 (B5), Rich_31 (B5), Serendipitous_31 (B5), SirJeffery_32 (B5), StinkyVeggy_34 (B5), Suigeneris_32 (B5),

Start 56:

- Found in 1 of 791 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 715
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Zenteno07_35 (B13),

Start 57:

- Found in 43 of 791 (5.4%) of genes in pham
- Manual Annotations of this start: 11 of 715
- Called 25.6% of time when present

- Phage (with cluster) where this start called: Ares_33 (B2), Bananafish_33 (B2), Blocker23_33 (B2), Brownie5_33 (B2), Dori_29 (AD), GodPhather_26 (W), Jeon_25 (W), Lephleur_33 (B2), MasterPo_33 (B2), PR_25 (W), Tinciduntolum_34 (B2),

Start 58:

- Found in 9 of 791 (1.1%) of genes in pham
- Manual Annotations of this start: 8 of 715
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CRB2_34 (B9), Hashim76_35 (B13), Imvubu_25 (B10), Indlovu_29 (B11), Knocker_33 (B9), PenguinLover67_33 (B9), Quesadilla_32 (B9), Saguaro_32 (B7), Thonko_30 (B8),

Start 60:

- Found in 9 of 791 (1.1%) of genes in pham
- Manual Annotations of this start: 3 of 715
- Called 33.3% of time when present
- Phage (with cluster) where this start called: BigPhil_20 (F1), Cerasum_20 (F1), Velveteen_20 (F1),

Start 61:

- Found in 19 of 791 (2.4%) of genes in pham
- Manual Annotations of this start: 5 of 715
- Called 26.3% of time when present
- Phage (with cluster) where this start called: Appletree2_21 (L1), CicholasNage_21 (L1), JoeDirt_21 (L1), LeBron_21 (L1), UPIE_21 (L1),

Start 62:

- Found in 319 of 791 (40.3%) of genes in pham
- Manual Annotations of this start: 278 of 715
- Called 96.6% of time when present
- Phage (with cluster) where this start called: ABU_33 (B1), AbsoluteMadLad_32 (B1), Adriana_33 (B1), Aelin_32 (B1), Allegro_33 (B2), AltPhacts_33 (B1), Altwerkus_32 (B1), Anderson_33 (B1), Andre_33 (B1), Antonia_32 (B1), Apizium_32 (B1), Arbitr_33 (B2), Arissanae_32 (A9), Ashraf_32 (B1), Badfish_33 (B1), Banjo_32 (B1), Basato_34 (B1), BatteryCK_32 (B1), Beaglebox_32 (B1), Bishoperium_32 (B1), BlackStallion_33 (B1), BlueHusk_33 (B1), Bluephacebaby_32 (B1), Boehler_33 (B1), Boyle_33 (B2), Brilliant_33 (B1), Buckeye_33 (B1), Burr_32 (B1), Calamitous_33 (B2), CamL_33 (B1), CampRoach_32 (B1), Cannibal_33 (B1), Carthage_31 (B1), Cepens_25 (W), Chaelin_33 (B1), Chah_34 (B1), Charles1_33 (B1), CharlieGBrown_32 (B1), CheetO_33 (B1), Cher_32 (B1), Childish_32 (B1), Chorkpop_33 (B1), Chute_32 (B1), Cobra_33 (B1), Coffee_33 (B2), Colbert_33 (B1), Coletti_32 (B1), Cornobble_32 (B1), Cosmolli16_32 (B1), Craff_33 (B1), Crownjwl_33 (B1), DaddyDaniels_33 (B1), Daffy_33 (B1), Daka_33 (B1), Dati_33 (B1), DelRivs_32 (B1), Derpp_32 (B1), Dice_34 (B1), Dingo_33 (B1), Dione_32 (B1), DirtJuice_33 (B1), Doddsville_33 (B1), DoesntMatter_33 (B1), DonSanchon_32 (B1), DuchessDung_31 (B1), Duggie_32 (B1), Durga_33 (B1), Eaglehorse_33 (B2), Emiris_33 (B1), EmpTee_33 (B1), Eremos_33 (B1), Etaye_33 (B1), Eugenia_33 (B1), Fang_33 (B1), Faze9_33 (B2), FluffyNinja_33 (B1), Fozzie_32 (B1), Frankicide_33 (B1), FrenchFry_33 (B2), Freya_32 (B1), FriarPreacher_33 (B1), Fringe_33 (B1), FugateOSU_32 (B1), Gareth_32 (B1), GeneCoco_33 (B1), Giraffe_33 (B1), Glass_33 (B2), Godines_33 (B2), Gophee_33 (B1), Grand2040_32 (B1), Gwilliam_33 (B1), Gyarad_0033 (B1), HSavage_33 (B1), Haimas_33 (B1), Haleema_32 (B1), Hamish_33 (B1), Hartsy_32 (B1), Harvey_33 (B1), Hedgerow_33 (B2), Held_33 (B1),

HenryJackson_32 (B1), Hertubise_33 (B1), Hetaeria_33 (B1), HighStump_32 (B1), Hocus_32 (B1), Holeinone_33 (B2), Horchata_33 (B1), ImtiyazSitla_32 (B1), Inchworm_33 (B1), Inverness_33 (B1), Iridoclysis_33 (B1), IsaacEli_33 (B1), ItsyBitsy1_33 (B2), JDog_33 (B1), JacAttac_33 (B1), JakeO_32 (B1), JangoPhett_33 (B1), Jillium_32 (B1), Jiminy_32 (B1), Jiraiya_33 (B1), KLucky39_33 (B1), Kahve_32 (B1), Kailash_33 (B1), Kaleb_33 (B2), Katniss_33 (B1), Keitherie_33 (B1), Kheth_33 (B2), Kikipoo_33 (B1), Kimbrough_33 (B1), KingTut_24 (B1), KingVeVeVe_33 (B1), KlimbOn_33 (B1), Kloppinator_33 (B1), Kwadwo_32 (B1), Kwksand96_32 (B1), Labeouficaum_32 (B1), Lars_33 (B2), LasagnaCat_33 (B1), Lasso_33 (B1), Laurie_33 (B2), LeeLot_33 (B1), Lego3393_33 (B1), Legolas_32 (B1), LeiMonet_33 (B1), LemonSlice_33 (B1), LizLemon_33 (B2), Longacauda_32 (B1), Lopsy_32 (B1), LostAndPhound_32 (B1), LuckyMarjie_32 (B1), Lulumae_32 (B1), Lulwa_33 (B1), Lumine_32 (B1), MRabcd_32 (B1), Mag7_32 (B1), Magic8_33 (B1), Mana_32 (B1), Manad_32 (B1), Mao1_27 (AD), Maru_32 (B1), Mask_28 (AD), Maskar_32 (B1), Matalotodo_32 (B1), Mcshane_32 (B1), Mecca_32 (B1), Megabear_25 (W), Megamind20_33 (B1), Megatron_33 (B1), Melc17_33 (B1), MelsMeow_32 (B1), Mesh1_33 (B1), MichaelPhcott_32 (B1), Mikota_33 (B1), MiniBoss_33 (B1), MitKao_33 (B1), Morgushi_33 (B1), Morty_33 (B1), Mosaic_32 (B1), MrPhizzler_32 (B1), Mulan_32 (B1), Murdoc_33 (B1), Mutante_32 (B1), Nacho_0033 (B1), Newman_33 (B1), Nicole21_33 (B1), Numberten_33 (B1), Nyala_32 (B1), OSmaximus_33 (B1), Olak_33 (B1), Oline_32 (B1), Olive_33 (B1), OliverWalter_33 (B1), Omniscient_33 (B1), Oosterbaan_33 (B1), Opia_33 (B2), Orfeu_32 (B1), Orion_33 (B1), Orwigg_33 (B1), PG1_33 (B1), Pacifista_34 (B1), Phamished_33 (B1), Phantasmagoria_33 (B2), Phareon_33 (B1), PhatCats2014_33 (B1), PhatLouie_33 (B1), Phenghiskhan_32 (B1), Pherdinand_33 (B1), Phergie_32 (B1), Phipps_33 (B1), Phleuron_32 (B1), PhrankReynolds_32 (B1), PhrodoBaggins_32 (B1), Phunky_33 (B1), Piglet_0032 (B1), PinheadLarry_33 (B1), Pinkman_32 (B1), Pipsqueak_33 (B1), Placalicious_32 (B1), Plmatters_33 (B1), Podrick_33 (B1), Pops_33 (B1), Potter_32 (B1), Prickles_33 (B1), ProfessorX_33 (B1), Puhltonio_33 (B1), QueenBeane_33 (B1), Quisquiliae_33 (B1), Qyrzula_31 (B2), RedMaple_32 (B1), Rhinoforte_33 (B2), Ricotta_33 (B1), Riggan_33 (B1), Rimu_34 (B1), Robyn_32 (B1), Roliet_33 (B1), Roscoe_34 (B1), Rosebush_33 (B2), Roy17_33 (B1), SDcharge11_33 (B1), Sabella_33 (B2), Samaymay_33 (B1), SassyCat97_32 (B1), Schadenfreude_32 (B1), Schueller_33 (B1), Scoot17C_33 (B1), Scrick_33 (B1), Sejanus_28 (AD), Selr12_33 (B1), Serendipity_33 (B1), Serpentine_0033 (B1), Sheila_33 (B1), ShiVal_33 (B1), Sigman_33 (B1), Simielle_32 (B1), Skippy_33 (B1), Slatt_33 (B1), Soile_33 (B1), Solosis_32 (B1), Sophia_32 (B1), Soto_33 (B1), Spartan300_33 (B1), Squid_33 (B1), Squiggle_33 (B1), Struggle_32 (B1), Suffolk_33 (B1), Surely_33 (B1), Swiphy_34 (B1), Swish_33 (B1), TA17A_33 (B2), TallGrassMM_33 (B1), Taptic_25 (W), Telesworld_32 (B1), Thora_33 (B1), ThreeOh3D2_33 (B1), Thunderbird_33 (B1), Timmi_32 (B1), TomBombadil_33 (B1), Tomlarah_33 (B1), Toni_32 (B1), Tooj_33 (B1), Tres_33 (B2), True_32 (B1), Trypo_33 (B1), TyrionL_32 (B1), UAch1_33 (B1), UncleHowie_33 (B1), Usavi_33 (B1), Vaishali24_32 (B1), Valjean_33 (B1), Vanisoa_31 (A9), Vaticameos_33 (B1), Veritas_32 (B1), Virapocalypse_33 (B1), Virgeve_32 (B1), Vista_33 (B1), Vivaldi_33 (B1), Vortex_33 (B1), Wallhey_32 (B1), Waterdiva_33 (B1), Weher20_33 (B1), West99_33 (B2), Windsor_32 (B1), Xavier_32 (B1), Yoshand_33 (B1), YouGoGlencoco_33 (B1), Zaider_34 (B1), Zelda_33 (B1), Zonia_33 (B1),

Start 63:

- Found in 2 of 791 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 715
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Brocalys_20 (F1), Pippy_19 (F1),

Start 64:

- Found in 41 of 791 (5.2%) of genes in pham
- Manual Annotations of this start: 31 of 715
- Called 87.8% of time when present
- Phage (with cluster) where this start called: Acquire49_21 (L1), AvadaKedavra_21 (L1), Bellis_22 (L3), Calm_21 (L1), Clautastrophe_22 (L3), DirkDirk_21 (L1), DuncansLeg_22 (L3), Ellson_22 (L3), Enceladus_21 (L1), Finnry_22 (L3), Halena_21 (L1), Jobypre_22 (L3), Jubie_22 (L3), Keziacharles14_32 (A9), Kingsolomon_22 (L3), Krypton555_22 (L3), Lolly9_22 (L3), Lumos_22 (L3), MAckerman_21 (L1), MiniLon_22 (L3), MiniMac_22 (L3), Moostard_22 (L3), MsGreen_22 (L3), Nanosmite_35 (M3), Nicholas_22 (L3), OhShagHennessy_21 (L1), P3MA_25 (UNK), Rose5_21 (L1), Samty_22 (L3), Silverleaf_21 (L1), Snenia_22 (L3), Tyson_21 (L1), Wamburgxpress_21 (L1), Whirlwind_23 (L3), Wyatt2_21 (L1), Zaria_21 (L1),

Start 65:

- Found in 3 of 791 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 715
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fulbright_21 (N), Phloss_21 (N), Squirty_20 (F3),

Start 66:

- Found in 106 of 791 (13.4%) of genes in pham
- Manual Annotations of this start: 84 of 715
- Called 95.3% of time when present
- Phage (with cluster) where this start called: 39HC_027 (B6), 40BC_027 (B6), Abinghost_33 (B3), Akhila_20 (F1), Akoma_33 (B3), AlanGrant_31 (B4), Apex_30 (B4), Argie_26 (W), Athena_34 (B3), Audrey_33 (B3), Austelle_31 (B4), BabeRuth_21 (N), Baloo_33 (B3), Ben11_32 (B3), Bernardo_33 (B3), BobbyK_30 (B4), BrownCNA_31 (B4), Casbah_32 (B3), ChaChing_33 (B3), Chandler_33 (B3), ChrisnMich_29 (B4), Clifton_19 (F1), Compostia_34 (B3), Cooper_30 (B4), Crumble_19 (F1), D12_25 (W), Daisy_33 (B3), Deenasa_33 (B3), Devonte_33 (B3), Fortunato_30 (B4), Frederick_30 (B4), Funsized_35 (B9), Gadget_34 (B3), Gervas_33 (B3), GlenHope_34 (B3), GreaseLightnin_22 (P1), Halfpint_32 (B3), Hangman_30 (B4), HarveySr_33 (B3), Heath_29 (B4), Heathcliff_33 (B3), Hosp_025 (B6), Hydro_30 (B4), JAMaL_30 (B4), Jackstina_30 (B3), JaguarMi_30 (B4), Jamie19_21 (N), Jolie1_027 (B6), Jolie2_23 (G4), Kamiyu_33 (B3), KayaCho_27 (B6), Koella_19 (F1), Kronus_32 (B3), LastJedi_19 (F1), LestyG_33 (B3), LilMcDreamy_28 (B12), Lolalove_30 (B4), Magpie_29 (B4), Marley1013_33 (B3), MilanaBonita_20 (F1), Mithril_30 (B4), MmasiCarm_33 (B3), Mortcellus_32 (B3), Morty007_33 (B3), Ms6_19 (F1), Mudslide_30 (B4), Nanao_29 (B4), Nenae_21 (N), Neos5_33 (B3), Nigel_28 (B4), Nozo_33 (B3), Obutu_33 (B3), OrangeOswald_33 (B3), Phaedrus_31 (B3), PhancyPhin_21 (N), Philly_32 (B3), Phlyer_33 (B3), Poster_29 (B4), Prince_31 (B4), Purgamenstris_21 (N), QueenHazel_22 (I1), RagingRooster_33 (B3), RawrgerThat_30 (B4), Redi_21 (N), Rita1961_33 (B3), RomaT_33 (B3), Sarma624_20 (F1), ShrimpFriedEgg_21 (N), SlippinJimmy_33 (B3), SpongeBob_21 (N), Stargaze_23 (G5), Stinger_28 (B4), SynergyX_33 (B3), Tydolla_33 (B3), Vincenzo_31 (B4), VioletZ_30 (B4), Waleliano_30 (B4), Xula_21 (I1), Yahalom_33 (B3), Yinz_33 (B3), Zemanar_31 (B4),

Start 67:

- Found in 4 of 791 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 715
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Rem711_30 (Z),

Start 77:

- Found in 51 of 791 (6.4%) of genes in pham
- Manual Annotations of this start: 10 of 715
- Called 23.5% of time when present
- Phage (with cluster) where this start called: 8UZL_25 (AB), CactusJack_22 (P1), FF47_25 (AB), Glaske_22 (P1), KilKor_22 (P1), Maco6_23 (AB), Megiddo_22 (P1), Muddy_25 (AB), Phalm_22 (P1), Shweta_21 (N), StressBall_22 (P1), Xeno_21 (N),

Start 79:

- Found in 34 of 791 (4.3%) of genes in pham
- Manual Annotations of this start: 6 of 715
- Called 20.6% of time when present
- Phage (with cluster) where this start called: Eponine_29 (K4), Kari_22 (P1), Langerak_22 (P1), Malithi_22 (P1), Phrann_21 (N), SamScheppers_27 (K4), Taquito_27 (K4),

Start 80:

- Found in 7 of 791 (0.9%) of genes in pham
- Manual Annotations of this start: 6 of 715
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Butters_22 (N), Juliette_30 (K4), Kevin1_22 (N), Pimento_26 (DI), Rebel_21 (N), Rubeelu_22 (N), Ruthiejr_29 (K4),

Start 81:

- Found in 97 of 791 (12.3%) of genes in pham
- Manual Annotations of this start: 84 of 715
- Called 91.8% of time when present
- Phage (with cluster) where this start called: Agent47_27 (K5), AlleyCat_28 (K5), Andies_21 (N), Arib1_22 (P1), Atcoo_22 (P1), Auspice_31 (M1), Babsiella_22 (I1), Bartholomew_22 (P1), BigNuz_22 (P4), Bipper_28 (Y), Bongo_31 (M1), Bricole_31 (M1), Brusacoram_22 (P1), Bunnies_22 (P1), Camster_22 (P1), Che9c_21 (I2), Collard_27 (K5), Cracklewink_28 (Y), Curiosium_29 (K1), Dadosky_28 (K5), Daredevil_37 (DL), Diminimus_32 (M1), Donovan_22 (P1), Dulcita_32 (M1), Dynamo_22 (P1), Edugator_27 (K5), Farewell_21 (AF), Feyre_27 (K5), FirstPlacePfu_22 (P1), Fishburne_22 (P1), Gengar_27 (K5), Glaske16_32 (M1), Guillsminger_27 (K5), HC_22 (I1), HUHilltop_22 (P1), Heftyboy_27 (K5), Hilltopfarm_28 (Y), IPhane7_31 (M1), IdentityCrisis_21 (singleton), InvictusManeo_27 (K5), Jebeks_22 (P1), Jung_22 (P1), Juniormint_22 (P1), Kratio_26 (K5), Ksquared_22 (P1), Larva_28 (K5), Leston_27 (K5), LilhomieP_30 (M1), Majeke_22 (P1), MalagasyRose_28 (AG), Mangethe_22 (P1), MichelleMyBell_22 (N), Miryou_27 (K5), Nazo_22 (P4), Necropolis_22 (P1), OkiRoe_27 (K5), Omnicron_28 (K5), Panchino_21 (N), Paola_27 (K5), PegLeg_31 (M1), Phayonce_22 (P5), Phegasus_22 (P1), Phineas_22 (P1), Polkaroo_22 (P1), Psycho_28 (K5), Purky_22 (P6), Rando14_28 (K5), Raymond7_21 (N), Scitech_21 (N), SkinnyPete_21 (N), Skinny_32 (M1), SlimJimmy_30 (M1), SoSeph_27 (K5), Sonah_22 (P1), Sparky_21 (AF), StevieRay_22 (P1), Techage_22 (P1), Thespis_22 (P1), ThulaThula_22 (P5), Thyatira_27 (K5), Tortellini_22 (P2), TyDawg_31 (M1), Typha_28 (Y), Venti_22 (P1), Vidya_22 (P1), Waterfoul_27 (K5), Willsammy_22 (P1), Xavia_22 (P3), Zilizebeth_22

(P1),

Start 82:

- Found in 14 of 791 (1.8%) of genes in pham
- Manual Annotations of this start: 13 of 715
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ayotoya_27 (DI), BetterKatz_27 (DI), Bock_27 (DI), Brylie_27 (DI), Chop_27 (DI), DelRio_28 (DI), Francois_27 (DI), GrandSlam_27 (DI), Hamood_27 (DI), Mulch_27 (DI), Nadeem_27 (DI), NancyRae_27 (DI), Parada_27 (DI), WheatThin_27 (DI),

Start 83:

- Found in 4 of 791 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 715
- Called 25.0% of time when present
- Phage (with cluster) where this start called: NoShow_22 (AB),

Start 84:

- Found in 3 of 791 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 715
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aikoy_42 (AE), Leopard_42 (AE), Onyinye_43 (AE),

Start 85:

- Found in 3 of 791 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 715
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Labelle_37 (U), Madruga_36 (U), Patience_38 (U),

Start 100:

- Found in 1 of 791 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 715
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Archimedes_26 (DA),

Start 106:

- Found in 357 of 791 (45.1%) of genes in pham
- Manual Annotations of this start: 1 of 715
- Called 0.3% of time when present
- Phage (with cluster) where this start called: Chunky_33 (B1),

Start 109:

- Found in 1 of 791 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 715
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pharb_27 (K3),

Start 110:

- Found in 98 of 791 (12.4%) of genes in pham
- Manual Annotations of this start: 87 of 715
- Called 90.8% of time when present

- Phage (with cluster) where this start called: Adephagia_28 (K1), Ageofdapage_28 (K1), AlishaPH_28 (K1), Amgine_26 (K6), Amohntion_27 (K6), Angelica_28 (K1), Apocalypse_28 (K1), Asayake_28 (K1), Atiba_28 (K1), BEEST_28 (K1), BGIlluviae_28 (K1), BaghaKamala_28 (K1), BarrelRoll_28 (K1), Beezoo_28 (K1), Bella96_28 (K1), Belladonna_28 (K1), Blizzard_28 (K1), Boiiii_28 (K1), CREW_28 (K1), Capricorn_28 (K1), CaseJules_28 (K1), CheetoDust_28 (K1), CrimD_28 (K1), Dalmuri_28 (K1), DarthP_27 (K6), Deby_28 (K1), Devera_28 (K1), Dole_28 (K1), DrHayes_28 (K1), Durfee_28 (K1), Efra2_28 (K1), Ekdilam_25 (K6), Ellie_25 (K6), Emerson_28 (K1), Fefferhead_27 (K6), Ganymede_29 (K1), Geraldini_28 (K1), Guanica15_28 (K1), Hammy_27 (K6), HedwigODU_28 (K1), Homura_28 (K1), Hyperbowlee_28 (K1), Illumine_28 (K1), Inky_28 (K1), JAWS_28 (K1), Jarvi_28 (K1), Jeckyll_28 (K1), Joy99_28 (K1), LaterM_28 (K1), LindNT_28 (K1), Llorens_28 (K1), Lunahalos_28 (K1), MeaningOfLife_28 (K1), Megsy_29 (K1), Murucutumbu_28 (K1), Mynx_28 (K1), Niklas_28 (K1), Padfoot_28 (K1), Padpat_28 (K1), Peanam_28 (K1), Peel_28 (K1), Piatt_28 (K1), Pokerus_27 (K1), Prithvi_28 (K1), QuincyRose_27 (K1), Ramen_28 (K1), Rapunzel97_28 (K1), Rosmarinus_28 (K1), SamuelLPlaqson_28 (K1), Shaobing_28 (K1), ShiaSurprise_28 (K1), Slimphazie_28 (K1), Spock_28 (K1), Stinson_29 (K1), Sulley_28 (K1), Tachez_28 (K1), TiniBug_28 (K1), Tiri_28 (K1), Topper_28 (K1), TreyKay_28 (K1), TruffulaTree_28 (K1), Twitch_28 (K1), Urkel_28 (K1), Validus_28 (K1), Veliki_28 (K1), YoureAdopted_27 (K1), Yuna_29 (K6), Yunkel11_28 (K1), Zavala_28 (K1),

Start 111:

- Found in 78 of 791 (9.9%) of genes in pham
- Manual Annotations of this start: 58 of 715
- Called 75.6% of time when present
- Phage (with cluster) where this start called: Amelie_24 (K1), Binglebops_24 (K1), BoostSeason_25 (K2), Bryler_28 (K6), Cain_28 (K6), Chancellor_29 (K4), Cheetobro_29 (K4), Chris_27 (K1), DismalFunk_25 (K2), DismalStressor_25 (K2), Enkosi_24 (K1), Findley_25 (K2), Fionnbharth_29 (K4), Hurricane_28 (K3), JF1_29 (K4), Keshu_28 (K3), KiSi_27 (K1), Krueger_28 (K6), LastHope_28 (K1), LeMond_27 (K1), LilPharaoh_24 (K1), MacnCheese_29 (K3), Malthus_30 (K4), Marcoliusprime_25 (K2), MarkPhew_28 (K1), Marshawn_29 (K6), Mdavu_24 (K1), Milly_25 (K2), MissDaisy_29 (K4), Mitti_29 (K4), Mufasa_25 (K2), Nibb_27 (K1), Nikao_24 (K1), Nutello_24 (K1), OmniCritical_29 (K4), Oscar_27 (K1), Patt_29 (K4), PhelpsODU_28 (K6), Phrank_28 (K6), Pixie_28 (K3), Reptar3000_29 (K4), Scarlett_27 (K1), SgtBeansprout_24 (K1), Shadow1_27 (K6), ShedlockHolmes_28 (K3), Slarp_29 (K4), Sunflower1121_27 (K6), Syra333_28 (K6), TBond007_28 (K3), TClif_29 (K6), TM4_25 (K2), Tierra_28 (K6), TripleTrouble_27 (K3), Unicorn_28 (K6), Wintermute_29 (K4), Ximenita_29 (K6), Y10_29 (K4), Y2_29 (K4), ZoeJ_25 (K2),

Start 113:

- Found in 28 of 791 (3.5%) of genes in pham
- Manual Annotations of this start: 1 of 715
- Called 3.6% of time when present
- Phage (with cluster) where this start called: Snekmaggon_21 (N),

Start 116:

- Found in 25 of 791 (3.2%) of genes in pham
- Manual Annotations of this start: 2 of 715
- Called 8.0% of time when present
- Phage (with cluster) where this start called: Barnyard_37 (H2), DrLupo_39 (H2),

Start 144:

- Found in 6 of 791 (0.8%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Strobilo_26 (K2),

Start 160:

- Found in 137 of 791 (17.3%) of genes in pham
- Manual Annotations of this start: 3 of 715
- Called 4.4% of time when present
- Phage (with cluster) where this start called: ActinUp_28 (K1), Adonis_28 (K1), Anaya_29 (K1), Jayhawk_29 (K1), TaiwanKao_29 (K1), Zabiza_29 (K1),

Summary by clusters:

There are 52 clusters represented in this pham: singleton, M3, DI, B11, DL, DA, K3, K2, K1, AB, M1, B13, K5, K4, P6, G5, G4, AG, I1, I2, A9, P2, P3, P1, AE, AD, P4, P5, N, B10, U, L3, W, L1, Y, UNK, AF, F1, F3, H2, Z, B4, B5, B6, B7, B1, B2, B3, B12, B8, B9, K6,

Info for manual annotations of cluster A9:

- Start number 62 was manually annotated 2 times for cluster A9.
- Start number 64 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AB:

- Start number 77 was manually annotated 2 times for cluster AB.
- Start number 83 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster AD:

- Start number 57 was manually annotated 1 time for cluster AD.
- Start number 62 was manually annotated 2 times for cluster AD.

Info for manual annotations of cluster AE:

- Start number 84 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster AF:

- Start number 81 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

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

Info for manual annotations of cluster B1:

- Start number 62 was manually annotated 246 times for cluster B1.
- Start number 106 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B10:

- Start number 58 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 58 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 66 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 56 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B2:

- Start number 57 was manually annotated 7 times for cluster B2.
- Start number 62 was manually annotated 25 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 66 was manually annotated 40 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 66 was manually annotated 22 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 17 was manually annotated 8 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 66 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 58 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 58 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 58 was manually annotated 4 times for cluster B9.
- Start number 66 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster DA:

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

Info for manual annotations of cluster DI:

- Start number 82 was manually annotated 13 times for cluster DI.

Info for manual annotations of cluster DL:

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

Info for manual annotations of cluster F1:

- Start number 60 was manually annotated 3 times for cluster F1.
- Start number 63 was manually annotated 2 times for cluster F1.
- Start number 66 was manually annotated 6 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 65 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster H2:

- Start number 116 was manually annotated 2 times for cluster H2.

Info for manual annotations of cluster I1:

- Start number 66 was manually annotated 2 times for cluster I1.
- Start number 81 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster I2:

- Start number 81 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster K1:

- Start number 81 was manually annotated 1 time for cluster K1.
- Start number 110 was manually annotated 79 times for cluster K1.
- Start number 111 was manually annotated 16 times for cluster K1.
- Start number 160 was manually annotated 3 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 111 was manually annotated 9 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 109 was manually annotated 1 time for cluster K3.
- Start number 111 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 79 was manually annotated 3 times for cluster K4.
- Start number 80 was manually annotated 2 times for cluster K4.
- Start number 111 was manually annotated 14 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 81 was manually annotated 20 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 110 was manually annotated 8 times for cluster K6.
- Start number 111 was manually annotated 12 times for cluster K6.

Info for manual annotations of cluster L1:

- Start number 61 was manually annotated 5 times for cluster L1.
- Start number 64 was manually annotated 13 times for cluster L1.

Info for manual annotations of cluster L3:

- Start number 64 was manually annotated 16 times for cluster L3.

Info for manual annotations of cluster M1:

- Start number 81 was manually annotated 12 times for cluster M1.

Info for manual annotations of cluster M3:

- Start number 64 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:

- Start number 65 was manually annotated 2 times for cluster N.
- Start number 66 was manually annotated 8 times for cluster N.
- Start number 77 was manually annotated 2 times for cluster N.
- Start number 79 was manually annotated 1 time for cluster N.
- Start number 80 was manually annotated 4 times for cluster N.
- Start number 81 was manually annotated 5 times for cluster N.
- Start number 113 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster P1:

- Start number 66 was manually annotated 1 time for cluster P1.
- Start number 77 was manually annotated 6 times for cluster P1.
- Start number 79 was manually annotated 2 times for cluster P1.
- Start number 81 was manually annotated 27 times for cluster P1.

Info for manual annotations of cluster P2:

- Start number 81 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 81 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:

- Start number 81 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 81 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:

- Start number 81 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster U:

- Start number 85 was manually annotated 3 times for cluster U.

Info for manual annotations of cluster W:

- Start number 57 was manually annotated 3 times for cluster W.
- Start number 62 was manually annotated 3 times for cluster W.
- Start number 66 was manually annotated 2 times for cluster W.

Info for manual annotations of cluster Y:

- Start number 81 was manually annotated 4 times for cluster Y.

Info for manual annotations of cluster Z:

- Start number 67 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 39HC_027 Start: 30067, Stop: 31293, Start Num: 66

Candidate Starts for 39HC_027:

(5, 29542), (9, 29644), (Start: 66 @30067 has 84 MA's), (78, 30106), (101, 30157), (Start: 106 @30178 has 1 MA's), (125, 30223), (158, 30283), (166, 30304), (167, 30307), (190, 30364), (208, 30418), (209, 30421), (211, 30427), (262, 30544), (288, 30613), (328, 30718), (362, 30850), (364, 30856), (404, 30979), (420, 31039), (444, 31093), (447, 31099), (471, 31147),

Gene: 40BC_027 Start: 30067, Stop: 31293, Start Num: 66

Candidate Starts for 40BC_027:

(5, 29542), (9, 29644), (Start: 66 @30067 has 84 MA's), (78, 30106), (101, 30157), (Start: 106 @30178 has 1 MA's), (125, 30223), (158, 30283), (166, 30304), (167, 30307), (190, 30364), (208, 30418), (209, 30421), (211, 30427), (262, 30544), (288, 30613), (328, 30718), (362, 30850), (364, 30856), (404, 30979), (420, 31039), (444, 31093), (447, 31099), (471, 31147),

Gene: 8UZL_25 Start: 21727, Stop: 22752, Start Num: 77

Candidate Starts for 8UZL_25:

(Start: 77 @21727 has 10 MA's), (117, 21817), (156, 21886), (159, 21895), (191, 21973), (217, 22036), (218, 22039), (244, 22087), (308, 22183), (330, 22219), (358, 22270), (369, 22327), (452, 22564), (497, 22690),

Gene: ABU_33 Start: 32364, Stop: 33524, Start Num: 62

Candidate Starts for ABU_33:

(Start: 62 @32364 has 278 MA's), (Start: 106 @32475 has 1 MA's), (125, 32520), (171, 32619), (194, 32679), (208, 32715), (220, 32739), (241, 32784), (242, 32790), (265, 32841), (280, 32880), (281, 32883), (285, 32895), (290, 32910), (316, 32934), (330, 32967), (362, 33048), (374, 33093), (391, 33141), (403, 33177), (406, 33186), (409, 33192), (485, 33417),

Gene: Abinghost_33 Start: 32219, Stop: 33421, Start Num: 66

Candidate Starts for Abinghost_33:

(Start: 66 @32219 has 84 MA's), (Start: 77 @32252 has 10 MA's), (135, 32396), (141, 32405), (148, 32414), (166, 32453), (169, 32462), (176, 32480), (185, 32498), (191, 32516), (192, 32522), (196, 32534), (203, 32552), (208, 32567), (225, 32600), (238, 32627), (256, 32672), (287, 32753), (298, 32780), (317, 32798), (324, 32816), (339, 32858), (344, 32882), (364, 32957), (368, 32987), (391, 33047), (394, 33059), (401, 33077), (425, 33179), (471, 33284), (476, 33290), (479, 33308), (501, 33395),

Gene: AbsoluteMadLad_32 Start: 32373, Stop: 33533, Start Num: 62

Candidate Starts for AbsoluteMadLad_32:

(Start: 62 @32373 has 278 MA's), (Start: 106 @32484 has 1 MA's), (125, 32529), (171, 32628), (194, 32688), (208, 32724), (220, 32748), (241, 32793), (242, 32799), (265, 32850), (280, 32889), (281, 32892), (285, 32904), (290, 32919), (316, 32943), (330, 32976), (362, 33057), (374, 33102), (391, 33150), (403, 33186), (406, 33195), (409, 33201), (485, 33426),

Gene: Acadian_32 Start: 32586, Stop: 34091, Start Num: 17

Candidate Starts for Acadian_32:

(Start: 17 @32586 has 8 MA's), (18, 32604), (21, 32625), (28, 32679), (40, 32757), (43, 32775), (46, 32790), (47, 32802), (135, 33039), (Start: 160 @33090 has 3 MA's), (170, 33117), (183, 33144), (213, 33231), (216, 33246), (232, 33285), (268, 33375), (290, 33435), (345, 33558), (355, 33597), (364, 33633), (476, 33957), (505, 34077),

Gene: Acquire49_21 Start: 21688, Stop: 22860, Start Num: 64

Candidate Starts for Acquire49_21:

(Start: 61 @21685 has 5 MA's), (Start: 64 @21688 has 31 MA's), (Start: 116 @21814 has 2 MA's), (133, 21856), (139, 21868), (142, 21871), (Start: 160 @21904 has 3 MA's), (165, 21916), (185, 21964), (191, 21982), (203, 22018), (208, 22033), (236, 22084), (246, 22114), (264, 22156), (277, 22180), (310, 22216), (314, 22222), (327, 22249), (340, 22267), (364, 22360), (365, 22363), (389, 22447), (428, 22585), (440, 22603), (471, 22687),

Gene: ActinUp_28 Start: 23436, Stop: 24338, Start Num: 160

Candidate Starts for ActinUp_28:

(11, 22881), (27, 23028), (87, 23280), (Start: 110 @23325 has 87 MA's), (Start: 160 @23436 has 3 MA's), (202, 23550), (256, 23667), (276, 23709), (283, 23721), (331, 23775), (362, 23853), (391, 23949), (396, 23961), (405, 23991), (409, 24000), (443, 24114), (471, 24183),

Gene: Adephagia_28 Start: 23322, Stop: 24335, Start Num: 110

Candidate Starts for Adephagia_28:

(11, 22878), (27, 23025), (87, 23277), (Start: 110 @23322 has 87 MA's), (Start: 160 @23433 has 3 MA's), (202, 23547), (256, 23664), (276, 23706), (283, 23718), (331, 23772), (362, 23850), (391, 23946), (396, 23958), (405, 23988), (409, 23997), (443, 24111), (471, 24180),

Gene: Adonis_28 Start: 23439, Stop: 24341, Start Num: 160

Candidate Starts for Adonis_28:

(11, 22884), (87, 23283), (Start: 110 @23328 has 87 MA's), (Start: 160 @23439 has 3 MA's), (202, 23553), (256, 23670), (276, 23712), (283, 23724), (331, 23778), (362, 23856), (387, 23940), (391, 23952), (396, 23964), (409, 24003), (443, 24117), (471, 24186),

Gene: Adriana_33 Start: 32362, Stop: 33522, Start Num: 62

Candidate Starts for Adriana_33:

(Start: 62 @32362 has 278 MA's), (Start: 106 @32473 has 1 MA's), (125, 32518), (171, 32617), (194, 32677), (208, 32713), (220, 32737), (241, 32782), (242, 32788), (265, 32839), (280, 32878), (281, 32881), (285, 32893), (290, 32908), (316, 32932), (330, 32965), (362, 33046), (374, 33091), (391, 33139), (403, 33175), (406, 33184), (409, 33190), (485, 33415),

Gene: Aelin_32 Start: 31928, Stop: 33088, Start Num: 62

Candidate Starts for Aelin_32:

(Start: 62 @31928 has 278 MA's), (Start: 106 @32039 has 1 MA's), (125, 32084), (171, 32183), (194, 32243), (208, 32279), (220, 32303), (241, 32348), (242, 32354), (265, 32405), (280, 32444), (281, 32447), (285, 32459), (316, 32498), (330, 32531), (362, 32612), (374, 32657), (391, 32705), (403, 32741), (406, 32750), (409, 32756), (485, 32981),

Gene: Agent47_27 Start: 24079, Stop: 25143, Start Num: 81

Candidate Starts for Agent47_27:

(Start: 81 @24079 has 84 MA's), (119, 24169), (129, 24196), (162, 24259), (182, 24307), (196, 24346), (203, 24364), (230, 24409), (245, 24448), (288, 24496), (296, 24514), (335, 24589), (363, 24655), (389, 24745), (390, 24748), (391, 24751), (402, 24784), (426, 24883), (427, 24886), (467, 24970), (472, 24982), (498, 25099),

Gene: Ageofdapage_28 Start: 23272, Stop: 24285, Start Num: 110

Candidate Starts for Ageofdapage_28:

(Start: 110 @23272 has 87 MA's), (Start: 160 @23383 has 3 MA's), (202, 23497), (256, 23614), (276, 23656), (331, 23722), (336, 23731), (362, 23800), (391, 23896), (396, 23908), (401, 23926), (409, 23947), (443, 24061), (471, 24130), (497, 24226),

Gene: Aikoy_42 Start: 32875, Stop: 34014, Start Num: 84

Candidate Starts for Aikoy_42:

(Start: 83 @32872 has 1 MA's), (Start: 84 @32875 has 3 MA's), (92, 32896), (103, 32932), (153, 33046), (155, 33049), (175, 33103), (186, 33130), (226, 33235), (233, 33244), (261, 33316), (282, 33367), (285, 33376), (293, 33397), (323, 33433), (390, 33619), (404, 33661), (405, 33664), (411, 33688), (424, 33754),

Gene: Akhila_20 Start: 20281, Stop: 21492, Start Num: 66

Candidate Starts for Akhila_20:

(Start: 66 @20281 has 84 MA's), (73, 20305), (95, 20362), (Start: 113 @20410 has 1 MA's), (134, 20470), (140, 20479), (148, 20494), (161, 20518), (170, 20542), (174, 20554), (189, 20590), (202, 20629), (205, 20638), (214, 20662), (225, 20692), (261, 20776), (263, 20779), (270, 20800), (284, 20836), (285, 20839), (293, 20860), (309, 20902), (362, 21019), (372, 21055), (377, 21061), (409, 21166), (427, 21247),

Gene: Akoma_33 Start: 32223, Stop: 33425, Start Num: 66

Candidate Starts for Akoma_33:

(Start: 66 @32223 has 84 MA's), (Start: 77 @32256 has 10 MA's), (135, 32400), (141, 32409), (148, 32418), (166, 32457), (169, 32466), (176, 32484), (185, 32502), (191, 32520), (192, 32526), (196, 32538), (203, 32556), (208, 32571), (225, 32604), (238, 32631), (256, 32676), (287, 32757), (298, 32784), (317, 32802), (324, 32820), (339, 32862), (344, 32886), (364, 32961), (368, 32991), (391, 33051), (394, 33063), (401, 33081), (425, 33183), (471, 33288), (476, 33294), (479, 33312), (501, 33399),

Gene: AlanGrant_31 Start: 33326, Stop: 34483, Start Num: 66

Candidate Starts for AlanGrant_31:

(Start: 66 @33326 has 84 MA's), (102, 33419), (Start: 106 @33434 has 1 MA's), (114, 33449), (118, 33461), (125, 33479), (169, 33569), (190, 33620), (192, 33629), (199, 33647), (208, 33674), (221, 33689), (225, 33695), (227, 33701), (244, 33734), (249, 33743), (267, 33776), (284, 33809), (288, 33821), (311, 33854), (320, 33869), (332, 33899), (339, 33905), (355, 33971), (361, 33995), (363, 34004), (409, 34151), (459, 34304),

Gene: AlishaPH_28 Start: 23315, Stop: 24328, Start Num: 110

Candidate Starts for AlishaPH_28:

(11, 22871), (87, 23270), (Start: 110 @23315 has 87 MA's), (Start: 160 @23426 has 3 MA's), (202, 23540), (256, 23657), (276, 23699), (283, 23711), (331, 23765), (362, 23843), (391, 23939), (396, 23951), (405, 23981), (409, 23990), (443, 24104), (471, 24173),

Gene: Allegro_33 Start: 32683, Stop: 33846, Start Num: 62

Candidate Starts for Allegro_33:

(29, 32536), (Start: 57 @32677 has 11 MA's), (Start: 62 @32683 has 278 MA's), (78, 32722), (91, 32752), (Start: 106 @32797 has 1 MA's), (125, 32842), (171, 32941), (194, 33001), (208, 33037), (220, 33061), (241, 33106), (242, 33112), (265, 33163), (280, 33202), (281, 33205), (285, 33217), (290, 33232), (316, 33256), (330, 33289), (362, 33370), (391, 33463), (403, 33499), (406, 33508), (409, 33514), (420, 33574), (485, 33739),

Gene: AlleyCat_28 Start: 24010, Stop: 25074, Start Num: 81

Candidate Starts for AlleyCat_28:

(Start: 81 @24010 has 84 MA's), (119, 24100), (131, 24130), (Start: 160 @24184 has 3 MA's), (162, 24190), (182, 24238), (196, 24277), (203, 24295), (204, 24298), (245, 24379), (288, 24427), (296, 24445), (363, 24586), (389, 24676), (390, 24679), (391, 24682), (402, 24715), (406, 24727), (426, 24814), (427, 24817), (472, 24913), (498, 25030),

Gene: AltPhacts_33 Start: 32351, Stop: 33511, Start Num: 62

Candidate Starts for AltPhacts_33:

(Start: 62 @32351 has 278 MA's), (Start: 106 @32462 has 1 MA's), (125, 32507), (171, 32606), (194, 32666), (208, 32702), (220, 32726), (241, 32771), (242, 32777), (265, 32828), (280, 32867), (281, 32870), (285, 32882), (290, 32897), (316, 32921), (330, 32954), (362, 33035), (374, 33080), (391, 33128), (403, 33164), (406, 33173), (409, 33179), (485, 33404),

Gene: Altwerkus_32 Start: 32052, Stop: 33212, Start Num: 62

Candidate Starts for Altwerkus_32:

(Start: 62 @32052 has 278 MA's), (Start: 106 @32163 has 1 MA's), (125, 32208), (171, 32307), (194, 32367), (208, 32403), (220, 32427), (241, 32472), (242, 32478), (265, 32529), (280, 32568), (281, 32571), (285, 32583), (316, 32622), (330, 32655), (362, 32736), (374, 32781), (391, 32829), (403, 32865), (406, 32874), (409, 32880), (485, 33105),

Gene: Amelie_24 Start: 22900, Stop: 23907, Start Num: 111

Candidate Starts for Amelie_24:

(93, 22849), (97, 22861), (Start: 111 @22900 has 58 MA's), (136, 22960), (170, 23032), (191, 23086), (197, 23107), (256, 23236), (279, 23281), (281, 23284), (329, 23341), (331, 23344), (354, 23389), (363, 23425), (391, 23521), (396, 23533), (430, 23653), (480, 23785),

Gene: Amgine_26 Start: 23356, Stop: 24351, Start Num: 110

Candidate Starts for Amgine_26:

(91, 23320), (Start: 110 @23356 has 87 MA's), (149, 23446), (Start: 160 @23467 has 3 MA's), (201, 23575), (202, 23581), (210, 23602), (219, 23623), (348, 23830), (362, 23884), (363, 23887), (388, 23971), (389, 23974), (443, 24139),

Gene: Amohnition_27 Start: 23778, Stop: 24782, Start Num: 110

Candidate Starts for Amohnition_27:

(Start: 110 @23778 has 87 MA's), (206, 24015), (256, 24120), (356, 24279), (386, 24381), (389, 24393), (424, 24528), (433, 24546), (471, 24639), (488, 24705), (494, 24717),

Gene: Anaya_29 Start: 23452, Stop: 24354, Start Num: 160

Candidate Starts for Anaya_29:

(11, 22897), (87, 23296), (Start: 110 @23341 has 87 MA's), (Start: 160 @23452 has 3 MA's), (202, 23566), (256, 23683), (276, 23725), (283, 23737), (331, 23791), (362, 23869), (391, 23965), (396, 23977), (405, 24007), (409, 24016), (443, 24130), (471, 24199),

Gene: Anderson_33 Start: 32357, Stop: 33517, Start Num: 62

Candidate Starts for Anderson_33:

(Start: 62 @32357 has 278 MA's), (Start: 106 @32468 has 1 MA's), (125, 32513), (171, 32612), (194, 32672), (208, 32708), (220, 32732), (241, 32777), (242, 32783), (265, 32834), (280, 32873), (281, 32876), (285, 32888), (316, 32927), (330, 32960), (362, 33041), (374, 33086), (391, 33134), (403, 33170), (406, 33179), (409, 33185), (485, 33410),

Gene: Andies_21 Start: 20194, Stop: 21228, Start Num: 81

Candidate Starts for Andies_21:

(Start: 81 @20194 has 84 MA's), (153, 20350), (157, 20356), (197, 20464), (200, 20467), (204, 20482), (248, 20569), (288, 20614), (330, 20695), (358, 20752), (363, 20776), (396, 20881), (413, 20953), (431, 20998),

Gene: Andre_33 Start: 32356, Stop: 33516, Start Num: 62

Candidate Starts for Andre_33:

(Start: 62 @32356 has 278 MA's), (Start: 106 @32467 has 1 MA's), (125, 32512), (171, 32611), (194, 32671), (208, 32707), (220, 32731), (241, 32776), (242, 32782), (265, 32833), (280, 32872), (281, 32875), (285, 32887), (316, 32926), (330, 32959), (362, 33040), (374, 33085), (391, 33133), (403, 33169), (406, 33178), (409, 33184), (485, 33409),

Gene: Angelica_28 Start: 23290, Stop: 24303, Start Num: 110

Candidate Starts for Angelica_28:

(Start: 110 @23290 has 87 MA's), (Start: 160 @23401 has 3 MA's), (202, 23515), (256, 23632), (283, 23686), (289, 23704), (331, 23740), (362, 23818), (391, 23914), (396, 23926), (405, 23956), (409, 23965), (443, 24079), (471, 24148),

Gene: Antonia_32 Start: 31928, Stop: 33088, Start Num: 62

Candidate Starts for Antonia_32:

(Start: 62 @31928 has 278 MA's), (Start: 106 @32039 has 1 MA's), (125, 32084), (171, 32183), (194, 32243), (208, 32279), (220, 32303), (241, 32348), (242, 32354), (265, 32405), (280, 32444), (281, 32447), (285, 32459), (316, 32498), (330, 32531), (362, 32612), (374, 32657), (391, 32705), (403, 32741), (406, 32750), (409, 32756), (485, 32981),

Gene: Apex_30 Start: 32785, Stop: 33942, Start Num: 66

Candidate Starts for Apex_30:

(Start: 66 @32785 has 84 MA's), (102, 32878), (Start: 106 @32893 has 1 MA's), (114, 32908), (118, 32920), (125, 32938), (150, 32980), (169, 33028), (190, 33079), (192, 33088), (199, 33106), (208, 33133), (221, 33148), (225, 33154), (227, 33160), (232, 33166), (244, 33193), (249, 33202), (267, 33235), (284, 33268), (320, 33328), (332, 33358), (339, 33364), (351, 33409), (363, 33463), (364, 33466), (409, 33610), (459, 33763),

Gene: Apizium_32 Start: 32120, Stop: 33280, Start Num: 62

Candidate Starts for Apizium_32:

(Start: 62 @32120 has 278 MA's), (Start: 106 @32231 has 1 MA's), (125, 32276), (171, 32375), (194, 32435), (208, 32471), (220, 32495), (241, 32540), (242, 32546), (265, 32597), (280, 32636), (281, 32639), (285, 32651), (316, 32690), (330, 32723), (362, 32804), (374, 32849), (391, 32897), (403, 32933), (406, 32942), (409, 32948), (485, 33173),

Gene: Apocalypse_28 Start: 23293, Stop: 24306, Start Num: 110

Candidate Starts for Apocalypse_28:

(Start: 110 @23293 has 87 MA's), (Start: 160 @23404 has 3 MA's), (202, 23518), (256, 23635), (276, 23677), (283, 23689), (331, 23743), (362, 23821), (391, 23917), (396, 23929), (409, 23968), (437, 24064), (443, 24082), (471, 24151),

Gene: Appletree2_21 Start: 21628, Stop: 22803, Start Num: 61

Candidate Starts for Appletree2_21:

(Start: 61 @21628 has 5 MA's), (Start: 64 @21631 has 31 MA's), (Start: 116 @21757 has 2 MA's), (133, 21799), (139, 21811), (142, 21814), (Start: 160 @21847 has 3 MA's), (165, 21859), (185, 21907), (191, 21925), (203, 21961), (208, 21976), (236, 22027), (246, 22057), (264, 22099), (277, 22123), (310, 22159), (314, 22165), (327, 22192), (340, 22210), (364, 22303), (365, 22306), (389, 22390), (428, 22528), (440, 22546), (471, 22630),

Gene: Arbiter_33 Start: 32772, Stop: 33935, Start Num: 62

Candidate Starts for Arbiter_33:

(29, 32625), (Start: 57 @32766 has 11 MA's), (Start: 62 @32772 has 278 MA's), (78, 32811), (91, 32841), (Start: 106 @32886 has 1 MA's), (125, 32931), (171, 33030), (194, 33090), (208, 33126), (220, 33150), (241, 33195), (242, 33201), (265, 33252), (280, 33291), (281, 33294), (285, 33306), (290, 33321), (316, 33345), (330, 33378), (362, 33459), (391, 33552), (403, 33588), (406, 33597), (409, 33603), (420, 33663), (485, 33828),

Gene: Archimedes_26 Start: 23367, Stop: 24368, Start Num: 100

Candidate Starts for Archimedes_26:

(86, 23343), (Start: 100 @23367 has 1 MA's), (131, 23445), (198, 23595), (304, 23766), (363, 23898), (387, 23982), (398, 24018), (423, 24114), (470, 24213), (503, 24348),

Gene: Ares_33 Start: 32688, Stop: 33896, Start Num: 57

Candidate Starts for Ares_33:

(31, 32547), (Start: 57 @32688 has 11 MA's), (Start: 62 @32691 has 278 MA's), (90, 32760), (118, 32829), (128, 32859), (135, 32871), (139, 32877), (141, 32880), (148, 32889), (166, 32928), (169, 32937), (172, 32949), (194, 33006), (203, 33027), (208, 33042), (232, 33087), (238, 33102), (256, 33147), (283, 33216), (293, 33243), (312, 33267), (333, 33312), (339, 33333), (344, 33357), (364, 33432), (368, 33462), (391, 33522), (394, 33534), (401, 33552), (425, 33654), (471, 33759), (476, 33765), (479, 33783), (491, 33834), (501, 33870),

Gene: Argie_26 Start: 29663, Stop: 30871, Start Num: 66

Candidate Starts for Argie_26:

(Start: 57 @29657 has 11 MA's), (Start: 66 @29663 has 84 MA's), (78, 29702), (Start: 106 @29777 has 1 MA's), (108, 29780), (121, 29813), (128, 29834), (139, 29852), (142, 29858), (148, 29864), (166, 29903), (167, 29906), (169, 29912), (194, 29981), (203, 30002), (238, 30077), (256, 30122), (268, 30152), (285, 30197), (288, 30206), (290, 30212), (293, 30218), (312, 30242), (333, 30287), (339, 30308), (344, 30332), (364, 30407), (368, 30437), (391, 30497), (394, 30509), (401, 30527), (425, 30629), (476, 30740), (479, 30758), (491, 30809), (501, 30845),

Gene: Arib1_22 Start: 21305, Stop: 22342, Start Num: 81

Candidate Starts for Arib1_22:

(71, 21281), (Start: 79 @21302 has 6 MA's), (Start: 81 @21305 has 84 MA's), (90, 21329), (157, 21467), (171, 21509), (200, 21578), (230, 21638), (248, 21683), (288, 21728), (330, 21809), (358, 21866), (363, 21890), (396, 21995), (413, 22067), (431, 22112), (495, 22277),

Gene: Arissanae_32 Start: 24817, Stop: 26022, Start Num: 62

Candidate Starts for Arissanae_32:

(Start: 62 @24817 has 278 MA's), (135, 24994), (139, 25000), (142, 25003), (167, 25054), (232, 25210), (251, 25258), (363, 25552), (370, 25585), (409, 25696), (460, 25852),

Gene: Asayake_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Asayake_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (Start: 160 @23467 has 3 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (396, 23992), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: Ashraf_32 Start: 31924, Stop: 33084, Start Num: 62

Candidate Starts for Ashraf_32:

(Start: 62 @31924 has 278 MA's), (Start: 106 @32035 has 1 MA's), (125, 32080), (171, 32179), (194, 32239), (208, 32275), (220, 32299), (241, 32344), (242, 32350), (265, 32401), (280, 32440), (281, 32443), (285, 32455), (290, 32470), (316, 32494), (330, 32527), (362, 32608), (374, 32653), (391, 32701), (403, 32737), (406, 32746), (409, 32752), (485, 32977),

Gene: Atcoo_22 Start: 21759, Stop: 22826, Start Num: 81

Candidate Starts for Atcoo_22:

(Start: 81 @21759 has 84 MA's), (157, 21921), (171, 21963), (200, 22032), (230, 22092), (248, 22137), (288, 22182), (358, 22320), (363, 22344),

Gene: Athena_34 Start: 32970, Stop: 34172, Start Num: 66

Candidate Starts for Athena_34:

(Start: 66 @32970 has 84 MA's), (Start: 77 @33003 has 10 MA's), (135, 33147), (141, 33156), (148, 33165), (166, 33204), (169, 33213), (176, 33231), (194, 33282), (199, 33291), (203, 33303), (205, 33309), (208, 33318), (232, 33363), (238, 33378), (256, 33423), (271, 33462), (283, 33492), (288, 33507), (293, 33519), (312, 33543), (333, 33588), (339, 33609), (344, 33633), (364, 33708), (368, 33738), (391, 33798), (394, 33810), (401, 33828), (425, 33930), (471, 34035), (476, 34041), (479, 34059), (501, 34146),

Gene: Atiba_28 Start: 23285, Stop: 24298, Start Num: 110

Candidate Starts for Atiba_28:

(11, 22841), (27, 22988), (87, 23240), (Start: 110 @23285 has 87 MA's), (168, 23417), (202, 23510), (256, 23627), (276, 23669), (283, 23681), (331, 23735), (362, 23813), (391, 23909), (405, 23951), (409, 23960), (443, 24074), (471, 24143),

Gene: Audrey_33 Start: 32219, Stop: 33421, Start Num: 66

Candidate Starts for Audrey_33:

(Start: 66 @32219 has 84 MA's), (Start: 77 @32252 has 10 MA's), (135, 32396), (141, 32405), (148, 32414), (166, 32453), (169, 32462), (176, 32480), (185, 32498), (191, 32516), (192, 32522), (196, 32534), (203, 32552), (208, 32567), (225, 32600), (238, 32627), (256, 32672), (287, 32753), (298, 32780), (317, 32798), (324, 32816), (339, 32858), (344, 32882), (364, 32957), (368, 32987), (391, 33047), (394, 33059), (401, 33077), (425, 33179), (471, 33284), (476, 33290), (479, 33308), (501, 33395),

Gene: Auspice_31 Start: 26992, Stop: 28047, Start Num: 81

Candidate Starts for Auspice_31:

(Start: 81 @26992 has 84 MA's), (176, 27205), (191, 27241), (217, 27304), (254, 27376), (288, 27406), (298, 27427), (317, 27463), (335, 27499), (358, 27547), (362, 27568), (364, 27574), (369, 27604), (371, 27607), (388, 27655), (461, 27865), (478, 27919),

Gene: Austelle_31 Start: 33241, Stop: 34398, Start Num: 66

Candidate Starts for Austelle_31:

(Start: 66 @33241 has 84 MA's), (102, 33334), (Start: 106 @33349 has 1 MA's), (114, 33364), (118, 33376), (125, 33394), (150, 33436), (169, 33484), (190, 33535), (192, 33544), (199, 33562), (208, 33589), (221, 33604), (225, 33610), (227, 33616), (232, 33622), (244, 33649), (249, 33658), (267, 33691), (284, 33724), (320, 33784), (332, 33814), (339, 33820), (351, 33865), (363, 33919), (364, 33922), (409, 34066), (459, 34219),

Gene: AvadaKedavra_21 Start: 21698, Stop: 22870, Start Num: 64

Candidate Starts for AvadaKedavra_21:

(Start: 61 @21695 has 5 MA's), (Start: 64 @21698 has 31 MA's), (Start: 116 @21824 has 2 MA's), (133, 21866), (139, 21878), (142, 21881), (Start: 160 @21914 has 3 MA's), (165, 21926), (185, 21974), (191, 21992), (203, 22028), (208, 22043), (236, 22094), (246, 22124), (264, 22166), (277, 22190), (310, 22226), (314, 22232), (327, 22259), (340, 22277), (364, 22370), (365, 22373), (389, 22457), (428, 22595), (440, 22613), (471, 22697),

Gene: Ayotoya_27 Start: 24101, Stop: 25168, Start Num: 82

Candidate Starts for Ayotoya_27:

(Start: 82 @24101 has 13 MA's), (253, 24479), (350, 24620), (354, 24635), (358, 24647), (363, 24671), (387, 24755), (389, 24761), (400, 24794), (404, 24806), (426, 24902), (427, 24905), (440, 24926),

Gene: BEEST_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for BEEST_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (Start: 160 @23467 has 3 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (396, 23992), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: BGlluviae_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for BGlluviae_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: BabeRuth_21 Start: 19877, Stop: 21031, Start Num: 66

Candidate Starts for BabeRuth_21:

(20, 19640), (25, 19682), (30, 19712), (34, 19742), (44, 19802), (55, 19856), (Start: 66 @19877 has 84 MA's), (88, 19940), (95, 19958), (Start: 113 @20006 has 1 MA's), (134, 20066), (140, 20075), (148, 20090), (161, 20114), (170, 20138), (174, 20150), (202, 20225), (205, 20234), (214, 20258), (225,

20288), (244, 20333), (246, 20336), (249, 20342), (284, 20372), (285, 20375), (293, 20396), (362, 20555), (388, 20645), (391, 20654), (401, 20684), (409, 20705), (502, 21008),

Gene: Babsiella_22 Start: 21313, Stop: 22350, Start Num: 81

Candidate Starts for Babsiella_22:

(71, 21289), (Start: 79 @21310 has 6 MA's), (Start: 81 @21313 has 84 MA's), (90, 21337), (157, 21475), (171, 21517), (200, 21586), (230, 21646), (248, 21691), (288, 21736), (330, 21817), (358, 21874), (363, 21898), (396, 22003), (413, 22075), (431, 22120), (495, 22285),

Gene: Badfish_33 Start: 32386, Stop: 33546, Start Num: 62

Candidate Starts for Badfish_33:

(Start: 62 @32386 has 278 MA's), (Start: 106 @32497 has 1 MA's), (125, 32542), (171, 32641), (194, 32701), (208, 32737), (220, 32761), (241, 32806), (242, 32812), (265, 32863), (280, 32902), (281, 32905), (285, 32917), (290, 32932), (316, 32956), (330, 32989), (362, 33070), (374, 33115), (391, 33163), (403, 33199), (406, 33208), (409, 33214), (485, 33439),

Gene: Bae_31 Start: 32397, Stop: 33902, Start Num: 17

Candidate Starts for Bae_31:

(Start: 17 @32397 has 8 MA's), (18, 32415), (21, 32436), (28, 32490), (32, 32508), (43, 32586), (46, 32601), (Start: 160 @32901 has 3 MA's), (170, 32928), (183, 32955), (205, 33021), (213, 33042), (216, 33057), (232, 33096), (268, 33186), (278, 33213), (290, 33246), (339, 33342), (345, 33369), (355, 33408), (364, 33444), (401, 33567), (430, 33672), (476, 33768), (479, 33786), (505, 33888),

Gene: BaghaKamala_28 Start: 23285, Stop: 24298, Start Num: 110

Candidate Starts for BaghaKamala_28:

(11, 22841), (87, 23240), (Start: 110 @23285 has 87 MA's), (Start: 160 @23396 has 3 MA's), (202, 23510), (256, 23627), (276, 23669), (283, 23681), (331, 23735), (362, 23813), (391, 23909), (396, 23921), (405, 23951), (409, 23960), (443, 24074), (471, 24143),

Gene: Baloo_33 Start: 32222, Stop: 33424, Start Num: 66

Candidate Starts for Baloo_33:

(Start: 66 @32222 has 84 MA's), (Start: 77 @32255 has 10 MA's), (135, 32399), (141, 32408), (148, 32417), (166, 32456), (169, 32465), (176, 32483), (194, 32534), (199, 32543), (203, 32555), (205, 32561), (208, 32570), (232, 32615), (238, 32630), (256, 32675), (271, 32714), (283, 32744), (288, 32759), (293, 32771), (312, 32795), (333, 32840), (339, 32861), (344, 32885), (364, 32960), (368, 32990), (391, 33050), (394, 33062), (401, 33080), (425, 33182), (471, 33287), (476, 33293), (479, 33311), (501, 33398),

Gene: Bananafish_33 Start: 32686, Stop: 33855, Start Num: 57

Candidate Starts for Bananafish_33:

(29, 32545), (Start: 57 @32686 has 11 MA's), (Start: 62 @32692 has 278 MA's), (78, 32731), (91, 32761), (Start: 106 @32806 has 1 MA's), (125, 32851), (171, 32950), (194, 33010), (208, 33046), (220, 33070), (241, 33115), (242, 33121), (265, 33172), (280, 33211), (281, 33214), (285, 33226), (290, 33241), (316, 33265), (330, 33298), (362, 33379), (391, 33472), (403, 33508), (406, 33517), (409, 33523), (485, 33748),

Gene: Banjo_32 Start: 32062, Stop: 33222, Start Num: 62

Candidate Starts for Banjo_32:

(Start: 62 @32062 has 278 MA's), (Start: 106 @32173 has 1 MA's), (125, 32218), (171, 32317), (194, 32377), (208, 32413), (220, 32437), (241, 32482), (242, 32488), (265, 32539), (280, 32578), (281, 32581), (285, 32593), (290, 32608), (316, 32632), (330, 32665), (362, 32746), (374, 32791), (391, 32839), (403, 32875), (406, 32884), (409, 32890), (485, 33115),

Gene: Barnyard_37 Start: 29858, Stop: 30898, Start Num: 116

Candidate Starts for Barnyard_37:

(49, 29684), (Start: 106 @29834 has 1 MA's), (Start: 116 @29858 has 2 MA's), (190, 30035), (212, 30089), (258, 30188), (285, 30254), (286, 30257), (289, 30266), (322, 30308), (357, 30389), (359, 30401), (391, 30506), (404, 30545), (422, 30635), (432, 30656), (464, 30725), (471, 30740), (501, 30878), (502, 30881), (503, 30884),

Gene: BarrelRoll_28 Start: 23308, Stop: 24321, Start Num: 110

Candidate Starts for BarrelRoll_28:

(11, 22864), (87, 23263), (Start: 110 @23308 has 87 MA's), (Start: 160 @23419 has 3 MA's), (202, 23533), (256, 23650), (276, 23692), (283, 23704), (331, 23758), (362, 23836), (391, 23932), (405, 23974), (409, 23983), (443, 24097), (471, 24166),

Gene: Bartholomew_22 Start: 21299, Stop: 22336, Start Num: 81

Candidate Starts for Bartholomew_22:

(71, 21275), (Start: 79 @21296 has 6 MA's), (Start: 81 @21299 has 84 MA's), (90, 21323), (157, 21461), (171, 21503), (200, 21572), (230, 21632), (248, 21677), (288, 21722), (330, 21803), (358, 21860), (363, 21884), (396, 21989), (413, 22061), (431, 22106), (495, 22271),

Gene: Basato_34 Start: 32641, Stop: 33801, Start Num: 62

Candidate Starts for Basato_34:

(Start: 62 @32641 has 278 MA's), (Start: 106 @32752 has 1 MA's), (125, 32797), (171, 32896), (194, 32956), (208, 32992), (220, 33016), (241, 33061), (242, 33067), (265, 33118), (280, 33157), (281, 33160), (285, 33172), (290, 33187), (316, 33211), (330, 33244), (362, 33325), (374, 33370), (391, 33418), (403, 33454), (406, 33463), (409, 33469), (485, 33694),

Gene: BatteryCK_32 Start: 31981, Stop: 33141, Start Num: 62

Candidate Starts for BatteryCK_32:

(Start: 62 @31981 has 278 MA's), (Start: 106 @32092 has 1 MA's), (125, 32137), (171, 32236), (194, 32296), (208, 32332), (220, 32356), (241, 32401), (242, 32407), (265, 32458), (280, 32497), (281, 32500), (285, 32512), (316, 32551), (330, 32584), (362, 32665), (391, 32758), (403, 32794), (406, 32803), (409, 32809), (485, 33034),

Gene: Beaglebox_32 Start: 32083, Stop: 33243, Start Num: 62

Candidate Starts for Beaglebox_32:

(Start: 62 @32083 has 278 MA's), (Start: 106 @32194 has 1 MA's), (125, 32239), (171, 32338), (194, 32398), (208, 32434), (220, 32458), (241, 32503), (242, 32509), (265, 32560), (280, 32599), (281, 32602), (285, 32614), (316, 32653), (330, 32686), (362, 32767), (374, 32812), (391, 32860), (403, 32896), (406, 32905), (409, 32911), (485, 33136),

Gene: Beezoo_28 Start: 23333, Stop: 24346, Start Num: 110

Candidate Starts for Beezoo_28:

(Start: 110 @23333 has 87 MA's), (Start: 160 @23444 has 3 MA's), (202, 23558), (218, 23597), (256, 23675), (276, 23717), (283, 23729), (331, 23783), (362, 23861), (387, 23945), (391, 23957), (396, 23969), (409, 24008), (443, 24122), (471, 24191),

Gene: Bella96_28 Start: 23266, Stop: 24279, Start Num: 110

Candidate Starts for Bella96_28:

(87, 23221), (Start: 110 @23266 has 87 MA's), (122, 23299), (Start: 160 @23377 has 3 MA's), (202, 23491), (256, 23608), (276, 23650), (283, 23662), (331, 23716), (362, 23794), (387, 23878), (391, 23890), (396, 23902), (399, 23914), (409, 23941), (414, 23977), (471, 24124), (497, 24220),

Gene: Belladonna_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Belladonna_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: Bellis_22 Start: 22249, Stop: 23466, Start Num: 64

Candidate Starts for Bellis_22:

(Start: 64 @22249 has 31 MA's), (105, 22351), (Start: 111 @22363 has 58 MA's), (118, 22381), (121, 22390), (139, 22429), (Start: 160 @22465 has 3 MA's), (166, 22480), (168, 22486), (181, 22516), (183, 22519), (193, 22555), (199, 22567), (219, 22618), (221, 22621), (249, 22681), (259, 22708), (266, 22723), (268, 22729), (273, 22741), (299, 22801), (321, 22825), (340, 22885), (363, 22981), (370, 23014), (394, 23086), (403, 23110), (409, 23125), (479, 23338), (484, 23350),

Gene: Ben11_32 Start: 32041, Stop: 33243, Start Num: 66

Candidate Starts for Ben11_32:

(Start: 66 @32041 has 84 MA's), (Start: 77 @32074 has 10 MA's), (135, 32218), (141, 32227), (148, 32236), (166, 32275), (169, 32284), (176, 32302), (185, 32320), (191, 32338), (192, 32344), (196, 32356), (203, 32374), (208, 32389), (225, 32422), (238, 32449), (256, 32494), (287, 32575), (298, 32602), (317, 32620), (324, 32638), (339, 32680), (344, 32704), (364, 32779), (368, 32809), (391, 32869), (394, 32881), (401, 32899), (424, 32998), (425, 33001), (471, 33106), (476, 33112), (479, 33130), (501, 33217),

Gene: Bernardo_33 Start: 32309, Stop: 33511, Start Num: 66

Candidate Starts for Bernardo_33:

(Start: 66 @32309 has 84 MA's), (Start: 77 @32342 has 10 MA's), (135, 32486), (141, 32495), (148, 32504), (166, 32543), (169, 32552), (176, 32570), (194, 32621), (199, 32630), (203, 32642), (208, 32657), (232, 32702), (238, 32717), (256, 32762), (283, 32831), (288, 32846), (293, 32858), (312, 32882), (335, 32930), (337, 32936), (338, 32942), (339, 32948), (344, 32972), (364, 33047), (368, 33077), (391, 33137), (394, 33149), (401, 33167), (425, 33269), (471, 33374), (476, 33380), (491, 33449),

Gene: BetterKatz_27 Start: 23574, Stop: 24641, Start Num: 82

Candidate Starts for BetterKatz_27:

(Start: 82 @23574 has 13 MA's), (253, 23952), (350, 24093), (354, 24108), (358, 24120), (363, 24144), (364, 24147), (387, 24228), (426, 24375),

Gene: BigNuz_22 Start: 21497, Stop: 22546, Start Num: 81

Candidate Starts for BigNuz_22:

(Start: 81 @21497 has 84 MA's), (89, 21518), (157, 21659), (168, 21689), (176, 21710), (202, 21773), (218, 21812), (320, 21971), (369, 22103), (403, 22199), (497, 22484),

Gene: BigPhil_20 Start: 20087, Stop: 21244, Start Num: 60

Candidate Starts for BigPhil_20:

(Start: 60 @20087 has 3 MA's), (Start: 66 @20090 has 84 MA's), (Start: 113 @20219 has 1 MA's), (123, 20249), (134, 20279), (140, 20288), (148, 20303), (161, 20327), (170, 20351), (174, 20363), (202, 20438), (205, 20447), (214, 20471), (225, 20501), (284, 20585), (285, 20588), (293, 20609), (388, 20858), (391, 20867), (401, 20897), (409, 20918), (423, 20987), (502, 21221),

Gene: Biglebops_24 Start: 22900, Stop: 23907, Start Num: 111

Candidate Starts for Biglebops_24:

(93, 22849), (97, 22861), (Start: 111 @22900 has 58 MA's), (136, 22960), (170, 23032), (191, 23086), (197, 23107), (256, 23236), (279, 23281), (281, 23284), (329, 23341), (331, 23344), (354, 23389), (363, 23425), (391, 23521), (396, 23533), (430, 23653), (480, 23785),

Gene: Bipper_28 Start: 26155, Stop: 27216, Start Num: 81

Candidate Starts for Bipper_28:

(Start: 81 @26155 has 84 MA's), (139, 26293), (156, 26314), (157, 26317), (174, 26365), (176, 26368), (203, 26443), (230, 26488), (248, 26530), (249, 26533), (256, 26551), (288, 26575), (294, 26587), (299, 26596), (303, 26602), (363, 26734), (389, 26824), (409, 26881), (415, 26917), (423, 26956), (459, 27037), (504, 27199),

Gene: Bishoperium_32 Start: 32071, Stop: 33231, Start Num: 62

Candidate Starts for Bishoperium_32:

(Start: 62 @32071 has 278 MA's), (Start: 106 @32182 has 1 MA's), (125, 32227), (171, 32326), (194, 32386), (208, 32422), (220, 32446), (241, 32491), (242, 32497), (265, 32548), (280, 32587), (281, 32590), (285, 32602), (290, 32617), (316, 32641), (330, 32674), (362, 32755), (374, 32800), (391, 32848), (403, 32884), (406, 32893), (409, 32899), (485, 33124),

Gene: BlackStallion_33 Start: 32373, Stop: 33533, Start Num: 62

Candidate Starts for BlackStallion_33:

(Start: 62 @32373 has 278 MA's), (Start: 106 @32484 has 1 MA's), (125, 32529), (171, 32628), (194, 32688), (208, 32724), (220, 32748), (241, 32793), (242, 32799), (265, 32850), (280, 32889), (281, 32892), (285, 32904), (290, 32919), (316, 32943), (330, 32976), (362, 33057), (374, 33102), (391, 33150), (403, 33186), (406, 33195), (409, 33201), (485, 33426),

Gene: Blizzard_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Blizzard_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (Start: 160 @23467 has 3 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (396, 23992), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: Blocker23_33 Start: 32804, Stop: 33973, Start Num: 57

Candidate Starts for Blocker23_33:

(29, 32663), (Start: 57 @32804 has 11 MA's), (Start: 62 @32810 has 278 MA's), (78, 32849), (91, 32879), (Start: 106 @32924 has 1 MA's), (125, 32969), (171, 33068), (194, 33128), (208, 33164), (220, 33188), (241, 33233), (242, 33239), (265, 33290), (280, 33329), (281, 33332), (285, 33344), (290, 33359), (316, 33383), (330, 33416), (362, 33497), (391, 33590), (403, 33626), (406, 33635), (409, 33641), (485, 33866),

Gene: BlueHusk_33 Start: 31870, Stop: 33030, Start Num: 62

Candidate Starts for BlueHusk_33:

(Start: 62 @31870 has 278 MA's), (Start: 106 @31981 has 1 MA's), (125, 32026), (171, 32125), (194, 32185), (208, 32221), (220, 32245), (241, 32290), (242, 32296), (265, 32347), (280, 32386), (281, 32389), (285, 32401), (290, 32416), (316, 32440), (330, 32473), (362, 32554), (374, 32599), (391, 32647), (403, 32683), (406, 32692), (409, 32698), (485, 32923),

Gene: Bluephacebaby_32 Start: 32068, Stop: 33228, Start Num: 62

Candidate Starts for Bluephacebaby_32:

(Start: 62 @32068 has 278 MA's), (Start: 106 @32179 has 1 MA's), (125, 32224), (171, 32323), (194, 32383), (208, 32419), (220, 32443), (241, 32488), (242, 32494), (265, 32545), (280, 32584), (281, 32587), (285, 32599), (290, 32614), (316, 32638), (330, 32671), (362, 32752), (374, 32797), (391, 32845), (403, 32881), (406, 32890), (409, 32896), (485, 33121),

Gene: BobbyK_30 Start: 32610, Stop: 33767, Start Num: 66

Candidate Starts for BobbyK_30:

(Start: 66 @32610 has 84 MA's), (102, 32703), (Start: 106 @32718 has 1 MA's), (114, 32733), (118, 32745), (125, 32763), (190, 32904), (192, 32913), (199, 32931), (208, 32958), (221, 32973), (225, 32979), (227, 32985), (232, 32991), (244, 33018), (249, 33027), (267, 33060), (284, 33093), (320, 33153), (332, 33183), (339, 33189), (351, 33234), (363, 33288), (364, 33291), (409, 33435), (459, 33588),

Gene: Bock_27 Start: 23324, Stop: 24391, Start Num: 82

Candidate Starts for Bock_27:

(Start: 82 @23324 has 13 MA's), (253, 23702), (350, 23843), (354, 23858), (363, 23894), (387, 23978), (426, 24125),

Gene: Boehler_33 Start: 32374, Stop: 33534, Start Num: 62

Candidate Starts for Boehler_33:

(Start: 62 @32374 has 278 MA's), (Start: 106 @32485 has 1 MA's), (125, 32530), (171, 32629), (194, 32689), (208, 32725), (220, 32749), (241, 32794), (242, 32800), (265, 32851), (280, 32890), (281, 32893), (285, 32905), (290, 32920), (316, 32944), (330, 32977), (362, 33058), (374, 33103), (391, 33151), (403, 33187), (406, 33196), (409, 33202), (485, 33427),

Gene: Boiiii_28 Start: 23358, Stop: 24371, Start Num: 110

Candidate Starts for Boiiii_28:

(11, 22914), (87, 23313), (Start: 110 @23358 has 87 MA's), (Start: 160 @23469 has 3 MA's), (202, 23583), (256, 23700), (276, 23742), (283, 23754), (331, 23808), (362, 23886), (391, 23982), (396, 23994), (405, 24024), (409, 24033), (443, 24147), (471, 24216),

Gene: Bongo_31 Start: 26992, Stop: 28047, Start Num: 81

Candidate Starts for Bongo_31:

(Start: 81 @26992 has 84 MA's), (176, 27205), (191, 27241), (217, 27304), (254, 27376), (288, 27406), (298, 27427), (317, 27463), (335, 27499), (358, 27547), (362, 27568), (364, 27574), (369, 27604), (371, 27607), (388, 27655), (451, 27844), (461, 27865), (478, 27919),

Gene: BoostSeason_25 Start: 21308, Stop: 22333, Start Num: 111

Candidate Starts for BoostSeason_25:

(68, 21224), (Start: 111 @21308 has 58 MA's), (158, 21413), (181, 21473), (201, 21527), (202, 21533), (241, 21614), (242, 21620), (250, 21635), (251, 21638), (364, 21842), (500, 22301), (502, 22310),

Gene: Boyle_33 Start: 32811, Stop: 33974, Start Num: 62

Candidate Starts for Boyle_33:

(29, 32664), (Start: 57 @32805 has 11 MA's), (Start: 62 @32811 has 278 MA's), (78, 32850), (91, 32880), (Start: 106 @32925 has 1 MA's), (125, 32970), (171, 33069), (194, 33129), (208, 33165), (220, 33189), (241, 33234), (242, 33240), (265, 33291), (280, 33330), (281, 33333), (285, 33345), (290, 33360), (316, 33384), (330, 33417), (362, 33498), (374, 33543), (391, 33591), (403, 33627), (406, 33636), (409, 33642), (420, 33702), (485, 33867),

Gene: Bricole_31 Start: 26978, Stop: 28033, Start Num: 81

Candidate Starts for Bricole_31:

(Start: 81 @26978 has 84 MA's), (176, 27191), (191, 27227), (217, 27290), (254, 27362), (288, 27392), (298, 27413), (317, 27449), (335, 27485), (358, 27533), (362, 27554), (364, 27560), (369, 27590), (371, 27593), (388, 27641), (451, 27830), (461, 27851), (478, 27905),

Gene: Brilliant_33 Start: 32079, Stop: 33239, Start Num: 62

Candidate Starts for Brilliant_33:

(Start: 62 @32079 has 278 MA's), (Start: 106 @32190 has 1 MA's), (125, 32235), (171, 32334), (194, 32394), (208, 32430), (220, 32454), (241, 32499), (242, 32505), (265, 32556), (280, 32595), (281, 32598), (285, 32610), (316, 32649), (330, 32682), (362, 32763), (374, 32808), (391, 32856), (403, 32892), (406, 32901), (409, 32907), (485, 33132),

Gene: Brocalys_20 Start: 19901, Stop: 21058, Start Num: 63

Candidate Starts for Brocalys_20:

(Start: 63 @19901 has 2 MA's), (103, 20009), (Start: 113 @20030 has 1 MA's), (134, 20090), (148, 20114), (153, 20120), (161, 20138), (166, 20150), (170, 20162), (174, 20174), (196, 20234), (202, 20249), (205, 20258), (214, 20282), (225, 20312), (284, 20396), (285, 20399), (293, 20420), (302, 20441), (305, 20450), (309, 20462), (315, 20471), (409, 20732), (423, 20801), (502, 21035),

Gene: BrownCNA_31 Start: 32871, Stop: 34028, Start Num: 66

Candidate Starts for BrownCNA_31:

(Start: 66 @32871 has 84 MA's), (102, 32964), (Start: 106 @32979 has 1 MA's), (114, 32994), (118, 33006), (125, 33024), (150, 33066), (190, 33165), (192, 33174), (199, 33192), (208, 33219), (221, 33234), (225, 33240), (227, 33246), (232, 33252), (244, 33279), (249, 33288), (267, 33321), (284, 33354), (317, 33408), (320, 33414), (332, 33444), (339, 33450), (343, 33471), (351, 33495), (363, 33549), (364, 33552), (409, 33696),

Gene: Brownie5_33 Start: 32811, Stop: 33980, Start Num: 57

Candidate Starts for Brownie5_33:

(29, 32670), (Start: 57 @32811 has 11 MA's), (Start: 62 @32817 has 278 MA's), (78, 32856), (91, 32886), (Start: 106 @32931 has 1 MA's), (125, 32976), (171, 33075), (194, 33135), (208, 33171), (220, 33195), (241, 33240), (242, 33246), (265, 33297), (280, 33336), (281, 33339), (285, 33351), (290, 33366), (316, 33390), (330, 33423), (362, 33504), (391, 33597), (403, 33633), (406, 33642), (409, 33648), (420, 33708), (485, 33873),

Gene: Brusacoram_22 Start: 21299, Stop: 22336, Start Num: 81

Candidate Starts for Brusacoram_22:

(71, 21275), (Start: 79 @21296 has 6 MA's), (Start: 81 @21299 has 84 MA's), (90, 21323), (157, 21461), (171, 21503), (200, 21572), (230, 21632), (248, 21677), (288, 21722), (330, 21803), (358, 21860), (363, 21884), (396, 21989), (413, 22061), (431, 22106), (495, 22271),

Gene: Bryler_28 Start: 22694, Stop: 23755, Start Num: 111

Candidate Starts for Bryler_28:

(Start: 111 @22694 has 58 MA's), (145, 22772), (147, 22775), (158, 22793), (197, 22901), (207, 22928), (210, 22934), (256, 23030), (266, 23042), (307, 23144), (329, 23195), (368, 23312), (449, 23555), (458, 23573), (471, 23612),

Gene: Brylie_27 Start: 23315, Stop: 24382, Start Num: 82

Candidate Starts for Brylie_27:

(Start: 82 @23315 has 13 MA's), (177, 23525), (253, 23693), (350, 23834), (354, 23849), (358, 23861), (363, 23885), (387, 23969), (399, 24005), (426, 24116),

Gene: Buckeye_33 Start: 32391, Stop: 33551, Start Num: 62

Candidate Starts for Buckeye_33:

(Start: 62 @32391 has 278 MA's), (Start: 106 @32502 has 1 MA's), (125, 32547), (171, 32646), (194, 32706), (208, 32742), (220, 32766), (241, 32811), (242, 32817), (265, 32868), (280, 32907), (281, 32910), (285, 32922), (290, 32937), (316, 32961), (330, 32994), (362, 33075), (374, 33120), (391, 33168), (403, 33204), (406, 33213), (409, 33219), (485, 33444),

Gene: Bunnies_22 Start: 21321, Stop: 22358, Start Num: 81

Candidate Starts for Bunnies_22:

(71, 21297), (Start: 79 @21318 has 6 MA's), (Start: 81 @21321 has 84 MA's), (90, 21345), (157, 21483), (171, 21525), (200, 21594), (230, 21654), (248, 21699), (288, 21744), (330, 21825), (358, 21882), (363, 21906), (396, 22011), (413, 22083), (431, 22128), (495, 22293),

Gene: Burr_32 Start: 32068, Stop: 33228, Start Num: 62

Candidate Starts for Burr_32:

(Start: 62 @32068 has 278 MA's), (Start: 106 @32179 has 1 MA's), (125, 32224), (171, 32323), (194, 32383), (208, 32419), (220, 32443), (241, 32488), (242, 32494), (265, 32545), (280, 32584), (281, 32587), (285, 32599), (316, 32638), (330, 32671), (362, 32752), (374, 32797), (391, 32845), (403, 32881), (406, 32890), (409, 32896), (485, 33121),

Gene: Butters_22 Start: 19998, Stop: 21038, Start Num: 80

Candidate Starts for Butters_22:

(53, 19932), (Start: 80 @19998 has 6 MA's), (153, 20157), (157, 20163), (197, 20271), (200, 20274), (204, 20289), (248, 20379), (288, 20424), (330, 20505), (358, 20562), (363, 20586), (389, 20673), (396, 20691), (413, 20763), (431, 20808), (495, 20973),

Gene: CRB2_34 Start: 34225, Stop: 35433, Start Num: 58

Candidate Starts for CRB2_34:

(22, 34009), (48, 34192), (Start: 58 @34225 has 8 MA's), (125, 34387), (142, 34423), (166, 34471), (185, 34516), (205, 34576), (211, 34594), (244, 34660), (251, 34678), (258, 34696), (265, 34711), (266, 34714), (275, 34738), (365, 34933), (392, 35023), (401, 35068), (407, 35083), (423, 35170), (429, 35185), (451, 35236), (464, 35269), (504, 35416),

Gene: CREW_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for CREW_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: CactusJack_22 Start: 21561, Stop: 22601, Start Num: 77

Candidate Starts for CactusJack_22:

(Start: 77 @21561 has 10 MA's), (153, 21720), (157, 21726), (171, 21768), (197, 21834), (200, 21837), (230, 21897), (248, 21942), (288, 21987), (330, 22068), (358, 22125), (363, 22149), (396, 22254), (413, 22326), (431, 22371),

Gene: Cain_28 Start: 22682, Stop: 23743, Start Num: 111

Candidate Starts for Cain_28:

(Start: 111 @22682 has 58 MA's), (145, 22760), (147, 22763), (158, 22781), (197, 22889), (207, 22916), (210, 22922), (256, 23018), (266, 23030), (307, 23132), (329, 23183), (368, 23300), (449, 23543), (458, 23561), (471, 23600),

Gene: Calamitous_33 Start: 32697, Stop: 33860, Start Num: 62

Candidate Starts for Calamitous_33:

(29, 32550), (Start: 57 @32691 has 11 MA's), (Start: 62 @32697 has 278 MA's), (78, 32736), (91, 32766), (Start: 106 @32811 has 1 MA's), (125, 32856), (171, 32955), (194, 33015), (208, 33051), (220, 33075), (241, 33120), (242, 33126), (265, 33177), (280, 33216), (281, 33219), (285, 33231), (290, 33246), (316, 33270), (330, 33303), (362, 33384), (391, 33477), (403, 33513), (406, 33522), (409, 33528), (485, 33753),

Gene: Calm_21 Start: 21702, Stop: 22874, Start Num: 64

Candidate Starts for Calm_21:

(Start: 61 @21699 has 5 MA's), (Start: 64 @21702 has 31 MA's), (Start: 116 @21828 has 2 MA's), (133, 21870), (139, 21882), (142, 21885), (Start: 160 @21918 has 3 MA's), (165, 21930), (168, 21939), (185, 21978), (191, 21996), (203, 22032), (208, 22047), (236, 22098), (246, 22128), (264, 22170), (277, 22194), (310, 22230), (314, 22236), (327, 22263), (340, 22281), (364, 22374), (365, 22377), (389, 22461), (428, 22599), (440, 22617), (471, 22701),

Gene: CamL_33 Start: 32369, Stop: 33529, Start Num: 62

Candidate Starts for CamL_33:

(Start: 62 @32369 has 278 MA's), (Start: 106 @32480 has 1 MA's), (125, 32525), (171, 32624), (194, 32684), (208, 32720), (220, 32744), (241, 32789), (242, 32795), (265, 32846), (280, 32885), (281, 32888), (285, 32900), (290, 32915), (316, 32939), (330, 32972), (362, 33053), (374, 33098), (391, 33146), (403, 33182), (406, 33191), (409, 33197), (485, 33422),

Gene: CampRoach_32 Start: 32359, Stop: 33519, Start Num: 62

Candidate Starts for CampRoach_32:

(Start: 62 @32359 has 278 MA's), (Start: 106 @32470 has 1 MA's), (125, 32515), (171, 32614), (194, 32674), (208, 32710), (220, 32734), (241, 32779), (242, 32785), (265, 32836), (280, 32875), (281, 32878), (285, 32890), (316, 32929), (330, 32962), (362, 33043), (391, 33136), (403, 33172), (406, 33181), (409, 33187), (485, 33412),

Gene: Camster_22 Start: 21300, Stop: 22367, Start Num: 81

Candidate Starts for Camster_22:

(71, 21276), (Start: 79 @21297 has 6 MA's), (Start: 81 @21300 has 84 MA's), (90, 21324), (157, 21462), (171, 21504), (200, 21573), (230, 21633), (248, 21678), (288, 21723), (326, 21792), (330, 21804), (358, 21861), (363, 21885), (412, 22056),

Gene: Cannibal_33 Start: 32352, Stop: 33512, Start Num: 62

Candidate Starts for Cannibal_33:

(Start: 62 @32352 has 278 MA's), (Start: 106 @32463 has 1 MA's), (125, 32508), (171, 32607), (194, 32667), (208, 32703), (220, 32727), (241, 32772), (242, 32778), (265, 32829), (280, 32868), (281, 32871), (285, 32883), (316, 32922), (330, 32955), (362, 33036), (374, 33081), (391, 33129), (403, 33165), (406, 33174), (409, 33180), (485, 33405),

Gene: Capricorn_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Capricorn_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: Carthage_31 Start: 31281, Stop: 32441, Start Num: 62

Candidate Starts for Carthage_31:

(Start: 62 @31281 has 278 MA's), (Start: 106 @31392 has 1 MA's), (125, 31437), (171, 31536), (194, 31596), (208, 31632), (220, 31656), (241, 31701), (242, 31707), (265, 31758), (280, 31797), (281, 31800), (285, 31812), (316, 31851), (330, 31884), (362, 31965), (374, 32010), (391, 32058), (403, 32094), (406, 32103), (409, 32109), (485, 32334),

Gene: Casbah_32 Start: 32071, Stop: 33273, Start Num: 66

Candidate Starts for Casbah_32:

(Start: 66 @32071 has 84 MA's), (Start: 77 @32104 has 10 MA's), (135, 32248), (141, 32257), (148, 32266), (166, 32305), (169, 32314), (176, 32332), (185, 32350), (191, 32368), (192, 32374), (196, 32386), (203, 32404), (208, 32419), (225, 32452), (238, 32479), (256, 32524), (287, 32605), (298, 32632), (317, 32650), (324, 32668), (339, 32710), (344, 32734), (364, 32809), (368, 32839), (391, 32899), (394, 32911), (401, 32929), (424, 33028), (425, 33031), (471, 33136), (476, 33142), (479,

33160), (501, 33247),

Gene: CaseJules_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for CaseJules_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (Start: 160 @23467 has 3 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (396, 23992), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: Cepens_25 Start: 29381, Stop: 30586, Start Num: 62

Candidate Starts for Cepens_25:

(Start: 57 @29378 has 11 MA's), (Start: 62 @29381 has 278 MA's), (90, 29450), (118, 29519), (128, 29549), (135, 29561), (139, 29567), (141, 29570), (148, 29579), (166, 29618), (169, 29627), (172, 29639), (194, 29696), (199, 29705), (203, 29717), (208, 29732), (232, 29777), (238, 29792), (256, 29837), (283, 29906), (293, 29933), (312, 29957), (333, 30002), (339, 30023), (344, 30047), (364, 30122), (368, 30152), (391, 30212), (394, 30224), (401, 30242), (425, 30344), (476, 30455), (479, 30473), (491, 30524), (501, 30560),

Gene: Cerasum_20 Start: 20087, Stop: 21244, Start Num: 60

Candidate Starts for Cerasum_20:

(Start: 60 @20087 has 3 MA's), (Start: 66 @20090 has 84 MA's), (Start: 113 @20219 has 1 MA's), (123, 20249), (134, 20279), (140, 20288), (148, 20303), (161, 20327), (170, 20351), (174, 20363), (202, 20438), (205, 20447), (214, 20471), (225, 20501), (284, 20585), (285, 20588), (293, 20609), (388, 20858), (391, 20867), (401, 20897), (409, 20918), (423, 20987), (502, 21221),

Gene: ChaChing_33 Start: 32234, Stop: 33436, Start Num: 66

Candidate Starts for ChaChing_33:

(Start: 66 @32234 has 84 MA's), (Start: 77 @32267 has 10 MA's), (135, 32411), (141, 32420), (148, 32429), (166, 32468), (169, 32477), (176, 32495), (185, 32513), (191, 32531), (192, 32537), (196, 32549), (203, 32567), (208, 32582), (225, 32615), (238, 32642), (256, 32687), (287, 32768), (298, 32795), (317, 32813), (324, 32831), (339, 32873), (344, 32897), (364, 32972), (368, 33002), (391, 33062), (394, 33074), (401, 33092), (425, 33194), (471, 33299), (476, 33305), (479, 33323), (501, 33410),

Gene: Chaelin_33 Start: 32066, Stop: 33226, Start Num: 62

Candidate Starts for Chaelin_33:

(Start: 62 @32066 has 278 MA's), (Start: 106 @32177 has 1 MA's), (125, 32222), (171, 32321), (194, 32381), (208, 32417), (220, 32441), (241, 32486), (242, 32492), (265, 32543), (280, 32582), (281, 32585), (285, 32597), (316, 32636), (330, 32669), (362, 32750), (374, 32795), (391, 32843), (403, 32879), (406, 32888), (409, 32894), (485, 33119),

Gene: Chah_34 Start: 32386, Stop: 33546, Start Num: 62

Candidate Starts for Chah_34:

(Start: 62 @32386 has 278 MA's), (Start: 106 @32497 has 1 MA's), (125, 32542), (171, 32641), (194, 32701), (208, 32737), (220, 32761), (241, 32806), (242, 32812), (265, 32863), (280, 32902), (281, 32905), (285, 32917), (316, 32956), (330, 32989), (362, 33070), (374, 33115), (391, 33163), (403, 33199), (406, 33208), (409, 33214), (485, 33439),

Gene: Chancellor_29 Start: 24596, Stop: 25600, Start Num: 111

Candidate Starts for Chancellor_29:

(Start: 111 @24596 has 58 MA's), (185, 24764), (201, 24809), (202, 24815), (230, 24869), (235, 24878), (269, 24959), (278, 24980), (282, 24986), (283, 24989), (362, 25121), (363, 25124), (401, 25247),

Gene: Chandler_33 Start: 33002, Stop: 34204, Start Num: 66

Candidate Starts for Chandler_33:

(Start: 66 @33002 has 84 MA's), (Start: 77 @33035 has 10 MA's), (135, 33179), (141, 33188), (148, 33197), (166, 33236), (169, 33245), (176, 33263), (185, 33281), (191, 33299), (192, 33305), (196, 33317), (203, 33335), (208, 33350), (225, 33383), (238, 33410), (256, 33455), (287, 33536), (298, 33563), (317, 33581), (324, 33599), (339, 33641), (344, 33665), (364, 33740), (368, 33770), (391, 33830), (394, 33842), (401, 33860), (425, 33962), (471, 34067), (476, 34073), (479, 34091), (501, 34178),

Gene: Charles1_33 Start: 32354, Stop: 33514, Start Num: 62

Candidate Starts for Charles1_33:

(Start: 62 @32354 has 278 MA's), (Start: 106 @32465 has 1 MA's), (125, 32510), (171, 32609), (194, 32669), (208, 32705), (220, 32729), (241, 32774), (242, 32780), (265, 32831), (280, 32870), (281, 32873), (285, 32885), (290, 32900), (316, 32924), (330, 32957), (362, 33038), (374, 33083), (391, 33131), (403, 33167), (406, 33176), (409, 33182), (485, 33407),

Gene: CharlieGBrown_32 Start: 31944, Stop: 33104, Start Num: 62

Candidate Starts for CharlieGBrown_32:

(Start: 62 @31944 has 278 MA's), (Start: 106 @32055 has 1 MA's), (125, 32100), (171, 32199), (194, 32259), (208, 32295), (220, 32319), (241, 32364), (242, 32370), (265, 32421), (280, 32460), (281, 32463), (285, 32475), (290, 32490), (316, 32514), (330, 32547), (362, 32628), (374, 32673), (391, 32721), (403, 32757), (406, 32766), (409, 32772), (485, 32997),

Gene: Che9c_21 Start: 21007, Stop: 22053, Start Num: 81

Candidate Starts for Che9c_21:

(Start: 81 @21007 has 84 MA's), (176, 21220), (230, 21331), (248, 21373), (249, 21376), (300, 21445), (362, 21577), (369, 21613), (408, 21721), (461, 21874), (463, 21883), (468, 21895),

Gene: CheetO_33 Start: 32368, Stop: 33528, Start Num: 62

Candidate Starts for CheetO_33:

(Start: 62 @32368 has 278 MA's), (Start: 106 @32479 has 1 MA's), (125, 32524), (171, 32623), (194, 32683), (208, 32719), (220, 32743), (241, 32788), (242, 32794), (265, 32845), (280, 32884), (281, 32887), (285, 32899), (290, 32914), (316, 32938), (330, 32971), (362, 33052), (374, 33097), (391, 33145), (403, 33181), (406, 33190), (409, 33196), (485, 33421),

Gene: CheetoDust_28 Start: 23333, Stop: 24346, Start Num: 110

Candidate Starts for CheetoDust_28:

(11, 22889), (87, 23288), (Start: 110 @23333 has 87 MA's), (168, 23465), (202, 23558), (256, 23675), (276, 23717), (283, 23729), (331, 23783), (362, 23861), (391, 23957), (405, 23999), (409, 24008), (443, 24122), (471, 24191),

Gene: Cheetobro_29 Start: 24593, Stop: 25597, Start Num: 111

Candidate Starts for Cheetobro_29:

(Start: 111 @24593 has 58 MA's), (185, 24761), (201, 24806), (202, 24812), (230, 24866), (235, 24875), (269, 24956), (278, 24977), (282, 24983), (283, 24986), (362, 25118), (363, 25121), (401, 25244),

Gene: Cher_32 Start: 32091, Stop: 33251, Start Num: 62

Candidate Starts for Cher_32:

(Start: 62 @32091 has 278 MA's), (Start: 106 @32202 has 1 MA's), (125, 32247), (171, 32346), (194, 32406), (208, 32442), (220, 32466), (241, 32511), (242, 32517), (265, 32568), (280, 32607), (281, 32610), (285, 32622), (290, 32637), (316, 32661), (330, 32694), (362, 32775), (374, 32820), (391, 32868), (403, 32904), (406, 32913), (409, 32919), (485, 33144),

Gene: Childish_32 Start: 32094, Stop: 33254, Start Num: 62

Candidate Starts for Childish_32:

(Start: 62 @32094 has 278 MA's), (Start: 106 @32205 has 1 MA's), (125, 32250), (171, 32349), (194, 32409), (208, 32445), (220, 32469), (241, 32514), (242, 32520), (265, 32571), (280, 32610), (281, 32613), (285, 32625), (290, 32640), (316, 32664), (330, 32697), (362, 32778), (374, 32823), (391, 32871), (403, 32907), (406, 32916), (409, 32922), (485, 33147),

Gene: Chop_27 Start: 23849, Stop: 24916, Start Num: 82

Candidate Starts for Chop_27:

(Start: 82 @23849 has 13 MA's), (253, 24227), (350, 24368), (354, 24383), (358, 24395), (363, 24419), (387, 24503), (389, 24509), (400, 24542), (404, 24554), (426, 24650), (427, 24653), (440, 24674),

Gene: Chorkpop_33 Start: 32090, Stop: 33250, Start Num: 62

Candidate Starts for Chorkpop_33:

(Start: 62 @32090 has 278 MA's), (Start: 106 @32201 has 1 MA's), (125, 32246), (171, 32345), (194, 32405), (208, 32441), (220, 32465), (241, 32510), (242, 32516), (265, 32567), (280, 32606), (281, 32609), (285, 32621), (316, 32660), (330, 32693), (362, 32774), (374, 32819), (391, 32867), (403, 32903), (406, 32912), (409, 32918), (485, 33143),

Gene: Chris_27 Start: 22610, Stop: 23596, Start Num: 111

Candidate Starts for Chris_27:

(Start: 111 @22610 has 58 MA's), (159, 22715), (184, 22778), (191, 22799), (202, 22832), (207, 22847), (239, 22907), (282, 23000), (300, 23039), (363, 23138), (383, 23189), (401, 23261), (409, 23282), (435, 23363), (477, 23465),

Gene: ChrisnMich_29 Start: 31570, Stop: 32727, Start Num: 66

Candidate Starts for ChrisnMich_29:

(Start: 66 @31570 has 84 MA's), (102, 31663), (Start: 106 @31678 has 1 MA's), (114, 31693), (118, 31705), (125, 31723), (169, 31813), (190, 31864), (192, 31873), (193, 31879), (199, 31891), (208, 31918), (221, 31933), (225, 31939), (227, 31945), (244, 31978), (249, 31987), (267, 32020), (284, 32053), (332, 32143), (339, 32149), (363, 32248), (364, 32251), (409, 32395), (459, 32548),

Gene: Chunky_33 Start: 32488, Stop: 33537, Start Num: 106

Candidate Starts for Chunky_33:

(Start: 62 @32377 has 278 MA's), (Start: 106 @32488 has 1 MA's), (125, 32533), (171, 32632), (194, 32692), (208, 32728), (220, 32752), (241, 32797), (242, 32803), (265, 32854), (280, 32893), (281, 32896), (285, 32908), (290, 32923), (316, 32947), (330, 32980), (362, 33061), (374, 33106), (391, 33154), (403, 33190), (406, 33199), (409, 33205), (485, 33430),

Gene: Chute_32 Start: 32415, Stop: 33575, Start Num: 62

Candidate Starts for Chute_32:

(Start: 62 @32415 has 278 MA's), (Start: 106 @32526 has 1 MA's), (125, 32571), (171, 32670), (194, 32730), (208, 32766), (220, 32790), (241, 32835), (242, 32841), (265, 32892), (280, 32931), (281, 32934), (285, 32946), (316, 32985), (330, 33018), (362, 33099), (374, 33144), (391, 33192), (403, 33228), (406, 33237), (409, 33243), (485, 33468),

Gene: CicholasNage_21 Start: 21687, Stop: 22862, Start Num: 61

Candidate Starts for CicholasNage_21:

(Start: 61 @21687 has 5 MA's), (Start: 64 @21690 has 31 MA's), (Start: 116 @21816 has 2 MA's), (133, 21858), (139, 21870), (142, 21873), (Start: 160 @21906 has 3 MA's), (165, 21918), (185, 21966), (191, 21984), (203, 22020), (208, 22035), (236, 22086), (246, 22116), (264, 22158), (277,

22182), (310, 22218), (314, 22224), (327, 22251), (340, 22269), (364, 22362), (365, 22365), (389, 22449), (428, 22587), (440, 22605), (471, 22689),

Gene: Clautastrophe_22 Start: 22247, Stop: 23464, Start Num: 64

Candidate Starts for Clautastrophe_22:

(Start: 64 @22247 has 31 MA's), (105, 22349), (Start: 111 @22361 has 58 MA's), (118, 22379), (121, 22388), (139, 22427), (Start: 160 @22463 has 3 MA's), (166, 22478), (168, 22484), (181, 22514), (183, 22517), (193, 22553), (199, 22565), (219, 22616), (221, 22619), (249, 22679), (259, 22706), (266, 22721), (268, 22727), (273, 22739), (299, 22799), (321, 22823), (340, 22883), (363, 22979), (370, 23012), (394, 23084), (403, 23108), (479, 23336), (484, 23348),

Gene: Clifton_19 Start: 20217, Stop: 21371, Start Num: 66

Candidate Starts for Clifton_19:

(Start: 60 @20214 has 3 MA's), (Start: 66 @20217 has 84 MA's), (95, 20298), (Start: 113 @20346 has 1 MA's), (134, 20406), (140, 20415), (148, 20430), (161, 20454), (170, 20478), (174, 20490), (202, 20565), (205, 20574), (214, 20598), (225, 20628), (284, 20712), (285, 20715), (293, 20736), (362, 20895), (388, 20985), (391, 20994), (401, 21024), (409, 21045), (502, 21348),

Gene: Cobra_33 Start: 32375, Stop: 33535, Start Num: 62

Candidate Starts for Cobra_33:

(Start: 62 @32375 has 278 MA's), (Start: 106 @32486 has 1 MA's), (125, 32531), (171, 32630), (194, 32690), (208, 32726), (220, 32750), (241, 32795), (242, 32801), (265, 32852), (280, 32891), (281, 32894), (285, 32906), (290, 32921), (316, 32945), (330, 32978), (362, 33059), (374, 33104), (391, 33152), (403, 33188), (406, 33197), (409, 33203), (485, 33428),

Gene: Coffee_33 Start: 32800, Stop: 33963, Start Num: 62

Candidate Starts for Coffee_33:

(29, 32653), (Start: 57 @32794 has 11 MA's), (Start: 62 @32800 has 278 MA's), (78, 32839), (91, 32869), (Start: 106 @32914 has 1 MA's), (125, 32959), (171, 33058), (194, 33118), (208, 33154), (220, 33178), (241, 33223), (242, 33229), (265, 33280), (280, 33319), (281, 33322), (285, 33334), (290, 33349), (316, 33373), (330, 33406), (362, 33487), (391, 33580), (403, 33616), (406, 33625), (409, 33631), (485, 33856),

Gene: Colbert_33 Start: 32430, Stop: 33590, Start Num: 62

Candidate Starts for Colbert_33:

(Start: 62 @32430 has 278 MA's), (Start: 106 @32541 has 1 MA's), (125, 32586), (171, 32685), (194, 32745), (208, 32781), (220, 32805), (241, 32850), (242, 32856), (265, 32907), (280, 32946), (281, 32949), (285, 32961), (316, 33000), (330, 33033), (362, 33114), (374, 33159), (391, 33207), (403, 33243), (406, 33252), (409, 33258), (485, 33483),

Gene: Coletti_32 Start: 32415, Stop: 33575, Start Num: 62

Candidate Starts for Coletti_32:

(Start: 62 @32415 has 278 MA's), (Start: 106 @32526 has 1 MA's), (125, 32571), (171, 32670), (194, 32730), (208, 32766), (220, 32790), (241, 32835), (242, 32841), (265, 32892), (280, 32931), (281, 32934), (285, 32946), (316, 32985), (330, 33018), (362, 33099), (374, 33144), (391, 33192), (403, 33228), (406, 33237), (409, 33243), (485, 33468),

Gene: Collard_27 Start: 24040, Stop: 25104, Start Num: 81

Candidate Starts for Collard_27:

(Start: 81 @24040 has 84 MA's), (119, 24130), (129, 24157), (162, 24220), (182, 24268), (196, 24307), (203, 24325), (230, 24370), (245, 24409), (288, 24457), (296, 24475), (335, 24550), (363, 24616), (389, 24706), (390, 24709), (391, 24712), (402, 24745), (426, 24844), (427, 24847), (467, 24931), (472, 24943), (498, 25060),

Gene: Compostia_34 Start: 32649, Stop: 33851, Start Num: 66

Candidate Starts for Compostia_34:

(Start: 66 @32649 has 84 MA's), (135, 32826), (141, 32835), (148, 32844), (166, 32883), (169, 32892), (176, 32910), (185, 32928), (191, 32946), (192, 32952), (196, 32964), (203, 32982), (208, 32997), (225, 33030), (238, 33057), (256, 33102), (287, 33183), (298, 33210), (317, 33228), (324, 33246), (339, 33288), (368, 33417), (401, 33507), (425, 33609), (458, 33675), (471, 33714), (489, 33786), (502, 33828),

Gene: Cooper_30 Start: 31786, Stop: 32946, Start Num: 66

Candidate Starts for Cooper_30:

(Start: 66 @31786 has 84 MA's), (Start: 106 @31894 has 1 MA's), (114, 31909), (118, 31921), (121, 31930), (125, 31939), (135, 31963), (150, 31981), (190, 32080), (192, 32089), (193, 32095), (199, 32107), (208, 32134), (221, 32149), (225, 32155), (227, 32161), (230, 32164), (239, 32182), (244, 32197), (267, 32239), (284, 32272), (298, 32308), (320, 32332), (332, 32362), (339, 32368), (355, 32434), (363, 32467), (364, 32470), (409, 32614), (471, 32803),

Gene: Cornobble_32 Start: 31929, Stop: 33089, Start Num: 62

Candidate Starts for Cornobble_32:

(Start: 62 @31929 has 278 MA's), (Start: 106 @32040 has 1 MA's), (125, 32085), (194, 32244), (208, 32280), (220, 32304), (241, 32349), (242, 32355), (265, 32406), (280, 32445), (281, 32448), (285, 32460), (316, 32499), (330, 32532), (362, 32613), (374, 32658), (391, 32706), (403, 32742), (406, 32751), (409, 32757), (485, 32982),

Gene: Cosmolli16_32 Start: 32088, Stop: 33239, Start Num: 62

Candidate Starts for Cosmolli16_32:

(Start: 62 @32088 has 278 MA's), (Start: 106 @32199 has 1 MA's), (125, 32244), (171, 32343), (194, 32403), (208, 32439), (220, 32463), (241, 32508), (242, 32514), (265, 32565), (274, 32589), (280, 32604), (281, 32607), (285, 32619), (290, 32634), (316, 32658), (330, 32691), (362, 32772), (374, 32817), (391, 32865), (403, 32901), (406, 32910), (409, 32916), (485, 33141),

Gene: Cracklewink_28 Start: 26155, Stop: 27216, Start Num: 81

Candidate Starts for Cracklewink_28:

(Start: 81 @26155 has 84 MA's), (139, 26293), (156, 26314), (157, 26317), (174, 26365), (176, 26368), (203, 26443), (230, 26488), (248, 26530), (249, 26533), (256, 26551), (288, 26575), (294, 26587), (299, 26596), (303, 26602), (363, 26734), (389, 26824), (409, 26881), (423, 26956), (459, 27037), (504, 27199),

Gene: Craff_33 Start: 32372, Stop: 33532, Start Num: 62

Candidate Starts for Craff_33:

(Start: 62 @32372 has 278 MA's), (Start: 106 @32483 has 1 MA's), (125, 32528), (171, 32627), (194, 32687), (208, 32723), (220, 32747), (241, 32792), (242, 32798), (265, 32849), (280, 32888), (281, 32891), (285, 32903), (290, 32918), (316, 32942), (330, 32975), (362, 33056), (374, 33101), (391, 33149), (403, 33185), (406, 33194), (409, 33200), (485, 33425),

Gene: CrimD_28 Start: 23294, Stop: 24307, Start Num: 110

Candidate Starts for CrimD_28:

(Start: 110 @23294 has 87 MA's), (Start: 160 @23405 has 3 MA's), (202, 23519), (256, 23636), (276, 23678), (283, 23690), (331, 23744), (362, 23822), (387, 23906), (391, 23918), (396, 23930), (409, 23969), (497, 24248),

Gene: Crownjwl_33 Start: 32145, Stop: 33305, Start Num: 62

Candidate Starts for Crownjwl_33:

(Start: 62 @32145 has 278 MA's), (Start: 106 @32256 has 1 MA's), (125, 32301), (171, 32400), (194, 32460), (208, 32496), (220, 32520), (241, 32565), (242, 32571), (265, 32622), (280, 32661), (281, 32664), (285, 32676), (290, 32691), (316, 32715), (330, 32748), (362, 32829), (374, 32874), (391, 32922), (403, 32958), (406, 32967), (409, 32973), (485, 33198),

Gene: Crumble_19 Start: 20264, Stop: 21418, Start Num: 66

Candidate Starts for Crumble_19:

(Start: 60 @20261 has 3 MA's), (Start: 66 @20264 has 84 MA's), (95, 20345), (Start: 113 @20393 has 1 MA's), (134, 20453), (140, 20462), (148, 20477), (161, 20501), (170, 20525), (174, 20537), (202, 20612), (205, 20621), (214, 20645), (225, 20675), (284, 20759), (285, 20762), (293, 20783), (362, 20942), (388, 21032), (391, 21041), (401, 21071), (409, 21092), (502, 21395),

Gene: Curiosium_29 Start: 23069, Stop: 24148, Start Num: 81

Candidate Starts for Curiosium_29:

(Start: 81 @23069 has 84 MA's), (93, 23096), (127, 23183), (153, 23228), (Start: 160 @23243 has 3 MA's), (162, 23249), (171, 23276), (180, 23291), (196, 23336), (197, 23339), (202, 23351), (210, 23372), (230, 23399), (239, 23420), (288, 23486), (358, 23630), (362, 23651), (364, 23657), (420, 23855), (435, 23888), (440, 23897),

Gene: D12_25 Start: 29948, Stop: 31156, Start Num: 66

Candidate Starts for D12_25:

(Start: 57 @29942 has 11 MA's), (Start: 66 @29948 has 84 MA's), (78, 29987), (Start: 106 @30062 has 1 MA's), (108, 30065), (121, 30098), (128, 30119), (135, 30131), (139, 30137), (148, 30149), (166, 30188), (167, 30191), (194, 30266), (203, 30287), (238, 30362), (256, 30407), (268, 30437), (285, 30482), (288, 30491), (290, 30497), (293, 30503), (312, 30527), (333, 30572), (339, 30593), (344, 30617), (364, 30692), (368, 30722), (391, 30782), (394, 30794), (401, 30812), (424, 30911), (425, 30914), (471, 31019), (476, 31025), (489, 31091), (491, 31094), (501, 31130),

Gene: DaddyDaniels_33 Start: 32063, Stop: 33223, Start Num: 62

Candidate Starts for DaddyDaniels_33:

(Start: 62 @32063 has 278 MA's), (Start: 106 @32174 has 1 MA's), (125, 32219), (171, 32318), (194, 32378), (208, 32414), (220, 32438), (241, 32483), (242, 32489), (265, 32540), (280, 32579), (281, 32582), (285, 32594), (290, 32609), (316, 32633), (330, 32666), (362, 32747), (391, 32840), (403, 32876), (406, 32885), (409, 32891), (485, 33116),

Gene: Dadosky_28 Start: 24011, Stop: 25075, Start Num: 81

Candidate Starts for Dadosky_28:

(Start: 81 @24011 has 84 MA's), (119, 24101), (131, 24131), (Start: 160 @24185 has 3 MA's), (162, 24191), (182, 24239), (196, 24278), (203, 24296), (204, 24299), (245, 24380), (288, 24428), (296, 24446), (363, 24587), (389, 24677), (390, 24680), (391, 24683), (402, 24716), (406, 24728), (426, 24815), (427, 24818), (472, 24914), (498, 25031),

Gene: Daffy_33 Start: 32094, Stop: 33254, Start Num: 62

Candidate Starts for Daffy_33:

(Start: 62 @32094 has 278 MA's), (Start: 106 @32205 has 1 MA's), (125, 32250), (171, 32349), (194, 32409), (208, 32445), (220, 32469), (241, 32514), (242, 32520), (265, 32571), (280, 32610), (281, 32613), (285, 32625), (316, 32664), (330, 32697), (362, 32778), (374, 32823), (391, 32871), (403, 32907), (406, 32916), (409, 32922), (485, 33147),

Gene: Daisy_33 Start: 32246, Stop: 33448, Start Num: 66

Candidate Starts for Daisy_33:

(Start: 66 @32246 has 84 MA's), (Start: 77 @32279 has 10 MA's), (135, 32423), (141, 32432), (148, 32441), (166, 32480), (169, 32489), (176, 32507), (185, 32525), (191, 32543), (192, 32549), (196,

32561), (203, 32579), (208, 32594), (225, 32627), (238, 32654), (256, 32699), (287, 32780), (298, 32807), (317, 32825), (324, 32843), (339, 32885), (344, 32909), (364, 32984), (368, 33014), (391, 33074), (394, 33086), (401, 33104), (425, 33206), (471, 33311), (476, 33317), (479, 33335), (501, 33422),

Gene: Daka_33 Start: 32368, Stop: 33528, Start Num: 62

Candidate Starts for Daka_33:

(Start: 62 @32368 has 278 MA's), (Start: 106 @32479 has 1 MA's), (125, 32524), (194, 32683), (208, 32719), (220, 32743), (241, 32788), (242, 32794), (265, 32845), (280, 32884), (281, 32887), (285, 32899), (316, 32938), (330, 32971), (362, 33052), (374, 33097), (391, 33145), (403, 33181), (406, 33190), (409, 33196), (485, 33421),

Gene: Dalmuri_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Dalmuri_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: Daredevil_37 Start: 34603, Stop: 35670, Start Num: 81

Candidate Starts for Daredevil_37:

(Start: 81 @34603 has 84 MA's), (237, 34948), (255, 34993), (289, 35023), (402, 35314), (404, 35320), (410, 35338), (424, 35404), (425, 35407), (435, 35425), (455, 35473), (506, 35659),

Gene: DarthP_27 Start: 23700, Stop: 24704, Start Num: 110

Candidate Starts for DarthP_27:

(Start: 110 @23700 has 87 MA's), (256, 24042), (348, 24174), (356, 24201), (389, 24315), (433, 24468), (471, 24561), (475, 24564), (488, 24627), (494, 24639),

Gene: Dati_33 Start: 32088, Stop: 33248, Start Num: 62

Candidate Starts for Dati_33:

(Start: 62 @32088 has 278 MA's), (Start: 106 @32199 has 1 MA's), (125, 32244), (171, 32343), (194, 32403), (208, 32439), (220, 32463), (241, 32508), (242, 32514), (265, 32565), (280, 32604), (281, 32607), (285, 32619), (316, 32658), (330, 32691), (362, 32772), (391, 32865), (403, 32901), (406, 32910), (409, 32916), (485, 33141),

Gene: Deby_28 Start: 23290, Stop: 24303, Start Num: 110

Candidate Starts for Deby_28:

(Start: 110 @23290 has 87 MA's), (Start: 160 @23401 has 3 MA's), (202, 23515), (256, 23632), (283, 23686), (331, 23740), (362, 23818), (391, 23914), (396, 23926), (405, 23956), (409, 23965), (443, 24079), (471, 24148),

Gene: Deenasa_33 Start: 32985, Stop: 34187, Start Num: 66

Candidate Starts for Deenasa_33:

(Start: 66 @32985 has 84 MA's), (Start: 77 @33018 has 10 MA's), (135, 33162), (141, 33171), (148, 33180), (166, 33219), (169, 33228), (176, 33246), (185, 33264), (191, 33282), (192, 33288), (196, 33300), (203, 33318), (208, 33333), (225, 33366), (238, 33393), (256, 33438), (287, 33519), (298, 33546), (317, 33564), (324, 33582), (339, 33624), (344, 33648), (364, 33723), (368, 33753), (391, 33813), (394, 33825), (401, 33843), (425, 33945), (471, 34050), (476, 34056), (479, 34074), (501, 34161),

Gene: DelRio_28 Start: 24323, Stop: 25387, Start Num: 82

Candidate Starts for DelRio_28:

(Start: 82 @24323 has 13 MA's), (253, 24701), (350, 24842), (354, 24854), (358, 24866), (363, 24890), (387, 24974), (400, 25013), (426, 25121),

Gene: DelRivs_32 Start: 32089, Stop: 33249, Start Num: 62

Candidate Starts for DelRivs_32:

(Start: 62 @32089 has 278 MA's), (Start: 106 @32200 has 1 MA's), (125, 32245), (171, 32344), (194, 32404), (208, 32440), (220, 32464), (241, 32509), (242, 32515), (265, 32566), (280, 32605), (281, 32608), (285, 32620), (316, 32659), (330, 32692), (362, 32773), (374, 32818), (391, 32866), (403, 32902), (406, 32911), (409, 32917), (485, 33142),

Gene: Derpp_32 Start: 31933, Stop: 33093, Start Num: 62

Candidate Starts for Derpp_32:

(Start: 62 @31933 has 278 MA's), (Start: 106 @32044 has 1 MA's), (125, 32089), (171, 32188), (194, 32248), (208, 32284), (220, 32308), (241, 32353), (242, 32359), (265, 32410), (280, 32449), (281, 32452), (285, 32464), (290, 32479), (316, 32503), (330, 32536), (362, 32617), (374, 32662), (391, 32710), (403, 32746), (406, 32755), (409, 32761), (485, 32986),

Gene: Devera_28 Start: 23337, Stop: 24350, Start Num: 110

Candidate Starts for Devera_28:

(Start: 110 @23337 has 87 MA's), (Start: 160 @23448 has 3 MA's), (164, 23457), (202, 23562), (248, 23658), (256, 23679), (276, 23721), (283, 23733), (331, 23787), (362, 23865), (391, 23961), (396, 23973), (409, 24012), (443, 24126), (471, 24195), (497, 24291),

Gene: Devonte_33 Start: 32210, Stop: 33412, Start Num: 66

Candidate Starts for Devonte_33:

(Start: 66 @32210 has 84 MA's), (Start: 77 @32243 has 10 MA's), (135, 32387), (141, 32396), (148, 32405), (166, 32444), (169, 32453), (176, 32471), (185, 32489), (191, 32507), (192, 32513), (196, 32525), (203, 32543), (208, 32558), (225, 32591), (238, 32618), (256, 32663), (287, 32744), (298, 32771), (317, 32789), (324, 32807), (339, 32849), (344, 32873), (364, 32948), (368, 32978), (391, 33038), (394, 33050), (401, 33068), (425, 33170), (471, 33275), (476, 33281), (479, 33299), (501, 33386),

Gene: Dice_34 Start: 32068, Stop: 33228, Start Num: 62

Candidate Starts for Dice_34:

(Start: 62 @32068 has 278 MA's), (Start: 106 @32179 has 1 MA's), (125, 32224), (171, 32323), (194, 32383), (208, 32419), (220, 32443), (241, 32488), (242, 32494), (265, 32545), (280, 32584), (281, 32587), (285, 32599), (290, 32614), (316, 32638), (330, 32671), (362, 32752), (374, 32797), (391, 32845), (403, 32881), (406, 32890), (409, 32896), (485, 33121),

Gene: DigitDog_32 Start: 32179, Stop: 33684, Start Num: 17

Candidate Starts for DigitDog_32:

(Start: 17 @32179 has 8 MA's), (21, 32218), (32, 32290), (35, 32317), (43, 32368), (46, 32383), (137, 32635), (154, 32665), (Start: 160 @32683 has 3 MA's), (170, 32710), (183, 32737), (216, 32839), (232, 32878), (238, 32893), (268, 32968), (285, 33013), (287, 33019), (290, 33028), (339, 33124), (355, 33190), (364, 33226), (424, 33439), (476, 33550), (505, 33670),

Gene: Diminimus_32 Start: 26991, Stop: 28046, Start Num: 81

Candidate Starts for Diminimus_32:

(Start: 81 @26991 has 84 MA's), (176, 27204), (191, 27240), (217, 27303), (254, 27375), (288, 27405), (298, 27426), (317, 27462), (335, 27498), (358, 27546), (362, 27567), (364, 27573), (369, 27603), (371, 27606), (388, 27654), (461, 27864), (478, 27918),

Gene: Dingo_33 Start: 32351, Stop: 33511, Start Num: 62

Candidate Starts for Dingo_33:

(Start: 62 @32351 has 278 MA's), (Start: 106 @32462 has 1 MA's), (125, 32507), (171, 32606), (194, 32666), (208, 32702), (220, 32726), (241, 32771), (242, 32777), (265, 32828), (280, 32867), (281, 32870), (285, 32882), (290, 32897), (316, 32921), (330, 32954), (362, 33035), (374, 33080), (391, 33128), (403, 33164), (406, 33173), (409, 33179), (485, 33404),

Gene: Dione_32 Start: 32073, Stop: 33233, Start Num: 62

Candidate Starts for Dione_32:

(Start: 62 @32073 has 278 MA's), (Start: 106 @32184 has 1 MA's), (125, 32229), (171, 32328), (194, 32388), (208, 32424), (220, 32448), (241, 32493), (242, 32499), (265, 32550), (280, 32589), (281, 32592), (285, 32604), (290, 32619), (316, 32643), (330, 32676), (362, 32757), (374, 32802), (391, 32850), (403, 32886), (406, 32895), (409, 32901), (485, 33126),

Gene: DirkDirk_21 Start: 21671, Stop: 22843, Start Num: 64

Candidate Starts for DirkDirk_21:

(Start: 61 @21668 has 5 MA's), (Start: 64 @21671 has 31 MA's), (Start: 116 @21797 has 2 MA's), (133, 21839), (139, 21851), (142, 21854), (Start: 160 @21887 has 3 MA's), (165, 21899), (185, 21947), (191, 21965), (203, 22001), (208, 22016), (236, 22067), (246, 22097), (264, 22139), (277, 22163), (310, 22199), (314, 22205), (327, 22232), (340, 22250), (364, 22343), (365, 22346), (389, 22430), (428, 22568), (440, 22586), (471, 22670),

Gene: DirtJuice_33 Start: 32357, Stop: 33517, Start Num: 62

Candidate Starts for DirtJuice_33:

(Start: 62 @32357 has 278 MA's), (Start: 106 @32468 has 1 MA's), (125, 32513), (171, 32612), (194, 32672), (208, 32708), (220, 32732), (241, 32777), (242, 32783), (265, 32834), (280, 32873), (281, 32876), (285, 32888), (290, 32903), (316, 32927), (330, 32960), (362, 33041), (374, 33086), (391, 33134), (403, 33170), (406, 33179), (409, 33185), (485, 33410),

Gene: DismalFunk_25 Start: 21282, Stop: 22277, Start Num: 111

Candidate Starts for DismalFunk_25:

(21, 20961), (41, 21099), (68, 21198), (Start: 111 @21282 has 58 MA's), (144, 21363), (158, 21387), (181, 21447), (201, 21501), (202, 21507), (250, 21609), (251, 21612), (275, 21660), (276, 21666), (294, 21708), (331, 21732), (364, 21816), (389, 21900), (409, 21957), (502, 22254),

Gene: DismalStressor_25 Start: 21282, Stop: 22277, Start Num: 111

Candidate Starts for DismalStressor_25:

(41, 21099), (68, 21198), (Start: 111 @21282 has 58 MA's), (144, 21363), (158, 21387), (181, 21447), (201, 21501), (202, 21507), (250, 21609), (251, 21612), (275, 21660), (276, 21666), (294, 21708), (331, 21732), (364, 21816), (389, 21900), (409, 21957), (502, 22254),

Gene: Doddsville_33 Start: 32087, Stop: 33247, Start Num: 62

Candidate Starts for Doddsville_33:

(Start: 62 @32087 has 278 MA's), (Start: 106 @32198 has 1 MA's), (125, 32243), (171, 32342), (194, 32402), (208, 32438), (220, 32462), (241, 32507), (242, 32513), (265, 32564), (280, 32603), (281, 32606), (285, 32618), (316, 32657), (330, 32690), (362, 32771), (391, 32864), (403, 32900), (406, 32909), (409, 32915), (485, 33140),

Gene: DoesntMatter_33 Start: 32360, Stop: 33520, Start Num: 62

Candidate Starts for DoesntMatter_33:

(Start: 62 @32360 has 278 MA's), (Start: 106 @32471 has 1 MA's), (125, 32516), (171, 32615), (194, 32675), (208, 32711), (220, 32735), (241, 32780), (242, 32786), (265, 32837), (280, 32876), (281, 32879), (285, 32891), (316, 32930), (330, 32963), (362, 33044), (374, 33089), (391, 33137), (403, 33173), (406, 33182), (409, 33188), (485, 33413),

Gene: Dole_28 Start: 23339, Stop: 24352, Start Num: 110

Candidate Starts for Dole_28:

(Start: 110 @23339 has 87 MA's), (Start: 160 @23450 has 3 MA's), (164, 23459), (202, 23564), (248, 23660), (256, 23681), (276, 23723), (283, 23735), (331, 23789), (362, 23867), (391, 23963), (396, 23975), (409, 24014), (443, 24128), (471, 24197), (497, 24293),

Gene: DonSanchon_32 Start: 32067, Stop: 33227, Start Num: 62

Candidate Starts for DonSanchon_32:

(Start: 62 @32067 has 278 MA's), (Start: 106 @32178 has 1 MA's), (125, 32223), (171, 32322), (194, 32382), (208, 32418), (220, 32442), (241, 32487), (242, 32493), (265, 32544), (280, 32583), (281, 32586), (285, 32598), (316, 32637), (330, 32670), (362, 32751), (374, 32796), (391, 32844), (403, 32880), (406, 32889), (409, 32895), (485, 33120),

Gene: Donny_32 Start: 32591, Stop: 34096, Start Num: 17

Candidate Starts for Donny_32:

(Start: 17 @32591 has 8 MA's), (18, 32609), (21, 32630), (28, 32684), (40, 32762), (43, 32780), (46, 32795), (47, 32807), (135, 33044), (Start: 160 @33095 has 3 MA's), (170, 33122), (183, 33149), (213, 33236), (216, 33251), (232, 33290), (268, 33380), (290, 33440), (345, 33563), (355, 33602), (364, 33638), (476, 33962), (505, 34082),

Gene: Donovan_22 Start: 21288, Stop: 22325, Start Num: 81

Candidate Starts for Donovan_22:

(71, 21264), (Start: 79 @21285 has 6 MA's), (Start: 81 @21288 has 84 MA's), (90, 21312), (157, 21450), (171, 21492), (200, 21561), (230, 21621), (248, 21666), (288, 21711), (330, 21792), (358, 21849), (363, 21873), (396, 21978), (413, 22050), (431, 22095), (495, 22260),

Gene: Dori_29 Start: 28828, Stop: 29994, Start Num: 57

Candidate Starts for Dori_29:

(Start: 57 @28828 has 11 MA's), (Start: 62 @28834 has 278 MA's), (69, 28846), (76, 28870), (78, 28873), (91, 28903), (Start: 106 @28948 has 1 MA's), (125, 28993), (126, 28996), (208, 29188), (220, 29212), (224, 29218), (239, 29251), (241, 29257), (242, 29263), (244, 29266), (265, 29314), (288, 29377), (289, 29380), (319, 29413), (355, 29488), (362, 29518), (401, 29641), (404, 29650), (406, 29656),

Gene: DrHayes_28 Start: 23284, Stop: 24297, Start Num: 110

Candidate Starts for DrHayes_28:

(87, 23239), (Start: 110 @23284 has 87 MA's), (Start: 160 @23395 has 3 MA's), (202, 23509), (256, 23626), (276, 23668), (283, 23680), (331, 23734), (362, 23812), (391, 23908), (396, 23920), (409, 23959), (414, 23995), (471, 24142), (497, 24238),

Gene: DrLupo_39 Start: 30258, Stop: 31286, Start Num: 116

Candidate Starts for DrLupo_39:

(Start: 116 @30258 has 2 MA's), (173, 30393), (212, 30486), (267, 30609), (353, 30771), (357, 30786), (359, 30798), (391, 30900), (404, 30939), (424, 31032), (464, 31113), (471, 31128), (501, 31266),

Gene: DuchessDung_31 Start: 31224, Stop: 32384, Start Num: 62

Candidate Starts for DuchessDung_31:

(Start: 62 @31224 has 278 MA's), (Start: 106 @31335 has 1 MA's), (125, 31380), (171, 31479), (194, 31539), (208, 31575), (220, 31599), (241, 31644), (242, 31650), (265, 31701), (280, 31740), (281, 31743), (285, 31755), (316, 31794), (330, 31827), (362, 31908), (391, 32001), (403, 32037), (406, 32046), (409, 32052), (485, 32277),

Gene: Duggie_32 Start: 32089, Stop: 33249, Start Num: 62

Candidate Starts for Duggie_32:

(Start: 62 @32089 has 278 MA's), (Start: 106 @32200 has 1 MA's), (125, 32245), (171, 32344), (194, 32404), (208, 32440), (220, 32464), (241, 32509), (242, 32515), (265, 32566), (280, 32605), (281, 32608), (285, 32620), (290, 32635), (316, 32659), (330, 32692), (362, 32773), (374, 32818), (391, 32866), (403, 32902), (406, 32911), (409, 32917), (485, 33142),

Gene: Dulcita_32 Start: 26991, Stop: 28046, Start Num: 81

Candidate Starts for Dulcita_32:

(Start: 81 @26991 has 84 MA's), (176, 27204), (191, 27240), (217, 27303), (254, 27375), (288, 27405), (298, 27426), (317, 27462), (335, 27498), (358, 27546), (362, 27567), (364, 27573), (369, 27603), (371, 27606), (388, 27654), (461, 27864), (478, 27918),

Gene: DuncansLeg_22 Start: 22232, Stop: 23449, Start Num: 64

Candidate Starts for DuncansLeg_22:

(Start: 64 @22232 has 31 MA's), (74, 22259), (105, 22334), (Start: 111 @22346 has 58 MA's), (118, 22364), (139, 22412), (Start: 160 @22448 has 3 MA's), (166, 22463), (168, 22469), (181, 22499), (183, 22502), (185, 22508), (199, 22550), (211, 22586), (219, 22601), (221, 22604), (223, 22607), (225, 22610), (268, 22712), (273, 22724), (298, 22781), (299, 22784), (321, 22808), (340, 22868), (370, 22997), (490, 23375), (494, 23381),

Gene: Durfee_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Durfee_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (Start: 160 @23467 has 3 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (396, 23992), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: Durga_33 Start: 32387, Stop: 33547, Start Num: 62

Candidate Starts for Durga_33:

(Start: 62 @32387 has 278 MA's), (Start: 106 @32498 has 1 MA's), (125, 32543), (171, 32642), (194, 32702), (208, 32738), (220, 32762), (241, 32807), (242, 32813), (265, 32864), (280, 32903), (281, 32906), (285, 32918), (290, 32933), (316, 32957), (330, 32990), (362, 33071), (374, 33116), (391, 33164), (403, 33200), (406, 33209), (409, 33215), (485, 33440),

Gene: Dynamo_22 Start: 21688, Stop: 22722, Start Num: 81

Candidate Starts for Dynamo_22:

(Start: 81 @21688 has 84 MA's), (153, 21844), (157, 21850), (197, 21958), (200, 21961), (204, 21976), (248, 22063), (288, 22108), (330, 22189), (358, 22246), (363, 22270), (396, 22375), (413, 22447), (431, 22492),

Gene: Eaglehorse_33 Start: 32724, Stop: 33887, Start Num: 62

Candidate Starts for Eaglehorse_33:

(29, 32577), (Start: 57 @32718 has 11 MA's), (Start: 62 @32724 has 278 MA's), (78, 32763), (91, 32793), (Start: 106 @32838 has 1 MA's), (125, 32883), (171, 32982), (194, 33042), (208, 33078), (220, 33102), (241, 33147), (242, 33153), (265, 33204), (280, 33243), (281, 33246), (285, 33258), (290, 33273), (316, 33297), (330, 33330), (362, 33411), (374, 33456), (391, 33504), (403, 33540), (406, 33549), (409, 33555), (485, 33780),

Gene: EastView9101_32 Start: 32241, Stop: 33746, Start Num: 17

Candidate Starts for EastView9101_32:

(Start: 17 @32241 has 8 MA's), (18, 32259), (21, 32280), (28, 32334), (40, 32412), (43, 32430), (46, 32445), (47, 32457), (135, 32694), (Start: 160 @32745 has 3 MA's), (170, 32772), (183, 32799), (213,

32886), (216, 32901), (232, 32940), (268, 33030), (290, 33090), (345, 33213), (355, 33252), (364, 33288), (476, 33612), (505, 33732),

Gene: Edugator_27 Start: 24010, Stop: 25074, Start Num: 81

Candidate Starts for Edugator_27:

(Start: 81 @24010 has 84 MA's), (119, 24100), (131, 24130), (Start: 160 @24184 has 3 MA's), (162, 24190), (182, 24238), (196, 24277), (203, 24295), (204, 24298), (245, 24379), (288, 24427), (296, 24445), (363, 24586), (389, 24676), (390, 24679), (391, 24682), (402, 24715), (406, 24727), (426, 24814), (427, 24817), (498, 25030),

Gene: Efra2_28 Start: 22526, Stop: 23587, Start Num: 110

Candidate Starts for Efra2_28:

(Start: 110 @22526 has 87 MA's), (Start: 160 @22640 has 3 MA's), (202, 22754), (210, 22775), (249, 22853), (253, 22862), (266, 22883), (268, 22889), (346, 22997), (362, 23057), (393, 23177), (394, 23183), (395, 23189), (413, 23279), (461, 23405), (465, 23420),

Gene: Ekdilam_25 Start: 23459, Stop: 24463, Start Num: 110

Candidate Starts for Ekdilam_25:

(Start: 110 @23459 has 87 MA's), (191, 23651), (197, 23672), (210, 23705), (230, 23738), (256, 23801), (348, 23933), (356, 23960), (389, 24074), (433, 24227), (471, 24320), (488, 24386),

Gene: Ellie_25 Start: 23458, Stop: 24465, Start Num: 110

Candidate Starts for Ellie_25:

(Start: 110 @23458 has 87 MA's), (149, 23548), (Start: 160 @23569 has 3 MA's), (191, 23650), (202, 23683), (210, 23704), (363, 23989), (374, 24028), (488, 24388), (504, 24448),

Gene: Ellson_22 Start: 22237, Stop: 23436, Start Num: 64

Candidate Starts for Ellson_22:

(Start: 64 @22237 has 31 MA's), (105, 22339), (118, 22369), (121, 22378), (139, 22417), (151, 22429), (166, 22468), (181, 22504), (185, 22513), (196, 22549), (215, 22597), (273, 22729), (275, 22735), (340, 22873), (370, 23002), (389, 23056), (394, 23074), (460, 23266), (493, 23374),

Gene: Emerson_28 Start: 23316, Stop: 24329, Start Num: 110

Candidate Starts for Emerson_28:

(11, 22872), (87, 23271), (Start: 110 @23316 has 87 MA's), (202, 23541), (256, 23658), (276, 23700), (283, 23712), (331, 23766), (362, 23844), (391, 23940), (396, 23952), (405, 23982), (409, 23991), (443, 24105), (471, 24174),

Gene: Emiris_33 Start: 32358, Stop: 33518, Start Num: 62

Candidate Starts for Emiris_33:

(Start: 62 @32358 has 278 MA's), (Start: 106 @32469 has 1 MA's), (125, 32514), (171, 32613), (194, 32673), (208, 32709), (220, 32733), (241, 32778), (242, 32784), (265, 32835), (280, 32874), (281, 32877), (285, 32889), (290, 32904), (316, 32928), (330, 32961), (362, 33042), (374, 33087), (391, 33135), (403, 33171), (406, 33180), (409, 33186), (485, 33411),

Gene: EmpTee_33 Start: 32367, Stop: 33527, Start Num: 62

Candidate Starts for EmpTee_33:

(Start: 62 @32367 has 278 MA's), (Start: 106 @32478 has 1 MA's), (125, 32523), (171, 32622), (194, 32682), (208, 32718), (220, 32742), (241, 32787), (242, 32793), (265, 32844), (280, 32883), (281, 32886), (285, 32898), (316, 32937), (330, 32970), (362, 33051), (374, 33096), (391, 33144), (403, 33180), (406, 33189), (409, 33195), (485, 33420),

Gene: Enceladus_21 Start: 21672, Stop: 22844, Start Num: 64

Candidate Starts for Enceladus_21:

(Start: 61 @21669 has 5 MA's), (Start: 64 @21672 has 31 MA's), (Start: 116 @21798 has 2 MA's), (133, 21840), (139, 21852), (142, 21855), (Start: 160 @21888 has 3 MA's), (165, 21900), (185, 21948), (191, 21966), (203, 22002), (208, 22017), (236, 22068), (246, 22098), (264, 22140), (277, 22164), (310, 22200), (314, 22206), (327, 22233), (340, 22251), (364, 22344), (365, 22347), (389, 22431), (428, 22569), (440, 22587), (471, 22671),

Gene: Enkosi_24 Start: 22900, Stop: 23907, Start Num: 111

Candidate Starts for Enkosi_24:

(93, 22849), (97, 22861), (Start: 111 @22900 has 58 MA's), (136, 22960), (170, 23032), (191, 23086), (197, 23107), (256, 23236), (279, 23281), (281, 23284), (329, 23341), (331, 23344), (354, 23389), (363, 23425), (391, 23521), (396, 23533), (430, 23653), (480, 23785),

Gene: Eponine_29 Start: 24914, Stop: 25987, Start Num: 79

Candidate Starts for Eponine_29:

(Start: 79 @24914 has 6 MA's), (Start: 81 @24917 has 84 MA's), (187, 25157), (200, 25193), (202, 25202), (204, 25208), (230, 25253), (248, 25298), (255, 25316), (288, 25343), (330, 25424), (358, 25481), (363, 25505),

Gene: Eremos_33 Start: 32366, Stop: 33526, Start Num: 62

Candidate Starts for Eremos_33:

(Start: 62 @32366 has 278 MA's), (125, 32522), (171, 32621), (194, 32681), (208, 32717), (220, 32741), (241, 32786), (242, 32792), (265, 32843), (280, 32882), (281, 32885), (285, 32897), (316, 32936), (330, 32969), (362, 33050), (374, 33095), (391, 33143), (403, 33179), (406, 33188), (409, 33194), (485, 33419),

Gene: Etaye_33 Start: 32357, Stop: 33517, Start Num: 62

Candidate Starts for Etaye_33:

(Start: 62 @32357 has 278 MA's), (Start: 106 @32468 has 1 MA's), (125, 32513), (171, 32612), (194, 32672), (208, 32708), (220, 32732), (241, 32777), (242, 32783), (265, 32834), (280, 32873), (281, 32876), (285, 32888), (290, 32903), (316, 32927), (330, 32960), (362, 33041), (374, 33086), (391, 33134), (403, 33170), (406, 33179), (409, 33185), (485, 33410),

Gene: Eugenia_33 Start: 32376, Stop: 33536, Start Num: 62

Candidate Starts for Eugenia_33:

(Start: 62 @32376 has 278 MA's), (Start: 106 @32487 has 1 MA's), (125, 32532), (171, 32631), (194, 32691), (208, 32727), (220, 32751), (241, 32796), (242, 32802), (265, 32853), (280, 32892), (281, 32895), (285, 32907), (290, 32922), (316, 32946), (330, 32979), (362, 33060), (374, 33105), (391, 33153), (403, 33189), (406, 33198), (409, 33204), (485, 33429),

Gene: FF47_25 Start: 21654, Stop: 22679, Start Num: 77

Candidate Starts for FF47_25:

(Start: 77 @21654 has 10 MA's), (117, 21744), (156, 21813), (159, 21822), (191, 21900), (217, 21963), (218, 21966), (308, 22110), (330, 22146), (369, 22254), (452, 22491), (497, 22617),

Gene: Fang_33 Start: 32380, Stop: 33540, Start Num: 62

Candidate Starts for Fang_33:

(Start: 62 @32380 has 278 MA's), (Start: 106 @32491 has 1 MA's), (125, 32536), (171, 32635), (194, 32695), (208, 32731), (220, 32755), (241, 32800), (242, 32806), (265, 32857), (280, 32896), (281, 32899), (285, 32911), (290, 32926), (316, 32950), (330, 32983), (362, 33064), (374, 33109), (391, 33157), (403, 33193), (406, 33202), (409, 33208), (485, 33433),

Gene: Farewell_21 Start: 21884, Stop: 22930, Start Num: 81

Candidate Starts for Farewell_21:

(Start: 81 @21884 has 84 MA's), (168, 22076), (176, 22097), (230, 22208), (248, 22250), (249, 22253), (362, 22454), (369, 22490), (408, 22598), (461, 22751), (463, 22760), (468, 22772),

Gene: Faze9_33 Start: 32820, Stop: 33983, Start Num: 62

Candidate Starts for Faze9_33:

(Start: 57 @32814 has 11 MA's), (Start: 62 @32820 has 278 MA's), (78, 32859), (91, 32889), (Start: 106 @32934 has 1 MA's), (125, 32979), (171, 33078), (194, 33138), (208, 33174), (220, 33198), (241, 33243), (242, 33249), (265, 33300), (280, 33339), (281, 33342), (285, 33354), (290, 33369), (316, 33393), (330, 33426), (362, 33507), (374, 33552), (391, 33600), (403, 33636), (406, 33645), (409, 33651), (485, 33876),

Gene: Fefferhead_27 Start: 23613, Stop: 24665, Start Num: 110

Candidate Starts for Fefferhead_27:

(91, 23577), (Start: 110 @23613 has 87 MA's), (149, 23703), (Start: 160 @23724 has 3 MA's), (170, 23751), (202, 23838), (210, 23859), (219, 23880), (307, 24069), (348, 24147), (363, 24204), (367, 24237), (378, 24252), (465, 24507), (471, 24522), (490, 24603), (502, 24642),

Gene: Feyre_27 Start: 23851, Stop: 24918, Start Num: 81

Candidate Starts for Feyre_27:

(Start: 81 @23851 has 84 MA's), (129, 23968), (180, 24073), (182, 24079), (204, 24139), (210, 24154), (230, 24181), (245, 24220), (248, 24223), (253, 24235), (254, 24238), (255, 24241), (284, 24256), (303, 24301), (306, 24307), (335, 24361), (358, 24409), (365, 24439), (384, 24484), (429, 24667),

Gene: Findley_25 Start: 21282, Stop: 22307, Start Num: 111

Candidate Starts for Findley_25:

(41, 21099), (68, 21198), (Start: 111 @21282 has 58 MA's), (144, 21363), (158, 21387), (181, 21447), (201, 21501), (202, 21507), (241, 21588), (242, 21594), (250, 21609), (251, 21612), (364, 21816), (500, 22275), (502, 22284),

Gene: Finnry_22 Start: 22251, Stop: 23468, Start Num: 64

Candidate Starts for Finnry_22:

(Start: 64 @22251 has 31 MA's), (105, 22353), (Start: 111 @22365 has 58 MA's), (118, 22383), (121, 22392), (139, 22431), (Start: 160 @22467 has 3 MA's), (166, 22482), (168, 22488), (181, 22518), (183, 22521), (193, 22557), (199, 22569), (219, 22620), (221, 22623), (249, 22683), (259, 22710), (266, 22725), (268, 22731), (273, 22743), (299, 22803), (321, 22827), (340, 22887), (363, 22983), (370, 23016), (394, 23088), (403, 23112), (409, 23127), (479, 23340), (484, 23352),

Gene: Fionnbharth_29 Start: 24586, Stop: 25590, Start Num: 111

Candidate Starts for Fionnbharth_29:

(Start: 111 @24586 has 58 MA's), (138, 24655), (185, 24754), (201, 24799), (202, 24805), (230, 24859), (235, 24868), (248, 24904), (269, 24949), (278, 24970), (282, 24976), (283, 24979), (362, 25111), (363, 25114), (401, 25237), (409, 25258), (494, 25525),

Gene: FirstPlacePfu_22 Start: 21299, Stop: 22336, Start Num: 81

Candidate Starts for FirstPlacePfu_22:

(71, 21275), (Start: 79 @21296 has 6 MA's), (Start: 81 @21299 has 84 MA's), (90, 21323), (157, 21461), (171, 21503), (200, 21572), (230, 21632), (248, 21677), (288, 21722), (330, 21803), (358, 21860), (363, 21884), (396, 21989), (413, 22061), (431, 22106), (495, 22271),

Gene: Fishburne_22 Start: 21299, Stop: 22336, Start Num: 81

Candidate Starts for Fishburne_22:

(71, 21275), (Start: 79 @21296 has 6 MA's), (Start: 81 @21299 has 84 MA's), (90, 21323), (157, 21461), (171, 21503), (200, 21572), (230, 21632), (248, 21677), (288, 21722), (330, 21803), (358, 21860), (363, 21884), (396, 21989), (413, 22061), (431, 22106), (495, 22271),

Gene: FluffyNinja_33 Start: 32373, Stop: 33533, Start Num: 62

Candidate Starts for FluffyNinja_33:

(Start: 62 @32373 has 278 MA's), (Start: 106 @32484 has 1 MA's), (125, 32529), (171, 32628), (194, 32688), (208, 32724), (220, 32748), (241, 32793), (242, 32799), (265, 32850), (280, 32889), (281, 32892), (285, 32904), (290, 32919), (316, 32943), (330, 32976), (362, 33057), (374, 33102), (391, 33150), (403, 33186), (406, 33195), (409, 33201), (485, 33426),

Gene: Fortunato_30 Start: 32604, Stop: 33761, Start Num: 66

Candidate Starts for Fortunato_30:

(Start: 66 @32604 has 84 MA's), (102, 32697), (Start: 106 @32712 has 1 MA's), (114, 32727), (118, 32739), (125, 32757), (150, 32799), (190, 32898), (192, 32907), (199, 32925), (208, 32952), (221, 32967), (225, 32973), (227, 32979), (232, 32985), (244, 33012), (249, 33021), (267, 33054), (284, 33087), (332, 33177), (339, 33183), (355, 33249), (362, 33279), (363, 33282), (409, 33429), (459, 33582),

Gene: Fozzie_32 Start: 32389, Stop: 33549, Start Num: 62

Candidate Starts for Fozzie_32:

(Start: 62 @32389 has 278 MA's), (Start: 106 @32500 has 1 MA's), (125, 32545), (171, 32644), (194, 32704), (208, 32740), (220, 32764), (241, 32809), (242, 32815), (265, 32866), (280, 32905), (281, 32908), (285, 32920), (290, 32935), (316, 32959), (330, 32992), (362, 33073), (374, 33118), (391, 33166), (403, 33202), (406, 33211), (409, 33217), (485, 33442),

Gene: Francois_27 Start: 23338, Stop: 24405, Start Num: 82

Candidate Starts for Francois_27:

(Start: 82 @23338 has 13 MA's), (253, 23716), (350, 23857), (358, 23884), (363, 23908), (387, 23992), (426, 24139),

Gene: Frankicide_33 Start: 32385, Stop: 33545, Start Num: 62

Candidate Starts for Frankicide_33:

(Start: 62 @32385 has 278 MA's), (Start: 106 @32496 has 1 MA's), (125, 32541), (171, 32640), (194, 32700), (208, 32736), (220, 32760), (241, 32805), (242, 32811), (265, 32862), (280, 32901), (281, 32904), (285, 32916), (290, 32931), (316, 32955), (330, 32988), (362, 33069), (374, 33114), (391, 33162), (403, 33198), (406, 33207), (409, 33213), (485, 33438),

Gene: Frederick_30 Start: 32610, Stop: 33767, Start Num: 66

Candidate Starts for Frederick_30:

(Start: 66 @32610 has 84 MA's), (102, 32703), (Start: 106 @32718 has 1 MA's), (114, 32733), (118, 32745), (125, 32763), (150, 32805), (169, 32853), (190, 32904), (192, 32913), (199, 32931), (208, 32958), (221, 32973), (225, 32979), (227, 32985), (232, 32991), (244, 33018), (249, 33027), (267, 33060), (284, 33093), (320, 33153), (332, 33183), (339, 33189), (351, 33234), (363, 33288), (364, 33291), (409, 33435), (459, 33588),

Gene: FrenchFry_33 Start: 32814, Stop: 33977, Start Num: 62

Candidate Starts for FrenchFry_33:

(29, 32667), (Start: 57 @32808 has 11 MA's), (Start: 62 @32814 has 278 MA's), (78, 32853), (91, 32883), (Start: 106 @32928 has 1 MA's), (125, 32973), (171, 33072), (194, 33132), (208, 33168), (220, 33192), (241, 33237), (242, 33243), (265, 33294), (280, 33333), (281, 33336), (285, 33348), (290, 33363), (316, 33387), (330, 33420), (362, 33501), (391, 33594), (403, 33630), (406, 33639), (409, 33645), (420, 33705), (485, 33870),

Gene: Freya_32 Start: 32064, Stop: 33224, Start Num: 62

Candidate Starts for Freya_32:

(Start: 62 @32064 has 278 MA's), (Start: 106 @32175 has 1 MA's), (125, 32220), (171, 32319), (194, 32379), (208, 32415), (220, 32439), (241, 32484), (242, 32490), (265, 32541), (280, 32580), (281, 32583), (285, 32595), (290, 32610), (316, 32634), (330, 32667), (362, 32748), (374, 32793), (391, 32841), (403, 32877), (406, 32886), (409, 32892), (485, 33117),

Gene: FriarPreacher_33 Start: 32391, Stop: 33551, Start Num: 62

Candidate Starts for FriarPreacher_33:

(Start: 62 @32391 has 278 MA's), (Start: 106 @32502 has 1 MA's), (125, 32547), (171, 32646), (194, 32706), (208, 32742), (220, 32766), (241, 32811), (242, 32817), (265, 32868), (280, 32907), (281, 32910), (285, 32922), (290, 32937), (316, 32961), (330, 32994), (362, 33075), (374, 33120), (391, 33168), (403, 33204), (406, 33213), (409, 33219), (485, 33444),

Gene: Fringe_33 Start: 32356, Stop: 33516, Start Num: 62

Candidate Starts for Fringe_33:

(Start: 62 @32356 has 278 MA's), (Start: 106 @32467 has 1 MA's), (125, 32512), (171, 32611), (194, 32671), (208, 32707), (220, 32731), (241, 32776), (242, 32782), (265, 32833), (280, 32872), (281, 32875), (285, 32887), (316, 32926), (330, 32959), (362, 33040), (374, 33085), (391, 33133), (403, 33169), (406, 33178), (409, 33184), (485, 33409),

Gene: FugateOSU_32 Start: 32069, Stop: 33229, Start Num: 62

Candidate Starts for FugateOSU_32:

(Start: 62 @32069 has 278 MA's), (Start: 106 @32180 has 1 MA's), (125, 32225), (171, 32324), (194, 32384), (208, 32420), (220, 32444), (241, 32489), (242, 32495), (265, 32546), (280, 32585), (281, 32588), (285, 32600), (290, 32615), (316, 32639), (330, 32672), (362, 32753), (374, 32798), (391, 32846), (403, 32882), (406, 32891), (409, 32897), (485, 33122),

Gene: Fulbright_21 Start: 20200, Stop: 21357, Start Num: 65

Candidate Starts for Fulbright_21:

(Start: 65 @20200 has 3 MA's), (95, 20281), (103, 20308), (Start: 113 @20329 has 1 MA's), (134, 20389), (148, 20413), (153, 20419), (161, 20437), (166, 20449), (170, 20461), (174, 20473), (189, 20509), (196, 20533), (202, 20548), (205, 20557), (214, 20581), (221, 20596), (225, 20611), (284, 20695), (285, 20698), (293, 20719), (302, 20740), (305, 20749), (309, 20761), (315, 20770), (409, 21031), (423, 21100), (502, 21334),

Gene: Funsized_35 Start: 35123, Stop: 36316, Start Num: 66

Candidate Starts for Funsized_35:

(9, 34694), (45, 35066), (51, 35099), (Start: 66 @35123 has 84 MA's), (121, 35279), (146, 35327), (Start: 160 @35354 has 3 MA's), (166, 35369), (168, 35375), (191, 35432), (208, 35483), (209, 35486), (211, 35492), (220, 35507), (238, 35543), (241, 35552), (280, 35648), (288, 35672), (289, 35675), (363, 35804), (387, 35891), (405, 35945), (502, 36290), (504, 36296),

Gene: Gadget_34 Start: 32229, Stop: 33431, Start Num: 66

Candidate Starts for Gadget_34:

(Start: 66 @32229 has 84 MA's), (Start: 77 @32262 has 10 MA's), (135, 32406), (141, 32415), (148, 32424), (166, 32463), (169, 32472), (176, 32490), (185, 32508), (191, 32526), (192, 32532), (196, 32544), (203, 32562), (208, 32577), (225, 32610), (238, 32637), (256, 32682), (287, 32763), (298, 32790), (317, 32808), (324, 32826), (339, 32868), (368, 32997), (401, 33087), (425, 33189), (452, 33246), (458, 33255), (471, 33294), (489, 33366), (502, 33408),

Gene: Ganymede_29 Start: 23336, Stop: 24349, Start Num: 110

Candidate Starts for Ganymede_29:

(11, 22892), (87, 23291), (Start: 110 @23336 has 87 MA's), (Start: 160 @23447 has 3 MA's), (202, 23561), (256, 23678), (276, 23720), (283, 23732), (324, 23771), (331, 23786), (362, 23864), (387, 23948), (391, 23960), (396, 23972), (409, 24011), (443, 24125), (471, 24194),

Gene: Gareth_32 Start: 32072, Stop: 33232, Start Num: 62

Candidate Starts for Gareth_32:

(Start: 62 @32072 has 278 MA's), (Start: 106 @32183 has 1 MA's), (125, 32228), (171, 32327), (194, 32387), (208, 32423), (220, 32447), (241, 32492), (242, 32498), (265, 32549), (280, 32588), (281, 32591), (285, 32603), (290, 32618), (316, 32642), (330, 32675), (362, 32756), (374, 32801), (391, 32849), (403, 32885), (406, 32894), (409, 32900), (485, 33125),

Gene: GeneCoco_33 Start: 32381, Stop: 33541, Start Num: 62

Candidate Starts for GeneCoco_33:

(Start: 62 @32381 has 278 MA's), (Start: 106 @32492 has 1 MA's), (125, 32537), (171, 32636), (194, 32696), (208, 32732), (220, 32756), (241, 32801), (242, 32807), (265, 32858), (280, 32897), (281, 32900), (285, 32912), (290, 32927), (316, 32951), (330, 32984), (362, 33065), (374, 33110), (391, 33158), (403, 33194), (406, 33203), (409, 33209), (485, 33434),

Gene: Gengar_27 Start: 23958, Stop: 25028, Start Num: 81

Candidate Starts for Gengar_27:

(Start: 81 @23958 has 84 MA's), (Start: 160 @24132 has 3 MA's), (182, 24186), (203, 24243), (204, 24246), (210, 24261), (230, 24288), (245, 24327), (248, 24330), (253, 24342), (254, 24345), (255, 24348), (306, 24417), (335, 24471), (365, 24549), (384, 24594), (429, 24777),

Gene: Geraldini_28 Start: 23332, Stop: 24345, Start Num: 110

Candidate Starts for Geraldini_28:

(11, 22888), (87, 23287), (Start: 110 @23332 has 87 MA's), (Start: 160 @23443 has 3 MA's), (201, 23551), (202, 23557), (256, 23674), (276, 23716), (283, 23728), (331, 23782), (362, 23860), (387, 23944), (391, 23956), (396, 23968), (409, 24007), (443, 24121), (471, 24190),

Gene: Gervas_33 Start: 32200, Stop: 33402, Start Num: 66

Candidate Starts for Gervas_33:

(Start: 66 @32200 has 84 MA's), (Start: 77 @32233 has 10 MA's), (135, 32377), (141, 32386), (148, 32395), (166, 32434), (169, 32443), (176, 32461), (194, 32512), (199, 32521), (203, 32533), (205, 32539), (208, 32548), (232, 32593), (238, 32608), (256, 32653), (271, 32692), (283, 32722), (288, 32737), (293, 32749), (312, 32773), (333, 32818), (339, 32839), (344, 32863), (364, 32938), (368, 32968), (391, 33028), (394, 33040), (401, 33058), (425, 33160), (471, 33265), (476, 33271), (479, 33289), (501, 33376),

Gene: Giraffe_33 Start: 32075, Stop: 33235, Start Num: 62

Candidate Starts for Giraffe_33:

(Start: 62 @32075 has 278 MA's), (Start: 106 @32186 has 1 MA's), (125, 32231), (171, 32330), (194, 32390), (208, 32426), (220, 32450), (241, 32495), (242, 32501), (265, 32552), (280, 32591), (281, 32594), (285, 32606), (290, 32621), (316, 32645), (330, 32678), (362, 32759), (374, 32804), (391, 32852), (403, 32888), (406, 32897), (409, 32903), (485, 33128),

Gene: Glaske_22 Start: 21561, Stop: 22601, Start Num: 77

Candidate Starts for Glaske_22:

(Start: 77 @21561 has 10 MA's), (153, 21720), (157, 21726), (171, 21768), (197, 21834), (200, 21837), (230, 21897), (248, 21942), (288, 21987), (330, 22068), (358, 22125), (363, 22149), (396, 22254), (413, 22326), (431, 22371),

Gene: Glaske16_32 Start: 26991, Stop: 28046, Start Num: 81

Candidate Starts for Glaske16_32:

(Start: 81 @26991 has 84 MA's), (176, 27204), (191, 27240), (217, 27303), (254, 27375), (288, 27405), (298, 27426), (317, 27462), (335, 27498), (358, 27546), (362, 27567), (364, 27573), (369, 27603), (371, 27606), (388, 27654), (461, 27864), (478, 27918),

Gene: Glass_33 Start: 32814, Stop: 33977, Start Num: 62

Candidate Starts for Glass_33:

(Start: 57 @32808 has 11 MA's), (Start: 62 @32814 has 278 MA's), (78, 32853), (91, 32883), (Start: 106 @32928 has 1 MA's), (125, 32973), (171, 33072), (194, 33132), (208, 33168), (220, 33192), (241, 33237), (242, 33243), (265, 33294), (280, 33333), (281, 33336), (285, 33348), (290, 33363), (316, 33387), (330, 33420), (362, 33501), (374, 33546), (391, 33594), (403, 33630), (406, 33639), (409, 33645), (485, 33870),

Gene: GlenHope_34 Start: 32212, Stop: 33414, Start Num: 66

Candidate Starts for GlenHope_34:

(Start: 66 @32212 has 84 MA's), (135, 32389), (141, 32398), (148, 32407), (166, 32446), (169, 32455), (176, 32473), (185, 32491), (191, 32509), (192, 32515), (196, 32527), (203, 32545), (208, 32560), (225, 32593), (238, 32620), (256, 32665), (287, 32746), (298, 32773), (317, 32791), (324, 32809), (339, 32851), (368, 32980), (401, 33070), (425, 33172), (458, 33238), (471, 33277), (489, 33349), (502, 33391),

Gene: GodPhather_26 Start: 30204, Stop: 31373, Start Num: 57

Candidate Starts for GodPhather_26:

(Start: 57 @30204 has 11 MA's), (Start: 62 @30210 has 278 MA's), (78, 30249), (91, 30279), (Start: 106 @30324 has 1 MA's), (125, 30369), (171, 30468), (194, 30528), (208, 30564), (220, 30588), (241, 30633), (242, 30639), (265, 30690), (280, 30729), (281, 30732), (285, 30744), (290, 30759), (316, 30783), (330, 30816), (362, 30897), (374, 30942), (391, 30990), (403, 31026), (406, 31035), (409, 31041), (485, 31266),

Gene: Godines_33 Start: 32691, Stop: 33896, Start Num: 62

Candidate Starts for Godines_33:

(31, 32547), (Start: 57 @32688 has 11 MA's), (Start: 62 @32691 has 278 MA's), (90, 32760), (118, 32829), (128, 32859), (135, 32871), (139, 32877), (141, 32880), (148, 32889), (166, 32928), (169, 32937), (172, 32949), (194, 33006), (203, 33027), (208, 33042), (232, 33087), (238, 33102), (256, 33147), (283, 33216), (293, 33243), (312, 33267), (333, 33312), (339, 33333), (344, 33357), (364, 33432), (368, 33462), (391, 33522), (394, 33534), (401, 33552), (425, 33654), (476, 33765), (479, 33783), (491, 33834), (501, 33870),

Gene: Gophee_33 Start: 32358, Stop: 33518, Start Num: 62

Candidate Starts for Gophee_33:

(Start: 62 @32358 has 278 MA's), (Start: 106 @32469 has 1 MA's), (125, 32514), (171, 32613), (194, 32673), (208, 32709), (220, 32733), (241, 32778), (242, 32784), (265, 32835), (280, 32874), (281, 32877), (285, 32889), (316, 32928), (330, 32961), (362, 33042), (374, 33087), (391, 33135), (403, 33171), (406, 33180), (409, 33186), (485, 33411),

Gene: Grand2040_32 Start: 32090, Stop: 33250, Start Num: 62

Candidate Starts for Grand2040_32:

(Start: 62 @32090 has 278 MA's), (Start: 106 @32201 has 1 MA's), (125, 32246), (171, 32345), (194, 32405), (208, 32441), (220, 32465), (241, 32510), (242, 32516), (265, 32567), (280, 32606), (281, 32609), (285, 32621), (290, 32636), (316, 32660), (330, 32693), (362, 32774), (374, 32819), (391, 32867), (403, 32903), (406, 32912), (409, 32918), (485, 33143),

Gene: GrandSlam_27 Start: 23849, Stop: 24916, Start Num: 82

Candidate Starts for GrandSlam_27:

(Start: 82 @23849 has 13 MA's), (253, 24227), (350, 24368), (354, 24383), (358, 24395), (363, 24419), (387, 24503), (389, 24509), (400, 24542), (404, 24554), (426, 24650), (427, 24653), (440, 24674),

Gene: GreaseLightnin_22 Start: 21355, Stop: 22509, Start Num: 66

Candidate Starts for GreaseLightnin_22:

(20, 21118), (25, 21160), (30, 21190), (34, 21220), (36, 21229), (44, 21280), (55, 21334), (Start: 66 @21355 has 84 MA's), (95, 21436), (Start: 113 @21484 has 1 MA's), (134, 21544), (140, 21553), (148, 21568), (161, 21592), (170, 21616), (174, 21628), (202, 21703), (205, 21712), (214, 21736), (225, 21766), (284, 21850), (285, 21853), (293, 21874), (362, 22033), (388, 22123), (391, 22132), (401, 22162), (409, 22183), (502, 22486),

Gene: Guanica15_28 Start: 22542, Stop: 23603, Start Num: 110

Candidate Starts for Guanica15_28:

(Start: 110 @22542 has 87 MA's), (Start: 160 @22656 has 3 MA's), (202, 22770), (210, 22791), (253, 22878), (266, 22899), (268, 22905), (346, 23013), (362, 23073), (393, 23193), (394, 23199), (395, 23205), (413, 23295), (461, 23421), (465, 23436),

Gene: Guillsminger_27 Start: 23933, Stop: 25000, Start Num: 81

Candidate Starts for Guillsminger_27:

(Start: 81 @23933 has 84 MA's), (129, 24050), (Start: 160 @24107 has 3 MA's), (180, 24155), (182, 24161), (203, 24218), (204, 24221), (210, 24236), (230, 24263), (245, 24302), (248, 24305), (253, 24317), (254, 24320), (255, 24323), (284, 24338), (303, 24383), (306, 24389), (335, 24443), (358, 24491), (365, 24521), (384, 24566), (415, 24695), (429, 24749),

Gene: Gwilliam_33 Start: 32370, Stop: 33530, Start Num: 62

Candidate Starts for Gwilliam_33:

(Start: 62 @32370 has 278 MA's), (Start: 106 @32481 has 1 MA's), (125, 32526), (171, 32625), (194, 32685), (208, 32721), (220, 32745), (241, 32790), (242, 32796), (265, 32847), (280, 32886), (281, 32889), (285, 32901), (290, 32916), (316, 32940), (330, 32973), (362, 33054), (374, 33099), (391, 33147), (403, 33183), (406, 33192), (409, 33198), (485, 33423),

Gene: Gyarad_0033 Start: 32372, Stop: 33532, Start Num: 62

Candidate Starts for Gyarad_0033:

(Start: 62 @32372 has 278 MA's), (Start: 106 @32483 has 1 MA's), (125, 32528), (171, 32627), (194, 32687), (208, 32723), (220, 32747), (241, 32792), (242, 32798), (265, 32849), (280, 32888), (281, 32891), (285, 32903), (290, 32918), (316, 32942), (330, 32975), (362, 33056), (374, 33101), (391, 33149), (403, 33185), (406, 33194), (409, 33200), (485, 33425),

Gene: HC_22 Start: 21369, Stop: 22406, Start Num: 81

Candidate Starts for HC_22:

(71, 21345), (Start: 79 @21366 has 6 MA's), (Start: 81 @21369 has 84 MA's), (90, 21393), (157, 21531), (171, 21573), (200, 21642), (230, 21702), (248, 21747), (288, 21792), (330, 21873), (358, 21930), (363, 21954), (396, 22059), (413, 22131), (431, 22176), (495, 22341),

Gene: HSavage_33 Start: 32376, Stop: 33536, Start Num: 62

Candidate Starts for HSavage_33:

(Start: 62 @32376 has 278 MA's), (Start: 106 @32487 has 1 MA's), (125, 32532), (171, 32631), (194, 32691), (208, 32727), (220, 32751), (241, 32796), (242, 32802), (265, 32853), (280, 32892), (281, 32895), (285, 32907), (290, 32922), (316, 32946), (330, 32979), (362, 33060), (374, 33105), (391, 33153), (403, 33189), (406, 33198), (409, 33204), (485, 33429),

Gene: HUHilltop_22 Start: 21299, Stop: 22336, Start Num: 81

Candidate Starts for HUHilltop_22:

(71, 21275), (Start: 79 @21296 has 6 MA's), (Start: 81 @21299 has 84 MA's), (90, 21323), (157, 21461), (171, 21503), (200, 21572), (230, 21632), (248, 21677), (288, 21722), (330, 21803), (358, 21860), (363, 21884), (396, 21989), (413, 22061), (431, 22106), (495, 22271),

Gene: Haimas_33 Start: 32367, Stop: 33527, Start Num: 62

Candidate Starts for Haimas_33:

(Start: 62 @32367 has 278 MA's), (Start: 106 @32478 has 1 MA's), (125, 32523), (171, 32622), (194, 32682), (208, 32718), (220, 32742), (241, 32787), (242, 32793), (265, 32844), (280, 32883), (281, 32886), (285, 32898), (290, 32913), (316, 32937), (330, 32970), (362, 33051), (374, 33096), (391, 33144), (403, 33180), (406, 33189), (409, 33195), (485, 33420),

Gene: Haleema_32 Start: 32090, Stop: 33250, Start Num: 62

Candidate Starts for Haleema_32:

(Start: 62 @32090 has 278 MA's), (Start: 106 @32201 has 1 MA's), (125, 32246), (171, 32345), (194, 32405), (208, 32441), (220, 32465), (241, 32510), (242, 32516), (265, 32567), (280, 32606), (281, 32609), (285, 32621), (290, 32636), (316, 32660), (330, 32693), (362, 32774), (374, 32819), (391, 32867), (403, 32903), (406, 32912), (409, 32918), (485, 33143),

Gene: Halena_21 Start: 21699, Stop: 22871, Start Num: 64

Candidate Starts for Halena_21:

(Start: 61 @21696 has 5 MA's), (Start: 64 @21699 has 31 MA's), (Start: 116 @21825 has 2 MA's), (133, 21867), (139, 21879), (142, 21882), (Start: 160 @21915 has 3 MA's), (165, 21927), (185, 21975), (191, 21993), (203, 22029), (208, 22044), (236, 22095), (246, 22125), (264, 22167), (277, 22191), (310, 22227), (314, 22233), (327, 22260), (340, 22278), (364, 22371), (365, 22374), (389, 22458), (428, 22596), (440, 22614), (471, 22698),

Gene: Halfpint_32 Start: 32038, Stop: 33240, Start Num: 66

Candidate Starts for Halfpint_32:

(Start: 66 @32038 has 84 MA's), (135, 32215), (141, 32224), (148, 32233), (166, 32272), (169, 32281), (176, 32299), (185, 32317), (191, 32335), (192, 32341), (196, 32353), (203, 32371), (208, 32386), (238, 32446), (256, 32491), (287, 32572), (298, 32599), (317, 32617), (324, 32635), (339, 32677), (368, 32806), (401, 32896), (425, 32998), (452, 33055), (458, 33064), (471, 33103), (489, 33175), (502, 33217),

Gene: Hamish_33 Start: 32359, Stop: 33519, Start Num: 62

Candidate Starts for Hamish_33:

(Start: 62 @32359 has 278 MA's), (Start: 106 @32470 has 1 MA's), (125, 32515), (171, 32614), (194, 32674), (208, 32710), (220, 32734), (241, 32779), (242, 32785), (265, 32836), (280, 32875), (281, 32878), (285, 32890), (290, 32905), (316, 32929), (330, 32962), (362, 33043), (374, 33088), (391, 33136), (403, 33172), (406, 33181), (409, 33187), (485, 33412),

Gene: Hammy_27 Start: 23691, Stop: 24695, Start Num: 110

Candidate Starts for Hammy_27:

(Start: 110 @23691 has 87 MA's), (234, 23976), (256, 24033), (348, 24165), (356, 24192), (389, 24306), (433, 24459), (471, 24552), (475, 24555), (488, 24618), (494, 24630),

Gene: Hamood_27 Start: 23849, Stop: 24916, Start Num: 82

Candidate Starts for Hamood_27:

(Start: 82 @23849 has 13 MA's), (253, 24227), (350, 24368), (354, 24383), (358, 24395), (363, 24419), (387, 24503), (389, 24509), (400, 24542), (404, 24554), (426, 24650), (427, 24653), (440,

24674),

Gene: Hangman_30 Start: 32602, Stop: 33759, Start Num: 66

Candidate Starts for Hangman_30:

(Start: 66 @32602 has 84 MA's), (102, 32695), (Start: 106 @32710 has 1 MA's), (114, 32725), (118, 32737), (125, 32755), (150, 32797), (190, 32896), (192, 32905), (199, 32923), (221, 32965), (225, 32971), (227, 32977), (232, 32983), (244, 33010), (249, 33019), (267, 33052), (284, 33085), (320, 33145), (332, 33175), (339, 33181), (343, 33202), (351, 33226), (363, 33280), (364, 33283), (409, 33427),

Gene: Hartsy_32 Start: 32410, Stop: 33570, Start Num: 62

Candidate Starts for Hartsy_32:

(Start: 62 @32410 has 278 MA's), (Start: 106 @32521 has 1 MA's), (125, 32566), (171, 32665), (194, 32725), (208, 32761), (220, 32785), (241, 32830), (242, 32836), (265, 32887), (280, 32926), (281, 32929), (285, 32941), (316, 32980), (330, 33013), (362, 33094), (391, 33187), (403, 33223), (406, 33232), (409, 33238), (485, 33463),

Gene: Harvey_33 Start: 32385, Stop: 33545, Start Num: 62

Candidate Starts for Harvey_33:

(Start: 62 @32385 has 278 MA's), (Start: 106 @32496 has 1 MA's), (125, 32541), (171, 32640), (194, 32700), (208, 32736), (220, 32760), (241, 32805), (242, 32811), (265, 32862), (280, 32901), (281, 32904), (285, 32916), (316, 32955), (330, 32988), (362, 33069), (374, 33114), (391, 33162), (403, 33198), (406, 33207), (409, 33213), (485, 33438),

Gene: HarveySr_33 Start: 32202, Stop: 33404, Start Num: 66

Candidate Starts for HarveySr_33:

(Start: 66 @32202 has 84 MA's), (Start: 77 @32235 has 10 MA's), (135, 32379), (141, 32388), (148, 32397), (166, 32436), (169, 32445), (176, 32463), (185, 32481), (191, 32499), (192, 32505), (196, 32517), (203, 32535), (208, 32550), (225, 32583), (238, 32610), (256, 32655), (287, 32736), (298, 32763), (317, 32781), (324, 32799), (339, 32841), (368, 32970), (401, 33060), (425, 33162), (452, 33219), (458, 33228), (471, 33267), (489, 33339), (502, 33381),

Gene: Hashim76_35 Start: 31239, Stop: 32393, Start Num: 58

Candidate Starts for Hashim76_35:

(Start: 58 @31239 has 8 MA's), (Start: 106 @31356 has 1 MA's), (130, 31416), (142, 31437), (151, 31446), (166, 31485), (169, 31494), (190, 31545), (210, 31605), (225, 31632), (244, 31674), (256, 31704), (275, 31752), (330, 31854), (341, 31866), (363, 31941), (392, 32037), (402, 32067), (409, 32085), (416, 32121), (461, 32223),

Gene: Heath_29 Start: 32206, Stop: 33363, Start Num: 66

Candidate Starts for Heath_29:

(Start: 66 @32206 has 84 MA's), (102, 32299), (Start: 106 @32314 has 1 MA's), (114, 32329), (118, 32341), (125, 32359), (150, 32401), (190, 32500), (192, 32509), (199, 32527), (208, 32554), (221, 32569), (225, 32575), (227, 32581), (232, 32587), (244, 32614), (249, 32623), (267, 32656), (284, 32689), (290, 32707), (320, 32749), (332, 32779), (339, 32785), (343, 32806), (363, 32884), (364, 32887), (382, 32932), (409, 33031), (459, 33184),

Gene: Heathcliff_33 Start: 32184, Stop: 33386, Start Num: 66

Candidate Starts for Heathcliff_33:

(Start: 66 @32184 has 84 MA's), (Start: 77 @32217 has 10 MA's), (135, 32361), (141, 32370), (148, 32379), (166, 32418), (169, 32427), (176, 32445), (185, 32463), (191, 32481), (192, 32487), (196, 32499), (203, 32517), (208, 32532), (225, 32565), (238, 32592), (256, 32637), (287, 32718), (298, 32745), (317, 32763), (324, 32781), (339, 32823), (344, 32847), (364, 32922), (368, 32952), (391,

33012), (394, 33024), (401, 33042), (425, 33144), (471, 33249), (476, 33255), (479, 33273), (501, 33360),

Gene: Hedgerow_33 Start: 32796, Stop: 33959, Start Num: 62

Candidate Starts for Hedgerow_33:

(29, 32649), (Start: 57 @32790 has 11 MA's), (Start: 62 @32796 has 278 MA's), (78, 32835), (91, 32865), (Start: 106 @32910 has 1 MA's), (125, 32955), (171, 33054), (194, 33114), (208, 33150), (220, 33174), (241, 33219), (242, 33225), (265, 33276), (280, 33315), (281, 33318), (285, 33330), (290, 33345), (316, 33369), (330, 33402), (362, 33483), (391, 33576), (403, 33612), (406, 33621), (409, 33627), (420, 33687), (485, 33852),

Gene: HedwigODU_28 Start: 23325, Stop: 24338, Start Num: 110

Candidate Starts for HedwigODU_28:

(11, 22881), (27, 23028), (87, 23280), (Start: 110 @23325 has 87 MA's), (Start: 160 @23436 has 3 MA's), (202, 23550), (256, 23667), (276, 23709), (283, 23721), (331, 23775), (362, 23853), (391, 23949), (396, 23961), (405, 23991), (409, 24000), (443, 24114), (471, 24183),

Gene: Heftyboy_27 Start: 24081, Stop: 25148, Start Num: 81

Candidate Starts for Heftyboy_27:

(Start: 81 @24081 has 84 MA's), (129, 24198), (Start: 160 @24255 has 3 MA's), (180, 24303), (182, 24309), (203, 24366), (204, 24369), (210, 24384), (230, 24411), (245, 24450), (248, 24453), (253, 24465), (254, 24468), (255, 24471), (284, 24486), (303, 24531), (306, 24537), (335, 24591), (358, 24639), (365, 24669), (384, 24714), (415, 24843), (429, 24897),

Gene: Held_33 Start: 32074, Stop: 33234, Start Num: 62

Candidate Starts for Held_33:

(Start: 62 @32074 has 278 MA's), (Start: 106 @32185 has 1 MA's), (125, 32230), (171, 32329), (194, 32389), (208, 32425), (220, 32449), (241, 32494), (242, 32500), (265, 32551), (280, 32590), (281, 32593), (285, 32605), (290, 32620), (316, 32644), (330, 32677), (362, 32758), (374, 32803), (391, 32851), (403, 32887), (406, 32896), (409, 32902), (485, 33127),

Gene: HenryJackson_32 Start: 32090, Stop: 33250, Start Num: 62

Candidate Starts for HenryJackson_32:

(Start: 62 @32090 has 278 MA's), (Start: 106 @32201 has 1 MA's), (125, 32246), (171, 32345), (194, 32405), (208, 32441), (220, 32465), (241, 32510), (242, 32516), (265, 32567), (280, 32606), (281, 32609), (285, 32621), (290, 32636), (316, 32660), (330, 32693), (362, 32774), (374, 32819), (391, 32867), (403, 32903), (406, 32912), (409, 32918), (485, 33143),

Gene: Hertubise_33 Start: 32381, Stop: 33541, Start Num: 62

Candidate Starts for Hertubise_33:

(Start: 62 @32381 has 278 MA's), (Start: 106 @32492 has 1 MA's), (125, 32537), (171, 32636), (194, 32696), (208, 32732), (220, 32756), (241, 32801), (242, 32807), (265, 32858), (280, 32897), (281, 32900), (285, 32912), (290, 32927), (316, 32951), (330, 32984), (362, 33065), (374, 33110), (391, 33158), (403, 33194), (406, 33203), (409, 33209), (485, 33434),

Gene: Hetaeria_33 Start: 32383, Stop: 33543, Start Num: 62

Candidate Starts for Hetaeria_33:

(Start: 62 @32383 has 278 MA's), (Start: 106 @32494 has 1 MA's), (125, 32539), (171, 32638), (194, 32698), (208, 32734), (220, 32758), (241, 32803), (242, 32809), (265, 32860), (280, 32899), (281, 32902), (285, 32914), (316, 32953), (330, 32986), (362, 33067), (374, 33112), (391, 33160), (403, 33196), (406, 33205), (409, 33211), (485, 33436),

Gene: HighStump_32 Start: 32073, Stop: 33233, Start Num: 62

Candidate Starts for HighStump_32:

(Start: 62 @32073 has 278 MA's), (Start: 106 @32184 has 1 MA's), (125, 32229), (171, 32328), (194, 32388), (208, 32424), (220, 32448), (241, 32493), (242, 32499), (265, 32550), (280, 32589), (281, 32592), (285, 32604), (290, 32619), (316, 32643), (330, 32676), (362, 32757), (374, 32802), (391, 32850), (403, 32886), (406, 32895), (409, 32901), (485, 33126),

Gene: Hilltopfarm_28 Start: 26055, Stop: 27092, Start Num: 81

Candidate Starts for Hilltopfarm_28:

(Start: 81 @26055 has 84 MA's), (132, 26178), (162, 26232), (176, 26268), (202, 26331), (230, 26379), (253, 26433), (254, 26436), (362, 26622), (369, 26658), (385, 26700), (391, 26718), (409, 26769),

Gene: Hocus_32 Start: 32082, Stop: 33242, Start Num: 62

Candidate Starts for Hocus_32:

(Start: 62 @32082 has 278 MA's), (Start: 106 @32193 has 1 MA's), (125, 32238), (171, 32337), (194, 32397), (208, 32433), (220, 32457), (241, 32502), (242, 32508), (265, 32559), (280, 32598), (281, 32601), (285, 32613), (316, 32652), (330, 32685), (362, 32766), (374, 32811), (391, 32859), (403, 32895), (406, 32904), (409, 32910), (485, 33135),

Gene: Holeinone_33 Start: 32676, Stop: 33839, Start Num: 62

Candidate Starts for Holeinone_33:

(29, 32529), (Start: 57 @32670 has 11 MA's), (Start: 62 @32676 has 278 MA's), (78, 32715), (91, 32745), (Start: 106 @32790 has 1 MA's), (125, 32835), (171, 32934), (194, 32994), (208, 33030), (220, 33054), (241, 33099), (242, 33105), (265, 33156), (280, 33195), (281, 33198), (285, 33210), (290, 33225), (316, 33249), (330, 33282), (362, 33363), (391, 33456), (403, 33492), (406, 33501), (409, 33507), (485, 33732),

Gene: Homura_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Homura_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (Start: 160 @23467 has 3 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (396, 23992), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: Horchata_33 Start: 32361, Stop: 33521, Start Num: 62

Candidate Starts for Horchata_33:

(Start: 62 @32361 has 278 MA's), (Start: 106 @32472 has 1 MA's), (125, 32517), (171, 32616), (194, 32676), (208, 32712), (220, 32736), (241, 32781), (242, 32787), (265, 32838), (280, 32877), (281, 32880), (285, 32892), (290, 32907), (316, 32931), (330, 32964), (362, 33045), (374, 33090), (391, 33138), (403, 33174), (406, 33183), (409, 33189), (485, 33414),

Gene: Hosp_025 Start: 28263, Stop: 29486, Start Num: 66

Candidate Starts for Hosp_025:

(Start: 66 @28263 has 84 MA's), (78, 28302), (101, 28353), (Start: 106 @28374 has 1 MA's), (114, 28389), (125, 28419), (158, 28479), (166, 28500), (167, 28503), (190, 28560), (208, 28614), (209, 28617), (211, 28623), (262, 28737), (288, 28806), (328, 28911), (362, 29043), (364, 29049), (404, 29172), (420, 29232), (444, 29286), (447, 29292), (471, 29340),

Gene: Hurricane_28 Start: 23950, Stop: 24975, Start Num: 111

Candidate Starts for Hurricane_28:

(8, 23398), (10, 23464), (12, 23527), (14, 23560), (18, 23602), (41, 23761), (68, 23860), (88, 23917), (Start: 111 @23950 has 58 MA's), (167, 24073), (170, 24082), (181, 24109), (197, 24157), (202, 24169), (210, 24190), (238, 24241), (250, 24271), (350, 24424), (356, 24445), (375, 24517), (387, 24553), (392, 24568), (406, 24610), (409, 24616), (427, 24706), (468, 24805), (469, 24808), (492,

24907), (504, 24958),

Gene: Hydro_30 Start: 32619, Stop: 33776, Start Num: 66

Candidate Starts for Hydro_30:

(Start: 66 @32619 has 84 MA's), (102, 32712), (Start: 106 @32727 has 1 MA's), (114, 32742), (118, 32754), (125, 32772), (150, 32814), (190, 32913), (192, 32922), (199, 32940), (208, 32967), (221, 32982), (225, 32988), (227, 32994), (232, 33000), (244, 33027), (249, 33036), (267, 33069), (284, 33102), (320, 33162), (332, 33192), (339, 33198), (351, 33243), (363, 33297), (364, 33300), (409, 33444), (459, 33597),

Gene: Hyperbowlee_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Hyperbowlee_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (Start: 160 @23467 has 3 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (396, 23992), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: IPhane7_31 Start: 26992, Stop: 28047, Start Num: 81

Candidate Starts for IPhane7_31:

(Start: 81 @26992 has 84 MA's), (176, 27205), (191, 27241), (217, 27304), (254, 27376), (288, 27406), (298, 27427), (317, 27463), (335, 27499), (358, 27547), (362, 27568), (364, 27574), (369, 27604), (371, 27607), (388, 27655), (451, 27844), (461, 27865), (478, 27919),

Gene: IdentityCrisis_21 Start: 19031, Stop: 20086, Start Num: 81

Candidate Starts for IdentityCrisis_21:

(Start: 81 @19031 has 84 MA's), (129, 19148), (204, 19322), (284, 19439), (286, 19445), (363, 19610), (391, 19703), (408, 19751), (413, 19787), (448, 19880),

Gene: Illumine_28 Start: 23339, Stop: 24352, Start Num: 110

Candidate Starts for Illumine_28:

(Start: 110 @23339 has 87 MA's), (Start: 160 @23450 has 3 MA's), (164, 23459), (202, 23564), (248, 23660), (256, 23681), (276, 23723), (283, 23735), (331, 23789), (362, 23867), (391, 23963), (396, 23975), (409, 24014), (443, 24128), (471, 24197), (497, 24293),

Gene: ImtiyazSitla_32 Start: 31924, Stop: 33084, Start Num: 62

Candidate Starts for ImtiyazSitla_32:

(Start: 62 @31924 has 278 MA's), (Start: 106 @32035 has 1 MA's), (125, 32080), (171, 32179), (194, 32239), (208, 32275), (220, 32299), (241, 32344), (242, 32350), (265, 32401), (280, 32440), (281, 32443), (285, 32455), (290, 32470), (316, 32494), (330, 32527), (362, 32608), (374, 32653), (391, 32701), (403, 32737), (406, 32746), (409, 32752), (485, 32977),

Gene: Imvubu_25 Start: 28919, Stop: 30094, Start Num: 58

Candidate Starts for Imvubu_25:

(Start: 58 @28919 has 8 MA's), (98, 29009), (Start: 106 @29036 has 1 MA's), (Start: 116 @29057 has 2 MA's), (142, 29117), (151, 29126), (166, 29165), (169, 29174), (176, 29192), (190, 29225), (210, 29285), (244, 29354), (251, 29372), (262, 29399), (268, 29414), (273, 29426), (330, 29534), (436, 29858), (466, 29933), (476, 29954), (482, 29984), (502, 30071),

Gene: Inchworm_33 Start: 32359, Stop: 33519, Start Num: 62

Candidate Starts for Inchworm_33:

(Start: 62 @32359 has 278 MA's), (Start: 106 @32470 has 1 MA's), (125, 32515), (171, 32614), (194, 32674), (208, 32710), (220, 32734), (241, 32779), (242, 32785), (265, 32836), (280, 32875), (281, 32878), (285, 32890), (290, 32905), (316, 32929), (330, 32962), (362, 33043), (374, 33088), (391, 33136), (403, 33172), (406, 33181), (409, 33187), (485, 33412),

Gene: Indlovu_29 Start: 31250, Stop: 32386, Start Num: 58

Candidate Starts for Indlovu_29:

(48, 31217), (Start: 58 @31250 has 8 MA's), (Start: 106 @31367 has 1 MA's), (142, 31448), (153, 31463), (166, 31496), (169, 31505), (192, 31565), (203, 31595), (211, 31619), (265, 31736), (342, 31877), (383, 31985), (396, 32042),

Gene: Inky_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Inky_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: Inverness_33 Start: 32373, Stop: 33533, Start Num: 62

Candidate Starts for Inverness_33:

(Start: 62 @32373 has 278 MA's), (Start: 106 @32484 has 1 MA's), (125, 32529), (171, 32628), (194, 32688), (208, 32724), (220, 32748), (241, 32793), (242, 32799), (265, 32850), (280, 32889), (281, 32892), (285, 32904), (290, 32919), (316, 32943), (330, 32976), (362, 33057), (374, 33102), (391, 33150), (403, 33186), (406, 33195), (409, 33201), (485, 33426),

Gene: InvictusManeo_27 Start: 24083, Stop: 25147, Start Num: 81

Candidate Starts for InvictusManeo_27:

(Start: 81 @24083 has 84 MA's), (119, 24173), (129, 24200), (162, 24263), (182, 24311), (196, 24350), (203, 24368), (230, 24413), (245, 24452), (288, 24500), (296, 24518), (335, 24593), (363, 24659), (389, 24749), (390, 24752), (391, 24755), (402, 24788), (426, 24887), (427, 24890), (467, 24974), (472, 24986), (498, 25103),

Gene: Iridoclysis_33 Start: 32353, Stop: 33513, Start Num: 62

Candidate Starts for Iridoclysis_33:

(Start: 62 @32353 has 278 MA's), (Start: 106 @32464 has 1 MA's), (125, 32509), (171, 32608), (194, 32668), (208, 32704), (220, 32728), (241, 32773), (242, 32779), (265, 32830), (280, 32869), (281, 32872), (285, 32884), (316, 32923), (330, 32956), (362, 33037), (374, 33082), (391, 33130), (403, 33166), (406, 33175), (409, 33181), (485, 33406),

Gene: IsaacEli_33 Start: 32377, Stop: 33537, Start Num: 62

Candidate Starts for IsaacEli_33:

(Start: 62 @32377 has 278 MA's), (Start: 106 @32488 has 1 MA's), (125, 32533), (171, 32632), (194, 32692), (208, 32728), (220, 32752), (241, 32797), (242, 32803), (265, 32854), (280, 32893), (281, 32896), (285, 32908), (290, 32923), (316, 32947), (330, 32980), (362, 33061), (374, 33106), (391, 33154), (403, 33190), (406, 33199), (409, 33205), (485, 33430),

Gene: ItsyBitsy1_33 Start: 32678, Stop: 33841, Start Num: 62

Candidate Starts for ItsyBitsy1_33:

(29, 32531), (Start: 57 @32672 has 11 MA's), (Start: 62 @32678 has 278 MA's), (78, 32717), (91, 32747), (Start: 106 @32792 has 1 MA's), (125, 32837), (171, 32936), (194, 32996), (208, 33032), (220, 33056), (241, 33101), (242, 33107), (265, 33158), (280, 33197), (281, 33200), (285, 33212), (290, 33227), (316, 33251), (330, 33284), (362, 33365), (391, 33458), (403, 33494), (406, 33503), (409, 33509), (485, 33734),

Gene: JAMaL_30 Start: 32789, Stop: 33946, Start Num: 66

Candidate Starts for JAMaL_30:

(Start: 66 @32789 has 84 MA's), (102, 32882), (Start: 106 @32897 has 1 MA's), (114, 32912), (118, 32924), (125, 32942), (169, 33032), (190, 33083), (192, 33092), (193, 33098), (199, 33110), (208,

33137), (221, 33152), (225, 33158), (227, 33164), (244, 33197), (249, 33206), (267, 33239), (284, 33272), (332, 33362), (339, 33368), (363, 33467), (364, 33470), (409, 33614), (459, 33767),

Gene: JAWS_28 Start: 23310, Stop: 24323, Start Num: 110

Candidate Starts for JAWS_28:

(11, 22866), (87, 23265), (Start: 110 @23310 has 87 MA's), (Start: 160 @23421 has 3 MA's), (202, 23535), (256, 23652), (276, 23694), (283, 23706), (331, 23760), (362, 23838), (391, 23934), (405, 23976), (409, 23985), (443, 24099), (471, 24168),

Gene: JDog_33 Start: 32090, Stop: 33250, Start Num: 62

Candidate Starts for JDog_33:

(Start: 62 @32090 has 278 MA's), (Start: 106 @32201 has 1 MA's), (125, 32246), (171, 32345), (194, 32405), (208, 32441), (220, 32465), (241, 32510), (242, 32516), (265, 32567), (280, 32606), (281, 32609), (285, 32621), (290, 32636), (316, 32660), (330, 32693), (362, 32774), (374, 32819), (391, 32867), (403, 32903), (406, 32912), (409, 32918), (485, 33143),

Gene: JF1_29 Start: 24585, Stop: 25589, Start Num: 111

Candidate Starts for JF1_29:

(Start: 111 @24585 has 58 MA's), (138, 24654), (185, 24753), (201, 24798), (202, 24804), (230, 24858), (235, 24867), (248, 24903), (269, 24948), (278, 24969), (282, 24975), (283, 24978), (362, 25110), (363, 25113), (401, 25236), (409, 25257), (494, 25524),

Gene: JacAttac_33 Start: 32359, Stop: 33519, Start Num: 62

Candidate Starts for JacAttac_33:

(Start: 62 @32359 has 278 MA's), (Start: 106 @32470 has 1 MA's), (125, 32515), (171, 32614), (194, 32674), (208, 32710), (220, 32734), (241, 32779), (242, 32785), (265, 32836), (280, 32875), (281, 32878), (285, 32890), (290, 32905), (316, 32929), (330, 32962), (362, 33043), (374, 33088), (391, 33136), (403, 33172), (406, 33181), (409, 33187), (485, 33412),

Gene: Jackstina_30 Start: 32142, Stop: 33344, Start Num: 66

Candidate Starts for Jackstina_30:

(Start: 66 @32142 has 84 MA's), (Start: 77 @32175 has 10 MA's), (135, 32319), (141, 32328), (148, 32337), (166, 32376), (169, 32385), (176, 32403), (185, 32421), (191, 32439), (192, 32445), (196, 32457), (203, 32475), (208, 32490), (225, 32523), (238, 32550), (256, 32595), (287, 32676), (298, 32703), (317, 32721), (324, 32739), (339, 32781), (368, 32910), (401, 33000), (425, 33102), (452, 33159), (458, 33168), (471, 33207), (489, 33279), (502, 33321),

Gene: JaguarMi_30 Start: 32084, Stop: 33241, Start Num: 66

Candidate Starts for JaguarMi_30:

(Start: 66 @32084 has 84 MA's), (102, 32177), (Start: 106 @32192 has 1 MA's), (114, 32207), (118, 32219), (125, 32237), (135, 32261), (150, 32279), (157, 32294), (190, 32378), (192, 32387), (199, 32405), (221, 32447), (225, 32453), (227, 32459), (232, 32465), (244, 32492), (249, 32501), (267, 32534), (284, 32567), (320, 32627), (332, 32657), (339, 32663), (363, 32762), (364, 32765), (397, 32876), (409, 32909), (459, 33062), (466, 33086), (471, 33098),

Gene: JakeO_32 Start: 32092, Stop: 33252, Start Num: 62

Candidate Starts for JakeO_32:

(Start: 62 @32092 has 278 MA's), (Start: 106 @32203 has 1 MA's), (125, 32248), (171, 32347), (194, 32407), (208, 32443), (220, 32467), (241, 32512), (242, 32518), (265, 32569), (280, 32608), (281, 32611), (285, 32623), (290, 32638), (316, 32662), (330, 32695), (362, 32776), (391, 32869), (403, 32905), (406, 32914), (409, 32920), (485, 33145),

Gene: Jamie19_21 Start: 19877, Stop: 21031, Start Num: 66

Candidate Starts for Jamie19_21:

(20, 19640), (25, 19682), (30, 19712), (34, 19742), (44, 19802), (55, 19856), (Start: 66 @19877 has 84 MA's), (95, 19958), (Start: 113 @20006 has 1 MA's), (134, 20066), (140, 20075), (148, 20090), (161, 20114), (170, 20138), (174, 20150), (202, 20225), (205, 20234), (214, 20258), (225, 20288), (284, 20372), (285, 20375), (293, 20396), (362, 20555), (388, 20645), (391, 20654), (401, 20684), (409, 20705), (502, 21008),

Gene: JangoPhett_33 Start: 32361, Stop: 33521, Start Num: 62

Candidate Starts for JangoPhett_33:

(Start: 62 @32361 has 278 MA's), (Start: 106 @32472 has 1 MA's), (125, 32517), (171, 32616), (194, 32676), (208, 32712), (220, 32736), (241, 32781), (242, 32787), (265, 32838), (280, 32877), (281, 32880), (285, 32892), (316, 32931), (330, 32964), (362, 33045), (374, 33090), (391, 33138), (403, 33174), (406, 33183), (409, 33189), (485, 33414),

Gene: Jarvi_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Jarvi_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: Jayhawk_29 Start: 23434, Stop: 24336, Start Num: 160

Candidate Starts for Jayhawk_29:

(11, 22879), (27, 23026), (87, 23278), (Start: 110 @23323 has 87 MA's), (Start: 160 @23434 has 3 MA's), (202, 23548), (256, 23665), (276, 23707), (283, 23719), (331, 23773), (362, 23851), (391, 23947), (396, 23959), (405, 23989), (409, 23998), (443, 24112), (471, 24181),

Gene: Jebeks_22 Start: 21284, Stop: 22321, Start Num: 81

Candidate Starts for Jebeks_22:

(71, 21260), (Start: 79 @21281 has 6 MA's), (Start: 81 @21284 has 84 MA's), (90, 21308), (157, 21446), (171, 21488), (200, 21557), (230, 21617), (248, 21662), (288, 21707), (330, 21788), (358, 21845), (363, 21869), (396, 21974), (413, 22046), (431, 22091), (495, 22256),

Gene: Jeckyll_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Jeckyll_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: Jeon_25 Start: 29946, Stop: 31115, Start Num: 57

Candidate Starts for Jeon_25:

(Start: 57 @29946 has 11 MA's), (Start: 62 @29952 has 278 MA's), (78, 29991), (91, 30021), (Start: 106 @30066 has 1 MA's), (125, 30111), (171, 30210), (194, 30270), (208, 30306), (220, 30330), (241, 30375), (242, 30381), (265, 30432), (280, 30471), (281, 30474), (285, 30486), (290, 30501), (316, 30525), (330, 30558), (362, 30639), (374, 30684), (391, 30732), (403, 30768), (406, 30777), (409, 30783), (485, 31008),

Gene: Jillium_32 Start: 32083, Stop: 33243, Start Num: 62

Candidate Starts for Jillium_32:

(Start: 62 @32083 has 278 MA's), (Start: 106 @32194 has 1 MA's), (125, 32239), (171, 32338), (194, 32398), (208, 32434), (220, 32458), (241, 32503), (242, 32509), (265, 32560), (280, 32599), (281, 32602), (285, 32614), (290, 32629), (316, 32653), (330, 32686), (362, 32767), (374, 32812), (391, 32860), (403, 32896), (406, 32905), (409, 32911), (485, 33136),

Gene: Jiminy_32 Start: 31927, Stop: 33087, Start Num: 62

Candidate Starts for Jiminy_32:

(Start: 62 @31927 has 278 MA's), (Start: 106 @32038 has 1 MA's), (125, 32083), (171, 32182), (194, 32242), (208, 32278), (220, 32302), (241, 32347), (242, 32353), (265, 32404), (280, 32443), (281, 32446), (285, 32458), (316, 32497), (330, 32530), (362, 32611), (391, 32704), (403, 32740), (406, 32749), (409, 32755), (485, 32980),

Gene: Jiraiya_33 Start: 32080, Stop: 33240, Start Num: 62

Candidate Starts for Jiraiya_33:

(Start: 62 @32080 has 278 MA's), (Start: 106 @32191 has 1 MA's), (125, 32236), (171, 32335), (194, 32395), (208, 32431), (220, 32455), (241, 32500), (242, 32506), (265, 32557), (280, 32596), (281, 32599), (285, 32611), (290, 32626), (316, 32650), (330, 32683), (362, 32764), (391, 32857), (403, 32893), (406, 32902), (409, 32908), (485, 33133),

Gene: Jobypre_22 Start: 22247, Stop: 23464, Start Num: 64

Candidate Starts for Jobypre_22:

(Start: 64 @22247 has 31 MA's), (105, 22349), (Start: 111 @22361 has 58 MA's), (118, 22379), (121, 22388), (139, 22427), (Start: 160 @22463 has 3 MA's), (166, 22478), (168, 22484), (181, 22514), (183, 22517), (193, 22553), (199, 22565), (219, 22616), (221, 22619), (249, 22679), (259, 22706), (266, 22721), (268, 22727), (273, 22739), (299, 22799), (321, 22823), (340, 22883), (363, 22979), (370, 23012), (394, 23084), (403, 23108), (479, 23336), (484, 23348),

Gene: JoeDirt_21 Start: 21667, Stop: 22842, Start Num: 61

Candidate Starts for JoeDirt_21:

(Start: 61 @21667 has 5 MA's), (Start: 64 @21670 has 31 MA's), (Start: 116 @21796 has 2 MA's), (133, 21838), (139, 21850), (142, 21853), (Start: 160 @21886 has 3 MA's), (165, 21898), (185, 21946), (191, 21964), (203, 22000), (208, 22015), (236, 22066), (246, 22096), (264, 22138), (277, 22162), (310, 22198), (314, 22204), (327, 22231), (340, 22249), (364, 22342), (365, 22345), (389, 22429), (428, 22567), (440, 22585), (471, 22669),

Gene: Jolie1_027 Start: 30065, Stop: 31273, Start Num: 66

Candidate Starts for Jolie1_027:

(Start: 66 @30065 has 84 MA's), (78, 30104), (94, 30146), (99, 30155), (101, 30158), (Start: 106 @30179 has 1 MA's), (125, 30224), (146, 30263), (158, 30284), (166, 30305), (167, 30308), (190, 30365), (208, 30419), (209, 30422), (211, 30428), (230, 30464), (257, 30530), (262, 30542), (264, 30545), (266, 30551), (282, 30593), (318, 30674), (328, 30698), (363, 30833), (373, 30869), (404, 30959), (420, 31019), (444, 31073), (471, 31127),

Gene: Jolie2_23 Start: 22241, Stop: 23368, Start Num: 66

Candidate Starts for Jolie2_23:

(24, 22061), (45, 22184), (Start: 66 @22241 has 84 MA's), (208, 22592), (230, 22634), (260, 22709), (288, 22781), (325, 22820), (362, 22919), (363, 22922), (364, 22925), (405, 23051), (457, 23189),

Gene: Joy99_28 Start: 23285, Stop: 24298, Start Num: 110

Candidate Starts for Joy99_28:

(11, 22841), (87, 23240), (Start: 110 @23285 has 87 MA's), (202, 23510), (256, 23627), (276, 23669), (283, 23681), (331, 23735), (362, 23813), (391, 23909), (405, 23951), (409, 23960), (443, 24074), (471, 24143),

Gene: Jubie_22 Start: 22248, Stop: 23465, Start Num: 64

Candidate Starts for Jubie_22:

(Start: 64 @22248 has 31 MA's), (105, 22350), (Start: 111 @22362 has 58 MA's), (118, 22380), (121, 22389), (139, 22428), (Start: 160 @22464 has 3 MA's), (166, 22479), (168, 22485), (181, 22515),

(183, 22518), (193, 22554), (199, 22566), (219, 22617), (221, 22620), (249, 22680), (259, 22707), (266, 22722), (268, 22728), (273, 22740), (299, 22800), (321, 22824), (340, 22884), (363, 22980), (370, 23013), (394, 23085), (403, 23109), (479, 23337), (484, 23349),

Gene: Juliette_30 Start: 24531, Stop: 25565, Start Num: 80

Candidate Starts for Juliette_30:

(53, 24465), (Start: 80 @24531 has 6 MA's), (153, 24687), (156, 24690), (171, 24735), (176, 24744), (204, 24819), (248, 24906), (288, 24951), (330, 25032), (358, 25089), (363, 25113), (396, 25218), (413, 25290), (441, 25350), (495, 25500),

Gene: Jung_22 Start: 21225, Stop: 22292, Start Num: 81

Candidate Starts for Jung_22:

(71, 21201), (Start: 79 @21222 has 6 MA's), (Start: 81 @21225 has 84 MA's), (90, 21249), (153, 21381), (157, 21387), (171, 21429), (197, 21495), (200, 21498), (230, 21558), (248, 21603), (288, 21648), (330, 21729), (358, 21786), (363, 21810), (376, 21852), (412, 21981), (418, 22002),

Gene: Juniormint_22 Start: 21325, Stop: 22380, Start Num: 81

Candidate Starts for Juniormint_22:

(71, 21301), (Start: 79 @21322 has 6 MA's), (Start: 81 @21325 has 84 MA's), (90, 21349), (157, 21487), (171, 21529), (200, 21598), (230, 21676), (248, 21721), (288, 21766), (330, 21847), (358, 21904), (363, 21928), (396, 22033), (413, 22105), (431, 22150), (495, 22315),

Gene: KLucky39_33 Start: 32371, Stop: 33531, Start Num: 62

Candidate Starts for KLucky39_33:

(Start: 62 @32371 has 278 MA's), (Start: 106 @32482 has 1 MA's), (125, 32527), (171, 32626), (194, 32686), (208, 32722), (220, 32746), (241, 32791), (242, 32797), (265, 32848), (280, 32887), (281, 32890), (285, 32902), (290, 32917), (316, 32941), (330, 32974), (362, 33055), (374, 33100), (391, 33148), (403, 33184), (406, 33193), (409, 33199), (485, 33424),

Gene: Kahve_32 Start: 32087, Stop: 33247, Start Num: 62

Candidate Starts for Kahve_32:

(Start: 62 @32087 has 278 MA's), (Start: 106 @32198 has 1 MA's), (125, 32243), (171, 32342), (194, 32402), (208, 32438), (220, 32462), (241, 32507), (242, 32513), (265, 32564), (280, 32603), (281, 32606), (285, 32618), (290, 32633), (316, 32657), (330, 32690), (362, 32771), (374, 32816), (391, 32864), (403, 32900), (406, 32909), (409, 32915), (485, 33140),

Gene: Kailash_33 Start: 32425, Stop: 33585, Start Num: 62

Candidate Starts for Kailash_33:

(Start: 62 @32425 has 278 MA's), (Start: 106 @32536 has 1 MA's), (125, 32581), (171, 32680), (194, 32740), (208, 32776), (220, 32800), (241, 32845), (242, 32851), (265, 32902), (280, 32941), (281, 32944), (285, 32956), (316, 32995), (330, 33028), (362, 33109), (391, 33202), (403, 33238), (406, 33247), (409, 33253), (485, 33478),

Gene: Kaleb_33 Start: 32811, Stop: 33974, Start Num: 62

Candidate Starts for Kaleb_33:

(29, 32664), (Start: 57 @32805 has 11 MA's), (Start: 62 @32811 has 278 MA's), (78, 32850), (91, 32880), (Start: 106 @32925 has 1 MA's), (125, 32970), (171, 33069), (194, 33129), (208, 33165), (220, 33189), (241, 33234), (242, 33240), (265, 33291), (280, 33330), (281, 33333), (285, 33345), (290, 33360), (316, 33384), (330, 33417), (362, 33498), (374, 33543), (391, 33591), (403, 33627), (406, 33636), (409, 33642), (485, 33867),

Gene: Kamiyu_33 Start: 32188, Stop: 33390, Start Num: 66

Candidate Starts for Kamiyu_33:

(Start: 66 @32188 has 84 MA's), (Start: 77 @32221 has 10 MA's), (135, 32365), (141, 32374), (148, 32383), (166, 32422), (169, 32431), (176, 32449), (185, 32467), (191, 32485), (192, 32491), (196, 32503), (203, 32521), (208, 32536), (225, 32569), (238, 32596), (256, 32641), (287, 32722), (298, 32749), (317, 32767), (324, 32785), (339, 32827), (368, 32956), (379, 32965), (401, 33046), (425, 33148), (452, 33205), (458, 33214), (471, 33253), (489, 33325), (502, 33367),

Gene: Kari_22 Start: 21296, Stop: 22336, Start Num: 79

Candidate Starts for Kari_22:

(71, 21275), (Start: 79 @21296 has 6 MA's), (Start: 81 @21299 has 84 MA's), (90, 21323), (157, 21461), (171, 21503), (200, 21572), (230, 21632), (248, 21677), (288, 21722), (330, 21803), (358, 21860), (363, 21884), (396, 21989), (413, 22061), (431, 22106), (495, 22271),

Gene: Katniss_33 Start: 32386, Stop: 33546, Start Num: 62

Candidate Starts for Katniss_33:

(Start: 62 @32386 has 278 MA's), (Start: 106 @32497 has 1 MA's), (125, 32542), (171, 32641), (194, 32701), (208, 32737), (220, 32761), (241, 32806), (242, 32812), (265, 32863), (280, 32902), (281, 32905), (285, 32917), (290, 32932), (316, 32956), (330, 32989), (362, 33070), (374, 33115), (391, 33163), (403, 33199), (406, 33208), (409, 33214), (485, 33439),

Gene: KayaCho_27 Start: 30061, Stop: 31269, Start Num: 66

Candidate Starts for KayaCho_27:

(5, 29536), (9, 29638), (Start: 66 @30061 has 84 MA's), (78, 30100), (101, 30154), (Start: 106 @30175 has 1 MA's), (114, 30190), (125, 30220), (130, 30235), (166, 30301), (167, 30304), (190, 30361), (191, 30364), (208, 30415), (209, 30418), (211, 30424), (215, 30430), (234, 30466), (262, 30538), (264, 30541), (282, 30589), (288, 30607), (328, 30694), (363, 30829), (403, 30952), (404, 30955), (420, 31015), (444, 31069), (447, 31075), (471, 31123),

Gene: Keitherie_33 Start: 32424, Stop: 33584, Start Num: 62

Candidate Starts for Keitherie_33:

(Start: 62 @32424 has 278 MA's), (Start: 106 @32535 has 1 MA's), (125, 32580), (171, 32679), (194, 32739), (208, 32775), (220, 32799), (241, 32844), (242, 32850), (265, 32901), (280, 32940), (281, 32943), (285, 32955), (316, 32994), (330, 33027), (362, 33108), (374, 33153), (391, 33201), (403, 33237), (406, 33246), (409, 33252), (485, 33477),

Gene: Keshu_28 Start: 23942, Stop: 24964, Start Num: 111

Candidate Starts for Keshu_28:

(41, 23753), (68, 23852), (88, 23909), (Start: 111 @23942 has 58 MA's), (178, 24092), (197, 24149), (238, 24233), (250, 24263), (356, 24434), (363, 24464), (406, 24599), (426, 24692), (427, 24695), (440, 24716), (468, 24794), (485, 24863), (490, 24893),

Gene: Kevin1_22 Start: 19999, Stop: 21036, Start Num: 80

Candidate Starts for Kevin1_22:

(53, 19933), (Start: 80 @19999 has 6 MA's), (153, 20155), (157, 20161), (197, 20269), (204, 20287), (248, 20377), (288, 20422), (330, 20503), (363, 20584), (389, 20671), (396, 20689), (413, 20761), (431, 20806), (495, 20971),

Gene: Keziacharles14_32 Start: 24883, Stop: 26085, Start Num: 64

Candidate Starts for Keziacharles14_32:

(Start: 64 @24883 has 31 MA's), (128, 25045), (142, 25066), (172, 25135), (185, 25159), (205, 25219), (211, 25237), (219, 25252), (227, 25267), (251, 25321), (318, 25453), (324, 25468), (337, 25504), (362, 25612), (363, 25615), (366, 25642), (370, 25648), (409, 25759),

Gene: Kheth_33 Start: 32696, Stop: 33862, Start Num: 62

Candidate Starts for Kheth_33:

(Start: 57 @32690 has 11 MA's), (Start: 62 @32696 has 278 MA's), (78, 32735), (91, 32765), (Start: 106 @32810 has 1 MA's), (125, 32855), (171, 32954), (194, 33014), (208, 33050), (220, 33074), (241, 33119), (242, 33125), (265, 33176), (280, 33215), (281, 33218), (285, 33230), (290, 33245), (316, 33269), (330, 33302), (362, 33383), (391, 33476), (403, 33512), (406, 33521), (409, 33527), (485, 33752),

Gene: KiSi_27 Start: 22512, Stop: 23480, Start Num: 111

Candidate Starts for KiSi_27:

(Start: 111 @22512 has 58 MA's), (181, 22674), (184, 22680), (191, 22701), (192, 22707), (207, 22749), (234, 22794), (250, 22836), (256, 22851), (331, 22959), (364, 23043), (466, 23319),

Gene: Kikipoo_33 Start: 32377, Stop: 33537, Start Num: 62

Candidate Starts for Kikipoo_33:

(Start: 62 @32377 has 278 MA's), (Start: 106 @32488 has 1 MA's), (125, 32533), (171, 32632), (194, 32692), (208, 32728), (220, 32752), (241, 32797), (242, 32803), (265, 32854), (280, 32893), (281, 32896), (285, 32908), (290, 32923), (316, 32947), (330, 32980), (362, 33061), (374, 33106), (391, 33154), (403, 33190), (406, 33199), (409, 33205), (485, 33430),

Gene: KilKor_22 Start: 21561, Stop: 22601, Start Num: 77

Candidate Starts for KilKor_22:

(Start: 77 @21561 has 10 MA's), (153, 21720), (157, 21726), (171, 21768), (197, 21834), (200, 21837), (230, 21897), (248, 21942), (288, 21987), (330, 22068), (358, 22125), (363, 22149), (396, 22254), (413, 22326), (431, 22371),

Gene: Kimbrough_33 Start: 32079, Stop: 33239, Start Num: 62

Candidate Starts for Kimbrough_33:

(Start: 62 @32079 has 278 MA's), (Start: 106 @32190 has 1 MA's), (125, 32235), (171, 32334), (194, 32394), (208, 32430), (220, 32454), (241, 32499), (242, 32505), (265, 32556), (280, 32595), (281, 32598), (285, 32610), (290, 32625), (316, 32649), (330, 32682), (362, 32763), (374, 32808), (391, 32856), (403, 32892), (406, 32901), (409, 32907), (485, 33132),

Gene: KingTut_24 Start: 27748, Stop: 28908, Start Num: 62

Candidate Starts for KingTut_24:

(Start: 62 @27748 has 278 MA's), (Start: 106 @27859 has 1 MA's), (125, 27904), (171, 28003), (194, 28063), (208, 28099), (220, 28123), (241, 28168), (242, 28174), (265, 28225), (280, 28264), (281, 28267), (285, 28279), (290, 28294), (316, 28318), (330, 28351), (362, 28432), (374, 28477), (391, 28525), (403, 28561), (406, 28570), (409, 28576), (485, 28801),

Gene: KingVeVeVe_33 Start: 32352, Stop: 33512, Start Num: 62

Candidate Starts for KingVeVeVe_33:

(Start: 62 @32352 has 278 MA's), (Start: 106 @32463 has 1 MA's), (125, 32508), (171, 32607), (194, 32667), (208, 32703), (220, 32727), (241, 32772), (242, 32778), (265, 32829), (280, 32868), (281, 32871), (285, 32883), (290, 32898), (316, 32922), (330, 32955), (362, 33036), (374, 33081), (391, 33129), (403, 33165), (406, 33174), (409, 33180), (485, 33405),

Gene: Kingsolomon_22 Start: 22247, Stop: 23464, Start Num: 64

Candidate Starts for Kingsolomon_22:

(Start: 64 @22247 has 31 MA's), (105, 22349), (Start: 111 @22361 has 58 MA's), (118, 22379), (121, 22388), (139, 22427), (Start: 160 @22463 has 3 MA's), (166, 22478), (168, 22484), (181, 22514), (183, 22517), (193, 22553), (199, 22565), (219, 22616), (221, 22619), (249, 22679), (259, 22706), (266, 22721), (268, 22727), (273, 22739), (299, 22799), (321, 22823), (340, 22883), (363, 22979), (370, 23012), (394, 23084), (403, 23108), (479, 23336), (484, 23348),

Gene: KlimbOn_33 Start: 32365, Stop: 33525, Start Num: 62

Candidate Starts for KlimbOn_33:

(Start: 62 @32365 has 278 MA's), (Start: 106 @32476 has 1 MA's), (125, 32521), (171, 32620), (194, 32680), (208, 32716), (220, 32740), (241, 32785), (242, 32791), (265, 32842), (280, 32881), (281, 32884), (285, 32896), (290, 32911), (316, 32935), (330, 32968), (362, 33049), (374, 33094), (391, 33142), (403, 33178), (406, 33187), (409, 33193), (485, 33418),

Gene: Kloppinator_33 Start: 32388, Stop: 33548, Start Num: 62

Candidate Starts for Kloppinator_33:

(Start: 62 @32388 has 278 MA's), (Start: 106 @32499 has 1 MA's), (125, 32544), (171, 32643), (194, 32703), (208, 32739), (220, 32763), (241, 32808), (242, 32814), (265, 32865), (280, 32904), (281, 32907), (285, 32919), (316, 32958), (330, 32991), (362, 33072), (374, 33117), (391, 33165), (403, 33201), (406, 33210), (409, 33216), (485, 33441),

Gene: Knocker_33 Start: 33872, Stop: 35014, Start Num: 58

Candidate Starts for Knocker_33:

(Start: 58 @33872 has 8 MA's), (Start: 106 @33989 has 1 MA's), (118, 34016), (121, 34025), (130, 34049), (142, 34070), (151, 34079), (Start: 160 @34103 has 3 MA's), (166, 34118), (167, 34121), (169, 34127), (190, 34178), (192, 34187), (199, 34205), (203, 34217), (204, 34220), (211, 34241), (238, 34292), (244, 34307), (249, 34319), (258, 34343), (262, 34352), (273, 34379), (275, 34385), (311, 34445), (318, 34457), (330, 34487), (341, 34499), (363, 34574), (388, 34658), (392, 34670), (402, 34700), (409, 34718), (435, 34799), (446, 34826), (447, 34829), (451, 34838),

Gene: Koella_19 Start: 20229, Stop: 21383, Start Num: 66

Candidate Starts for Koella_19:

(Start: 60 @20226 has 3 MA's), (Start: 66 @20229 has 84 MA's), (95, 20310), (Start: 113 @20358 has 1 MA's), (134, 20418), (140, 20427), (148, 20442), (161, 20466), (170, 20490), (174, 20502), (202, 20577), (205, 20586), (214, 20610), (225, 20640), (284, 20724), (285, 20727), (293, 20748), (362, 20907), (388, 20997), (391, 21006), (401, 21036), (409, 21057), (502, 21360),

Gene: Kratio_26 Start: 23714, Stop: 24778, Start Num: 81

Candidate Starts for Kratio_26:

(Start: 81 @23714 has 84 MA's), (119, 23804), (131, 23834), (162, 23894), (182, 23942), (196, 23981), (203, 23999), (245, 24083), (288, 24131), (296, 24149), (335, 24224), (363, 24290), (389, 24380), (390, 24383), (391, 24386), (402, 24419), (426, 24518), (427, 24521), (467, 24605), (472, 24617), (498, 24734),

Gene: Kronus_32 Start: 32802, Stop: 34004, Start Num: 66

Candidate Starts for Kronus_32:

(Start: 66 @32802 has 84 MA's), (Start: 77 @32835 has 10 MA's), (135, 32979), (141, 32988), (148, 32997), (166, 33036), (169, 33045), (176, 33063), (185, 33081), (191, 33099), (192, 33105), (196, 33117), (203, 33135), (208, 33150), (225, 33183), (238, 33210), (256, 33255), (287, 33336), (298, 33363), (317, 33381), (324, 33399), (339, 33441), (344, 33465), (364, 33540), (368, 33570), (391, 33630), (394, 33642), (401, 33660), (424, 33759), (425, 33762), (471, 33867), (476, 33873), (479, 33891), (501, 33978),

Gene: Krueger_28 Start: 22638, Stop: 23633, Start Num: 111

Candidate Starts for Krueger_28:

(68, 22548), (Start: 111 @22638 has 58 MA's), (158, 22737), (Start: 160 @22743 has 3 MA's), (217, 22893), (256, 22974), (269, 22998), (362, 23160), (363, 23163), (388, 23247), (403, 23292), (496, 23571), (499, 23592), (502, 23610),

Gene: Krypton555_22 Start: 22170, Stop: 23369, Start Num: 64

Candidate Starts for Krypton555_22:

(Start: 64 @22170 has 31 MA's), (105, 22272), (Start: 111 @22284 has 58 MA's), (118, 22302), (139, 22350), (164, 22395), (166, 22401), (181, 22437), (193, 22476), (196, 22482), (199, 22488), (215, 22530), (249, 22602), (268, 22650), (273, 22662), (275, 22668), (340, 22806), (352, 22851), (362, 22899), (370, 22935), (389, 22989), (394, 23007), (402, 23028), (450, 23178), (460, 23199), (493, 23307),

Gene: Ksquared_22 Start: 21321, Stop: 22358, Start Num: 81

Candidate Starts for Ksquared_22:

(71, 21297), (Start: 79 @21318 has 6 MA's), (Start: 81 @21321 has 84 MA's), (90, 21345), (157, 21483), (171, 21525), (200, 21594), (230, 21654), (248, 21699), (288, 21744), (330, 21825), (358, 21882), (363, 21906), (396, 22011), (413, 22083), (431, 22128), (495, 22293),

Gene: Kwadwo_32 Start: 32069, Stop: 33229, Start Num: 62

Candidate Starts for Kwadwo_32:

(Start: 62 @32069 has 278 MA's), (Start: 106 @32180 has 1 MA's), (125, 32225), (171, 32324), (194, 32384), (208, 32420), (220, 32444), (241, 32489), (242, 32495), (265, 32546), (280, 32585), (281, 32588), (285, 32600), (290, 32615), (316, 32639), (330, 32672), (362, 32753), (374, 32798), (391, 32846), (403, 32882), (406, 32891), (409, 32897), (485, 33122),

Gene: Kwksand96_32 Start: 31938, Stop: 33098, Start Num: 62

Candidate Starts for Kwksand96_32:

(Start: 62 @31938 has 278 MA's), (Start: 106 @32049 has 1 MA's), (125, 32094), (171, 32193), (194, 32253), (208, 32289), (220, 32313), (241, 32358), (242, 32364), (265, 32415), (280, 32454), (281, 32457), (285, 32469), (290, 32484), (316, 32508), (330, 32541), (362, 32622), (374, 32667), (391, 32715), (403, 32751), (406, 32760), (409, 32766), (485, 32991),

Gene: Labelle_37 Start: 32043, Stop: 33083, Start Num: 85

Candidate Starts for Labelle_37:

(Start: 85 @32043 has 3 MA's), (117, 32121), (156, 32199), (250, 32412), (253, 32418), (308, 32496), (358, 32589), (364, 32616),

Gene: Labeouficaum_32 Start: 31933, Stop: 33093, Start Num: 62

Candidate Starts for Labeouficaum_32:

(Start: 62 @31933 has 278 MA's), (Start: 106 @32044 has 1 MA's), (125, 32089), (171, 32188), (194, 32248), (208, 32284), (220, 32308), (241, 32353), (242, 32359), (265, 32410), (280, 32449), (281, 32452), (285, 32464), (290, 32479), (316, 32503), (330, 32536), (362, 32617), (374, 32662), (391, 32710), (403, 32746), (406, 32755), (409, 32761), (485, 32986),

Gene: Langerak_22 Start: 21280, Stop: 22320, Start Num: 79

Candidate Starts for Langerak_22:

(71, 21259), (Start: 79 @21280 has 6 MA's), (Start: 81 @21283 has 84 MA's), (90, 21307), (157, 21445), (171, 21487), (200, 21556), (230, 21616), (248, 21661), (288, 21706), (330, 21787), (358, 21844), (363, 21868), (396, 21973), (413, 22045), (431, 22090), (495, 22255),

Gene: Lars_33 Start: 32801, Stop: 33964, Start Num: 62

Candidate Starts for Lars_33:

(29, 32654), (Start: 57 @32795 has 11 MA's), (Start: 62 @32801 has 278 MA's), (78, 32840), (91, 32870), (Start: 106 @32915 has 1 MA's), (125, 32960), (171, 33059), (194, 33119), (208, 33155), (220, 33179), (241, 33224), (242, 33230), (265, 33281), (280, 33320), (281, 33323), (285, 33335), (290, 33350), (316, 33374), (330, 33407), (362, 33488), (391, 33581), (403, 33617), (406, 33626), (409, 33632), (420, 33692), (485, 33857),

Gene: Larva_28 Start: 23878, Stop: 24942, Start Num: 81

Candidate Starts for Larva_28:

(Start: 81 @23878 has 84 MA's), (119, 23968), (131, 23998), (Start: 160 @24052 has 3 MA's), (162, 24058), (182, 24106), (196, 24145), (203, 24163), (204, 24166), (245, 24247), (288, 24295), (296, 24313), (363, 24454), (389, 24544), (390, 24547), (391, 24550), (402, 24583), (406, 24595), (426, 24682), (427, 24685), (472, 24781), (498, 24898),

Gene: LasagnaCat_33 Start: 32371, Stop: 33531, Start Num: 62

Candidate Starts for LasagnaCat_33:

(Start: 62 @32371 has 278 MA's), (Start: 106 @32482 has 1 MA's), (125, 32527), (171, 32626), (194, 32686), (208, 32722), (220, 32746), (241, 32791), (242, 32797), (265, 32848), (280, 32887), (281, 32890), (285, 32902), (316, 32941), (330, 32974), (362, 33055), (391, 33148), (403, 33184), (406, 33193), (409, 33199), (485, 33424),

Gene: Lasso_33 Start: 32344, Stop: 33504, Start Num: 62

Candidate Starts for Lasso_33:

(Start: 62 @32344 has 278 MA's), (Start: 106 @32455 has 1 MA's), (125, 32500), (171, 32599), (194, 32659), (208, 32695), (220, 32719), (241, 32764), (242, 32770), (265, 32821), (280, 32860), (281, 32863), (285, 32875), (290, 32890), (316, 32914), (330, 32947), (362, 33028), (374, 33073), (391, 33121), (403, 33157), (406, 33166), (409, 33172), (485, 33397),

Gene: LastHope_28 Start: 22491, Stop: 23498, Start Num: 111

Candidate Starts for LastHope_28:

(Start: 111 @22491 has 58 MA's), (202, 22710), (210, 22731), (239, 22785), (256, 22827), (285, 22887), (331, 22935), (355, 22983), (362, 23013), (391, 23109), (396, 23121), (409, 23160), (466, 23331), (471, 23343),

Gene: LastJedi_19 Start: 20260, Stop: 21414, Start Num: 66

Candidate Starts for LastJedi_19:

(Start: 60 @20257 has 3 MA's), (Start: 66 @20260 has 84 MA's), (95, 20341), (Start: 113 @20389 has 1 MA's), (134, 20449), (140, 20458), (148, 20473), (161, 20497), (170, 20521), (174, 20533), (202, 20608), (205, 20617), (214, 20641), (225, 20671), (284, 20755), (285, 20758), (293, 20779), (362, 20938), (388, 21028), (391, 21037), (401, 21067), (409, 21088), (502, 21391),

Gene: LaterM_28 Start: 23256, Stop: 24269, Start Num: 110

Candidate Starts for LaterM_28:

(Start: 110 @23256 has 87 MA's), (Start: 160 @23367 has 3 MA's), (202, 23481), (256, 23598), (276, 23640), (283, 23652), (331, 23706), (362, 23784), (391, 23880), (396, 23892), (409, 23931), (426, 24012), (443, 24045), (471, 24114), (497, 24210),

Gene: Laurie_33 Start: 32132, Stop: 33340, Start Num: 62

Candidate Starts for Laurie_33:

(Start: 57 @32129 has 11 MA's), (Start: 62 @32132 has 278 MA's), (90, 32201), (118, 32270), (128, 32300), (135, 32312), (139, 32318), (141, 32321), (148, 32330), (166, 32369), (169, 32378), (172, 32390), (194, 32447), (199, 32456), (203, 32468), (205, 32474), (208, 32483), (232, 32528), (238, 32543), (256, 32588), (283, 32657), (288, 32672), (293, 32684), (312, 32708), (335, 32756), (337, 32762), (339, 32774), (344, 32798), (364, 32873), (368, 32903), (391, 32963), (394, 32975), (401, 32993), (424, 33092), (425, 33095), (471, 33200), (476, 33206), (489, 33272), (491, 33275),

Gene: LeBron_21 Start: 21711, Stop: 22886, Start Num: 61

Candidate Starts for LeBron_21:

(Start: 61 @21711 has 5 MA's), (Start: 64 @21714 has 31 MA's), (Start: 116 @21840 has 2 MA's), (133, 21882), (139, 21894), (142, 21897), (Start: 160 @21930 has 3 MA's), (165, 21942), (185, 21990), (191, 22008), (203, 22044), (208, 22059), (236, 22110), (246, 22140), (264, 22182), (277, 22206), (310, 22242), (314, 22248), (327, 22275), (340, 22293), (364, 22386), (365, 22389), (389, 22473), (428, 22611), (440, 22629), (471, 22713),

Gene: LeMond_27 Start: 22583, Stop: 23551, Start Num: 111

Candidate Starts for LeMond_27:

(Start: 111 @22583 has 58 MA's), (170, 22718), (181, 22745), (184, 22751), (191, 22772), (192, 22778), (207, 22820), (234, 22865), (250, 22907), (256, 22922), (331, 23030), (364, 23114), (466, 23390),

Gene: LeeLot_33 Start: 32375, Stop: 33535, Start Num: 62

Candidate Starts for LeeLot_33:

(Start: 62 @32375 has 278 MA's), (Start: 106 @32486 has 1 MA's), (125, 32531), (171, 32630), (194, 32690), (208, 32726), (220, 32750), (241, 32795), (242, 32801), (265, 32852), (280, 32891), (281, 32894), (285, 32906), (316, 32945), (330, 32978), (362, 33059), (374, 33104), (391, 33152), (403, 33188), (406, 33197), (409, 33203), (485, 33428),

Gene: Lego3393_33 Start: 32380, Stop: 33540, Start Num: 62

Candidate Starts for Lego3393_33:

(Start: 62 @32380 has 278 MA's), (Start: 106 @32491 has 1 MA's), (125, 32536), (171, 32635), (194, 32695), (208, 32731), (220, 32755), (241, 32800), (242, 32806), (265, 32857), (280, 32896), (281, 32899), (285, 32911), (290, 32926), (316, 32950), (330, 32983), (362, 33064), (374, 33109), (391, 33157), (403, 33193), (406, 33202), (409, 33208), (485, 33433),

Gene: Legolas_32 Start: 32085, Stop: 33245, Start Num: 62

Candidate Starts for Legolas_32:

(Start: 62 @32085 has 278 MA's), (Start: 106 @32196 has 1 MA's), (125, 32241), (171, 32340), (194, 32400), (208, 32436), (220, 32460), (241, 32505), (242, 32511), (265, 32562), (280, 32601), (281, 32604), (285, 32616), (316, 32655), (330, 32688), (362, 32769), (374, 32814), (391, 32862), (403, 32898), (406, 32907), (409, 32913), (485, 33138),

Gene: LeiMonet_33 Start: 32076, Stop: 33236, Start Num: 62

Candidate Starts for LeiMonet_33:

(Start: 62 @32076 has 278 MA's), (Start: 106 @32187 has 1 MA's), (125, 32232), (171, 32331), (194, 32391), (208, 32427), (220, 32451), (241, 32496), (242, 32502), (265, 32553), (280, 32592), (281, 32595), (285, 32607), (290, 32622), (316, 32646), (330, 32679), (362, 32760), (374, 32805), (391, 32853), (403, 32889), (406, 32898), (409, 32904), (485, 33129),

Gene: LemonSlice_33 Start: 32072, Stop: 33232, Start Num: 62

Candidate Starts for LemonSlice_33:

(Start: 62 @32072 has 278 MA's), (Start: 106 @32183 has 1 MA's), (125, 32228), (171, 32327), (194, 32387), (208, 32423), (220, 32447), (241, 32492), (242, 32498), (265, 32549), (280, 32588), (281, 32591), (285, 32603), (290, 32618), (316, 32642), (330, 32675), (362, 32756), (374, 32801), (391, 32849), (403, 32885), (406, 32894), (409, 32900), (485, 33125),

Gene: Leopard_42 Start: 33163, Stop: 34302, Start Num: 84

Candidate Starts for Leopard_42:

(Start: 83 @33160 has 1 MA's), (Start: 84 @33163 has 3 MA's), (92, 33184), (103, 33220), (153, 33334), (155, 33337), (175, 33391), (186, 33418), (226, 33523), (233, 33532), (261, 33604), (282, 33655), (285, 33664), (293, 33685), (323, 33721), (390, 33907), (404, 33949), (405, 33952), (411, 33976), (424, 34042),

Gene: Lephleur_33 Start: 32688, Stop: 33857, Start Num: 57

Candidate Starts for Lephleur_33:

(29, 32547), (Start: 57 @32688 has 11 MA's), (Start: 62 @32694 has 278 MA's), (78, 32733), (91, 32763), (Start: 106 @32808 has 1 MA's), (125, 32853), (171, 32952), (194, 33012), (208, 33048), (220, 33072), (241, 33117), (242, 33123), (265, 33174), (280, 33213), (281, 33216), (285, 33228), (290, 33243), (316, 33267), (330, 33300), (362, 33381), (391, 33474), (403, 33510), (406, 33519), (409, 33525), (485, 33750),

Gene: Leston_27 Start: 24063, Stop: 25130, Start Num: 81

Candidate Starts for Leston_27:

(Start: 81 @24063 has 84 MA's), (129, 24180), (Start: 160 @24237 has 3 MA's), (180, 24285), (182, 24291), (203, 24348), (204, 24351), (210, 24366), (230, 24393), (245, 24432), (248, 24435), (253, 24447), (254, 24450), (255, 24453), (284, 24468), (303, 24513), (306, 24519), (335, 24573), (358, 24621), (365, 24651), (384, 24696), (415, 24825), (429, 24879),

Gene: LestyG_33 Start: 32223, Stop: 33425, Start Num: 66

Candidate Starts for LestyG_33:

(Start: 66 @32223 has 84 MA's), (Start: 77 @32256 has 10 MA's), (135, 32400), (141, 32409), (148, 32418), (166, 32457), (169, 32466), (176, 32484), (185, 32502), (191, 32520), (192, 32526), (196, 32538), (203, 32556), (208, 32571), (225, 32604), (238, 32631), (256, 32676), (287, 32757), (298, 32784), (317, 32802), (324, 32820), (339, 32862), (344, 32886), (364, 32961), (368, 32991), (391, 33051), (394, 33063), (401, 33081), (425, 33183), (471, 33288), (476, 33294), (479, 33312), (501, 33399),

Gene: LilMcDreamy_28 Start: 31675, Stop: 32907, Start Num: 66

Candidate Starts for LilMcDreamy_28:

(2, 30913), (3, 30922), (4, 31042), (9, 31252), (Start: 66 @31675 has 84 MA's), (78, 31714), (Start: 81 @31720 has 84 MA's), (Start: 106 @31792 has 1 MA's), (158, 31897), (166, 31918), (190, 31978), (209, 32035), (230, 32077), (240, 32101), (264, 32158), (280, 32200), (288, 32224), (297, 32251), (328, 32329), (362, 32464), (364, 32470), (404, 32593), (420, 32653), (425, 32671), (444, 32707), (447, 32713), (462, 32737), (471, 32761),

Gene: LilPharaoh_24 Start: 22900, Stop: 23907, Start Num: 111

Candidate Starts for LilPharaoh_24:

(93, 22849), (97, 22861), (Start: 111 @22900 has 58 MA's), (136, 22960), (170, 23032), (191, 23086), (197, 23107), (256, 23236), (279, 23281), (281, 23284), (329, 23341), (331, 23344), (354, 23389), (363, 23425), (391, 23521), (396, 23533), (430, 23653), (480, 23785),

Gene: LilhomieP_30 Start: 26992, Stop: 28047, Start Num: 81

Candidate Starts for LilhomieP_30:

(Start: 81 @26992 has 84 MA's), (176, 27205), (191, 27241), (217, 27304), (254, 27376), (288, 27406), (298, 27427), (317, 27463), (335, 27499), (358, 27547), (362, 27568), (364, 27574), (369, 27604), (371, 27607), (388, 27655), (451, 27844), (461, 27865), (478, 27919),

Gene: LindNT_28 Start: 23290, Stop: 24303, Start Num: 110

Candidate Starts for LindNT_28:

(87, 23245), (Start: 110 @23290 has 87 MA's), (Start: 160 @23401 has 3 MA's), (202, 23515), (256, 23632), (276, 23674), (283, 23686), (331, 23740), (362, 23818), (387, 23902), (391, 23914), (396, 23926), (409, 23965), (497, 24244),

Gene: LizLemon_33 Start: 32810, Stop: 33973, Start Num: 62

Candidate Starts for LizLemon_33:

(29, 32663), (Start: 57 @32804 has 11 MA's), (Start: 62 @32810 has 278 MA's), (78, 32849), (91, 32879), (Start: 106 @32924 has 1 MA's), (125, 32969), (171, 33068), (194, 33128), (208, 33164), (220, 33188), (241, 33233), (242, 33239), (265, 33290), (280, 33329), (281, 33332), (285, 33344), (290, 33359), (316, 33383), (330, 33416), (362, 33497), (374, 33542), (391, 33590), (403, 33626), (406, 33635), (409, 33641), (485, 33866),

Gene: Llorens_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Llorens_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: Lolalove_30 Start: 32616, Stop: 33773, Start Num: 66

Candidate Starts for Lolalove_30:

(Start: 66 @32616 has 84 MA's), (102, 32709), (Start: 106 @32724 has 1 MA's), (114, 32739), (118, 32751), (125, 32769), (190, 32910), (192, 32919), (199, 32937), (208, 32964), (221, 32979), (225, 32985), (227, 32991), (232, 32997), (244, 33024), (249, 33033), (267, 33066), (284, 33099), (317, 33153), (320, 33159), (332, 33189), (339, 33195), (343, 33216), (351, 33240), (363, 33294), (364, 33297), (409, 33441), (459, 33594),

Gene: Lolly9_22 Start: 22045, Stop: 23244, Start Num: 64

Candidate Starts for Lolly9_22:

(Start: 64 @22045 has 31 MA's), (74, 22072), (Start: 111 @22159 has 58 MA's), (118, 22177), (121, 22186), (139, 22225), (166, 22276), (167, 22279), (185, 22321), (193, 22351), (196, 22357), (199, 22363), (215, 22405), (268, 22525), (273, 22537), (275, 22543), (340, 22681), (362, 22774), (370, 22810), (389, 22864), (394, 22882), (460, 23074), (493, 23182),

Gene: Longacauda_32 Start: 32077, Stop: 33237, Start Num: 62

Candidate Starts for Longacauda_32:

(Start: 62 @32077 has 278 MA's), (Start: 106 @32188 has 1 MA's), (125, 32233), (171, 32332), (194, 32392), (208, 32428), (220, 32452), (241, 32497), (242, 32503), (265, 32554), (280, 32593), (281, 32596), (285, 32608), (290, 32623), (316, 32647), (330, 32680), (362, 32761), (374, 32806), (391, 32854), (403, 32890), (406, 32899), (409, 32905), (485, 33130),

Gene: Lopsy_32 Start: 31927, Stop: 33087, Start Num: 62

Candidate Starts for Lopsy_32:

(Start: 62 @31927 has 278 MA's), (Start: 106 @32038 has 1 MA's), (125, 32083), (171, 32182), (194, 32242), (208, 32278), (220, 32302), (241, 32347), (242, 32353), (265, 32404), (280, 32443), (281, 32446), (285, 32458), (316, 32497), (330, 32530), (362, 32611), (374, 32656), (391, 32704), (403, 32740), (406, 32749), (409, 32755), (485, 32980),

Gene: LostAndPhound_32 Start: 32078, Stop: 33238, Start Num: 62

Candidate Starts for LostAndPhound_32:

(Start: 62 @32078 has 278 MA's), (Start: 106 @32189 has 1 MA's), (125, 32234), (171, 32333), (194, 32393), (208, 32429), (220, 32453), (241, 32498), (242, 32504), (265, 32555), (280, 32594), (281, 32597), (285, 32609), (316, 32648), (330, 32681), (362, 32762), (391, 32855), (403, 32891), (406, 32900), (409, 32906), (485, 33131),

Gene: LuckyMarjie_32 Start: 32087, Stop: 33247, Start Num: 62

Candidate Starts for LuckyMarjie_32:

(Start: 62 @32087 has 278 MA's), (Start: 106 @32198 has 1 MA's), (125, 32243), (171, 32342), (194, 32402), (208, 32438), (220, 32462), (241, 32507), (242, 32513), (265, 32564), (280, 32603), (281, 32606), (285, 32618), (290, 32633), (316, 32657), (330, 32690), (362, 32771), (374, 32816), (391,

32864), (403, 32900), (406, 32909), (409, 32915), (485, 33140),

Gene: Lulumae_32 Start: 32069, Stop: 33229, Start Num: 62

Candidate Starts for Lulumae_32:

(Start: 62 @32069 has 278 MA's), (Start: 106 @32180 has 1 MA's), (125, 32225), (171, 32324), (194, 32384), (208, 32420), (220, 32444), (241, 32489), (242, 32495), (265, 32546), (280, 32585), (281, 32588), (285, 32600), (290, 32615), (316, 32639), (330, 32672), (362, 32753), (374, 32798), (391, 32846), (403, 32882), (406, 32891), (409, 32897), (485, 33122),

Gene: Lulwa_33 Start: 32356, Stop: 33516, Start Num: 62

Candidate Starts for Lulwa_33:

(Start: 62 @32356 has 278 MA's), (Start: 106 @32467 has 1 MA's), (125, 32512), (171, 32611), (194, 32671), (208, 32707), (220, 32731), (241, 32776), (242, 32782), (265, 32833), (280, 32872), (281, 32875), (285, 32887), (290, 32902), (316, 32926), (330, 32959), (362, 33040), (374, 33085), (391, 33133), (403, 33169), (406, 33178), (409, 33184), (485, 33409),

Gene: Lumine_32 Start: 32065, Stop: 33225, Start Num: 62

Candidate Starts for Lumine_32:

(Start: 62 @32065 has 278 MA's), (Start: 106 @32176 has 1 MA's), (125, 32221), (171, 32320), (194, 32380), (208, 32416), (220, 32440), (241, 32485), (242, 32491), (265, 32542), (280, 32581), (281, 32584), (285, 32596), (290, 32611), (316, 32635), (330, 32668), (362, 32749), (374, 32794), (391, 32842), (403, 32878), (406, 32887), (409, 32893), (485, 33118),

Gene: Lumos_22 Start: 22244, Stop: 23461, Start Num: 64

Candidate Starts for Lumos_22:

(Start: 64 @22244 has 31 MA's), (105, 22346), (Start: 111 @22358 has 58 MA's), (118, 22376), (121, 22385), (139, 22424), (Start: 160 @22460 has 3 MA's), (166, 22475), (168, 22481), (181, 22511), (183, 22514), (193, 22550), (199, 22562), (219, 22613), (221, 22616), (249, 22676), (259, 22703), (266, 22718), (268, 22724), (273, 22736), (299, 22796), (321, 22820), (340, 22880), (363, 22976), (370, 23009), (394, 23081), (403, 23105), (479, 23333), (484, 23345),

Gene: Lunahalos_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Lunahalos_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: MAckerman_21 Start: 21688, Stop: 22860, Start Num: 64

Candidate Starts for MAckerman_21:

(Start: 61 @21685 has 5 MA's), (Start: 64 @21688 has 31 MA's), (Start: 116 @21814 has 2 MA's), (133, 21856), (139, 21868), (142, 21871), (Start: 160 @21904 has 3 MA's), (165, 21916), (185, 21964), (191, 21982), (203, 22018), (208, 22033), (236, 22084), (246, 22114), (264, 22156), (277, 22180), (310, 22216), (314, 22222), (327, 22249), (340, 22267), (364, 22360), (365, 22363), (389, 22447), (428, 22585), (440, 22603), (471, 22687),

Gene: MRabcd_32 Start: 32069, Stop: 33229, Start Num: 62

Candidate Starts for MRabcd_32:

(Start: 62 @32069 has 278 MA's), (Start: 106 @32180 has 1 MA's), (125, 32225), (171, 32324), (194, 32384), (208, 32420), (220, 32444), (241, 32489), (242, 32495), (265, 32546), (280, 32585), (281, 32588), (285, 32600), (290, 32615), (316, 32639), (330, 32672), (362, 32753), (374, 32798), (391, 32846), (403, 32882), (406, 32891), (409, 32897), (485, 33122),

Gene: MacnCheese_29 Start: 24319, Stop: 25308, Start Num: 111

Candidate Starts for MacnCheese_29:

(68, 24199), (88, 24256), (Start: 111 @24319 has 58 MA's), (123, 24352), (170, 24448), (171, 24454), (200, 24526), (269, 24676), (280, 24697), (289, 24724), (363, 24841), (387, 24919), (391, 24931), (392, 24934), (488, 25231),

Gene: Maco6_23 Start: 20985, Stop: 22013, Start Num: 77

Candidate Starts for Maco6_23:

(Start: 77 @20985 has 10 MA's), (117, 21075), (156, 21144), (159, 21153), (191, 21231), (217, 21294), (218, 21297), (308, 21441), (330, 21477), (358, 21528), (369, 21585), (452, 21825), (497, 21951),

Gene: Madruga_36 Start: 31712, Stop: 32752, Start Num: 85

Candidate Starts for Madruga_36:

(Start: 85 @31712 has 3 MA's), (117, 31790), (156, 31868), (250, 32081), (253, 32087), (308, 32165), (358, 32258), (364, 32285),

Gene: Mag7_32 Start: 31975, Stop: 33135, Start Num: 62

Candidate Starts for Mag7_32:

(Start: 62 @31975 has 278 MA's), (Start: 106 @32086 has 1 MA's), (125, 32131), (171, 32230), (194, 32290), (208, 32326), (220, 32350), (241, 32395), (242, 32401), (265, 32452), (280, 32491), (281, 32494), (285, 32506), (316, 32545), (330, 32578), (362, 32659), (391, 32752), (403, 32788), (406, 32797), (409, 32803), (485, 33028),

Gene: Magic8_33 Start: 32410, Stop: 33570, Start Num: 62

Candidate Starts for Magic8_33:

(Start: 62 @32410 has 278 MA's), (Start: 106 @32521 has 1 MA's), (125, 32566), (171, 32665), (194, 32725), (208, 32761), (220, 32785), (241, 32830), (242, 32836), (265, 32887), (280, 32926), (281, 32929), (285, 32941), (290, 32956), (316, 32980), (330, 33013), (362, 33094), (374, 33139), (391, 33187), (403, 33223), (406, 33232), (409, 33238), (485, 33463),

Gene: Magpie_29 Start: 32448, Stop: 33605, Start Num: 66

Candidate Starts for Magpie_29:

(Start: 66 @32448 has 84 MA's), (102, 32541), (Start: 106 @32556 has 1 MA's), (114, 32571), (118, 32583), (125, 32601), (169, 32691), (190, 32742), (192, 32751), (193, 32757), (199, 32769), (208, 32796), (221, 32811), (225, 32817), (227, 32823), (244, 32856), (249, 32865), (267, 32898), (284, 32931), (332, 33021), (339, 33027), (363, 33126), (364, 33129), (409, 33273), (459, 33426),

Gene: Majeke_22 Start: 21305, Stop: 22342, Start Num: 81

Candidate Starts for Majeke_22:

(71, 21281), (Start: 79 @21302 has 6 MA's), (Start: 81 @21305 has 84 MA's), (90, 21329), (157, 21467), (171, 21509), (200, 21578), (230, 21638), (248, 21683), (288, 21728), (330, 21809), (358, 21866), (363, 21890), (396, 21995), (413, 22067), (431, 22112), (495, 22277),

Gene: MalagasyRose_28 Start: 22698, Stop: 23777, Start Num: 81

Candidate Starts for MalagasyRose_28:

(Start: 81 @22698 has 84 MA's), (89, 22719), (127, 22812), (152, 22854), (153, 22857), (Start: 160 @22872 has 3 MA's), (182, 22926), (191, 22947), (196, 22965), (230, 23028), (239, 23049), (255, 23088), (288, 23115), (296, 23133), (335, 23211), (349, 23229), (409, 23424), (420, 23484), (473, 23607),

Gene: Malithi_22 Start: 21221, Stop: 22261, Start Num: 79

Candidate Starts for Malithi_22:

(71, 21200), (Start: 79 @21221 has 6 MA's), (Start: 81 @21224 has 84 MA's), (90, 21248), (157, 21386), (171, 21428), (200, 21497), (230, 21557), (248, 21602), (288, 21647), (330, 21728), (358, 21785), (363, 21809), (396, 21914), (413, 21986), (431, 22031), (495, 22196),

Gene: Malthus_30 Start: 24509, Stop: 25513, Start Num: 111

Candidate Starts for Malthus_30:

(Start: 111 @24509 has 58 MA's), (138, 24578), (185, 24677), (201, 24722), (202, 24728), (230, 24782), (235, 24791), (248, 24827), (269, 24872), (278, 24893), (282, 24899), (283, 24902), (362, 25034), (363, 25037), (401, 25160), (409, 25181), (466, 25352), (494, 25448),

Gene: Mana_32 Start: 32084, Stop: 33244, Start Num: 62

Candidate Starts for Mana_32:

(Start: 62 @32084 has 278 MA's), (Start: 106 @32195 has 1 MA's), (125, 32240), (171, 32339), (194, 32399), (208, 32435), (220, 32459), (241, 32504), (242, 32510), (265, 32561), (280, 32600), (281, 32603), (285, 32615), (290, 32630), (316, 32654), (330, 32687), (362, 32768), (374, 32813), (391, 32861), (403, 32897), (406, 32906), (409, 32912), (485, 33137),

Gene: Manad_32 Start: 31926, Stop: 33086, Start Num: 62

Candidate Starts for Manad_32:

(Start: 62 @31926 has 278 MA's), (Start: 106 @32037 has 1 MA's), (125, 32082), (171, 32181), (194, 32241), (208, 32277), (220, 32301), (241, 32346), (242, 32352), (265, 32403), (280, 32442), (281, 32445), (285, 32457), (316, 32496), (330, 32529), (362, 32610), (374, 32655), (391, 32703), (403, 32739), (406, 32748), (409, 32754), (485, 32979),

Gene: Mangethe_22 Start: 21305, Stop: 22342, Start Num: 81

Candidate Starts for Mangethe_22:

(71, 21281), (Start: 79 @21302 has 6 MA's), (Start: 81 @21305 has 84 MA's), (90, 21329), (157, 21467), (171, 21509), (200, 21578), (230, 21638), (248, 21683), (288, 21728), (330, 21809), (358, 21866), (363, 21890), (396, 21995), (413, 22067), (431, 22112), (495, 22277),

Gene: Mao1_27 Start: 28750, Stop: 29910, Start Num: 62

Candidate Starts for Mao1_27:

(Start: 62 @28750 has 278 MA's), (76, 28786), (91, 28819), (Start: 106 @28864 has 1 MA's), (125, 28909), (126, 28912), (208, 29104), (220, 29128), (224, 29134), (242, 29179), (244, 29182), (265, 29230), (288, 29293), (289, 29296), (319, 29329), (355, 29404), (362, 29434), (401, 29557), (404, 29566), (406, 29572), (504, 29893),

Gene: Marcoliusprime_25 Start: 21282, Stop: 22277, Start Num: 111

Candidate Starts for Marcoliusprime_25:

(41, 21099), (68, 21198), (Start: 111 @21282 has 58 MA's), (144, 21363), (158, 21387), (181, 21447), (201, 21501), (202, 21507), (250, 21609), (251, 21612), (275, 21660), (276, 21666), (294, 21708), (331, 21732), (364, 21816), (389, 21900), (409, 21957), (502, 22254),

Gene: MarkPhew_28 Start: 22462, Stop: 23448, Start Num: 111

Candidate Starts for MarkPhew_28:

(Start: 111 @22462 has 58 MA's), (159, 22567), (184, 22630), (191, 22651), (192, 22657), (197, 22672), (207, 22699), (239, 22759), (250, 22786), (300, 22891), (363, 22990), (388, 23074), (401, 23113), (461, 23263), (477, 23317), (482, 23332),

Gene: Marley1013_33 Start: 33001, Stop: 34203, Start Num: 66

Candidate Starts for Marley1013_33:

(Start: 66 @33001 has 84 MA's), (Start: 77 @33034 has 10 MA's), (135, 33178), (141, 33187), (148, 33196), (166, 33235), (169, 33244), (176, 33262), (185, 33280), (191, 33298), (192, 33304), (196,

33316), (203, 33334), (208, 33349), (225, 33382), (238, 33409), (256, 33454), (287, 33535), (298, 33562), (317, 33580), (324, 33598), (339, 33640), (344, 33664), (364, 33739), (368, 33769), (391, 33829), (394, 33841), (401, 33859), (425, 33961), (471, 34066), (476, 34072), (479, 34090), (501, 34177),

Gene: Marshawn_29 Start: 23145, Stop: 24104, Start Num: 111

Candidate Starts for Marshawn_29:

(Start: 111 @23145 has 58 MA's), (122, 23175), (179, 23301), (185, 23316), (197, 23355), (207, 23382), (253, 23475), (256, 23484), (276, 23526), (331, 23592), (362, 23670), (363, 23673), (392, 23766), (427, 23874), (450, 23910),

Gene: Maru_32 Start: 32027, Stop: 33187, Start Num: 62

Candidate Starts for Maru_32:

(Start: 62 @32027 has 278 MA's), (Start: 106 @32138 has 1 MA's), (125, 32183), (171, 32282), (194, 32342), (208, 32378), (220, 32402), (241, 32447), (242, 32453), (265, 32504), (280, 32543), (281, 32546), (285, 32558), (290, 32573), (316, 32597), (330, 32630), (362, 32711), (374, 32756), (391, 32804), (403, 32840), (406, 32849), (409, 32855), (485, 33080),

Gene: Mask_28 Start: 28743, Stop: 29903, Start Num: 62

Candidate Starts for Mask_28:

(Start: 62 @28743 has 278 MA's), (76, 28779), (91, 28812), (Start: 106 @28857 has 1 MA's), (125, 28902), (126, 28905), (208, 29097), (220, 29121), (224, 29127), (239, 29160), (241, 29166), (242, 29172), (244, 29175), (265, 29223), (288, 29286), (289, 29289), (319, 29322), (355, 29397), (362, 29427), (401, 29550), (404, 29559), (406, 29565),

Gene: Maskar_32 Start: 31924, Stop: 33084, Start Num: 62

Candidate Starts for Maskar_32:

(Start: 62 @31924 has 278 MA's), (Start: 106 @32035 has 1 MA's), (125, 32080), (171, 32179), (194, 32239), (208, 32275), (220, 32299), (241, 32344), (242, 32350), (265, 32401), (280, 32440), (281, 32443), (285, 32455), (290, 32470), (316, 32494), (330, 32527), (362, 32608), (374, 32653), (391, 32701), (403, 32737), (406, 32746), (409, 32752), (485, 32977),

Gene: MasterPo_33 Start: 32691, Stop: 33860, Start Num: 57

Candidate Starts for MasterPo_33:

(Start: 57 @32691 has 11 MA's), (Start: 62 @32697 has 278 MA's), (78, 32736), (91, 32766), (Start: 106 @32811 has 1 MA's), (125, 32856), (171, 32955), (194, 33015), (208, 33051), (220, 33075), (241, 33120), (242, 33126), (265, 33177), (280, 33216), (281, 33219), (285, 33231), (290, 33246), (316, 33270), (330, 33303), (362, 33384), (374, 33429), (391, 33477), (403, 33513), (406, 33522), (409, 33528), (485, 33753),

Gene: Matalotodo_32 Start: 32370, Stop: 33530, Start Num: 62

Candidate Starts for Matalotodo_32:

(Start: 62 @32370 has 278 MA's), (Start: 106 @32481 has 1 MA's), (125, 32526), (171, 32625), (194, 32685), (208, 32721), (220, 32745), (241, 32790), (242, 32796), (265, 32847), (280, 32886), (281, 32889), (285, 32901), (290, 32916), (316, 32940), (330, 32973), (362, 33054), (374, 33099), (391, 33147), (403, 33183), (406, 33192), (409, 33198), (485, 33423),

Gene: Mcshane_32 Start: 32067, Stop: 33227, Start Num: 62

Candidate Starts for Mcshane_32:

(Start: 62 @32067 has 278 MA's), (Start: 106 @32178 has 1 MA's), (125, 32223), (171, 32322), (194, 32382), (208, 32418), (220, 32442), (241, 32487), (242, 32493), (265, 32544), (280, 32583), (281, 32586), (285, 32598), (290, 32613), (316, 32637), (330, 32670), (362, 32751), (374, 32796), (391, 32844), (403, 32880), (406, 32889), (409, 32895), (485, 33120),

Gene: Mdavu_24 Start: 22888, Stop: 23895, Start Num: 111

Candidate Starts for Mdavu_24:

(93, 22837), (97, 22849), (Start: 111 @22888 has 58 MA's), (136, 22948), (170, 23020), (191, 23074), (197, 23095), (256, 23224), (279, 23269), (281, 23272), (329, 23329), (331, 23332), (354, 23377), (363, 23413), (391, 23509), (396, 23521), (430, 23641), (480, 23773),

Gene: MeaningOfLife_28 Start: 23292, Stop: 24305, Start Num: 110

Candidate Starts for MeaningOfLife_28:

(11, 22848), (87, 23247), (Start: 110 @23292 has 87 MA's), (Start: 160 @23403 has 3 MA's), (201, 23511), (202, 23517), (256, 23634), (276, 23676), (283, 23688), (331, 23742), (362, 23820), (387, 23904), (391, 23916), (396, 23928), (409, 23967), (443, 24081), (471, 24150),

Gene: Mecca_32 Start: 32070, Stop: 33230, Start Num: 62

Candidate Starts for Mecca_32:

(Start: 62 @32070 has 278 MA's), (Start: 106 @32181 has 1 MA's), (125, 32226), (171, 32325), (194, 32385), (208, 32421), (220, 32445), (241, 32490), (242, 32496), (265, 32547), (280, 32586), (281, 32589), (285, 32601), (290, 32616), (316, 32640), (330, 32673), (362, 32754), (374, 32799), (391, 32847), (403, 32883), (406, 32892), (409, 32898), (485, 33123),

Gene: Megabear_25 Start: 29324, Stop: 30529, Start Num: 62

Candidate Starts for Megabear_25:

(Start: 57 @29321 has 11 MA's), (Start: 62 @29324 has 278 MA's), (90, 29393), (118, 29462), (128, 29492), (135, 29504), (139, 29510), (141, 29513), (148, 29522), (166, 29561), (169, 29570), (172, 29582), (194, 29639), (199, 29648), (203, 29660), (208, 29675), (232, 29720), (238, 29735), (256, 29780), (283, 29849), (293, 29876), (312, 29900), (333, 29945), (339, 29966), (344, 29990), (364, 30065), (368, 30095), (391, 30155), (394, 30167), (401, 30185), (425, 30287), (476, 30398), (479, 30416), (491, 30467), (501, 30503),

Gene: Megamind20_33 Start: 32092, Stop: 33252, Start Num: 62

Candidate Starts for Megamind20_33:

(Start: 62 @32092 has 278 MA's), (Start: 106 @32203 has 1 MA's), (125, 32248), (171, 32347), (194, 32407), (208, 32443), (220, 32467), (241, 32512), (242, 32518), (265, 32569), (280, 32608), (281, 32611), (285, 32623), (290, 32638), (316, 32662), (330, 32695), (362, 32776), (374, 32821), (391, 32869), (403, 32905), (406, 32914), (409, 32920), (485, 33145),

Gene: Megatron_33 Start: 32368, Stop: 33528, Start Num: 62

Candidate Starts for Megatron_33:

(Start: 62 @32368 has 278 MA's), (Start: 106 @32479 has 1 MA's), (125, 32524), (171, 32623), (194, 32683), (208, 32719), (220, 32743), (241, 32788), (242, 32794), (265, 32845), (280, 32884), (281, 32887), (285, 32899), (316, 32938), (330, 32971), (362, 33052), (374, 33097), (391, 33145), (403, 33181), (406, 33190), (409, 33196), (485, 33421),

Gene: Megiddo_22 Start: 21561, Stop: 22601, Start Num: 77

Candidate Starts for Megiddo_22:

(Start: 77 @21561 has 10 MA's), (153, 21720), (157, 21726), (171, 21768), (197, 21834), (200, 21837), (230, 21897), (248, 21942), (288, 21987), (330, 22068), (358, 22125), (363, 22149), (396, 22254), (413, 22326), (431, 22371),

Gene: Megsy_29 Start: 23293, Stop: 24306, Start Num: 110

Candidate Starts for Megsy_29:

(11, 22849), (87, 23248), (Start: 110 @23293 has 87 MA's), (Start: 160 @23404 has 3 MA's), (202, 23518), (256, 23635), (276, 23677), (283, 23689), (331, 23743), (362, 23821), (387, 23905), (391,

23917), (396, 23929), (409, 23968), (497, 24247),

Gene: Melc17_33 Start: 32365, Stop: 33525, Start Num: 62

Candidate Starts for Melc17_33:

(Start: 62 @32365 has 278 MA's), (Start: 106 @32476 has 1 MA's), (125, 32521), (171, 32620), (194, 32680), (208, 32716), (220, 32740), (241, 32785), (242, 32791), (265, 32842), (280, 32881), (281, 32884), (285, 32896), (316, 32935), (330, 32968), (362, 33049), (391, 33142), (403, 33178), (406, 33187), (409, 33193), (485, 33418),

Gene: MelsMeow_32 Start: 31973, Stop: 33133, Start Num: 62

Candidate Starts for MelsMeow_32:

(Start: 62 @31973 has 278 MA's), (Start: 106 @32084 has 1 MA's), (125, 32129), (171, 32228), (194, 32288), (208, 32324), (220, 32348), (241, 32393), (242, 32399), (265, 32450), (280, 32489), (281, 32492), (285, 32504), (290, 32519), (316, 32543), (330, 32576), (362, 32657), (374, 32702), (391, 32750), (403, 32786), (406, 32795), (409, 32801), (485, 33026),

Gene: Mesh1_33 Start: 32382, Stop: 33542, Start Num: 62

Candidate Starts for Mesh1_33:

(Start: 62 @32382 has 278 MA's), (Start: 106 @32493 has 1 MA's), (125, 32538), (171, 32637), (194, 32697), (208, 32733), (220, 32757), (241, 32802), (242, 32808), (265, 32859), (280, 32898), (281, 32901), (285, 32913), (290, 32928), (316, 32952), (330, 32985), (362, 33066), (374, 33111), (391, 33159), (403, 33195), (406, 33204), (409, 33210), (485, 33435),

Gene: MichaelPhcott_32 Start: 31972, Stop: 33132, Start Num: 62

Candidate Starts for MichaelPhcott_32:

(Start: 62 @31972 has 278 MA's), (Start: 106 @32083 has 1 MA's), (125, 32128), (171, 32227), (194, 32287), (208, 32323), (220, 32347), (241, 32392), (242, 32398), (265, 32449), (280, 32488), (281, 32491), (285, 32503), (316, 32542), (330, 32575), (362, 32656), (391, 32749), (403, 32785), (406, 32794), (409, 32800), (485, 33025),

Gene: MichelleMyBell_22 Start: 20029, Stop: 21114, Start Num: 81

Candidate Starts for MichelleMyBell_22:

(52, 19963), (Start: 81 @20029 has 84 MA's), (157, 20191), (200, 20302), (230, 20362), (248, 20407), (330, 20533), (335, 20542), (358, 20590),

Gene: Mikota_33 Start: 32355, Stop: 33515, Start Num: 62

Candidate Starts for Mikota_33:

(Start: 62 @32355 has 278 MA's), (Start: 106 @32466 has 1 MA's), (125, 32511), (171, 32610), (194, 32670), (208, 32706), (220, 32730), (241, 32775), (242, 32781), (265, 32832), (280, 32871), (281, 32874), (285, 32886), (290, 32901), (316, 32925), (330, 32958), (362, 33039), (374, 33084), (391, 33132), (403, 33168), (406, 33177), (409, 33183), (485, 33408),

Gene: MilanaBonita_20 Start: 20281, Stop: 21492, Start Num: 66

Candidate Starts for MilanaBonita_20:

(Start: 66 @20281 has 84 MA's), (73, 20305), (95, 20362), (Start: 113 @20410 has 1 MA's), (134, 20470), (140, 20479), (148, 20494), (161, 20518), (170, 20542), (174, 20554), (189, 20590), (202, 20629), (205, 20638), (214, 20662), (225, 20692), (261, 20776), (263, 20779), (270, 20800), (284, 20836), (285, 20839), (293, 20860), (309, 20902), (362, 21019), (372, 21055), (377, 21061), (409, 21166), (427, 21247),

Gene: Milly_25 Start: 21282, Stop: 22277, Start Num: 111

Candidate Starts for Milly_25:

(41, 21099), (68, 21198), (Start: 111 @21282 has 58 MA's), (144, 21363), (158, 21387), (181, 21447), (201, 21501), (202, 21507), (250, 21609), (251, 21612), (275, 21660), (276, 21666), (294, 21708), (331, 21732), (364, 21816), (389, 21900), (409, 21957), (502, 22254),

Gene: MiniBoss_33 Start: 32361, Stop: 33521, Start Num: 62

Candidate Starts for MiniBoss_33:

(Start: 62 @32361 has 278 MA's), (Start: 106 @32472 has 1 MA's), (125, 32517), (171, 32616), (194, 32676), (208, 32712), (220, 32736), (241, 32781), (242, 32787), (265, 32838), (280, 32877), (281, 32880), (285, 32892), (290, 32907), (316, 32931), (330, 32964), (362, 33045), (374, 33090), (391, 33138), (403, 33174), (406, 33183), (409, 33189), (485, 33414),

Gene: MiniLon_22 Start: 22045, Stop: 23244, Start Num: 64

Candidate Starts for MiniLon_22:

(Start: 64 @22045 has 31 MA's), (74, 22072), (Start: 111 @22159 has 58 MA's), (118, 22177), (121, 22186), (139, 22225), (166, 22276), (167, 22279), (185, 22321), (193, 22351), (196, 22357), (199, 22363), (215, 22405), (268, 22525), (273, 22537), (275, 22543), (340, 22681), (362, 22774), (370, 22810), (389, 22864), (394, 22882), (460, 23074), (493, 23182),

Gene: MiniMac_22 Start: 22046, Stop: 23245, Start Num: 64

Candidate Starts for MiniMac_22:

(Start: 64 @22046 has 31 MA's), (74, 22073), (Start: 111 @22160 has 58 MA's), (118, 22178), (139, 22226), (166, 22277), (167, 22280), (185, 22322), (193, 22352), (196, 22358), (199, 22364), (215, 22406), (268, 22526), (273, 22538), (275, 22544), (340, 22682), (362, 22775), (370, 22811), (389, 22865), (394, 22883), (460, 23075), (493, 23183),

Gene: Miryou_27 Start: 23918, Stop: 24985, Start Num: 81

Candidate Starts for Miryou_27:

(Start: 81 @23918 has 84 MA's), (129, 24035), (Start: 160 @24092 has 3 MA's), (180, 24140), (182, 24146), (203, 24203), (204, 24206), (210, 24221), (230, 24248), (245, 24287), (248, 24290), (253, 24302), (254, 24305), (255, 24308), (284, 24323), (303, 24368), (306, 24374), (335, 24428), (358, 24476), (365, 24506), (384, 24551), (415, 24680), (429, 24734),

Gene: MissDaisy_29 Start: 24351, Stop: 25355, Start Num: 111

Candidate Starts for MissDaisy_29:

(Start: 111 @24351 has 58 MA's), (185, 24519), (201, 24564), (202, 24570), (230, 24624), (269, 24714), (278, 24735), (283, 24744), (362, 24876), (363, 24879), (401, 25002), (409, 25023), (494, 25290),

Gene: MitKao_33 Start: 32076, Stop: 33236, Start Num: 62

Candidate Starts for MitKao_33:

(Start: 62 @32076 has 278 MA's), (Start: 106 @32187 has 1 MA's), (125, 32232), (171, 32331), (194, 32391), (208, 32427), (220, 32451), (241, 32496), (242, 32502), (265, 32553), (280, 32592), (281, 32595), (285, 32607), (316, 32646), (330, 32679), (362, 32760), (391, 32853), (403, 32889), (406, 32898), (409, 32904), (485, 33129),

Gene: Mithril_30 Start: 32620, Stop: 33777, Start Num: 66

Candidate Starts for Mithril_30:

(Start: 66 @32620 has 84 MA's), (102, 32713), (Start: 106 @32728 has 1 MA's), (114, 32743), (118, 32755), (125, 32773), (150, 32815), (190, 32914), (192, 32923), (199, 32941), (208, 32968), (221, 32983), (225, 32989), (227, 32995), (232, 33001), (244, 33028), (249, 33037), (267, 33070), (284, 33103), (320, 33163), (332, 33193), (339, 33199), (351, 33244), (363, 33298), (364, 33301), (409, 33445), (459, 33598),

Gene: Mitti_29 Start: 24509, Stop: 25513, Start Num: 111

Candidate Starts for Mitti_29:

(Start: 111 @24509 has 58 MA's), (185, 24677), (201, 24722), (202, 24728), (230, 24782), (269, 24872), (278, 24893), (283, 24902), (362, 25034), (363, 25037), (386, 25112), (409, 25181), (481, 25391),

Gene: MmasiCarm_33 Start: 32205, Stop: 33407, Start Num: 66

Candidate Starts for MmasiCarm_33:

(Start: 66 @32205 has 84 MA's), (Start: 77 @32238 has 10 MA's), (135, 32382), (141, 32391), (148, 32400), (166, 32439), (169, 32448), (176, 32466), (194, 32517), (199, 32526), (203, 32538), (205, 32544), (208, 32553), (232, 32598), (238, 32613), (256, 32658), (283, 32727), (288, 32742), (293, 32754), (312, 32778), (335, 32826), (337, 32832), (338, 32838), (339, 32844), (344, 32868), (364, 32943), (368, 32973), (391, 33033), (394, 33045), (401, 33063), (425, 33165), (471, 33270), (476, 33276), (479, 33294), (501, 33381),

Gene: Moostard_22 Start: 22250, Stop: 23467, Start Num: 64

Candidate Starts for Moostard_22:

(Start: 64 @22250 has 31 MA's), (105, 22352), (Start: 111 @22364 has 58 MA's), (118, 22382), (121, 22391), (139, 22430), (Start: 160 @22466 has 3 MA's), (166, 22481), (168, 22487), (181, 22517), (183, 22520), (193, 22556), (199, 22568), (219, 22619), (221, 22622), (249, 22682), (259, 22709), (266, 22724), (268, 22730), (273, 22742), (299, 22802), (321, 22826), (340, 22886), (363, 22982), (370, 23015), (394, 23087), (403, 23111), (409, 23126), (479, 23339), (484, 23351),

Gene: Morgushi_33 Start: 32077, Stop: 33237, Start Num: 62

Candidate Starts for Morgushi_33:

(Start: 62 @32077 has 278 MA's), (Start: 106 @32188 has 1 MA's), (125, 32233), (171, 32332), (194, 32392), (208, 32428), (220, 32452), (241, 32497), (242, 32503), (265, 32554), (280, 32593), (281, 32596), (285, 32608), (316, 32647), (330, 32680), (362, 32761), (374, 32806), (391, 32854), (403, 32890), (406, 32899), (409, 32905), (485, 33130),

Gene: Mortcellus_32 Start: 32857, Stop: 34059, Start Num: 66

Candidate Starts for Mortcellus_32:

(Start: 66 @32857 has 84 MA's), (Start: 77 @32890 has 10 MA's), (135, 33034), (141, 33043), (148, 33052), (166, 33091), (169, 33100), (176, 33118), (185, 33136), (191, 33154), (192, 33160), (196, 33172), (208, 33205), (232, 33250), (238, 33265), (256, 33310), (287, 33391), (298, 33418), (317, 33436), (324, 33454), (339, 33496), (344, 33520), (364, 33595), (368, 33625), (391, 33685), (394, 33697), (401, 33715), (425, 33817), (471, 33922), (476, 33928), (479, 33946), (501, 34033),

Gene: Morty_33 Start: 32377, Stop: 33537, Start Num: 62

Candidate Starts for Morty_33:

(Start: 62 @32377 has 278 MA's), (Start: 106 @32488 has 1 MA's), (125, 32533), (171, 32632), (194, 32692), (208, 32728), (220, 32752), (241, 32797), (242, 32803), (265, 32854), (280, 32893), (281, 32896), (285, 32908), (316, 32947), (330, 32980), (362, 33061), (374, 33106), (391, 33154), (403, 33190), (406, 33199), (409, 33205), (485, 33430),

Gene: Morty007_33 Start: 33001, Stop: 34203, Start Num: 66

Candidate Starts for Morty007_33:

(Start: 66 @33001 has 84 MA's), (Start: 77 @33034 has 10 MA's), (135, 33178), (141, 33187), (148, 33196), (166, 33235), (169, 33244), (176, 33262), (185, 33280), (191, 33298), (192, 33304), (196, 33316), (203, 33334), (208, 33349), (225, 33382), (238, 33409), (256, 33454), (287, 33535), (298, 33562), (317, 33580), (324, 33598), (339, 33640), (344, 33664), (364, 33739), (368, 33769), (391, 33829), (394, 33841), (401, 33859), (425, 33961), (471, 34066), (476, 34072), (479, 34090), (501, 34177),

Gene: Mosaic_32 Start: 32082, Stop: 33242, Start Num: 62

Candidate Starts for Mosaic_32:

(Start: 62 @32082 has 278 MA's), (Start: 106 @32193 has 1 MA's), (125, 32238), (171, 32337), (194, 32397), (208, 32433), (220, 32457), (241, 32502), (242, 32508), (265, 32559), (280, 32598), (281, 32601), (285, 32613), (316, 32652), (330, 32685), (362, 32766), (391, 32859), (403, 32895), (406, 32904), (409, 32910), (485, 33135),

Gene: MrPhizzler_32 Start: 32085, Stop: 33245, Start Num: 62

Candidate Starts for MrPhizzler_32:

(Start: 62 @32085 has 278 MA's), (Start: 106 @32196 has 1 MA's), (125, 32241), (171, 32340), (194, 32400), (208, 32436), (220, 32460), (241, 32505), (242, 32511), (265, 32562), (280, 32601), (281, 32604), (285, 32616), (290, 32631), (316, 32655), (330, 32688), (362, 32769), (374, 32814), (391, 32862), (403, 32898), (406, 32907), (409, 32913), (485, 33138),

Gene: Ms6_19 Start: 19730, Stop: 20884, Start Num: 66

Candidate Starts for Ms6_19:

(20, 19493), (25, 19535), (30, 19565), (34, 19595), (44, 19655), (55, 19709), (Start: 66 @19730 has 84 MA's), (95, 19811), (Start: 113 @19859 has 1 MA's), (134, 19919), (140, 19928), (148, 19943), (161, 19967), (170, 19991), (174, 20003), (202, 20078), (205, 20087), (214, 20111), (225, 20141), (284, 20225), (285, 20228), (293, 20249), (362, 20408), (388, 20498), (391, 20507), (401, 20537), (409, 20558), (502, 20861),

Gene: MsGreen_22 Start: 22247, Stop: 23464, Start Num: 64

Candidate Starts for MsGreen_22:

(Start: 64 @22247 has 31 MA's), (105, 22349), (Start: 111 @22361 has 58 MA's), (118, 22379), (121, 22388), (139, 22427), (Start: 160 @22463 has 3 MA's), (166, 22478), (168, 22484), (181, 22514), (183, 22517), (193, 22553), (199, 22565), (219, 22616), (221, 22619), (249, 22679), (259, 22706), (266, 22721), (268, 22727), (273, 22739), (299, 22799), (321, 22823), (340, 22883), (363, 22979), (370, 23012), (394, 23084), (403, 23108), (479, 23336), (484, 23348),

Gene: Muddy_25 Start: 21935, Stop: 22960, Start Num: 77

Candidate Starts for Muddy_25:

(Start: 77 @21935 has 10 MA's), (117, 22025), (191, 22181), (217, 22244), (218, 22247), (308, 22391), (330, 22427), (358, 22478), (369, 22535), (435, 22733), (452, 22772), (497, 22898),

Gene: Mudslide_30 Start: 32852, Stop: 34009, Start Num: 66

Candidate Starts for Mudslide_30:

(Start: 66 @32852 has 84 MA's), (102, 32945), (Start: 106 @32960 has 1 MA's), (114, 32975), (118, 32987), (125, 33005), (150, 33047), (169, 33095), (190, 33146), (192, 33155), (199, 33173), (208, 33200), (221, 33215), (225, 33221), (227, 33227), (232, 33233), (244, 33260), (249, 33269), (267, 33302), (284, 33335), (332, 33425), (339, 33431), (351, 33476), (363, 33530), (364, 33533), (409, 33677), (459, 33830),

Gene: Mufasa_25 Start: 21302, Stop: 22327, Start Num: 111

Candidate Starts for Mufasa_25:

(68, 21218), (Start: 111 @21302 has 58 MA's), (158, 21407), (181, 21467), (201, 21521), (202, 21527), (241, 21608), (242, 21614), (250, 21629), (251, 21632), (364, 21836), (500, 22295),

Gene: Mulan_32 Start: 32094, Stop: 33254, Start Num: 62

Candidate Starts for Mulan_32:

(Start: 62 @32094 has 278 MA's), (Start: 106 @32205 has 1 MA's), (125, 32250), (171, 32349), (194, 32409), (208, 32445), (220, 32469), (241, 32514), (242, 32520), (265, 32571), (280, 32610), (281,

32613), (285, 32625), (316, 32664), (330, 32697), (362, 32778), (374, 32823), (391, 32871), (403, 32907), (406, 32916), (409, 32922), (485, 33147),

Gene: Mulch_27 Start: 23315, Stop: 24382, Start Num: 82

Candidate Starts for Mulch_27:

(Start: 82 @23315 has 13 MA's), (177, 23525), (253, 23693), (350, 23834), (354, 23849), (358, 23861), (363, 23885), (387, 23969), (399, 24005), (426, 24116),

Gene: Murdoc_33 Start: 32369, Stop: 33529, Start Num: 62

Candidate Starts for Murdoc_33:

(Start: 62 @32369 has 278 MA's), (Start: 106 @32480 has 1 MA's), (125, 32525), (171, 32624), (194, 32684), (208, 32720), (220, 32744), (241, 32789), (242, 32795), (265, 32846), (280, 32885), (281, 32888), (285, 32900), (290, 32915), (316, 32939), (330, 32972), (362, 33053), (374, 33098), (391, 33146), (403, 33182), (406, 33191), (409, 33197), (485, 33422),

Gene: Murucutumbu_28 Start: 23275, Stop: 24288, Start Num: 110

Candidate Starts for Murucutumbu_28:

(Start: 110 @23275 has 87 MA's), (Start: 160 @23386 has 3 MA's), (202, 23500), (256, 23617), (276, 23659), (331, 23725), (362, 23803), (363, 23806), (391, 23899), (396, 23911), (401, 23929), (409, 23950), (443, 24064), (471, 24133), (497, 24229),

Gene: Mutante_32 Start: 32076, Stop: 33236, Start Num: 62

Candidate Starts for Mutante_32:

(Start: 62 @32076 has 278 MA's), (Start: 106 @32187 has 1 MA's), (125, 32232), (171, 32331), (194, 32391), (208, 32427), (220, 32451), (241, 32496), (242, 32502), (265, 32553), (280, 32592), (281, 32595), (285, 32607), (290, 32622), (316, 32646), (330, 32679), (362, 32760), (374, 32805), (391, 32853), (403, 32889), (406, 32898), (409, 32904), (485, 33129),

Gene: Mynx_28 Start: 23339, Stop: 24352, Start Num: 110

Candidate Starts for Mynx_28:

(11, 22895), (87, 23294), (Start: 110 @23339 has 87 MA's), (202, 23564), (256, 23681), (276, 23723), (283, 23735), (331, 23789), (362, 23867), (391, 23963), (396, 23975), (405, 24005), (409, 24014), (443, 24128), (471, 24197),

Gene: Mysterious_33 Start: 32854, Stop: 34362, Start Num: 17

Candidate Starts for Mysterious_33:

(Start: 17 @32854 has 8 MA's), (21, 32893), (32, 32965), (35, 32992), (38, 33001), (43, 33043), (46, 33058), (47, 33070), (54, 33100), (Start: 67 @33121 has 1 MA's), (70, 33130), (87, 33178), (107, 33232), (Start: 110 @33235 has 87 MA's), (135, 33307), (Start: 160 @33358 has 3 MA's), (170, 33385), (183, 33412), (201, 33463), (213, 33499), (216, 33514), (232, 33553), (238, 33568), (268, 33643), (285, 33688), (287, 33694), (290, 33703), (332, 33775), (339, 33799), (345, 33826), (355, 33865), (364, 33901), (401, 34027), (424, 34117), (476, 34228), (505, 34348),

Gene: Nacho_0033 Start: 32371, Stop: 33531, Start Num: 62

Candidate Starts for Nacho_0033:

(Start: 62 @32371 has 278 MA's), (Start: 106 @32482 has 1 MA's), (125, 32527), (171, 32626), (194, 32686), (208, 32722), (220, 32746), (241, 32791), (242, 32797), (265, 32848), (280, 32887), (281, 32890), (285, 32902), (290, 32917), (316, 32941), (330, 32974), (362, 33055), (374, 33100), (391, 33148), (403, 33184), (406, 33193), (409, 33199), (485, 33424),

Gene: Nadeem_27 Start: 23315, Stop: 24382, Start Num: 82

Candidate Starts for Nadeem_27:

(Start: 82 @23315 has 13 MA's), (177, 23525), (253, 23693), (350, 23834), (354, 23849), (358, 23861), (363, 23885), (387, 23969), (426, 24116),

Gene: Nanao_29 Start: 31577, Stop: 32734, Start Num: 66

Candidate Starts for Nanao_29:

(Start: 66 @31577 has 84 MA's), (102, 31670), (Start: 106 @31685 has 1 MA's), (114, 31700), (118, 31712), (125, 31730), (169, 31820), (190, 31871), (192, 31880), (193, 31886), (199, 31898), (208, 31925), (221, 31940), (225, 31946), (227, 31952), (244, 31985), (249, 31994), (267, 32027), (284, 32060), (332, 32150), (339, 32156), (363, 32255), (364, 32258), (409, 32402), (459, 32555),

Gene: NancyRae_27 Start: 23321, Stop: 24388, Start Num: 82

Candidate Starts for NancyRae_27:

(Start: 82 @23321 has 13 MA's), (177, 23531), (253, 23699), (350, 23840), (354, 23855), (358, 23867), (363, 23891), (387, 23975), (399, 24011), (426, 24122),

Gene: Nangang_32 Start: 32544, Stop: 34049, Start Num: 17

Candidate Starts for Nangang_32:

(Start: 17 @32544 has 8 MA's), (21, 32583), (32, 32655), (35, 32682), (43, 32733), (46, 32748), (137, 33000), (154, 33030), (Start: 160 @33048 has 3 MA's), (170, 33075), (183, 33102), (216, 33204), (232, 33243), (238, 33258), (268, 33333), (285, 33378), (287, 33384), (290, 33393), (339, 33489), (355, 33555), (364, 33591), (424, 33804), (476, 33915), (505, 34035),

Gene: Nanosmite_35 Start: 27723, Stop: 28895, Start Num: 64

Candidate Starts for Nanosmite_35:

(59, 27717), (Start: 64 @27723 has 31 MA's), (105, 27828), (Start: 106 @27831 has 1 MA's), (118, 27858), (176, 27984), (196, 28038), (199, 28044), (202, 28053), (228, 28113), (244, 28146), (256, 28176), (258, 28182), (291, 28242), (324, 28284), (404, 28539), (419, 28593), (456, 28689), (465, 28716), (468, 28722),

Gene: Nazo_22 Start: 21497, Stop: 22546, Start Num: 81

Candidate Starts for Nazo_22:

(Start: 81 @21497 has 84 MA's), (89, 21518), (157, 21659), (168, 21689), (176, 21710), (202, 21773), (218, 21812), (320, 21971), (369, 22103), (403, 22199), (497, 22484),

Gene: Necropolis_22 Start: 21299, Stop: 22336, Start Num: 81

Candidate Starts for Necropolis_22:

(71, 21275), (Start: 79 @21296 has 6 MA's), (Start: 81 @21299 has 84 MA's), (90, 21323), (157, 21461), (171, 21503), (200, 21572), (230, 21632), (248, 21677), (288, 21722), (330, 21803), (358, 21860), (363, 21884), (396, 21989), (413, 22061), (431, 22106), (495, 22271),

Gene: Nenae_21 Start: 19877, Stop: 21031, Start Num: 66

Candidate Starts for Nenae_21:

(20, 19640), (25, 19682), (30, 19712), (34, 19742), (44, 19802), (55, 19856), (Start: 66 @19877 has 84 MA's), (88, 19940), (95, 19958), (Start: 113 @20006 has 1 MA's), (134, 20066), (140, 20075), (148, 20090), (161, 20114), (170, 20138), (174, 20150), (202, 20225), (205, 20234), (214, 20258), (225, 20288), (244, 20333), (246, 20336), (249, 20342), (284, 20372), (285, 20375), (293, 20396), (362, 20555), (388, 20645), (391, 20654), (401, 20684), (409, 20705), (502, 21008),

Gene: Neos5_33 Start: 33020, Stop: 34222, Start Num: 66

Candidate Starts for Neos5_33:

(Start: 66 @33020 has 84 MA's), (Start: 77 @33053 has 10 MA's), (135, 33197), (141, 33206), (148, 33215), (166, 33254), (169, 33263), (176, 33281), (185, 33299), (191, 33317), (192, 33323), (196, 33335), (203, 33353), (208, 33368), (225, 33401), (238, 33428), (256, 33473), (287, 33554), (298,

33581), (317, 33599), (324, 33617), (339, 33659), (344, 33683), (364, 33758), (368, 33788), (391, 33848), (394, 33860), (401, 33878), (425, 33980), (471, 34085), (476, 34091), (479, 34109), (501, 34196),

Gene: Newman_33 Start: 32368, Stop: 33528, Start Num: 62

Candidate Starts for Newman_33:

(Start: 62 @32368 has 278 MA's), (Start: 106 @32479 has 1 MA's), (125, 32524), (171, 32623), (194, 32683), (208, 32719), (220, 32743), (241, 32788), (242, 32794), (265, 32845), (280, 32884), (281, 32887), (285, 32899), (290, 32914), (316, 32938), (330, 32971), (362, 33052), (374, 33097), (391, 33145), (403, 33181), (406, 33190), (409, 33196), (485, 33421),

Gene: Nibb_27 Start: 22603, Stop: 23589, Start Num: 111

Candidate Starts for Nibb_27:

(Start: 111 @22603 has 58 MA's), (159, 22708), (179, 22759), (184, 22771), (191, 22792), (192, 22798), (197, 22813), (207, 22840), (239, 22900), (250, 22927), (292, 23020), (300, 23032), (360, 23119), (363, 23131), (388, 23215), (401, 23254), (410, 23281), (430, 23350), (461, 23404),

Gene: Nicholas_22 Start: 22247, Stop: 23464, Start Num: 64

Candidate Starts for Nicholas_22:

(Start: 64 @22247 has 31 MA's), (105, 22349), (Start: 111 @22361 has 58 MA's), (118, 22379), (121, 22388), (139, 22427), (Start: 160 @22463 has 3 MA's), (166, 22478), (168, 22484), (181, 22514), (183, 22517), (193, 22553), (199, 22565), (219, 22616), (221, 22619), (249, 22679), (259, 22706), (266, 22721), (268, 22727), (273, 22739), (299, 22799), (321, 22823), (340, 22883), (363, 22979), (370, 23012), (394, 23084), (403, 23108), (479, 23336), (484, 23348),

Gene: Nicole21_33 Start: 32366, Stop: 33526, Start Num: 62

Candidate Starts for Nicole21_33:

(Start: 62 @32366 has 278 MA's), (Start: 106 @32477 has 1 MA's), (125, 32522), (171, 32621), (194, 32681), (208, 32717), (220, 32741), (241, 32786), (242, 32792), (265, 32843), (280, 32882), (281, 32885), (285, 32897), (290, 32912), (316, 32936), (330, 32969), (362, 33050), (374, 33095), (391, 33143), (403, 33179), (406, 33188), (409, 33194), (485, 33419),

Gene: Nigel_28 Start: 31491, Stop: 32651, Start Num: 66

Candidate Starts for Nigel_28:

(7, 30987), (Start: 66 @31491 has 84 MA's), (74, 31518), (Start: 106 @31602 has 1 MA's), (114, 31617), (118, 31629), (125, 31647), (190, 31788), (192, 31797), (199, 31815), (208, 31842), (221, 31857), (225, 31863), (227, 31869), (239, 31887), (244, 31902), (249, 31911), (267, 31944), (284, 31977), (288, 31989), (290, 31995), (332, 32067), (339, 32073), (361, 32163), (363, 32172), (409, 32319), (459, 32472),

Gene: Nikao_24 Start: 22900, Stop: 23907, Start Num: 111

Candidate Starts for Nikao_24:

(93, 22849), (97, 22861), (Start: 111 @22900 has 58 MA's), (136, 22960), (170, 23032), (191, 23086), (197, 23107), (256, 23236), (279, 23281), (281, 23284), (329, 23341), (331, 23344), (354, 23389), (363, 23425), (391, 23521), (396, 23533), (430, 23653), (480, 23785),

Gene: Niklas_28 Start: 22731, Stop: 23696, Start Num: 110

Candidate Starts for Niklas_28:

(Start: 110 @22731 has 87 MA's), (112, 22737), (178, 22890), (185, 22908), (191, 22926), (202, 22959), (219, 23001), (250, 23061), (256, 23076), (362, 23262), (363, 23265), (386, 23337), (409, 23406), (422, 23454), (429, 23469), (450, 23502), (465, 23541), (497, 23640),

Gene: NoShow_22 Start: 21146, Stop: 22273, Start Num: 83

Candidate Starts for NoShow_22:

(Start: 83 @21146 has 1 MA's), (142, 21290), (146, 21296), (153, 21308), (155, 21311), (163, 21335), (230, 21506), (239, 21527), (267, 21599), (287, 21647), (381, 21845), (387, 21878), (487, 22193),

Gene: Nozo_33 Start: 32981, Stop: 34183, Start Num: 66

Candidate Starts for Nozo_33:

(Start: 66 @32981 has 84 MA's), (Start: 77 @33014 has 10 MA's), (135, 33158), (141, 33167), (148, 33176), (166, 33215), (169, 33224), (176, 33242), (185, 33260), (191, 33278), (192, 33284), (196, 33296), (203, 33314), (208, 33329), (225, 33362), (238, 33389), (256, 33434), (287, 33515), (298, 33542), (317, 33560), (324, 33578), (339, 33620), (344, 33644), (364, 33719), (368, 33749), (391, 33809), (394, 33821), (401, 33839), (425, 33941), (471, 34046), (476, 34052), (479, 34070), (501, 34157),

Gene: Numberten_33 Start: 32375, Stop: 33535, Start Num: 62

Candidate Starts for Numberten_33:

(Start: 62 @32375 has 278 MA's), (Start: 106 @32486 has 1 MA's), (125, 32531), (171, 32630), (194, 32690), (208, 32726), (220, 32750), (241, 32795), (242, 32801), (265, 32852), (280, 32891), (281, 32894), (285, 32906), (316, 32945), (330, 32978), (362, 33059), (374, 33104), (391, 33152), (403, 33188), (406, 33197), (409, 33203), (485, 33428),

Gene: Nutello_24 Start: 22900, Stop: 23907, Start Num: 111

Candidate Starts for Nutello_24:

(93, 22849), (97, 22861), (Start: 111 @22900 has 58 MA's), (136, 22960), (170, 23032), (191, 23086), (197, 23107), (256, 23236), (279, 23281), (281, 23284), (329, 23341), (331, 23344), (354, 23389), (363, 23425), (391, 23521), (396, 23533), (430, 23653), (480, 23785),

Gene: Nyala_32 Start: 32068, Stop: 33228, Start Num: 62

Candidate Starts for Nyala_32:

(Start: 62 @32068 has 278 MA's), (Start: 106 @32179 has 1 MA's), (125, 32224), (171, 32323), (194, 32383), (208, 32419), (220, 32443), (241, 32488), (242, 32494), (265, 32545), (280, 32584), (281, 32587), (285, 32599), (290, 32614), (316, 32638), (330, 32671), (362, 32752), (374, 32797), (391, 32845), (403, 32881), (406, 32890), (409, 32896), (485, 33121),

Gene: OSmaximus_33 Start: 32410, Stop: 33570, Start Num: 62

Candidate Starts for OSmaximus_33:

(Start: 62 @32410 has 278 MA's), (Start: 106 @32521 has 1 MA's), (125, 32566), (171, 32665), (194, 32725), (208, 32761), (220, 32785), (241, 32830), (242, 32836), (265, 32887), (280, 32926), (281, 32929), (285, 32941), (290, 32956), (316, 32980), (330, 33013), (362, 33094), (374, 33139), (391, 33187), (403, 33223), (406, 33232), (409, 33238), (485, 33463),

Gene: Obutu_33 Start: 32205, Stop: 33407, Start Num: 66

Candidate Starts for Obutu_33:

(Start: 66 @32205 has 84 MA's), (Start: 77 @32238 has 10 MA's), (135, 32382), (141, 32391), (148, 32400), (166, 32439), (169, 32448), (176, 32466), (194, 32517), (199, 32526), (203, 32538), (205, 32544), (208, 32553), (232, 32598), (238, 32613), (256, 32658), (283, 32727), (288, 32742), (293, 32754), (312, 32778), (335, 32826), (337, 32832), (338, 32838), (339, 32844), (344, 32868), (364, 32943), (368, 32973), (391, 33033), (394, 33045), (401, 33063), (424, 33162), (425, 33165), (471, 33270), (476, 33276), (479, 33294), (501, 33381),

Gene: OhShagHennessy_21 Start: 21653, Stop: 22825, Start Num: 64

Candidate Starts for OhShagHennessy_21:

(Start: 61 @21650 has 5 MA's), (Start: 64 @21653 has 31 MA's), (Start: 116 @21779 has 2 MA's), (133, 21821), (139, 21833), (142, 21836), (Start: 160 @21869 has 3 MA's), (165, 21881), (185,

21929), (191, 21947), (203, 21983), (208, 21998), (236, 22049), (246, 22079), (264, 22121), (277, 22145), (310, 22181), (314, 22187), (327, 22214), (340, 22232), (364, 22325), (365, 22328), (389, 22412), (428, 22550), (440, 22568), (471, 22652),

Gene: OkiRoe_27 Start: 23934, Stop: 25001, Start Num: 81

Candidate Starts for OkiRoe_27:

(Start: 81 @23934 has 84 MA's), (129, 24051), (Start: 160 @24108 has 3 MA's), (180, 24156), (182, 24162), (204, 24222), (210, 24237), (230, 24264), (245, 24303), (248, 24306), (253, 24318), (254, 24321), (255, 24324), (284, 24339), (303, 24384), (306, 24390), (335, 24444), (358, 24492), (365, 24522), (384, 24567), (415, 24696), (429, 24750),

Gene: Olak_33 Start: 32072, Stop: 33232, Start Num: 62

Candidate Starts for Olak_33:

(Start: 62 @32072 has 278 MA's), (Start: 106 @32183 has 1 MA's), (125, 32228), (171, 32327), (194, 32387), (208, 32423), (220, 32447), (241, 32492), (242, 32498), (265, 32549), (280, 32588), (281, 32591), (285, 32603), (290, 32618), (316, 32642), (330, 32675), (362, 32756), (374, 32801), (391, 32849), (403, 32885), (406, 32894), (409, 32900), (485, 33125),

Gene: Oline_32 Start: 31937, Stop: 33097, Start Num: 62

Candidate Starts for Oline_32:

(Start: 62 @31937 has 278 MA's), (Start: 106 @32048 has 1 MA's), (125, 32093), (171, 32192), (194, 32252), (208, 32288), (220, 32312), (241, 32357), (242, 32363), (265, 32414), (280, 32453), (281, 32456), (285, 32468), (316, 32507), (330, 32540), (362, 32621), (391, 32714), (403, 32750), (406, 32759), (409, 32765), (485, 32990),

Gene: Olive_33 Start: 32358, Stop: 33518, Start Num: 62

Candidate Starts for Olive_33:

(Start: 62 @32358 has 278 MA's), (Start: 106 @32469 has 1 MA's), (125, 32514), (171, 32613), (194, 32673), (208, 32709), (220, 32733), (241, 32778), (242, 32784), (265, 32835), (280, 32874), (281, 32877), (285, 32889), (316, 32928), (330, 32961), (362, 33042), (374, 33087), (391, 33135), (403, 33171), (406, 33180), (409, 33186), (485, 33411),

Gene: OliverWalter_33 Start: 32380, Stop: 33540, Start Num: 62

Candidate Starts for OliverWalter_33:

(Start: 62 @32380 has 278 MA's), (Start: 106 @32491 has 1 MA's), (125, 32536), (171, 32635), (194, 32695), (208, 32731), (220, 32755), (241, 32800), (242, 32806), (265, 32857), (280, 32896), (281, 32899), (285, 32911), (290, 32926), (316, 32950), (330, 32983), (362, 33064), (374, 33109), (391, 33157), (403, 33193), (406, 33202), (409, 33208), (485, 33433),

Gene: OmniCritical_29 Start: 24494, Stop: 25498, Start Num: 111

Candidate Starts for OmniCritical_29:

(Start: 111 @24494 has 58 MA's), (185, 24662), (201, 24707), (202, 24713), (230, 24767), (235, 24776), (269, 24857), (278, 24878), (282, 24884), (283, 24887), (362, 25019), (363, 25022), (401, 25145), (481, 25376),

Gene: Omnicron_28 Start: 22797, Stop: 23876, Start Num: 81

Candidate Starts for Omnicron_28:

(Start: 81 @22797 has 84 MA's), (93, 22824), (Start: 160 @22971 has 3 MA's), (162, 22977), (182, 23025), (196, 23064), (203, 23082), (210, 23100), (245, 23166), (284, 23202), (293, 23226), (296, 23232), (348, 23325), (380, 23427), (389, 23472), (406, 23517), (408, 23520), (411, 23538), (416, 23559), (425, 23601), (435, 23619), (473, 23715), (474, 23718), (504, 23859),

Gene: Omniscient_33 Start: 32377, Stop: 33537, Start Num: 62

Candidate Starts for Omniscient_33:

(Start: 62 @32377 has 278 MA's), (Start: 106 @32488 has 1 MA's), (125, 32533), (171, 32632), (194, 32692), (208, 32728), (220, 32752), (241, 32797), (242, 32803), (265, 32854), (280, 32893), (281, 32896), (285, 32908), (290, 32923), (316, 32947), (330, 32980), (362, 33061), (374, 33106), (391, 33154), (403, 33190), (406, 33199), (409, 33205), (485, 33430),

Gene: Onyinye_43 Start: 33042, Stop: 34181, Start Num: 84

Candidate Starts for Onyinye_43:

(Start: 83 @33039 has 1 MA's), (Start: 84 @33042 has 3 MA's), (92, 33063), (103, 33099), (153, 33213), (155, 33216), (175, 33270), (186, 33297), (226, 33402), (233, 33411), (261, 33483), (282, 33534), (285, 33543), (293, 33564), (323, 33600), (390, 33786), (404, 33828), (405, 33831), (411, 33855), (424, 33921),

Gene: Oosterbaan_33 Start: 32368, Stop: 33528, Start Num: 62

Candidate Starts for Oosterbaan_33:

(Start: 62 @32368 has 278 MA's), (Start: 106 @32479 has 1 MA's), (125, 32524), (171, 32623), (194, 32683), (208, 32719), (220, 32743), (241, 32788), (242, 32794), (265, 32845), (280, 32884), (281, 32887), (285, 32899), (290, 32914), (316, 32938), (330, 32971), (362, 33052), (374, 33097), (391, 33145), (403, 33181), (406, 33190), (409, 33196), (485, 33421),

Gene: Opia_33 Start: 32684, Stop: 33847, Start Num: 62

Candidate Starts for Opia_33:

(29, 32537), (Start: 57 @32678 has 11 MA's), (Start: 62 @32684 has 278 MA's), (78, 32723), (91, 32753), (Start: 106 @32798 has 1 MA's), (125, 32843), (171, 32942), (194, 33002), (208, 33038), (220, 33062), (241, 33107), (242, 33113), (265, 33164), (280, 33203), (281, 33206), (285, 33218), (290, 33233), (316, 33257), (330, 33290), (362, 33371), (391, 33464), (403, 33500), (406, 33509), (409, 33515), (485, 33740),

Gene: OrangeOswald_33 Start: 32222, Stop: 33424, Start Num: 66

Candidate Starts for OrangeOswald_33:

(Start: 66 @32222 has 84 MA's), (Start: 77 @32255 has 10 MA's), (135, 32399), (141, 32408), (148, 32417), (166, 32456), (169, 32465), (176, 32483), (185, 32501), (191, 32519), (192, 32525), (196, 32537), (203, 32555), (208, 32570), (225, 32603), (238, 32630), (256, 32675), (287, 32756), (298, 32783), (317, 32801), (324, 32819), (339, 32861), (344, 32885), (364, 32960), (368, 32990), (391, 33050), (394, 33062), (401, 33080), (425, 33182), (471, 33287), (476, 33293), (479, 33311), (501, 33398),

Gene: Orfeu_32 Start: 32076, Stop: 33236, Start Num: 62

Candidate Starts for Orfeu_32:

(Start: 62 @32076 has 278 MA's), (Start: 106 @32187 has 1 MA's), (125, 32232), (171, 32331), (194, 32391), (208, 32427), (220, 32451), (241, 32496), (242, 32502), (265, 32553), (280, 32592), (281, 32595), (285, 32607), (290, 32622), (316, 32646), (330, 32679), (362, 32760), (374, 32805), (391, 32853), (403, 32889), (406, 32898), (409, 32904), (485, 33129),

Gene: Orion_33 Start: 32366, Stop: 33526, Start Num: 62

Candidate Starts for Orion_33:

(Start: 62 @32366 has 278 MA's), (Start: 106 @32477 has 1 MA's), (125, 32522), (171, 32621), (194, 32681), (208, 32717), (220, 32741), (241, 32786), (242, 32792), (265, 32843), (280, 32882), (281, 32885), (285, 32897), (290, 32912), (316, 32936), (330, 32969), (362, 33050), (374, 33095), (391, 33143), (403, 33179), (406, 33188), (409, 33194), (485, 33419),

Gene: Orwigg_33 Start: 32064, Stop: 33224, Start Num: 62

Candidate Starts for Orwigg_33:

(Start: 62 @32064 has 278 MA's), (Start: 106 @32175 has 1 MA's), (125, 32220), (171, 32319), (194, 32379), (208, 32415), (220, 32439), (241, 32484), (242, 32490), (265, 32541), (280, 32580), (281, 32583), (285, 32595), (290, 32610), (316, 32634), (330, 32667), (362, 32748), (374, 32793), (391, 32841), (403, 32877), (406, 32886), (409, 32892), (485, 33117),

Gene: Oscar_27 Start: 22584, Stop: 23552, Start Num: 111

Candidate Starts for Oscar_27:

(Start: 111 @22584 has 58 MA's), (181, 22746), (184, 22752), (191, 22773), (192, 22779), (207, 22821), (234, 22866), (250, 22908), (256, 22923), (331, 23031), (364, 23115), (466, 23391),

Gene: P3MA_25 Start: 20906, Stop: 22060, Start Num: 64

Candidate Starts for P3MA_25:

(Start: 64 @20906 has 31 MA's), (118, 21038), (120, 21041), (139, 21086), (142, 21089), (151, 21098), (Start: 160 @21122 has 3 MA's), (172, 21158), (174, 21161), (176, 21164), (199, 21224), (208, 21251), (225, 21284), (236, 21302), (273, 21398), (275, 21404), (283, 21419), (324, 21464), (357, 21554), (361, 21572), (409, 21728), (423, 21794), (494, 21992),

Gene: PG1_33 Start: 32379, Stop: 33539, Start Num: 62

Candidate Starts for PG1_33:

(Start: 62 @32379 has 278 MA's), (Start: 106 @32490 has 1 MA's), (125, 32535), (171, 32634), (194, 32694), (208, 32730), (220, 32754), (241, 32799), (242, 32805), (265, 32856), (280, 32895), (281, 32898), (285, 32910), (290, 32925), (316, 32949), (330, 32982), (362, 33063), (374, 33108), (391, 33156), (403, 33192), (406, 33201), (409, 33207), (485, 33432),

Gene: PR_25 Start: 29919, Stop: 31133, Start Num: 57

Candidate Starts for PR_25:

(Start: 57 @29919 has 11 MA's), (Start: 66 @29925 has 84 MA's), (78, 29964), (Start: 106 @30039 has 1 MA's), (108, 30042), (121, 30075), (128, 30096), (135, 30108), (139, 30114), (148, 30126), (166, 30165), (167, 30168), (194, 30243), (203, 30264), (238, 30339), (256, 30384), (268, 30414), (285, 30459), (288, 30468), (290, 30474), (293, 30480), (312, 30504), (333, 30549), (339, 30570), (344, 30594), (364, 30669), (368, 30699), (391, 30759), (394, 30771), (401, 30789), (424, 30888), (425, 30891), (471, 30996), (476, 31002), (489, 31068), (491, 31071), (501, 31107),

Gene: Pacifista_34 Start: 32070, Stop: 33230, Start Num: 62

Candidate Starts for Pacifista_34:

(Start: 62 @32070 has 278 MA's), (Start: 106 @32181 has 1 MA's), (125, 32226), (171, 32325), (194, 32385), (208, 32421), (220, 32445), (241, 32490), (242, 32496), (265, 32547), (280, 32586), (281, 32589), (285, 32601), (290, 32616), (316, 32640), (330, 32673), (362, 32754), (374, 32799), (391, 32847), (403, 32883), (406, 32892), (409, 32898), (485, 33123),

Gene: Padfoot_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Padfoot_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (Start: 160 @23467 has 3 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (396, 23992), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: Padpat_28 Start: 23316, Stop: 24329, Start Num: 110

Candidate Starts for Padpat_28:

(11, 22872), (87, 23271), (Start: 110 @23316 has 87 MA's), (202, 23541), (256, 23658), (276, 23700), (283, 23712), (331, 23766), (362, 23844), (391, 23940), (396, 23952), (405, 23982), (409, 23991), (443, 24105), (471, 24174),

Gene: Panchino_21 Start: 20180, Stop: 21217, Start Num: 81

Candidate Starts for Panchino_21:

(Start: 81 @20180 has 84 MA's), (153, 20336), (157, 20342), (197, 20450), (204, 20468), (248, 20558), (288, 20603), (330, 20684), (363, 20765), (389, 20852), (396, 20870), (413, 20942), (431, 20987), (495, 21152),

Gene: Paola_27 Start: 23933, Stop: 25000, Start Num: 81

Candidate Starts for Paola_27:

(Start: 81 @23933 has 84 MA's), (129, 24050), (Start: 160 @24107 has 3 MA's), (180, 24155), (182, 24161), (203, 24218), (204, 24221), (210, 24236), (230, 24263), (245, 24302), (248, 24305), (253, 24317), (254, 24320), (255, 24323), (284, 24338), (303, 24383), (306, 24389), (335, 24443), (358, 24491), (365, 24521), (384, 24566), (415, 24695), (429, 24749),

Gene: Parada_27 Start: 23315, Stop: 24382, Start Num: 82

Candidate Starts for Parada_27:

(Start: 82 @23315 has 13 MA's), (177, 23525), (253, 23693), (350, 23834), (354, 23849), (358, 23861), (363, 23885), (387, 23969), (399, 24005), (426, 24116),

Gene: Patience_38 Start: 32593, Stop: 33633, Start Num: 85

Candidate Starts for Patience_38:

(Start: 85 @32593 has 3 MA's), (117, 32671), (156, 32749), (250, 32962), (253, 32968), (308, 33046), (358, 33139), (364, 33166),

Gene: Patt_29 Start: 24327, Stop: 25331, Start Num: 111

Candidate Starts for Patt_29:

(Start: 111 @24327 has 58 MA's), (185, 24495), (201, 24540), (202, 24546), (230, 24600), (269, 24690), (278, 24711), (283, 24720), (362, 24852), (363, 24855), (406, 24993), (420, 25062),

Gene: Peanam_28 Start: 22728, Stop: 23693, Start Num: 110

Candidate Starts for Peanam_28:

(Start: 110 @22728 has 87 MA's), (112, 22734), (178, 22887), (185, 22905), (191, 22923), (202, 22956), (219, 22998), (250, 23058), (256, 23073), (283, 23127), (362, 23259), (363, 23262), (386, 23334), (409, 23403), (422, 23451), (429, 23466), (450, 23499), (465, 23538), (497, 23637),

Gene: Peel_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Peel_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: PegLeg_31 Start: 26991, Stop: 28046, Start Num: 81

Candidate Starts for PegLeg_31:

(Start: 81 @26991 has 84 MA's), (176, 27204), (191, 27240), (217, 27303), (254, 27375), (288, 27405), (298, 27426), (317, 27462), (335, 27498), (358, 27546), (362, 27567), (364, 27573), (369, 27603), (371, 27606), (388, 27654), (451, 27843), (461, 27864), (478, 27918),

Gene: PenguinLover67_33 Start: 33434, Stop: 34648, Start Num: 58

Candidate Starts for PenguinLover67_33:

(Start: 58 @33434 has 8 MA's), (Start: 116 @33572 has 2 MA's), (142, 33632), (166, 33680), (167, 33683), (183, 33719), (190, 33740), (203, 33779), (211, 33803), (234, 33842), (249, 33881), (257, 33902), (265, 33920), (266, 33923), (363, 34136), (364, 34139), (383, 34184), (463, 34478),

Gene: Phaedrus_31 Start: 32138, Stop: 33340, Start Num: 66

Candidate Starts for Phaedrus_31:

(Start: 66 @32138 has 84 MA's), (Start: 77 @32171 has 10 MA's), (135, 32315), (141, 32324), (148, 32333), (166, 32372), (169, 32381), (176, 32399), (185, 32417), (191, 32435), (192, 32441), (196, 32453), (203, 32471), (208, 32486), (225, 32519), (238, 32546), (256, 32591), (287, 32672), (298, 32699), (317, 32717), (324, 32735), (339, 32777), (368, 32906), (401, 32996), (425, 33098), (452, 33155), (458, 33164), (471, 33203), (489, 33275), (502, 33317),

Gene: Phalm_22 Start: 21561, Stop: 22601, Start Num: 77

Candidate Starts for Phalm_22:

(Start: 77 @21561 has 10 MA's), (153, 21720), (157, 21726), (171, 21768), (197, 21834), (200, 21837), (230, 21897), (248, 21942), (288, 21987), (330, 22068), (358, 22125), (363, 22149), (396, 22254), (413, 22326), (431, 22371),

Gene: Phamished_33 Start: 32374, Stop: 33534, Start Num: 62

Candidate Starts for Phamished_33:

(Start: 62 @32374 has 278 MA's), (Start: 106 @32485 has 1 MA's), (125, 32530), (171, 32629), (194, 32689), (208, 32725), (220, 32749), (241, 32794), (242, 32800), (265, 32851), (280, 32890), (281, 32893), (285, 32905), (290, 32920), (316, 32944), (330, 32977), (362, 33058), (374, 33103), (391, 33151), (403, 33187), (406, 33196), (409, 33202), (485, 33427),

Gene: PhancyPhin_21 Start: 19874, Stop: 21028, Start Num: 66

Candidate Starts for PhancyPhin_21:

(20, 19637), (25, 19679), (30, 19709), (34, 19739), (44, 19799), (55, 19853), (Start: 66 @19874 has 84 MA's), (88, 19937), (95, 19955), (Start: 113 @20003 has 1 MA's), (134, 20063), (140, 20072), (148, 20087), (161, 20111), (170, 20135), (174, 20147), (202, 20222), (205, 20231), (214, 20255), (225, 20285), (244, 20330), (246, 20333), (249, 20339), (284, 20369), (285, 20372), (293, 20393), (362, 20552), (388, 20642), (391, 20651), (401, 20681), (409, 20702), (502, 21005),

Gene: Phantasmagoria_33 Start: 32695, Stop: 33858, Start Num: 62

Candidate Starts for Phantasmagoria_33:

(Start: 57 @32689 has 11 MA's), (Start: 62 @32695 has 278 MA's), (78, 32734), (91, 32764), (Start: 106 @32809 has 1 MA's), (125, 32854), (171, 32953), (194, 33013), (208, 33049), (220, 33073), (241, 33118), (242, 33124), (265, 33175), (280, 33214), (281, 33217), (285, 33229), (290, 33244), (316, 33268), (330, 33301), (362, 33382), (374, 33427), (391, 33475), (403, 33511), (406, 33520), (409, 33526), (485, 33751),

Gene: Pharb_27 Start: 23529, Stop: 24596, Start Num: 109

Candidate Starts for Pharb_27:

(Start: 109 @23529 has 1 MA's), (123, 23565), (124, 23568), (Start: 160 @23634 has 3 MA's), (170, 23661), (189, 23709), (197, 23736), (202, 23748), (210, 23769), (242, 23835), (283, 23919), (305, 23976), (307, 23979), (362, 24111), (363, 24114), (368, 24147), (380, 24162), (408, 24255), (426, 24345),

Gene: Phareon_33 Start: 32078, Stop: 33238, Start Num: 62

Candidate Starts for Phareon_33:

(Start: 62 @32078 has 278 MA's), (Start: 106 @32189 has 1 MA's), (125, 32234), (171, 32333), (194, 32393), (208, 32429), (220, 32453), (241, 32498), (242, 32504), (265, 32555), (280, 32594), (281, 32597), (285, 32609), (290, 32624), (316, 32648), (330, 32681), (362, 32762), (374, 32807), (391, 32855), (403, 32891), (406, 32900), (409, 32906), (485, 33131),

Gene: PhatCats2014_33 Start: 32383, Stop: 33543, Start Num: 62

Candidate Starts for PhatCats2014_33:

(Start: 62 @32383 has 278 MA's), (Start: 106 @32494 has 1 MA's), (125, 32539), (171, 32638), (194, 32698), (208, 32734), (220, 32758), (241, 32803), (242, 32809), (265, 32860), (280, 32899), (281,

32902), (285, 32914), (290, 32929), (316, 32953), (330, 32986), (362, 33067), (374, 33112), (391, 33160), (403, 33196), (406, 33205), (409, 33211), (485, 33436),

Gene: PhatLouie_33 Start: 32372, Stop: 33532, Start Num: 62

Candidate Starts for PhatLouie_33:

(Start: 62 @32372 has 278 MA's), (Start: 106 @32483 has 1 MA's), (125, 32528), (171, 32627), (194, 32687), (208, 32723), (220, 32747), (241, 32792), (242, 32798), (265, 32849), (280, 32888), (281, 32891), (285, 32903), (316, 32942), (330, 32975), (362, 33056), (391, 33149), (403, 33185), (406, 33194), (409, 33200), (485, 33425),

Gene: Phayonce_22 Start: 21448, Stop: 22485, Start Num: 81

Candidate Starts for Phayonce_22:

(Start: 81 @21448 has 84 MA's), (157, 21610), (176, 21661), (191, 21697), (202, 21724), (230, 21772), (254, 21829), (290, 21865), (362, 22018), (369, 22054), (396, 22126), (435, 22261), (461, 22315), (486, 22393),

Gene: Phegasus_22 Start: 21305, Stop: 22342, Start Num: 81

Candidate Starts for Phegasus_22:

(71, 21281), (Start: 79 @21302 has 6 MA's), (Start: 81 @21305 has 84 MA's), (90, 21329), (157, 21467), (171, 21509), (200, 21578), (230, 21638), (248, 21683), (288, 21728), (330, 21809), (358, 21866), (363, 21890), (396, 21995), (413, 22067), (431, 22112), (495, 22277),

Gene: Phelemich_32 Start: 32856, Stop: 34361, Start Num: 17

Candidate Starts for Phelemich_32:

(Start: 17 @32856 has 8 MA's), (21, 32895), (32, 32967), (35, 32994), (43, 33045), (46, 33060), (47, 33072), (54, 33102), (Start: 67 @33123 has 1 MA's), (70, 33132), (107, 33234), (Start: 110 @33237 has 87 MA's), (135, 33309), (Start: 160 @33360 has 3 MA's), (170, 33387), (183, 33414), (201, 33465), (213, 33501), (216, 33516), (232, 33555), (238, 33570), (268, 33645), (285, 33690), (287, 33696), (290, 33705), (332, 33777), (339, 33801), (345, 33828), (355, 33867), (364, 33903), (471, 34221), (476, 34227), (505, 34347),

Gene: PhelpsODU_28 Start: 22720, Stop: 23781, Start Num: 111

Candidate Starts for PhelpsODU_28:

(68, 22630), (88, 22687), (Start: 111 @22720 has 58 MA's), (158, 22819), (197, 22927), (202, 22939), (210, 22960), (256, 23056), (307, 23170), (329, 23221), (368, 23338), (449, 23581), (458, 23599), (471, 23638),

Gene: PhenghisKhan_32 Start: 31978, Stop: 33138, Start Num: 62

Candidate Starts for PhenghisKhan_32:

(Start: 62 @31978 has 278 MA's), (Start: 106 @32089 has 1 MA's), (125, 32134), (171, 32233), (194, 32293), (208, 32329), (220, 32353), (241, 32398), (242, 32404), (265, 32455), (280, 32494), (281, 32497), (285, 32509), (316, 32548), (330, 32581), (362, 32662), (391, 32755), (403, 32791), (406, 32800), (409, 32806), (485, 33031),

Gene: Pherdinand_33 Start: 32374, Stop: 33534, Start Num: 62

Candidate Starts for Pherdinand_33:

(Start: 62 @32374 has 278 MA's), (Start: 106 @32485 has 1 MA's), (125, 32530), (171, 32629), (194, 32689), (208, 32725), (220, 32749), (241, 32794), (242, 32800), (265, 32851), (280, 32890), (281, 32893), (285, 32905), (290, 32920), (316, 32944), (330, 32977), (362, 33058), (374, 33103), (391, 33151), (403, 33187), (406, 33196), (409, 33202), (485, 33427),

Gene: Phergie_32 Start: 31969, Stop: 33129, Start Num: 62

Candidate Starts for Phergie_32:

(Start: 62 @31969 has 278 MA's), (Start: 106 @32080 has 1 MA's), (125, 32125), (171, 32224), (194, 32284), (208, 32320), (220, 32344), (241, 32389), (242, 32395), (265, 32446), (280, 32485), (281, 32488), (285, 32500), (316, 32539), (330, 32572), (362, 32653), (391, 32746), (403, 32782), (406, 32791), (409, 32797), (485, 33022),

Gene: Philly_32 Start: 32073, Stop: 33275, Start Num: 66

Candidate Starts for Philly_32:

(Start: 66 @32073 has 84 MA's), (135, 32250), (141, 32259), (148, 32268), (166, 32307), (169, 32316), (176, 32334), (185, 32352), (191, 32370), (192, 32376), (196, 32388), (203, 32406), (208, 32421), (225, 32454), (238, 32481), (256, 32526), (287, 32607), (298, 32634), (317, 32652), (324, 32670), (339, 32712), (344, 32736), (364, 32811), (368, 32841), (391, 32901), (394, 32913), (401, 32931), (425, 33033), (471, 33138), (476, 33144), (479, 33162), (501, 33249),

Gene: Phineas_22 Start: 21670, Stop: 22707, Start Num: 81

Candidate Starts for Phineas_22:

(Start: 81 @21670 has 84 MA's), (157, 21835), (171, 21877), (197, 21943), (200, 21946), (204, 21961), (248, 22048), (288, 22093), (330, 22174), (358, 22231), (363, 22255), (396, 22360), (413, 22432), (431, 22477),

Gene: Phipps_33 Start: 32345, Stop: 33505, Start Num: 62

Candidate Starts for Phipps_33:

(Start: 62 @32345 has 278 MA's), (Start: 106 @32456 has 1 MA's), (125, 32501), (171, 32600), (194, 32660), (208, 32696), (220, 32720), (241, 32765), (242, 32771), (265, 32822), (280, 32861), (281, 32864), (285, 32876), (316, 32915), (330, 32948), (362, 33029), (374, 33074), (391, 33122), (403, 33158), (406, 33167), (409, 33173), (485, 33398),

Gene: Phleuron_32 Start: 31975, Stop: 33135, Start Num: 62

Candidate Starts for Phleuron_32:

(Start: 62 @31975 has 278 MA's), (Start: 106 @32086 has 1 MA's), (125, 32131), (171, 32230), (194, 32290), (208, 32326), (220, 32350), (241, 32395), (242, 32401), (265, 32452), (280, 32491), (281, 32494), (285, 32506), (316, 32545), (330, 32578), (362, 32659), (374, 32704), (391, 32752), (403, 32788), (406, 32797), (409, 32803), (485, 33028),

Gene: Phloss_21 Start: 20203, Stop: 21360, Start Num: 65

Candidate Starts for Phloss_21:

(Start: 65 @20203 has 3 MA's), (95, 20284), (Start: 113 @20332 has 1 MA's), (134, 20392), (140, 20401), (148, 20416), (161, 20440), (170, 20464), (174, 20476), (196, 20536), (202, 20551), (205, 20560), (214, 20584), (221, 20599), (225, 20614), (284, 20698), (285, 20701), (293, 20722), (302, 20743), (305, 20752), (309, 20764), (315, 20773), (409, 21034), (423, 21103), (502, 21337),

Gene: Phlyer_33 Start: 32957, Stop: 34159, Start Num: 66

Candidate Starts for Phlyer_33:

(Start: 66 @32957 has 84 MA's), (Start: 77 @32990 has 10 MA's), (135, 33134), (141, 33143), (148, 33152), (166, 33191), (169, 33200), (176, 33218), (185, 33236), (191, 33254), (192, 33260), (196, 33272), (203, 33290), (208, 33305), (225, 33338), (238, 33365), (256, 33410), (287, 33491), (298, 33518), (317, 33536), (324, 33554), (339, 33596), (368, 33725), (401, 33815), (425, 33917), (452, 33974), (458, 33983), (471, 34022), (489, 34094), (502, 34136),

Gene: Phrank_28 Start: 22670, Stop: 23731, Start Num: 111

Candidate Starts for Phrank_28:

(Start: 111 @22670 has 58 MA's), (145, 22748), (147, 22751), (158, 22769), (197, 22877), (207, 22904), (210, 22910), (256, 23006), (266, 23018), (307, 23120), (329, 23171), (368, 23288), (449, 23531), (458, 23549), (471, 23588),

Gene: PhrankReynolds_32 Start: 31975, Stop: 33135, Start Num: 62

Candidate Starts for PhrankReynolds_32:

(Start: 62 @31975 has 278 MA's), (Start: 106 @32086 has 1 MA's), (125, 32131), (171, 32230), (194, 32290), (208, 32326), (220, 32350), (241, 32395), (242, 32401), (265, 32452), (280, 32491), (281, 32494), (285, 32506), (316, 32545), (330, 32578), (362, 32659), (391, 32752), (403, 32788), (406, 32797), (409, 32803), (485, 33028),

Gene: Phrann_21 Start: 20409, Stop: 21479, Start Num: 79

Candidate Starts for Phrann_21:

(Start: 79 @20409 has 6 MA's), (Start: 81 @20412 has 84 MA's), (157, 20574), (171, 20616), (200, 20685), (230, 20745), (248, 20790), (288, 20835), (326, 20904), (330, 20916), (358, 20973), (363, 20997), (412, 21168),

Gene: PhrodoBaggins_32 Start: 32362, Stop: 33522, Start Num: 62

Candidate Starts for PhrodoBaggins_32:

(Start: 62 @32362 has 278 MA's), (Start: 106 @32473 has 1 MA's), (125, 32518), (171, 32617), (194, 32677), (208, 32713), (220, 32737), (241, 32782), (242, 32788), (265, 32839), (280, 32878), (281, 32881), (285, 32893), (316, 32932), (330, 32965), (362, 33046), (374, 33091), (391, 33139), (403, 33175), (406, 33184), (409, 33190), (485, 33415),

Gene: Phunky_33 Start: 32375, Stop: 33535, Start Num: 62

Candidate Starts for Phunky_33:

(Start: 62 @32375 has 278 MA's), (Start: 106 @32486 has 1 MA's), (125, 32531), (171, 32630), (194, 32690), (208, 32726), (220, 32750), (241, 32795), (242, 32801), (265, 32852), (280, 32891), (281, 32894), (285, 32906), (290, 32921), (316, 32945), (330, 32978), (362, 33059), (374, 33104), (391, 33152), (403, 33188), (406, 33197), (409, 33203), (485, 33428),

Gene: Piatt_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Piatt_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (Start: 160 @23467 has 3 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (396, 23992), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: Piglet_0032 Start: 32482, Stop: 33642, Start Num: 62

Candidate Starts for Piglet_0032:

(Start: 62 @32482 has 278 MA's), (Start: 106 @32593 has 1 MA's), (125, 32638), (171, 32737), (194, 32797), (208, 32833), (220, 32857), (241, 32902), (242, 32908), (265, 32959), (280, 32998), (281, 33001), (285, 33013), (290, 33028), (316, 33052), (330, 33085), (362, 33166), (374, 33211), (391, 33259), (403, 33295), (406, 33304), (409, 33310), (485, 33535),

Gene: Pimento_26 Start: 22790, Stop: 23857, Start Num: 80

Candidate Starts for Pimento_26:

(42, 22655), (Start: 80 @22790 has 6 MA's), (182, 23009), (230, 23111), (248, 23153), (253, 23165), (350, 23309), (358, 23336), (363, 23360), (400, 23483), (421, 23573), (426, 23591),

Gene: PinheadLarry_33 Start: 32088, Stop: 33248, Start Num: 62

Candidate Starts for PinheadLarry_33:

(Start: 62 @32088 has 278 MA's), (Start: 106 @32199 has 1 MA's), (125, 32244), (171, 32343), (194, 32403), (208, 32439), (220, 32463), (241, 32508), (242, 32514), (265, 32565), (280, 32604), (281, 32607), (285, 32619), (316, 32658), (330, 32691), (362, 32772), (374, 32817), (391, 32865), (403, 32901), (406, 32910), (409, 32916), (485, 33141),

Gene: Pinkman_32 Start: 31931, Stop: 33091, Start Num: 62

Candidate Starts for Pinkman_32:

(Start: 62 @31931 has 278 MA's), (Start: 106 @32042 has 1 MA's), (125, 32087), (171, 32186), (194, 32246), (208, 32282), (220, 32306), (241, 32351), (242, 32357), (265, 32408), (280, 32447), (281, 32450), (285, 32462), (290, 32477), (316, 32501), (330, 32534), (362, 32615), (374, 32660), (391, 32708), (403, 32744), (406, 32753), (409, 32759), (485, 32984),

Gene: Pippy_19 Start: 20253, Stop: 21410, Start Num: 63

Candidate Starts for Pippy_19:

(Start: 60 @20250 has 3 MA's), (Start: 63 @20253 has 2 MA's), (95, 20334), (Start: 113 @20382 has 1 MA's), (134, 20442), (140, 20451), (148, 20466), (161, 20490), (170, 20514), (174, 20526), (196, 20586), (202, 20601), (205, 20610), (214, 20634), (225, 20664), (284, 20748), (285, 20751), (293, 20772), (302, 20793), (305, 20802), (309, 20814), (315, 20823), (409, 21084), (423, 21153), (502, 21387),

Gene: Pipsqueak_33 Start: 32373, Stop: 33533, Start Num: 62

Candidate Starts for Pipsqueak_33:

(Start: 62 @32373 has 278 MA's), (Start: 106 @32484 has 1 MA's), (125, 32529), (171, 32628), (194, 32688), (208, 32724), (220, 32748), (241, 32793), (242, 32799), (265, 32850), (280, 32889), (281, 32892), (285, 32904), (290, 32919), (316, 32943), (330, 32976), (362, 33057), (374, 33102), (391, 33150), (403, 33186), (406, 33195), (409, 33201), (485, 33426),

Gene: Pixie_28 Start: 23724, Stop: 24788, Start Num: 111

Candidate Starts for Pixie_28:

(8, 23172), (10, 23238), (12, 23301), (13, 23313), (14, 23334), (18, 23376), (41, 23535), (68, 23634), (88, 23691), (Start: 111 @23724 has 58 MA's), (170, 23856), (171, 23862), (197, 23931), (201, 23937), (230, 23997), (239, 24018), (244, 24033), (282, 24111), (362, 24303), (368, 24339), (387, 24387), (401, 24429), (438, 24555),

Gene: Placalicious_32 Start: 32066, Stop: 33226, Start Num: 62

Candidate Starts for Placalicious_32:

(Start: 62 @32066 has 278 MA's), (Start: 106 @32177 has 1 MA's), (125, 32222), (171, 32321), (194, 32381), (208, 32417), (220, 32441), (241, 32486), (242, 32492), (265, 32543), (280, 32582), (281, 32585), (285, 32597), (290, 32612), (316, 32636), (330, 32669), (362, 32750), (374, 32795), (391, 32843), (403, 32879), (406, 32888), (409, 32894), (485, 33119),

Gene: Plmatters_33 Start: 32372, Stop: 33532, Start Num: 62

Candidate Starts for Plmatters_33:

(Start: 62 @32372 has 278 MA's), (Start: 106 @32483 has 1 MA's), (125, 32528), (171, 32627), (194, 32687), (208, 32723), (220, 32747), (241, 32792), (242, 32798), (265, 32849), (280, 32888), (281, 32891), (285, 32903), (316, 32942), (330, 32975), (362, 33056), (374, 33101), (391, 33149), (403, 33185), (406, 33194), (409, 33200), (485, 33425),

Gene: Podrick_33 Start: 32363, Stop: 33523, Start Num: 62

Candidate Starts for Podrick_33:

(Start: 62 @32363 has 278 MA's), (Start: 106 @32474 has 1 MA's), (125, 32519), (171, 32618), (194, 32678), (208, 32714), (220, 32738), (241, 32783), (242, 32789), (265, 32840), (280, 32879), (281, 32882), (285, 32894), (316, 32933), (330, 32966), (362, 33047), (374, 33092), (391, 33140), (403, 33176), (406, 33185), (409, 33191), (485, 33416),

Gene: Pokerus_27 Start: 23273, Stop: 24286, Start Num: 110

Candidate Starts for Pokerus_27:

(11, 22829), (87, 23228), (Start: 110 @23273 has 87 MA's), (Start: 160 @23384 has 3 MA's), (202, 23498), (256, 23615), (276, 23657), (283, 23669), (331, 23723), (362, 23801), (391, 23897), (396, 23909), (405, 23939), (409, 23948), (443, 24062), (471, 24131),

Gene: Polkaroo_22 Start: 21315, Stop: 22352, Start Num: 81

Candidate Starts for Polkaroo_22:

(71, 21291), (Start: 79 @21312 has 6 MA's), (Start: 81 @21315 has 84 MA's), (90, 21339), (157, 21477), (171, 21519), (200, 21588), (230, 21648), (248, 21693), (288, 21738), (330, 21819), (358, 21876), (363, 21900), (396, 22005), (413, 22077), (431, 22122), (495, 22287),

Gene: Pops_33 Start: 32387, Stop: 33547, Start Num: 62

Candidate Starts for Pops_33:

(Start: 62 @32387 has 278 MA's), (Start: 106 @32498 has 1 MA's), (125, 32543), (171, 32642), (194, 32702), (208, 32738), (220, 32762), (241, 32807), (242, 32813), (265, 32864), (280, 32903), (281, 32906), (285, 32918), (290, 32933), (316, 32957), (330, 32990), (362, 33071), (374, 33116), (391, 33164), (403, 33200), (406, 33209), (409, 33215), (485, 33440),

Gene: Poster_29 Start: 31578, Stop: 32735, Start Num: 66

Candidate Starts for Poster_29:

(Start: 66 @31578 has 84 MA's), (102, 31671), (Start: 106 @31686 has 1 MA's), (114, 31701), (118, 31713), (125, 31731), (169, 31821), (190, 31872), (192, 31881), (193, 31887), (199, 31899), (208, 31926), (221, 31941), (225, 31947), (227, 31953), (244, 31986), (249, 31995), (267, 32028), (284, 32061), (332, 32151), (339, 32157), (363, 32256), (364, 32259), (409, 32403), (459, 32556),

Gene: Potter_32 Start: 32087, Stop: 33247, Start Num: 62

Candidate Starts for Potter_32:

(Start: 62 @32087 has 278 MA's), (Start: 106 @32198 has 1 MA's), (125, 32243), (171, 32342), (194, 32402), (208, 32438), (220, 32462), (241, 32507), (242, 32513), (265, 32564), (280, 32603), (281, 32606), (285, 32618), (316, 32657), (330, 32690), (362, 32771), (391, 32864), (403, 32900), (406, 32909), (409, 32915), (485, 33140),

Gene: Prickles_33 Start: 32363, Stop: 33523, Start Num: 62

Candidate Starts for Prickles_33:

(Start: 62 @32363 has 278 MA's), (Start: 106 @32474 has 1 MA's), (125, 32519), (171, 32618), (194, 32678), (208, 32714), (220, 32738), (241, 32783), (242, 32789), (265, 32840), (280, 32879), (281, 32882), (285, 32894), (290, 32909), (316, 32933), (330, 32966), (362, 33047), (374, 33092), (391, 33140), (403, 33176), (406, 33185), (409, 33191), (485, 33416),

Gene: Prince_31 Start: 32761, Stop: 33918, Start Num: 66

Candidate Starts for Prince_31:

(Start: 66 @32761 has 84 MA's), (102, 32854), (Start: 106 @32869 has 1 MA's), (114, 32884), (118, 32896), (125, 32914), (150, 32956), (169, 33004), (190, 33055), (192, 33064), (199, 33082), (208, 33109), (221, 33124), (225, 33130), (227, 33136), (232, 33142), (244, 33169), (249, 33178), (267, 33211), (284, 33244), (320, 33304), (332, 33334), (339, 33340), (351, 33385), (363, 33439), (364, 33442), (409, 33586), (459, 33739),

Gene: Prithvi_28 Start: 23290, Stop: 24303, Start Num: 110

Candidate Starts for Prithvi_28:

(87, 23245), (Start: 110 @23290 has 87 MA's), (Start: 160 @23401 has 3 MA's), (202, 23515), (256, 23632), (276, 23674), (283, 23686), (331, 23740), (362, 23818), (387, 23902), (391, 23914), (396, 23926), (409, 23965), (497, 24244),

Gene: ProfessorX_33 Start: 32358, Stop: 33518, Start Num: 62

Candidate Starts for ProfessorX_33:

(Start: 62 @32358 has 278 MA's), (Start: 106 @32469 has 1 MA's), (125, 32514), (171, 32613), (194, 32673), (208, 32709), (220, 32733), (241, 32778), (242, 32784), (265, 32835), (280, 32874), (281, 32877), (285, 32889), (316, 32928), (330, 32961), (362, 33042), (374, 33087), (391, 33135), (403, 33171), (406, 33180), (409, 33186), (485, 33411),

Gene: Psycho_28 Start: 24008, Stop: 25072, Start Num: 81

Candidate Starts for Psycho_28:

(Start: 81 @24008 has 84 MA's), (119, 24098), (131, 24128), (Start: 160 @24182 has 3 MA's), (162, 24188), (182, 24236), (196, 24275), (203, 24293), (204, 24296), (245, 24377), (288, 24425), (296, 24443), (363, 24584), (389, 24674), (390, 24677), (391, 24680), (402, 24713), (406, 24725), (426, 24812), (427, 24815), (472, 24911), (498, 25028),

Gene: Puhltonio_33 Start: 32379, Stop: 33539, Start Num: 62

Candidate Starts for Puhltonio_33:

(Start: 62 @32379 has 278 MA's), (Start: 106 @32490 has 1 MA's), (125, 32535), (171, 32634), (194, 32694), (208, 32730), (220, 32754), (241, 32799), (242, 32805), (265, 32856), (280, 32895), (281, 32898), (285, 32910), (316, 32949), (330, 32982), (362, 33063), (374, 33108), (391, 33156), (403, 33192), (406, 33201), (409, 33207), (485, 33432),

Gene: Purgamenstris_21 Start: 19877, Stop: 21031, Start Num: 66

Candidate Starts for Purgamenstris_21:

(20, 19640), (25, 19682), (30, 19712), (34, 19742), (44, 19802), (55, 19856), (Start: 66 @19877 has 84 MA's), (88, 19940), (95, 19958), (Start: 113 @20006 has 1 MA's), (134, 20066), (140, 20075), (148, 20090), (161, 20114), (170, 20138), (174, 20150), (202, 20225), (205, 20234), (214, 20258), (225, 20288), (244, 20333), (246, 20336), (249, 20342), (284, 20372), (285, 20375), (293, 20396), (362, 20555), (388, 20645), (391, 20654), (401, 20684), (409, 20705), (502, 21008),

Gene: Purky_22 Start: 21124, Stop: 22170, Start Num: 81

Candidate Starts for Purky_22:

(Start: 81 @21124 has 84 MA's), (176, 21337), (230, 21448), (248, 21490), (249, 21493), (300, 21562), (362, 21694), (369, 21730), (408, 21838), (461, 21991), (463, 22000), (468, 22012),

Gene: QueenBeane_33 Start: 32369, Stop: 33529, Start Num: 62

Candidate Starts for QueenBeane_33:

(Start: 62 @32369 has 278 MA's), (Start: 106 @32480 has 1 MA's), (125, 32525), (171, 32624), (194, 32684), (208, 32720), (220, 32744), (241, 32789), (242, 32795), (265, 32846), (280, 32885), (281, 32888), (285, 32900), (290, 32915), (316, 32939), (330, 32972), (362, 33053), (374, 33098), (391, 33146), (403, 33182), (406, 33191), (409, 33197), (485, 33422),

Gene: QueenHazel_22 Start: 21423, Stop: 22634, Start Num: 66

Candidate Starts for QueenHazel_22:

(20, 21186), (25, 21228), (34, 21288), (44, 21348), (55, 21402), (Start: 66 @21423 has 84 MA's), (95, 21504), (Start: 113 @21552 has 1 MA's), (134, 21612), (140, 21621), (148, 21636), (161, 21660), (170, 21684), (174, 21696), (189, 21732), (202, 21771), (205, 21780), (214, 21804), (225, 21834), (261, 21918), (263, 21921), (270, 21942), (284, 21978), (285, 21981), (293, 22002), (309, 22044), (362, 22161), (372, 22197), (377, 22203), (409, 22308), (427, 22389),

Gene: Quesadilla_32 Start: 33335, Stop: 34516, Start Num: 58

Candidate Starts for Quesadilla_32:

(48, 33302), (Start: 58 @33335 has 8 MA's), (Start: 106 @33452 has 1 MA's), (114, 33467), (Start: 116 @33473 has 2 MA's), (142, 33533), (166, 33581), (174, 33605), (192, 33650), (206, 33689), (210, 33701), (215, 33710), (225, 33728), (244, 33770), (250, 33785), (266, 33824), (268, 33830), (285,

33875), (288, 33881), (321, 33926), (365, 34028),

Gene: QuincyRose_27 Start: 23336, Stop: 24349, Start Num: 110

Candidate Starts for QuincyRose_27:

(11, 22892), (87, 23291), (Start: 110 @23336 has 87 MA's), (Start: 160 @23447 has 3 MA's), (202, 23561), (256, 23678), (276, 23720), (283, 23732), (324, 23771), (331, 23786), (362, 23864), (387, 23948), (391, 23960), (396, 23972), (409, 24011), (443, 24125), (471, 24194),

Gene: Quisquilliae_33 Start: 32397, Stop: 33557, Start Num: 62

Candidate Starts for Quisquilliae_33:

(Start: 62 @32397 has 278 MA's), (Start: 106 @32508 has 1 MA's), (125, 32553), (171, 32652), (194, 32712), (208, 32748), (220, 32772), (241, 32817), (242, 32823), (265, 32874), (280, 32913), (281, 32916), (285, 32928), (316, 32967), (330, 33000), (362, 33081), (374, 33126), (391, 33174), (403, 33210), (406, 33219), (409, 33225), (485, 33450),

Gene: Qyrzula_31 Start: 32776, Stop: 33981, Start Num: 62

Candidate Starts for Qyrzula_31:

(31, 32632), (Start: 57 @32773 has 11 MA's), (Start: 62 @32776 has 278 MA's), (90, 32845), (118, 32914), (128, 32944), (135, 32956), (139, 32962), (141, 32965), (148, 32974), (166, 33013), (169, 33022), (172, 33034), (194, 33091), (203, 33112), (208, 33127), (232, 33172), (238, 33187), (256, 33232), (283, 33301), (293, 33328), (312, 33352), (333, 33397), (339, 33418), (344, 33442), (364, 33517), (368, 33547), (391, 33607), (394, 33619), (401, 33637), (425, 33739), (471, 33844), (476, 33850), (479, 33868), (491, 33919), (501, 33955),

Gene: RagingRooster_33 Start: 32223, Stop: 33425, Start Num: 66

Candidate Starts for RagingRooster_33:

(Start: 66 @32223 has 84 MA's), (Start: 77 @32256 has 10 MA's), (135, 32400), (141, 32409), (148, 32418), (166, 32457), (169, 32466), (176, 32484), (185, 32502), (191, 32520), (192, 32526), (196, 32538), (203, 32556), (208, 32571), (225, 32604), (238, 32631), (256, 32676), (287, 32757), (298, 32784), (317, 32802), (324, 32820), (339, 32862), (344, 32886), (364, 32961), (368, 32991), (391, 33051), (394, 33063), (401, 33081), (425, 33183), (471, 33288), (476, 33294), (479, 33312), (501, 33399),

Gene: Ramen_28 Start: 23322, Stop: 24335, Start Num: 110

Candidate Starts for Ramen_28:

(11, 22878), (87, 23277), (Start: 110 @23322 has 87 MA's), (Start: 160 @23433 has 3 MA's), (202, 23547), (256, 23664), (276, 23706), (283, 23718), (331, 23772), (362, 23850), (391, 23946), (405, 23988), (409, 23997), (443, 24111), (471, 24180),

Gene: Rando14_28 Start: 22698, Stop: 23777, Start Num: 81

Candidate Starts for Rando14_28:

(Start: 81 @22698 has 84 MA's), (88, 22716), (131, 22818), (Start: 160 @22872 has 3 MA's), (161, 22875), (162, 22878), (182, 22926), (194, 22962), (196, 22965), (197, 22968), (210, 23001), (284, 23103), (288, 23115), (293, 23127), (296, 23133), (301, 23145), (308, 23166), (353, 23244), (364, 23286), (380, 23328), (389, 23373), (425, 23502),

Gene: Rapunzel97_28 Start: 23323, Stop: 24336, Start Num: 110

Candidate Starts for Rapunzel97_28:

(11, 22879), (27, 23026), (87, 23278), (Start: 110 @23323 has 87 MA's), (Start: 160 @23434 has 3 MA's), (202, 23548), (256, 23665), (276, 23707), (283, 23719), (331, 23773), (362, 23851), (391, 23947), (396, 23959), (405, 23989), (409, 23998), (443, 24112), (471, 24181),

Gene: RawrgerThat_30 Start: 32607, Stop: 33764, Start Num: 66

Candidate Starts for RawrgerThat_30:

(Start: 66 @32607 has 84 MA's), (102, 32700), (Start: 106 @32715 has 1 MA's), (114, 32730), (118, 32742), (125, 32760), (150, 32802), (190, 32901), (192, 32910), (199, 32928), (208, 32955), (221, 32970), (225, 32976), (227, 32982), (232, 32988), (244, 33015), (249, 33024), (267, 33057), (284, 33090), (332, 33180), (339, 33186), (363, 33285), (364, 33288), (409, 33432), (459, 33585),

Gene: Raymond7_21 Start: 20415, Stop: 21500, Start Num: 81

Candidate Starts for Raymond7_21:

(Start: 81 @20415 has 84 MA's), (157, 20577), (200, 20688), (202, 20697), (204, 20703), (230, 20748), (248, 20793), (330, 20919), (335, 20928), (358, 20976),

Gene: Rebel_21 Start: 19868, Stop: 20905, Start Num: 80

Candidate Starts for Rebel_21:

(26, 19631), (33, 19673), (37, 19703), (42, 19733), (50, 19793), (72, 19847), (Start: 80 @19868 has 6 MA's), (157, 20030), (171, 20072), (200, 20141), (230, 20201), (248, 20246), (288, 20291), (326, 20360), (358, 20429), (363, 20453), (396, 20558), (413, 20630), (431, 20675),

Gene: RedMaple_32 Start: 32376, Stop: 33536, Start Num: 62

Candidate Starts for RedMaple_32:

(Start: 62 @32376 has 278 MA's), (Start: 106 @32487 has 1 MA's), (125, 32532), (171, 32631), (194, 32691), (208, 32727), (220, 32751), (241, 32796), (242, 32802), (265, 32853), (280, 32892), (281, 32895), (285, 32907), (316, 32946), (330, 32979), (362, 33060), (374, 33105), (391, 33153), (403, 33189), (406, 33198), (409, 33204), (485, 33429),

Gene: Redi_21 Start: 19877, Stop: 21031, Start Num: 66

Candidate Starts for Redi_21:

(20, 19640), (25, 19682), (30, 19712), (34, 19742), (44, 19802), (55, 19856), (Start: 66 @19877 has 84 MA's), (88, 19940), (95, 19958), (Start: 113 @20006 has 1 MA's), (134, 20066), (140, 20075), (148, 20090), (161, 20114), (170, 20138), (174, 20150), (202, 20225), (205, 20234), (214, 20258), (225, 20288), (244, 20333), (246, 20336), (249, 20342), (284, 20372), (285, 20375), (293, 20396), (362, 20555), (388, 20645), (391, 20654), (401, 20684), (409, 20705), (502, 21008),

Gene: Rem711_30 Start: 25189, Stop: 26352, Start Num: 67

Candidate Starts for Rem711_30:

(Start: 67 @25189 has 1 MA's), (178, 25450), (200, 25510), (217, 25555), (229, 25573), (243, 25609), (288, 25717), (294, 25732), (336, 25789), (389, 25951), (429, 26101),

Gene: Reprobate_32 Start: 32861, Stop: 34366, Start Num: 17

Candidate Starts for Reprobate_32:

(Start: 17 @32861 has 8 MA's), (21, 32900), (32, 32972), (35, 32999), (43, 33050), (46, 33065), (47, 33077), (54, 33107), (Start: 67 @33128 has 1 MA's), (70, 33137), (107, 33239), (Start: 110 @33242 has 87 MA's), (135, 33314), (Start: 160 @33365 has 3 MA's), (170, 33392), (183, 33419), (201, 33470), (213, 33506), (216, 33521), (232, 33560), (238, 33575), (268, 33650), (285, 33695), (287, 33701), (290, 33710), (332, 33782), (339, 33806), (345, 33833), (355, 33872), (364, 33908), (471, 34226), (476, 34232), (505, 34352),

Gene: Reptar3000_29 Start: 24320, Stop: 25324, Start Num: 111

Candidate Starts for Reptar3000_29:

(Start: 111 @24320 has 58 MA's), (185, 24488), (201, 24533), (202, 24539), (230, 24593), (235, 24602), (269, 24683), (278, 24704), (283, 24713), (362, 24845), (363, 24848), (406, 24986), (420, 25055), (494, 25259),

Gene: Rhinoforte_33 Start: 32804, Stop: 33967, Start Num: 62

Candidate Starts for Rhinoforte_33:

(29, 32657), (Start: 57 @32798 has 11 MA's), (Start: 62 @32804 has 278 MA's), (78, 32843), (91, 32873), (Start: 106 @32918 has 1 MA's), (125, 32963), (171, 33062), (194, 33122), (208, 33158), (220, 33182), (241, 33227), (242, 33233), (265, 33284), (280, 33323), (281, 33326), (285, 33338), (290, 33353), (316, 33377), (330, 33410), (362, 33491), (374, 33536), (391, 33584), (403, 33620), (406, 33629), (409, 33635), (420, 33695), (485, 33860),

Gene: Rich_31 Start: 32367, Stop: 33872, Start Num: 17

Candidate Starts for Rich_31:

(Start: 17 @32367 has 8 MA's), (18, 32385), (21, 32406), (28, 32460), (32, 32478), (39, 32529), (43, 32556), (46, 32571), (Start: 160 @32871 has 3 MA's), (170, 32898), (183, 32925), (205, 32991), (213, 33012), (216, 33027), (232, 33066), (268, 33156), (278, 33183), (282, 33192), (290, 33216), (339, 33312), (345, 33339), (355, 33378), (364, 33414), (401, 33537), (430, 33642), (476, 33738), (479, 33756), (505, 33858),

Gene: Ricotta_33 Start: 32096, Stop: 33256, Start Num: 62

Candidate Starts for Ricotta_33:

(Start: 62 @32096 has 278 MA's), (Start: 106 @32207 has 1 MA's), (125, 32252), (171, 32351), (194, 32411), (208, 32447), (220, 32471), (241, 32516), (242, 32522), (265, 32573), (280, 32612), (281, 32615), (285, 32627), (290, 32642), (316, 32666), (330, 32699), (362, 32780), (374, 32825), (391, 32873), (403, 32909), (406, 32918), (409, 32924), (485, 33149),

Gene: Riggan_33 Start: 32356, Stop: 33516, Start Num: 62

Candidate Starts for Riggan_33:

(Start: 62 @32356 has 278 MA's), (Start: 106 @32467 has 1 MA's), (125, 32512), (171, 32611), (194, 32671), (208, 32707), (220, 32731), (241, 32776), (242, 32782), (265, 32833), (280, 32872), (281, 32875), (285, 32887), (316, 32926), (330, 32959), (362, 33040), (374, 33085), (391, 33133), (403, 33169), (406, 33178), (409, 33184), (485, 33409),

Gene: Rimu_34 Start: 32105, Stop: 33265, Start Num: 62

Candidate Starts for Rimu_34:

(Start: 62 @32105 has 278 MA's), (Start: 106 @32216 has 1 MA's), (125, 32261), (171, 32360), (194, 32420), (208, 32456), (220, 32480), (241, 32525), (242, 32531), (265, 32582), (280, 32621), (281, 32624), (285, 32636), (290, 32651), (316, 32675), (330, 32708), (362, 32789), (374, 32834), (391, 32882), (403, 32918), (406, 32927), (409, 32933), (485, 33158),

Gene: Rita1961_33 Start: 32206, Stop: 33408, Start Num: 66

Candidate Starts for Rita1961_33:

(Start: 66 @32206 has 84 MA's), (Start: 77 @32239 has 10 MA's), (135, 32383), (141, 32392), (148, 32401), (166, 32440), (169, 32449), (176, 32467), (194, 32518), (199, 32527), (203, 32539), (205, 32545), (208, 32554), (232, 32599), (238, 32614), (256, 32659), (283, 32728), (288, 32743), (293, 32755), (312, 32779), (335, 32827), (337, 32833), (338, 32839), (339, 32845), (344, 32869), (364, 32944), (368, 32974), (391, 33034), (394, 33046), (401, 33064), (424, 33163), (425, 33166), (471, 33271), (476, 33277), (479, 33295), (501, 33382),

Gene: Robyn_32 Start: 31940, Stop: 33100, Start Num: 62

Candidate Starts for Robyn_32:

(Start: 62 @31940 has 278 MA's), (Start: 106 @32051 has 1 MA's), (125, 32096), (171, 32195), (194, 32255), (208, 32291), (220, 32315), (241, 32360), (242, 32366), (265, 32417), (280, 32456), (281, 32459), (285, 32471), (316, 32510), (330, 32543), (362, 32624), (374, 32669), (391, 32717), (403, 32753), (406, 32762), (409, 32768), (485, 32993),

Gene: Roliet_33 Start: 32365, Stop: 33525, Start Num: 62

Candidate Starts for Roliet_33:

(Start: 62 @32365 has 278 MA's), (Start: 106 @32476 has 1 MA's), (125, 32521), (171, 32620), (194, 32680), (208, 32716), (220, 32740), (241, 32785), (242, 32791), (265, 32842), (280, 32881), (281, 32884), (285, 32896), (290, 32911), (316, 32935), (330, 32968), (362, 33049), (374, 33094), (391, 33142), (403, 33178), (406, 33187), (409, 33193), (485, 33418),

Gene: RomaT_33 Start: 32996, Stop: 34198, Start Num: 66

Candidate Starts for RomaT_33:

(Start: 66 @32996 has 84 MA's), (Start: 77 @33029 has 10 MA's), (135, 33173), (141, 33182), (148, 33191), (166, 33230), (169, 33239), (176, 33257), (185, 33275), (191, 33293), (192, 33299), (196, 33311), (203, 33329), (208, 33344), (225, 33377), (238, 33404), (256, 33449), (287, 33530), (298, 33557), (317, 33575), (324, 33593), (339, 33635), (344, 33659), (364, 33734), (368, 33764), (391, 33824), (394, 33836), (401, 33854), (425, 33956), (471, 34061), (476, 34067), (479, 34085), (501, 34172),

Gene: Roscoe_34 Start: 32603, Stop: 33763, Start Num: 62

Candidate Starts for Roscoe_34:

(Start: 62 @32603 has 278 MA's), (Start: 106 @32714 has 1 MA's), (125, 32759), (171, 32858), (194, 32918), (208, 32954), (220, 32978), (241, 33023), (242, 33029), (265, 33080), (280, 33119), (281, 33122), (285, 33134), (316, 33173), (330, 33206), (362, 33287), (374, 33332), (391, 33380), (403, 33416), (406, 33425), (409, 33431), (485, 33656),

Gene: Rose5_21 Start: 21688, Stop: 22860, Start Num: 64

Candidate Starts for Rose5_21:

(Start: 61 @21685 has 5 MA's), (Start: 64 @21688 has 31 MA's), (Start: 116 @21814 has 2 MA's), (133, 21856), (139, 21868), (142, 21871), (Start: 160 @21904 has 3 MA's), (165, 21916), (185, 21964), (191, 21982), (203, 22018), (208, 22033), (236, 22084), (246, 22114), (264, 22156), (277, 22180), (310, 22216), (314, 22222), (327, 22249), (340, 22267), (364, 22360), (365, 22363), (389, 22447), (428, 22585), (440, 22603), (471, 22687),

Gene: Rosebush_33 Start: 32811, Stop: 33974, Start Num: 62

Candidate Starts for Rosebush_33:

(29, 32664), (Start: 57 @32805 has 11 MA's), (Start: 62 @32811 has 278 MA's), (78, 32850), (91, 32880), (Start: 106 @32925 has 1 MA's), (125, 32970), (171, 33069), (194, 33129), (208, 33165), (220, 33189), (241, 33234), (242, 33240), (265, 33291), (280, 33330), (281, 33333), (285, 33345), (290, 33360), (316, 33384), (330, 33417), (362, 33498), (391, 33591), (403, 33627), (406, 33636), (409, 33642), (420, 33702), (485, 33867),

Gene: Rosmarinus_28 Start: 23344, Stop: 24357, Start Num: 110

Candidate Starts for Rosmarinus_28:

(11, 22900), (87, 23299), (Start: 110 @23344 has 87 MA's), (202, 23569), (256, 23686), (276, 23728), (283, 23740), (331, 23794), (362, 23872), (391, 23968), (405, 24010), (409, 24019), (443, 24133), (471, 24202),

Gene: Roy17_33 Start: 32069, Stop: 33229, Start Num: 62

Candidate Starts for Roy17_33:

(Start: 62 @32069 has 278 MA's), (Start: 106 @32180 has 1 MA's), (125, 32225), (171, 32324), (194, 32384), (208, 32420), (220, 32444), (241, 32489), (242, 32495), (265, 32546), (280, 32585), (281, 32588), (285, 32600), (290, 32615), (316, 32639), (330, 32672), (362, 32753), (374, 32798), (391, 32846), (403, 32882), (406, 32891), (409, 32897), (485, 33122),

Gene: Rubeelu_22 Start: 19998, Stop: 21038, Start Num: 80

Candidate Starts for Rubeelu_22:

(53, 19932), (Start: 80 @19998 has 6 MA's), (153, 20157), (157, 20163), (197, 20271), (200, 20274), (204, 20289), (248, 20379), (288, 20424), (330, 20505), (358, 20562), (363, 20586), (389, 20673), (396, 20691), (413, 20763), (431, 20808), (495, 20973),

Gene: Ruthiejr_29 Start: 24262, Stop: 25296, Start Num: 80

Candidate Starts for Ruthiejr_29:

(53, 24196), (Start: 80 @24262 has 6 MA's), (153, 24418), (156, 24421), (171, 24466), (176, 24475), (204, 24550), (248, 24637), (288, 24682), (330, 24763), (358, 24820), (363, 24844), (396, 24949), (413, 25021), (441, 25081), (495, 25231),

Gene: SDcharge11_33 Start: 32343, Stop: 33503, Start Num: 62

Candidate Starts for SDcharge11_33:

(Start: 62 @32343 has 278 MA's), (Start: 106 @32454 has 1 MA's), (125, 32499), (171, 32598), (194, 32658), (208, 32694), (220, 32718), (241, 32763), (242, 32769), (265, 32820), (280, 32859), (281, 32862), (285, 32874), (290, 32889), (316, 32913), (330, 32946), (362, 33027), (374, 33072), (391, 33120), (403, 33156), (406, 33165), (409, 33171), (485, 33396),

Gene: Sabella_33 Start: 32688, Stop: 33851, Start Num: 62

Candidate Starts for Sabella_33:

(29, 32541), (Start: 57 @32682 has 11 MA's), (Start: 62 @32688 has 278 MA's), (78, 32727), (91, 32757), (Start: 106 @32802 has 1 MA's), (125, 32847), (171, 32946), (194, 33006), (208, 33042), (220, 33066), (241, 33111), (242, 33117), (265, 33168), (280, 33207), (281, 33210), (285, 33222), (290, 33237), (316, 33261), (330, 33294), (362, 33375), (391, 33468), (403, 33504), (406, 33513), (409, 33519), (485, 33744),

Gene: Saguaro_32 Start: 33436, Stop: 34548, Start Num: 58

Candidate Starts for Saguaro_32:

(22, 33223), (48, 33406), (Start: 58 @33436 has 8 MA's), (Start: 106 @33550 has 1 MA's), (118, 33577), (130, 33610), (139, 33625), (142, 33631), (166, 33679), (169, 33688), (195, 33757), (203, 33778), (211, 33802), (215, 33808), (249, 33883), (251, 33889), (258, 33907), (262, 33916), (266, 33925), (268, 33931), (347, 34051), (424, 34303), (475, 34411), (476, 34417),

Gene: SamScheppers_27 Start: 24552, Stop: 25625, Start Num: 79

Candidate Starts for SamScheppers_27:

(Start: 79 @24552 has 6 MA's), (Start: 81 @24555 has 84 MA's), (187, 24795), (200, 24831), (202, 24840), (204, 24846), (230, 24891), (248, 24936), (255, 24954), (288, 24981), (330, 25062), (358, 25119), (363, 25143),

Gene: Samaymay_33 Start: 32369, Stop: 33529, Start Num: 62

Candidate Starts for Samaymay_33:

(Start: 62 @32369 has 278 MA's), (Start: 106 @32480 has 1 MA's), (125, 32525), (171, 32624), (194, 32684), (208, 32720), (220, 32744), (241, 32789), (242, 32795), (265, 32846), (280, 32885), (281, 32888), (285, 32900), (290, 32915), (316, 32939), (330, 32972), (362, 33053), (374, 33098), (391, 33146), (403, 33182), (406, 33191), (409, 33197), (485, 33422),

Gene: Samty_22 Start: 22250, Stop: 23467, Start Num: 64

Candidate Starts for Samty_22:

(Start: 64 @22250 has 31 MA's), (105, 22352), (Start: 111 @22364 has 58 MA's), (118, 22382), (121, 22391), (139, 22430), (Start: 160 @22466 has 3 MA's), (166, 22481), (168, 22487), (181, 22517), (183, 22520), (193, 22556), (199, 22568), (219, 22619), (221, 22622), (249, 22682), (259, 22709), (266, 22724), (268, 22730), (273, 22742), (299, 22802), (321, 22826), (340, 22886), (363, 22982), (370, 23015), (394, 23087), (403, 23111), (409, 23126), (479, 23339), (484, 23351),

Gene: SamuelLPlaqson_28 Start: 23284, Stop: 24297, Start Num: 110

Candidate Starts for SamuelLPlaqson_28:

(87, 23239), (Start: 110 @23284 has 87 MA's), (Start: 160 @23395 has 3 MA's), (202, 23509), (256, 23626), (276, 23668), (283, 23680), (331, 23734), (362, 23812), (391, 23908), (396, 23920), (409, 23959), (414, 23995), (471, 24142), (497, 24238),

Gene: Sarma624_20 Start: 20090, Stop: 21244, Start Num: 66

Candidate Starts for Sarma624_20:

(Start: 60 @20087 has 3 MA's), (Start: 66 @20090 has 84 MA's), (Start: 113 @20219 has 1 MA's), (123, 20249), (134, 20279), (140, 20288), (148, 20303), (161, 20327), (170, 20351), (174, 20363), (202, 20438), (205, 20447), (214, 20471), (225, 20501), (284, 20585), (285, 20588), (293, 20609), (388, 20858), (391, 20867), (401, 20897), (409, 20918), (423, 20987), (502, 21221),

Gene: SassyCat97_32 Start: 32075, Stop: 33235, Start Num: 62

Candidate Starts for SassyCat97_32:

(Start: 62 @32075 has 278 MA's), (Start: 106 @32186 has 1 MA's), (125, 32231), (171, 32330), (194, 32390), (208, 32426), (220, 32450), (241, 32495), (242, 32501), (265, 32552), (280, 32591), (281, 32594), (285, 32606), (316, 32645), (330, 32678), (362, 32759), (374, 32804), (391, 32852), (403, 32888), (406, 32897), (409, 32903), (485, 33128),

Gene: Scarlett_27 Start: 22586, Stop: 23545, Start Num: 111

Candidate Starts for Scarlett_27:

(Start: 111 @22586 has 58 MA's), (181, 22748), (184, 22754), (191, 22775), (192, 22781), (207, 22823), (234, 22868), (250, 22910), (256, 22925), (331, 23033), (364, 23117), (466, 23393),

Gene: Schadenfreude_32 Start: 31926, Stop: 33086, Start Num: 62

Candidate Starts for Schadenfreude_32:

(Start: 62 @31926 has 278 MA's), (Start: 106 @32037 has 1 MA's), (125, 32082), (171, 32181), (194, 32241), (208, 32277), (220, 32301), (241, 32346), (242, 32352), (265, 32403), (280, 32442), (281, 32445), (285, 32457), (316, 32496), (330, 32529), (362, 32610), (374, 32655), (391, 32703), (403, 32739), (406, 32748), (409, 32754), (485, 32979),

Gene: Schueller_33 Start: 32091, Stop: 33251, Start Num: 62

Candidate Starts for Schueller_33:

(Start: 62 @32091 has 278 MA's), (Start: 106 @32202 has 1 MA's), (125, 32247), (171, 32346), (194, 32406), (208, 32442), (220, 32466), (241, 32511), (242, 32517), (265, 32568), (280, 32607), (281, 32610), (285, 32622), (316, 32661), (330, 32694), (362, 32775), (374, 32820), (391, 32868), (403, 32904), (406, 32913), (409, 32919), (485, 33144),

Gene: Scitech_21 Start: 20194, Stop: 21228, Start Num: 81

Candidate Starts for Scitech_21:

(Start: 81 @20194 has 84 MA's), (153, 20350), (157, 20356), (197, 20464), (200, 20467), (204, 20482), (248, 20569), (288, 20614), (330, 20695), (358, 20752), (363, 20776), (396, 20881), (413, 20953), (431, 20998),

Gene: Scoot17C_33 Start: 32368, Stop: 33528, Start Num: 62

Candidate Starts for Scoot17C_33:

(Start: 62 @32368 has 278 MA's), (Start: 106 @32479 has 1 MA's), (125, 32524), (171, 32623), (194, 32683), (208, 32719), (220, 32743), (241, 32788), (242, 32794), (265, 32845), (280, 32884), (281, 32887), (285, 32899), (290, 32914), (316, 32938), (330, 32971), (362, 33052), (374, 33097), (391, 33145), (403, 33181), (406, 33190), (409, 33196), (485, 33421),

Gene: Scrick_33 Start: 32093, Stop: 33253, Start Num: 62

Candidate Starts for Scrick_33:

(Start: 62 @32093 has 278 MA's), (Start: 106 @32204 has 1 MA's), (125, 32249), (171, 32348), (194, 32408), (208, 32444), (220, 32468), (241, 32513), (242, 32519), (265, 32570), (280, 32609), (281, 32612), (285, 32624), (290, 32639), (316, 32663), (330, 32696), (362, 32777), (374, 32822), (391, 32870), (403, 32906), (406, 32915), (409, 32921), (485, 33146),

Gene: Sejanus_28 Start: 29684, Stop: 30844, Start Num: 62

Candidate Starts for Sejanus_28:

(Start: 62 @29684 has 278 MA's), (76, 29720), (91, 29753), (Start: 106 @29798 has 1 MA's), (125, 29843), (126, 29846), (208, 30038), (220, 30062), (224, 30068), (242, 30113), (244, 30116), (265, 30164), (288, 30227), (289, 30230), (319, 30263), (355, 30338), (362, 30368), (401, 30491), (404, 30500), (406, 30506), (504, 30827),

Gene: Selr12_33 Start: 32097, Stop: 33257, Start Num: 62

Candidate Starts for Selr12_33:

(Start: 62 @32097 has 278 MA's), (Start: 106 @32208 has 1 MA's), (125, 32253), (171, 32352), (194, 32412), (208, 32448), (220, 32472), (241, 32517), (242, 32523), (265, 32574), (280, 32613), (281, 32616), (285, 32628), (290, 32643), (316, 32667), (330, 32700), (362, 32781), (374, 32826), (391, 32874), (403, 32910), (406, 32919), (409, 32925), (485, 33150),

Gene: Serendipitous_31 Start: 32443, Stop: 33945, Start Num: 17

Candidate Starts for Serendipitous_31:

(Start: 17 @32443 has 8 MA's), (18, 32461), (19, 32473), (21, 32482), (28, 32536), (32, 32554), (43, 32632), (46, 32647), (47, 32659), (87, 32767), (104, 32815), (Start: 111 @32827 has 58 MA's), (150, 32920), (Start: 160 @32947 has 3 MA's), (167, 32965), (170, 32974), (172, 32983), (183, 33001), (201, 33052), (205, 33067), (213, 33088), (232, 33139), (266, 33223), (268, 33229), (276, 33253), (285, 33274), (295, 33301), (339, 33385), (345, 33412), (355, 33451), (364, 33487), (424, 33700), (476, 33811), (505, 33931),

Gene: Serendipity_33 Start: 32393, Stop: 33553, Start Num: 62

Candidate Starts for Serendipity_33:

(Start: 62 @32393 has 278 MA's), (Start: 106 @32504 has 1 MA's), (125, 32549), (171, 32648), (194, 32708), (208, 32744), (220, 32768), (241, 32813), (242, 32819), (265, 32870), (280, 32909), (281, 32912), (285, 32924), (290, 32939), (316, 32963), (330, 32996), (362, 33077), (374, 33122), (391, 33170), (403, 33206), (406, 33215), (409, 33221), (485, 33446),

Gene: Serpentine_0033 Start: 32374, Stop: 33534, Start Num: 62

Candidate Starts for Serpentine_0033:

(Start: 62 @32374 has 278 MA's), (Start: 106 @32485 has 1 MA's), (125, 32530), (171, 32629), (194, 32689), (208, 32725), (220, 32749), (241, 32794), (242, 32800), (265, 32851), (280, 32890), (281, 32893), (285, 32905), (290, 32920), (316, 32944), (330, 32977), (362, 33058), (374, 33103), (391, 33151), (403, 33187), (406, 33196), (409, 33202), (485, 33427),

Gene: SgtBeansprout_24 Start: 22900, Stop: 23907, Start Num: 111

Candidate Starts for SgtBeansprout_24:

(93, 22849), (97, 22861), (Start: 111 @22900 has 58 MA's), (136, 22960), (170, 23032), (191, 23086), (197, 23107), (256, 23236), (279, 23281), (281, 23284), (329, 23341), (331, 23344), (354, 23389), (363, 23425), (391, 23521), (396, 23533), (430, 23653), (480, 23785),

Gene: Shadow1_27 Start: 22543, Stop: 23604, Start Num: 111

Candidate Starts for Shadow1_27:

(68, 22453), (Start: 111 @22543 has 58 MA's), (147, 22624), (158, 22642), (197, 22750), (202, 22762), (210, 22783), (256, 22879), (307, 22993), (329, 23044), (368, 23161), (380, 23176), (396,

23233), (409, 23272), (471, 23461),

Gene: Shaobing_28 Start: 22728, Stop: 23693, Start Num: 110

Candidate Starts for Shaobing_28:

(Start: 110 @22728 has 87 MA's), (112, 22734), (178, 22887), (185, 22905), (191, 22923), (202, 22956), (219, 22998), (250, 23058), (256, 23073), (362, 23259), (363, 23262), (386, 23334), (409, 23403), (422, 23451), (429, 23466), (450, 23499), (465, 23538), (497, 23637),

Gene: ShedlockHolmes_28 Start: 23930, Stop: 24949, Start Num: 111

Candidate Starts for ShedlockHolmes_28:

(15, 23549), (16, 23561), (20, 23597), (23, 23621), (41, 23741), (68, 23840), (88, 23897), (Start: 111 @23930 has 58 MA's), (123, 23963), (170, 24062), (171, 24068), (178, 24080), (197, 24137), (201, 24143), (230, 24203), (256, 24266), (265, 24275), (280, 24311), (287, 24332), (292, 24344), (336, 24383), (362, 24452), (392, 24551), (409, 24599), (415, 24635), (439, 24698), (454, 24740), (471, 24788), (483, 24830), (502, 24926),

Gene: Sheila_33 Start: 32411, Stop: 33571, Start Num: 62

Candidate Starts for Sheila_33:

(Start: 62 @32411 has 278 MA's), (Start: 106 @32522 has 1 MA's), (125, 32567), (171, 32666), (194, 32726), (208, 32762), (220, 32786), (241, 32831), (242, 32837), (265, 32888), (280, 32927), (281, 32930), (285, 32942), (290, 32957), (316, 32981), (330, 33014), (362, 33095), (374, 33140), (391, 33188), (403, 33224), (406, 33233), (409, 33239), (485, 33464),

Gene: ShiVal_33 Start: 32367, Stop: 33527, Start Num: 62

Candidate Starts for ShiVal_33:

(Start: 62 @32367 has 278 MA's), (Start: 106 @32478 has 1 MA's), (125, 32523), (171, 32622), (194, 32682), (208, 32718), (220, 32742), (241, 32787), (242, 32793), (265, 32844), (280, 32883), (281, 32886), (285, 32898), (316, 32937), (330, 32970), (362, 33051), (374, 33096), (391, 33144), (403, 33180), (406, 33189), (409, 33195), (485, 33420),

Gene: ShiaSurprise_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for ShiaSurprise_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (Start: 160 @23467 has 3 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (396, 23992), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: ShrimpFriedEgg_21 Start: 19877, Stop: 21031, Start Num: 66

Candidate Starts for ShrimpFriedEgg_21:

(20, 19640), (25, 19682), (30, 19712), (34, 19742), (44, 19802), (55, 19856), (Start: 66 @19877 has 84 MA's), (88, 19940), (95, 19958), (Start: 113 @20006 has 1 MA's), (134, 20066), (140, 20075), (148, 20090), (161, 20114), (170, 20138), (174, 20150), (202, 20225), (205, 20234), (214, 20258), (225, 20288), (244, 20333), (246, 20336), (249, 20342), (284, 20372), (285, 20375), (293, 20396), (362, 20555), (388, 20645), (391, 20654), (401, 20684), (409, 20705), (502, 21008),

Gene: Shweta_21 Start: 20201, Stop: 21238, Start Num: 77

Candidate Starts for Shweta_21:

(Start: 77 @20201 has 10 MA's), (153, 20357), (157, 20363), (171, 20405), (197, 20471), (200, 20474), (230, 20534), (248, 20579), (288, 20624), (330, 20705), (358, 20762), (363, 20786), (396, 20891), (413, 20963), (431, 21008),

Gene: Sigman_33 Start: 32359, Stop: 33519, Start Num: 62

Candidate Starts for Sigman_33:

(Start: 62 @32359 has 278 MA's), (Start: 106 @32470 has 1 MA's), (125, 32515), (171, 32614), (194, 32674), (208, 32710), (220, 32734), (241, 32779), (242, 32785), (265, 32836), (280, 32875), (281, 32878), (285, 32890), (290, 32905), (316, 32929), (330, 32962), (362, 33043), (374, 33088), (391, 33136), (403, 33172), (406, 33181), (409, 33187), (485, 33412),

Gene: Silverleaf_21 Start: 21688, Stop: 22860, Start Num: 64

Candidate Starts for Silverleaf_21:

(Start: 61 @21685 has 5 MA's), (Start: 64 @21688 has 31 MA's), (Start: 116 @21814 has 2 MA's), (133, 21856), (139, 21868), (142, 21871), (Start: 160 @21904 has 3 MA's), (165, 21916), (185, 21964), (191, 21982), (203, 22018), (208, 22033), (236, 22084), (246, 22114), (264, 22156), (277, 22180), (310, 22216), (314, 22222), (327, 22249), (340, 22267), (364, 22360), (365, 22363), (389, 22447), (428, 22585), (440, 22603), (471, 22687),

Gene: Simielle_32 Start: 32062, Stop: 33222, Start Num: 62

Candidate Starts for Simielle_32:

(Start: 62 @32062 has 278 MA's), (Start: 106 @32173 has 1 MA's), (125, 32218), (171, 32317), (194, 32377), (208, 32413), (220, 32437), (241, 32482), (242, 32488), (265, 32539), (280, 32578), (281, 32581), (285, 32593), (290, 32608), (316, 32632), (330, 32665), (362, 32746), (374, 32791), (391, 32839), (403, 32875), (406, 32884), (409, 32890), (485, 33115),

Gene: SirJeffery_32 Start: 32588, Stop: 34093, Start Num: 17

Candidate Starts for SirJeffery_32:

(Start: 17 @32588 has 8 MA's), (18, 32606), (21, 32627), (28, 32681), (40, 32759), (43, 32777), (46, 32792), (47, 32804), (135, 33041), (Start: 160 @33092 has 3 MA's), (170, 33119), (183, 33146), (213, 33233), (216, 33248), (232, 33287), (268, 33377), (290, 33437), (345, 33560), (355, 33599), (364, 33635), (476, 33959), (505, 34079),

Gene: Skinny_32 Start: 27432, Stop: 28493, Start Num: 81

Candidate Starts for Skinny_32:

(Start: 81 @27432 has 84 MA's), (96, 27468), (115, 27510), (Start: 160 @27600 has 3 MA's), (168, 27621), (180, 27648), (202, 27711), (247, 27801), (252, 27813), (256, 27822), (299, 27867), (335, 27933), (363, 28005), (389, 28095), (396, 28113), (425, 28230), (430, 28242), (472, 28332),

Gene: SkinnyPete_21 Start: 20204, Stop: 21241, Start Num: 81

Candidate Starts for SkinnyPete_21:

(Start: 81 @20204 has 84 MA's), (153, 20360), (157, 20366), (197, 20474), (204, 20492), (248, 20582), (288, 20627), (330, 20708), (363, 20789), (389, 20876), (396, 20894), (413, 20966), (431, 21011), (495, 21176),

Gene: Skippy_33 Start: 32357, Stop: 33517, Start Num: 62

Candidate Starts for Skippy_33:

(Start: 62 @32357 has 278 MA's), (Start: 106 @32468 has 1 MA's), (125, 32513), (171, 32612), (194, 32672), (208, 32708), (220, 32732), (241, 32777), (242, 32783), (265, 32834), (280, 32873), (281, 32876), (285, 32888), (316, 32927), (330, 32960), (362, 33041), (374, 33086), (391, 33134), (403, 33170), (406, 33179), (409, 33185), (485, 33410),

Gene: Slarp_29 Start: 24596, Stop: 25600, Start Num: 111

Candidate Starts for Slarp_29:

(Start: 111 @24596 has 58 MA's), (185, 24764), (201, 24809), (202, 24815), (230, 24869), (235, 24878), (269, 24959), (278, 24980), (282, 24986), (283, 24989), (362, 25121), (363, 25124), (401, 25247),

Gene: Slatt_33 Start: 32383, Stop: 33543, Start Num: 62

Candidate Starts for Slatt_33:

(Start: 62 @32383 has 278 MA's), (Start: 106 @32494 has 1 MA's), (125, 32539), (171, 32638), (194, 32698), (208, 32734), (220, 32758), (241, 32803), (242, 32809), (265, 32860), (280, 32899), (281, 32902), (285, 32914), (316, 32953), (330, 32986), (362, 33067), (374, 33112), (391, 33160), (403, 33196), (406, 33205), (409, 33211), (485, 33436),

Gene: SlimJimmy_30 Start: 26975, Stop: 28030, Start Num: 81

Candidate Starts for SlimJimmy_30:

(Start: 81 @26975 has 84 MA's), (176, 27188), (191, 27224), (217, 27287), (254, 27359), (288, 27389), (298, 27410), (317, 27446), (335, 27482), (358, 27530), (362, 27551), (364, 27557), (369, 27587), (371, 27590), (388, 27638), (461, 27848), (478, 27902),

Gene: Slimphazie_28 Start: 23323, Stop: 24336, Start Num: 110

Candidate Starts for Slimphazie_28:

(11, 22879), (27, 23026), (87, 23278), (Start: 110 @23323 has 87 MA's), (Start: 160 @23434 has 3 MA's), (202, 23548), (256, 23665), (276, 23707), (283, 23719), (331, 23773), (362, 23851), (391, 23947), (396, 23959), (405, 23989), (409, 23998), (443, 24112), (471, 24181),

Gene: SlippinJimmy_33 Start: 32984, Stop: 34186, Start Num: 66

Candidate Starts for SlippinJimmy_33:

(Start: 66 @32984 has 84 MA's), (Start: 77 @33017 has 10 MA's), (135, 33161), (141, 33170), (148, 33179), (166, 33218), (169, 33227), (176, 33245), (185, 33263), (191, 33281), (192, 33287), (196, 33299), (203, 33317), (208, 33332), (225, 33365), (238, 33392), (256, 33437), (287, 33518), (298, 33545), (317, 33563), (324, 33581), (339, 33623), (368, 33752), (379, 33761), (401, 33842), (425, 33944), (452, 34001), (458, 34010), (471, 34049), (489, 34121), (502, 34163),

Gene: Snekmaggedon_21 Start: 20006, Stop: 21031, Start Num: 113

Candidate Starts for Snekmaggedon_21:

(20, 19640), (25, 19682), (30, 19712), (34, 19742), (44, 19802), (55, 19856), (Start: 66 @19877 has 84 MA's), (95, 19958), (Start: 113 @20006 has 1 MA's), (134, 20066), (140, 20075), (148, 20090), (161, 20114), (170, 20138), (174, 20150), (202, 20225), (205, 20234), (214, 20258), (225, 20288), (284, 20372), (285, 20375), (293, 20396), (362, 20555), (388, 20645), (391, 20654), (401, 20684), (409, 20705), (502, 21008),

Gene: Snenia_22 Start: 22248, Stop: 23465, Start Num: 64

Candidate Starts for Snenia_22:

(Start: 64 @22248 has 31 MA's), (105, 22350), (Start: 111 @22362 has 58 MA's), (118, 22380), (121, 22389), (139, 22428), (Start: 160 @22464 has 3 MA's), (166, 22479), (168, 22485), (181, 22515), (183, 22518), (193, 22554), (199, 22566), (219, 22617), (221, 22620), (249, 22680), (259, 22707), (266, 22722), (268, 22728), (273, 22740), (299, 22800), (321, 22824), (340, 22884), (363, 22980), (370, 23013), (394, 23085), (403, 23109), (479, 23337), (484, 23349),

Gene: SoSeph_27 Start: 24081, Stop: 25148, Start Num: 81

Candidate Starts for SoSeph_27:

(Start: 81 @24081 has 84 MA's), (129, 24198), (Start: 160 @24255 has 3 MA's), (180, 24303), (182, 24309), (203, 24366), (204, 24369), (210, 24384), (230, 24411), (245, 24450), (248, 24453), (253, 24465), (254, 24468), (255, 24471), (284, 24486), (303, 24531), (306, 24537), (335, 24591), (358, 24639), (365, 24669), (384, 24714), (415, 24843), (429, 24897),

Gene: Soile_33 Start: 32089, Stop: 33249, Start Num: 62

Candidate Starts for Soile_33:

(Start: 62 @32089 has 278 MA's), (Start: 106 @32200 has 1 MA's), (125, 32245), (171, 32344), (194, 32404), (208, 32440), (220, 32464), (241, 32509), (242, 32515), (265, 32566), (280, 32605), (281,

32608), (285, 32620), (316, 32659), (330, 32692), (362, 32773), (374, 32818), (391, 32866), (403, 32902), (406, 32911), (409, 32917), (485, 33142),

Gene: Solosis_32 Start: 32084, Stop: 33244, Start Num: 62

Candidate Starts for Solosis_32:

(Start: 62 @32084 has 278 MA's), (Start: 106 @32195 has 1 MA's), (125, 32240), (171, 32339), (194, 32399), (208, 32435), (220, 32459), (241, 32504), (242, 32510), (265, 32561), (280, 32600), (281, 32603), (285, 32615), (290, 32630), (316, 32654), (330, 32687), (362, 32768), (374, 32813), (391, 32861), (403, 32897), (406, 32906), (409, 32912), (485, 33137),

Gene: Sonah_22 Start: 21289, Stop: 22326, Start Num: 81

Candidate Starts for Sonah_22:

(71, 21265), (Start: 79 @21286 has 6 MA's), (Start: 81 @21289 has 84 MA's), (90, 21313), (157, 21451), (171, 21493), (200, 21562), (230, 21622), (248, 21667), (288, 21712), (330, 21793), (358, 21850), (363, 21874), (396, 21979), (413, 22051), (431, 22096), (495, 22261),

Gene: Sophia_32 Start: 32084, Stop: 33244, Start Num: 62

Candidate Starts for Sophia_32:

(Start: 62 @32084 has 278 MA's), (Start: 106 @32195 has 1 MA's), (125, 32240), (171, 32339), (194, 32399), (208, 32435), (220, 32459), (241, 32504), (242, 32510), (265, 32561), (280, 32600), (281, 32603), (285, 32615), (316, 32654), (330, 32687), (362, 32768), (374, 32813), (391, 32861), (403, 32897), (406, 32906), (409, 32912), (485, 33137),

Gene: Soto_33 Start: 32377, Stop: 33537, Start Num: 62

Candidate Starts for Soto_33:

(Start: 62 @32377 has 278 MA's), (Start: 106 @32488 has 1 MA's), (125, 32533), (171, 32632), (194, 32692), (208, 32728), (220, 32752), (241, 32797), (242, 32803), (265, 32854), (280, 32893), (281, 32896), (285, 32908), (290, 32923), (316, 32947), (330, 32980), (362, 33061), (374, 33106), (391, 33154), (403, 33190), (406, 33199), (409, 33205), (485, 33430),

Gene: Sparky_21 Start: 21885, Stop: 22931, Start Num: 81

Candidate Starts for Sparky_21:

(Start: 81 @21885 has 84 MA's), (176, 22098), (179, 22104), (230, 22209), (248, 22251), (249, 22254), (300, 22323), (362, 22455), (369, 22491), (408, 22599), (461, 22752), (463, 22761), (468, 22773),

Gene: Spartan300_33 Start: 32363, Stop: 33523, Start Num: 62

Candidate Starts for Spartan300_33:

(Start: 62 @32363 has 278 MA's), (Start: 106 @32474 has 1 MA's), (125, 32519), (171, 32618), (194, 32678), (208, 32714), (220, 32738), (241, 32783), (242, 32789), (265, 32840), (280, 32879), (281, 32882), (285, 32894), (316, 32933), (330, 32966), (362, 33047), (374, 33092), (391, 33140), (403, 33176), (406, 33185), (409, 33191), (485, 33416),

Gene: Spock_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Spock_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: SpongeBob_21 Start: 19877, Stop: 21031, Start Num: 66

Candidate Starts for SpongeBob_21:

(20, 19640), (25, 19682), (30, 19712), (34, 19742), (44, 19802), (55, 19856), (Start: 66 @19877 has 84 MA's), (95, 19958), (Start: 113 @20006 has 1 MA's), (134, 20066), (140, 20075), (148, 20090), (161,

20114), (170, 20138), (174, 20150), (202, 20225), (205, 20234), (214, 20258), (225, 20288), (284, 20372), (285, 20375), (293, 20396), (362, 20555), (388, 20645), (391, 20654), (401, 20684), (409, 20705), (502, 21008),

Gene: Squid_33 Start: 32075, Stop: 33235, Start Num: 62

Candidate Starts for Squid_33:

(Start: 62 @32075 has 278 MA's), (Start: 106 @32186 has 1 MA's), (125, 32231), (171, 32330), (194, 32390), (208, 32426), (220, 32450), (241, 32495), (242, 32501), (265, 32552), (280, 32591), (281, 32594), (285, 32606), (316, 32645), (330, 32678), (362, 32759), (374, 32804), (391, 32852), (403, 32888), (406, 32897), (409, 32903), (485, 33128),

Gene: Squiggle_33 Start: 32087, Stop: 33247, Start Num: 62

Candidate Starts for Squiggle_33:

(Start: 62 @32087 has 278 MA's), (Start: 106 @32198 has 1 MA's), (125, 32243), (171, 32342), (194, 32402), (208, 32438), (220, 32462), (241, 32507), (242, 32513), (265, 32564), (280, 32603), (281, 32606), (285, 32618), (290, 32633), (316, 32657), (330, 32690), (362, 32771), (374, 32816), (391, 32864), (403, 32900), (406, 32909), (409, 32915), (485, 33140),

Gene: Squirty_20 Start: 19922, Stop: 21079, Start Num: 65

Candidate Starts for Squirty_20:

(Start: 65 @19922 has 3 MA's), (95, 20003), (103, 20030), (Start: 113 @20051 has 1 MA's), (134, 20111), (148, 20135), (153, 20141), (161, 20159), (166, 20171), (170, 20183), (174, 20195), (189, 20231), (196, 20255), (202, 20270), (205, 20279), (214, 20303), (221, 20318), (225, 20333), (284, 20417), (285, 20420), (293, 20441), (302, 20462), (305, 20471), (309, 20483), (315, 20492), (409, 20753), (423, 20822), (502, 21056),

Gene: Stargaze_23 Start: 23284, Stop: 24429, Start Num: 66

Candidate Starts for Stargaze_23:

(1, 22495), (4, 22654), (5, 22762), (9, 22864), (51, 23260), (Start: 66 @23284 has 84 MA's), (Start: 106 @23395 has 1 MA's), (114, 23410), (166, 23521), (191, 23584), (194, 23599), (256, 23746), (262, 23761), (282, 23812), (313, 23845), (348, 23908), (361, 23959), (363, 23968), (412, 24136),

Gene: StevieRay_22 Start: 21290, Stop: 22327, Start Num: 81

Candidate Starts for StevieRay_22:

(71, 21266), (Start: 79 @21287 has 6 MA's), (Start: 81 @21290 has 84 MA's), (90, 21314), (157, 21452), (171, 21494), (200, 21563), (230, 21623), (248, 21668), (288, 21713), (330, 21794), (358, 21851), (363, 21875), (396, 21980), (413, 22052), (431, 22097), (495, 22262),

Gene: Stinger_28 Start: 31182, Stop: 32339, Start Num: 66

Candidate Starts for Stinger_28:

(6, 30657), (7, 30678), (Start: 66 @31182 has 84 MA's), (74, 31209), (Start: 106 @31290 has 1 MA's), (114, 31305), (118, 31317), (125, 31335), (176, 31443), (190, 31476), (192, 31485), (199, 31503), (208, 31530), (221, 31545), (225, 31551), (227, 31557), (241, 31581), (244, 31590), (249, 31599), (267, 31632), (284, 31665), (288, 31677), (290, 31683), (327, 31743), (332, 31755), (339, 31761), (355, 31827), (361, 31851), (363, 31860), (409, 32007), (459, 32160),

Gene: StinkyVeggy_34 Start: 32734, Stop: 34239, Start Num: 17

Candidate Starts for StinkyVeggy_34:

(Start: 17 @32734 has 8 MA's), (21, 32773), (32, 32845), (40, 32905), (43, 32923), (46, 32938), (137, 33190), (154, 33220), (Start: 160 @33238 has 3 MA's), (170, 33265), (183, 33292), (216, 33394), (232, 33433), (238, 33448), (268, 33523), (285, 33568), (287, 33574), (290, 33583), (339, 33679), (355, 33745), (364, 33781), (424, 33994), (476, 34105), (505, 34225),

Gene: Stinson_29 Start: 23565, Stop: 24578, Start Num: 110

Candidate Starts for Stinson_29:

(Start: 110 @23565 has 87 MA's), (Start: 160 @23676 has 3 MA's), (202, 23790), (256, 23907), (276, 23949), (331, 24015), (336, 24024), (362, 24093), (391, 24189), (396, 24201), (443, 24354), (471, 24423), (497, 24519),

Gene: StressBall_22 Start: 21561, Stop: 22601, Start Num: 77

Candidate Starts for StressBall_22:

(Start: 77 @21561 has 10 MA's), (153, 21720), (157, 21726), (171, 21768), (197, 21834), (200, 21837), (230, 21897), (248, 21942), (288, 21987), (330, 22068), (358, 22125), (363, 22149), (396, 22254), (413, 22326), (431, 22371),

Gene: Strobilo_26 Start: 21363, Stop: 22277, Start Num: 144

Candidate Starts for Strobilo_26:

(68, 21198), (Start: 111 @21282 has 58 MA's), (144, 21363), (158, 21387), (181, 21447), (201, 21501), (202, 21507), (250, 21609), (251, 21612), (275, 21660), (276, 21666), (329, 21729), (331, 21732), (353, 21774), (364, 21816), (389, 21900), (409, 21957), (502, 22254),

Gene: Struggle_32 Start: 31925, Stop: 33085, Start Num: 62

Candidate Starts for Struggle_32:

(Start: 62 @31925 has 278 MA's), (Start: 106 @32036 has 1 MA's), (125, 32081), (171, 32180), (194, 32240), (208, 32276), (220, 32300), (241, 32345), (242, 32351), (265, 32402), (280, 32441), (281, 32444), (285, 32456), (290, 32471), (316, 32495), (330, 32528), (362, 32609), (391, 32702), (403, 32738), (406, 32747), (409, 32753), (485, 32978),

Gene: Suffolk_33 Start: 32374, Stop: 33534, Start Num: 62

Candidate Starts for Suffolk_33:

(Start: 62 @32374 has 278 MA's), (Start: 106 @32485 has 1 MA's), (125, 32530), (171, 32629), (194, 32689), (208, 32725), (220, 32749), (241, 32794), (242, 32800), (265, 32851), (280, 32890), (281, 32893), (285, 32905), (316, 32944), (330, 32977), (362, 33058), (374, 33103), (391, 33151), (403, 33187), (406, 33196), (409, 33202), (485, 33427),

Gene: Suigeneris_32 Start: 32591, Stop: 34096, Start Num: 17

Candidate Starts for Suigeneris_32:

(Start: 17 @32591 has 8 MA's), (18, 32609), (21, 32630), (28, 32684), (40, 32762), (43, 32780), (46, 32795), (47, 32807), (135, 33044), (Start: 160 @33095 has 3 MA's), (170, 33122), (183, 33149), (213, 33236), (216, 33251), (232, 33290), (268, 33380), (290, 33440), (345, 33563), (355, 33602), (364, 33638), (476, 33962), (505, 34082),

Gene: Sulley_28 Start: 23289, Stop: 24302, Start Num: 110

Candidate Starts for Sulley_28:

(Start: 110 @23289 has 87 MA's), (Start: 160 @23400 has 3 MA's), (202, 23514), (256, 23631), (283, 23685), (331, 23739), (362, 23817), (391, 23913), (396, 23925), (405, 23955), (409, 23964), (443, 24078), (471, 24147),

Gene: Sunflower1121_27 Start: 22555, Stop: 23616, Start Num: 111

Candidate Starts for Sunflower1121_27:

(68, 22465), (Start: 111 @22555 has 58 MA's), (147, 22636), (158, 22654), (197, 22762), (202, 22774), (210, 22795), (256, 22891), (307, 23005), (329, 23056), (368, 23173), (396, 23245), (409, 23284), (443, 23404), (471, 23473),

Gene: Surely_33 Start: 32377, Stop: 33537, Start Num: 62

Candidate Starts for Surely_33:

(Start: 62 @32377 has 278 MA's), (Start: 106 @32488 has 1 MA's), (125, 32533), (171, 32632), (194, 32692), (208, 32728), (220, 32752), (241, 32797), (242, 32803), (265, 32854), (280, 32893), (281, 32896), (285, 32908), (316, 32947), (330, 32980), (362, 33061), (374, 33106), (391, 33154), (403, 33190), (406, 33199), (409, 33205), (485, 33430),

Gene: Swiphy_34 Start: 32372, Stop: 33532, Start Num: 62

Candidate Starts for Swiphy_34:

(Start: 62 @32372 has 278 MA's), (Start: 106 @32483 has 1 MA's), (125, 32528), (171, 32627), (194, 32687), (208, 32723), (220, 32747), (241, 32792), (242, 32798), (265, 32849), (280, 32888), (281, 32891), (285, 32903), (316, 32942), (330, 32975), (362, 33056), (391, 33149), (403, 33185), (406, 33194), (409, 33200), (485, 33425),

Gene: Swish_33 Start: 32360, Stop: 33520, Start Num: 62

Candidate Starts for Swish_33:

(Start: 62 @32360 has 278 MA's), (Start: 106 @32471 has 1 MA's), (125, 32516), (171, 32615), (194, 32675), (208, 32711), (220, 32735), (241, 32780), (242, 32786), (265, 32837), (280, 32876), (281, 32879), (285, 32891), (290, 32906), (316, 32930), (330, 32963), (362, 33044), (374, 33089), (391, 33137), (403, 33173), (406, 33182), (409, 33188), (485, 33413),

Gene: SynergyX_33 Start: 32223, Stop: 33425, Start Num: 66

Candidate Starts for SynergyX_33:

(Start: 66 @32223 has 84 MA's), (Start: 77 @32256 has 10 MA's), (135, 32400), (141, 32409), (148, 32418), (166, 32457), (169, 32466), (176, 32484), (185, 32502), (191, 32520), (192, 32526), (196, 32538), (203, 32556), (208, 32571), (225, 32604), (238, 32631), (256, 32676), (287, 32757), (298, 32784), (317, 32802), (324, 32820), (339, 32862), (344, 32886), (364, 32961), (368, 32991), (391, 33051), (394, 33063), (401, 33081), (425, 33183), (471, 33288), (476, 33294), (479, 33312), (501, 33399),

Gene: Syra333_28 Start: 22645, Stop: 23640, Start Num: 111

Candidate Starts for Syra333_28:

(68, 22555), (Start: 111 @22645 has 58 MA's), (158, 22744), (Start: 160 @22750 has 3 MA's), (217, 22900), (256, 22981), (362, 23167), (363, 23170), (388, 23254), (391, 23263), (403, 23299), (458, 23449), (499, 23599), (502, 23617),

Gene: TA17A_33 Start: 32678, Stop: 33841, Start Num: 62

Candidate Starts for TA17A_33:

(Start: 57 @32672 has 11 MA's), (Start: 62 @32678 has 278 MA's), (78, 32717), (91, 32747), (Start: 106 @32792 has 1 MA's), (125, 32837), (171, 32936), (194, 32996), (208, 33032), (220, 33056), (241, 33101), (242, 33107), (265, 33158), (280, 33197), (281, 33200), (285, 33212), (316, 33251), (330, 33284), (362, 33365), (374, 33410), (391, 33458), (403, 33494), (406, 33503), (409, 33509), (485, 33734),

Gene: TBond007_28 Start: 23723, Stop: 24787, Start Num: 111

Candidate Starts for TBond007_28:

(8, 23171), (10, 23237), (12, 23300), (14, 23333), (18, 23375), (41, 23534), (68, 23633), (88, 23690), (Start: 111 @23723 has 58 MA's), (170, 23855), (171, 23861), (197, 23930), (201, 23936), (230, 23996), (239, 24017), (244, 24032), (282, 24110), (362, 24302), (368, 24338), (387, 24386), (401, 24428), (438, 24554),

Gene: TClif_29 Start: 22714, Stop: 23739, Start Num: 111

Candidate Starts for TClif_29:

(Start: 111 @22714 has 58 MA's), (157, 22813), (158, 22816), (181, 22876), (196, 22921), (210, 22957), (251, 23041), (275, 23089), (334, 23173), (350, 23197), (363, 23248), (387, 23329), (475,

23581), (483, 23620), (502, 23716),

Gene: TM4_25 Start: 21422, Stop: 22426, Start Num: 111

Candidate Starts for TM4_25:

(Start: 111 @21422 has 58 MA's), (158, 21527), (181, 21587), (185, 21596), (201, 21641), (202, 21647), (230, 21701), (253, 21755), (282, 21815), (294, 21848), (331, 21872), (363, 21953), (364, 21956), (389, 22040), (401, 22076), (502, 22403),

Gene: Tachez_28 Start: 23285, Stop: 24298, Start Num: 110

Candidate Starts for Tachez_28:

(11, 22841), (27, 22988), (87, 23240), (Start: 110 @23285 has 87 MA's), (Start: 160 @23396 has 3 MA's), (202, 23510), (256, 23627), (276, 23669), (283, 23681), (331, 23735), (362, 23813), (391, 23909), (396, 23921), (405, 23951), (409, 23960), (443, 24074), (471, 24143),

Gene: TaiwanKao_29 Start: 23407, Stop: 24309, Start Num: 160

Candidate Starts for TaiwanKao_29:

(87, 23251), (Start: 110 @23296 has 87 MA's), (Start: 160 @23407 has 3 MA's), (202, 23521), (256, 23638), (276, 23680), (283, 23692), (331, 23746), (362, 23824), (387, 23908), (391, 23920), (396, 23932), (409, 23971), (434, 24061), (497, 24250),

Gene: TallGrassMM_33 Start: 31999, Stop: 33159, Start Num: 62

Candidate Starts for TallGrassMM_33:

(Start: 62 @31999 has 278 MA's), (Start: 106 @32110 has 1 MA's), (125, 32155), (171, 32254), (194, 32314), (208, 32350), (220, 32374), (241, 32419), (242, 32425), (265, 32476), (280, 32515), (281, 32518), (285, 32530), (290, 32545), (316, 32569), (330, 32602), (362, 32683), (374, 32728), (391, 32776), (403, 32812), (406, 32821), (409, 32827), (485, 33052),

Gene: Taptic_25 Start: 29324, Stop: 30529, Start Num: 62

Candidate Starts for Taptic_25:

(Start: 57 @29321 has 11 MA's), (Start: 62 @29324 has 278 MA's), (90, 29393), (118, 29462), (128, 29492), (135, 29504), (139, 29510), (141, 29513), (148, 29522), (166, 29561), (169, 29570), (172, 29582), (194, 29639), (199, 29648), (203, 29660), (208, 29675), (232, 29720), (238, 29735), (256, 29780), (283, 29849), (293, 29876), (312, 29900), (333, 29945), (339, 29966), (344, 29990), (364, 30065), (368, 30095), (391, 30155), (394, 30167), (401, 30185), (425, 30287), (476, 30398), (479, 30416), (491, 30467), (501, 30503),

Gene: Taquito_27 Start: 24633, Stop: 25676, Start Num: 79

Candidate Starts for Taquito_27:

(Start: 79 @24633 has 6 MA's), (Start: 81 @24636 has 84 MA's), (187, 24876), (200, 24912), (202, 24921), (204, 24927), (230, 24972), (248, 25017), (255, 25035), (288, 25062), (330, 25143), (358, 25200), (363, 25224), (396, 25329), (413, 25401), (431, 25446),

Gene: Techage_22 Start: 21290, Stop: 22327, Start Num: 81

Candidate Starts for Techage_22:

(71, 21266), (Start: 79 @21287 has 6 MA's), (Start: 81 @21290 has 84 MA's), (90, 21314), (157, 21452), (171, 21494), (200, 21563), (230, 21623), (248, 21668), (288, 21713), (330, 21794), (358, 21851), (363, 21875), (396, 21980), (413, 22052), (431, 22097), (495, 22262),

Gene: Telesworld_32 Start: 32072, Stop: 33232, Start Num: 62

Candidate Starts for Telesworld_32:

(Start: 62 @32072 has 278 MA's), (Start: 106 @32183 has 1 MA's), (125, 32228), (171, 32327), (194, 32387), (208, 32423), (220, 32447), (241, 32492), (242, 32498), (265, 32549), (280, 32588), (281, 32591), (285, 32603), (316, 32642), (330, 32675), (362, 32756), (374, 32801), (391, 32849), (403,

32885), (406, 32894), (409, 32900), (485, 33125),

Gene: Thespis_22 Start: 21299, Stop: 22336, Start Num: 81

Candidate Starts for Thespis_22:

(71, 21275), (Start: 79 @21296 has 6 MA's), (Start: 81 @21299 has 84 MA's), (90, 21323), (157, 21461), (171, 21503), (200, 21572), (230, 21632), (248, 21677), (288, 21722), (330, 21803), (358, 21860), (363, 21884), (396, 21989), (413, 22061), (431, 22106), (495, 22271),

Gene: Thonko_30 Start: 29614, Stop: 30771, Start Num: 58

Candidate Starts for Thonko_30:

(48, 29584), (Start: 58 @29614 has 8 MA's), (Start: 106 @29728 has 1 MA's), (Start: 160 @29845 has 3 MA's), (166, 29860), (169, 29869), (176, 29887), (185, 29905), (203, 29959), (244, 30049), (251, 30067), (258, 30085), (361, 30319), (363, 30328), (380, 30370), (404, 30460), (409, 30472),

Gene: Thora_33 Start: 32376, Stop: 33536, Start Num: 62

Candidate Starts for Thora_33:

(Start: 62 @32376 has 278 MA's), (Start: 106 @32487 has 1 MA's), (125, 32532), (171, 32631), (194, 32691), (208, 32727), (220, 32751), (241, 32796), (242, 32802), (265, 32853), (280, 32892), (281, 32895), (285, 32907), (316, 32946), (330, 32979), (362, 33060), (374, 33105), (391, 33153), (403, 33189), (406, 33198), (409, 33204), (485, 33429),

Gene: ThreeOh3D2_33 Start: 32374, Stop: 33534, Start Num: 62

Candidate Starts for ThreeOh3D2_33:

(Start: 62 @32374 has 278 MA's), (Start: 106 @32485 has 1 MA's), (125, 32530), (171, 32629), (194, 32689), (208, 32725), (220, 32749), (241, 32794), (242, 32800), (265, 32851), (280, 32890), (281, 32893), (285, 32905), (290, 32920), (316, 32944), (330, 32977), (362, 33058), (374, 33103), (391, 33151), (403, 33187), (406, 33196), (409, 33202), (485, 33427),

Gene: ThulaThula_22 Start: 21454, Stop: 22491, Start Num: 81

Candidate Starts for ThulaThula_22:

(Start: 81 @21454 has 84 MA's), (157, 21616), (176, 21667), (191, 21703), (202, 21730), (230, 21778), (254, 21835), (290, 21871), (362, 22024), (369, 22060), (396, 22132), (435, 22267), (461, 22321), (486, 22399),

Gene: Thunderbird_33 Start: 32080, Stop: 33240, Start Num: 62

Candidate Starts for Thunderbird_33:

(Start: 62 @32080 has 278 MA's), (Start: 106 @32191 has 1 MA's), (125, 32236), (171, 32335), (194, 32395), (208, 32431), (220, 32455), (241, 32500), (242, 32506), (265, 32557), (280, 32596), (281, 32599), (285, 32611), (290, 32626), (316, 32650), (330, 32683), (362, 32764), (391, 32857), (403, 32893), (406, 32902), (409, 32908), (485, 33133),

Gene: Thyatira_27 Start: 23933, Stop: 25000, Start Num: 81

Candidate Starts for Thyatira_27:

(Start: 81 @23933 has 84 MA's), (129, 24050), (Start: 160 @24107 has 3 MA's), (180, 24155), (182, 24161), (203, 24218), (204, 24221), (210, 24236), (230, 24263), (245, 24302), (248, 24305), (253, 24317), (254, 24320), (255, 24323), (284, 24338), (303, 24383), (306, 24389), (335, 24443), (358, 24491), (365, 24521), (384, 24566), (415, 24695), (429, 24749), (453, 24794),

Gene: Tierra_28 Start: 23391, Stop: 24452, Start Num: 111

Candidate Starts for Tierra_28:

(Start: 111 @23391 has 58 MA's), (145, 23469), (147, 23472), (158, 23490), (172, 23532), (197, 23598), (210, 23631), (256, 23727), (266, 23739), (307, 23841), (329, 23892), (368, 24009), (449, 24252), (458, 24270), (471, 24309),

Gene: Timmi_32 Start: 32085, Stop: 33245, Start Num: 62

Candidate Starts for Timmi_32:

(Start: 62 @32085 has 278 MA's), (Start: 106 @32196 has 1 MA's), (125, 32241), (171, 32340), (194, 32400), (208, 32436), (220, 32460), (241, 32505), (242, 32511), (265, 32562), (280, 32601), (281, 32604), (285, 32616), (316, 32655), (330, 32688), (362, 32769), (374, 32814), (391, 32862), (403, 32898), (406, 32907), (409, 32913), (485, 33138),

Gene: Tinciduntolum_34 Start: 32810, Stop: 33979, Start Num: 57

Candidate Starts for Tinciduntolum_34:

(29, 32669), (Start: 57 @32810 has 11 MA's), (Start: 62 @32816 has 278 MA's), (78, 32855), (91, 32885), (Start: 106 @32930 has 1 MA's), (125, 32975), (171, 33074), (194, 33134), (208, 33170), (220, 33194), (241, 33239), (242, 33245), (265, 33296), (280, 33335), (281, 33338), (285, 33350), (290, 33365), (316, 33389), (330, 33422), (362, 33503), (391, 33596), (403, 33632), (406, 33641), (409, 33647), (420, 33707), (485, 33872),

Gene: TiniBug_28 Start: 23281, Stop: 24294, Start Num: 110

Candidate Starts for TiniBug_28:

(87, 23236), (Start: 110 @23281 has 87 MA's), (Start: 160 @23392 has 3 MA's), (202, 23506), (256, 23623), (283, 23677), (331, 23731), (362, 23809), (391, 23905), (396, 23917), (409, 23956), (414, 23992), (442, 24061), (471, 24139), (497, 24235),

Gene: Tiri_28 Start: 23328, Stop: 24341, Start Num: 110

Candidate Starts for Tiri_28:

(11, 22884), (87, 23283), (Start: 110 @23328 has 87 MA's), (Start: 160 @23439 has 3 MA's), (202, 23553), (256, 23670), (276, 23712), (283, 23724), (331, 23778), (362, 23856), (387, 23940), (391, 23952), (396, 23964), (409, 24003), (443, 24117), (471, 24186),

Gene: TomBombadil_33 Start: 32370, Stop: 33530, Start Num: 62

Candidate Starts for TomBombadil_33:

(Start: 62 @32370 has 278 MA's), (Start: 106 @32481 has 1 MA's), (125, 32526), (171, 32625), (194, 32685), (208, 32721), (220, 32745), (241, 32790), (242, 32796), (265, 32847), (280, 32886), (281, 32889), (285, 32901), (290, 32916), (316, 32940), (330, 32973), (362, 33054), (391, 33147), (403, 33183), (406, 33192), (409, 33198), (485, 33423),

Gene: Tomlarah_33 Start: 32361, Stop: 33521, Start Num: 62

Candidate Starts for Tomlarah_33:

(Start: 62 @32361 has 278 MA's), (Start: 106 @32472 has 1 MA's), (125, 32517), (171, 32616), (194, 32676), (208, 32712), (220, 32736), (241, 32781), (242, 32787), (265, 32838), (280, 32877), (281, 32880), (285, 32892), (290, 32907), (316, 32931), (330, 32964), (362, 33045), (374, 33090), (391, 33138), (403, 33174), (406, 33183), (409, 33189), (485, 33414),

Gene: Toni_32 Start: 32077, Stop: 33237, Start Num: 62

Candidate Starts for Toni_32:

(Start: 62 @32077 has 278 MA's), (Start: 106 @32188 has 1 MA's), (125, 32233), (171, 32332), (194, 32392), (208, 32428), (220, 32452), (241, 32497), (242, 32503), (265, 32554), (280, 32593), (281, 32596), (285, 32608), (290, 32623), (316, 32647), (330, 32680), (362, 32761), (374, 32806), (391, 32854), (403, 32890), (406, 32899), (409, 32905), (485, 33130),

Gene: Tooj_33 Start: 32434, Stop: 33594, Start Num: 62

Candidate Starts for Tooj_33:

(Start: 62 @32434 has 278 MA's), (Start: 106 @32545 has 1 MA's), (125, 32590), (171, 32689), (194, 32749), (208, 32785), (220, 32809), (241, 32854), (242, 32860), (265, 32911), (280, 32950), (281,

32953), (285, 32965), (316, 33004), (330, 33037), (362, 33118), (374, 33163), (391, 33211), (403, 33247), (406, 33256), (409, 33262), (485, 33487),

Gene: Topper_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Topper_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: Tortellini_22 Start: 21866, Stop: 22936, Start Num: 81

Candidate Starts for Tortellini_22:

(Start: 81 @21866 has 84 MA's), (187, 22106), (200, 22142), (202, 22151), (204, 22157), (230, 22202), (248, 22247), (255, 22265), (288, 22292), (330, 22373), (363, 22454), (408, 22592), (409, 22595),

Gene: Tres_33 Start: 32691, Stop: 33854, Start Num: 62

Candidate Starts for Tres_33:

(29, 32544), (Start: 57 @32685 has 11 MA's), (Start: 62 @32691 has 278 MA's), (78, 32730), (91, 32760), (Start: 106 @32805 has 1 MA's), (125, 32850), (171, 32949), (194, 33009), (208, 33045), (220, 33069), (241, 33114), (242, 33120), (265, 33171), (280, 33210), (281, 33213), (285, 33225), (290, 33240), (316, 33264), (330, 33297), (362, 33378), (391, 33471), (403, 33507), (406, 33516), (409, 33522), (485, 33747),

Gene: TreyKay_28 Start: 23290, Stop: 24303, Start Num: 110

Candidate Starts for TreyKay_28:

(87, 23245), (Start: 110 @23290 has 87 MA's), (Start: 160 @23401 has 3 MA's), (202, 23515), (256, 23632), (276, 23674), (283, 23686), (331, 23740), (362, 23818), (387, 23902), (391, 23914), (396, 23926), (409, 23965), (497, 24244),

Gene: TribbleTrouble_27 Start: 23874, Stop: 24935, Start Num: 111

Candidate Starts for TribbleTrouble_27:

(68, 23769), (Start: 111 @23874 has 58 MA's), (123, 23907), (143, 23946), (167, 23997), (170, 24006), (181, 24033), (197, 24081), (230, 24147), (244, 24183), (251, 24198), (258, 24216), (265, 24219), (269, 24234), (305, 24321), (368, 24492), (471, 24792),

Gene: True_32 Start: 32074, Stop: 33234, Start Num: 62

Candidate Starts for True_32:

(Start: 62 @32074 has 278 MA's), (Start: 106 @32185 has 1 MA's), (125, 32230), (171, 32329), (194, 32389), (208, 32425), (220, 32449), (241, 32494), (242, 32500), (265, 32551), (280, 32590), (281, 32593), (285, 32605), (290, 32620), (316, 32644), (330, 32677), (362, 32758), (374, 32803), (391, 32851), (403, 32887), (406, 32896), (409, 32902), (485, 33127),

Gene: TruffulaTree_28 Start: 23319, Stop: 24332, Start Num: 110

Candidate Starts for TruffulaTree_28:

(11, 22875), (87, 23274), (Start: 110 @23319 has 87 MA's), (202, 23544), (256, 23661), (276, 23703), (283, 23715), (331, 23769), (362, 23847), (391, 23943), (396, 23955), (405, 23985), (409, 23994), (443, 24108), (471, 24177),

Gene: Trypo_33 Start: 32370, Stop: 33530, Start Num: 62

Candidate Starts for Trypo_33:

(Start: 62 @32370 has 278 MA's), (Start: 106 @32481 has 1 MA's), (125, 32526), (171, 32625), (194, 32685), (208, 32721), (220, 32745), (241, 32790), (242, 32796), (265, 32847), (280, 32886), (281, 32889), (285, 32901), (290, 32916), (316, 32940), (330, 32973), (362, 33054), (374, 33099), (391,

33147), (403, 33183), (406, 33192), (409, 33198), (485, 33423),

Gene: Twitch_28 Start: 23356, Stop: 24369, Start Num: 110

Candidate Starts for Twitch_28:

(11, 22912), (87, 23311), (Start: 110 @23356 has 87 MA's), (202, 23581), (256, 23698), (276, 23740), (283, 23752), (331, 23806), (362, 23884), (391, 23980), (405, 24022), (409, 24031), (443, 24145), (471, 24214),

Gene: TyDawg_31 Start: 26992, Stop: 28047, Start Num: 81

Candidate Starts for TyDawg_31:

(Start: 81 @26992 has 84 MA's), (176, 27205), (191, 27241), (217, 27304), (254, 27376), (288, 27406), (298, 27427), (317, 27463), (335, 27499), (358, 27547), (362, 27568), (364, 27574), (369, 27604), (371, 27607), (388, 27655), (451, 27844), (461, 27865), (478, 27919),

Gene: Tydolla_33 Start: 32957, Stop: 34159, Start Num: 66

Candidate Starts for Tydolla_33:

(Start: 66 @32957 has 84 MA's), (Start: 77 @32990 has 10 MA's), (135, 33134), (141, 33143), (148, 33152), (166, 33191), (169, 33200), (176, 33218), (194, 33269), (199, 33278), (203, 33290), (205, 33296), (208, 33305), (232, 33350), (238, 33365), (256, 33410), (271, 33449), (283, 33479), (288, 33494), (293, 33506), (312, 33530), (333, 33575), (339, 33596), (344, 33620), (364, 33695), (368, 33725), (391, 33785), (394, 33797), (401, 33815), (425, 33917), (471, 34022), (476, 34028), (479, 34046), (501, 34133),

Gene: Typha_28 Start: 26025, Stop: 27062, Start Num: 81

Candidate Starts for Typha_28:

(Start: 81 @26025 has 84 MA's), (132, 26148), (162, 26202), (176, 26238), (202, 26301), (230, 26349), (253, 26403), (254, 26406), (362, 26592), (369, 26628), (385, 26670), (391, 26688), (409, 26739),

Gene: TyrionL_32 Start: 31933, Stop: 33093, Start Num: 62

Candidate Starts for TyrionL_32:

(Start: 62 @31933 has 278 MA's), (Start: 106 @32044 has 1 MA's), (125, 32089), (171, 32188), (194, 32248), (208, 32284), (220, 32308), (241, 32353), (242, 32359), (265, 32410), (280, 32449), (281, 32452), (285, 32464), (290, 32479), (316, 32503), (330, 32536), (362, 32617), (374, 32662), (391, 32710), (403, 32746), (406, 32755), (409, 32761), (485, 32986),

Gene: Tyson_21 Start: 21688, Stop: 22860, Start Num: 64

Candidate Starts for Tyson_21:

(Start: 61 @21685 has 5 MA's), (Start: 64 @21688 has 31 MA's), (Start: 116 @21814 has 2 MA's), (133, 21856), (139, 21868), (142, 21871), (Start: 160 @21904 has 3 MA's), (165, 21916), (185, 21964), (191, 21982), (203, 22018), (208, 22033), (236, 22084), (246, 22114), (264, 22156), (277, 22180), (310, 22216), (314, 22222), (327, 22249), (340, 22267), (364, 22360), (365, 22363), (389, 22447), (428, 22585), (440, 22603), (471, 22687),

Gene: UAch1_33 Start: 32383, Stop: 33543, Start Num: 62

Candidate Starts for UAch1_33:

(Start: 62 @32383 has 278 MA's), (Start: 106 @32494 has 1 MA's), (125, 32539), (171, 32638), (194, 32698), (208, 32734), (220, 32758), (241, 32803), (242, 32809), (265, 32860), (280, 32899), (281, 32902), (285, 32914), (316, 32953), (330, 32986), (362, 33067), (374, 33112), (391, 33160), (403, 33196), (406, 33205), (409, 33211), (485, 33436),

Gene: UPIE_21 Start: 21683, Stop: 22858, Start Num: 61

Candidate Starts for UPIE_21:

(Start: 61 @21683 has 5 MA's), (Start: 64 @21686 has 31 MA's), (Start: 116 @21812 has 2 MA's), (133, 21854), (139, 21866), (142, 21869), (Start: 160 @21902 has 3 MA's), (165, 21914), (185, 21962), (191, 21980), (203, 22016), (208, 22031), (236, 22082), (246, 22112), (264, 22154), (277, 22178), (310, 22214), (314, 22220), (327, 22247), (340, 22265), (364, 22358), (365, 22361), (389, 22445), (428, 22583), (440, 22601), (471, 22685),

Gene: UncleHowie_33 Start: 32073, Stop: 33233, Start Num: 62

Candidate Starts for UncleHowie_33:

(Start: 62 @32073 has 278 MA's), (Start: 106 @32184 has 1 MA's), (125, 32229), (171, 32328), (194, 32388), (208, 32424), (220, 32448), (241, 32493), (242, 32499), (265, 32550), (280, 32589), (281, 32592), (285, 32604), (290, 32619), (316, 32643), (330, 32676), (362, 32757), (374, 32802), (391, 32850), (403, 32886), (406, 32895), (409, 32901), (485, 33126),

Gene: Unicorn_28 Start: 22720, Stop: 23781, Start Num: 111

Candidate Starts for Unicorn_28:

(68, 22630), (88, 22687), (Start: 111 @22720 has 58 MA's), (158, 22819), (197, 22927), (202, 22939), (210, 22960), (256, 23056), (307, 23170), (329, 23221), (368, 23338), (449, 23581), (458, 23599), (471, 23638),

Gene: Urkel_28 Start: 23284, Stop: 24297, Start Num: 110

Candidate Starts for Urkel_28:

(87, 23239), (Start: 110 @23284 has 87 MA's), (Start: 160 @23395 has 3 MA's), (202, 23509), (256, 23626), (276, 23668), (283, 23680), (331, 23734), (362, 23812), (391, 23908), (396, 23920), (409, 23959), (414, 23995), (471, 24142), (497, 24238),

Gene: Usavi_33 Start: 32374, Stop: 33534, Start Num: 62

Candidate Starts for Usavi_33:

(Start: 62 @32374 has 278 MA's), (Start: 106 @32485 has 1 MA's), (125, 32530), (171, 32629), (194, 32689), (208, 32725), (220, 32749), (241, 32794), (242, 32800), (265, 32851), (280, 32890), (281, 32893), (285, 32905), (290, 32920), (316, 32944), (330, 32977), (362, 33058), (374, 33103), (391, 33151), (403, 33187), (406, 33196), (409, 33202), (485, 33427),

Gene: Vaishali24_32 Start: 32035, Stop: 33195, Start Num: 62

Candidate Starts for Vaishali24_32:

(Start: 62 @32035 has 278 MA's), (Start: 106 @32146 has 1 MA's), (125, 32191), (171, 32290), (194, 32350), (208, 32386), (220, 32410), (241, 32455), (242, 32461), (265, 32512), (280, 32551), (281, 32554), (285, 32566), (316, 32605), (330, 32638), (362, 32719), (374, 32764), (391, 32812), (403, 32848), (406, 32857), (409, 32863), (485, 33088),

Gene: Validus_28 Start: 22666, Stop: 23631, Start Num: 110

Candidate Starts for Validus_28:

(97, 22630), (Start: 110 @22666 has 87 MA's), (112, 22672), (Start: 160 @22780 has 3 MA's), (170, 22807), (191, 22861), (219, 22936), (268, 23029), (289, 23083), (362, 23197), (363, 23200), (389, 23284), (409, 23341), (425, 23395), (450, 23437), (465, 23476),

Gene: Valjean_33 Start: 32366, Stop: 33526, Start Num: 62

Candidate Starts for Valjean_33:

(Start: 62 @32366 has 278 MA's), (Start: 106 @32477 has 1 MA's), (125, 32522), (171, 32621), (194, 32681), (208, 32717), (220, 32741), (241, 32786), (242, 32792), (265, 32843), (280, 32882), (281, 32885), (285, 32897), (316, 32936), (330, 32969), (362, 33050), (374, 33095), (391, 33143), (403, 33179), (406, 33188), (409, 33194), (485, 33419),

Gene: Vanisoa_31 Start: 24621, Stop: 25826, Start Num: 62

Candidate Starts for Vanisoa_31:

(Start: 62 @24621 has 278 MA's), (128, 24786), (135, 24798), (139, 24804), (142, 24807), (188, 24909), (199, 24942), (232, 25014), (241, 25038), (251, 25062), (284, 25146), (362, 25353), (363, 25356), (370, 25389), (409, 25500), (460, 25656),

Gene: Vaticameos_33 Start: 32064, Stop: 33224, Start Num: 62

Candidate Starts for Vaticameos_33:

(Start: 62 @32064 has 278 MA's), (Start: 106 @32175 has 1 MA's), (125, 32220), (171, 32319), (194, 32379), (208, 32415), (220, 32439), (241, 32484), (242, 32490), (265, 32541), (280, 32580), (281, 32583), (285, 32595), (290, 32610), (316, 32634), (330, 32667), (362, 32748), (374, 32793), (391, 32841), (403, 32877), (406, 32886), (409, 32892), (485, 33117),

Gene: Veliki_28 Start: 23359, Stop: 24372, Start Num: 110

Candidate Starts for Veliki_28:

(11, 22915), (27, 23062), (87, 23314), (Start: 110 @23359 has 87 MA's), (Start: 160 @23470 has 3 MA's), (202, 23584), (256, 23701), (276, 23743), (283, 23755), (331, 23809), (362, 23887), (391, 23983), (396, 23995), (405, 24025), (409, 24034), (443, 24148), (471, 24217),

Gene: Velveteen_20 Start: 20087, Stop: 21244, Start Num: 60

Candidate Starts for Velveteen_20:

(Start: 60 @20087 has 3 MA's), (Start: 66 @20090 has 84 MA's), (Start: 113 @20219 has 1 MA's), (123, 20249), (134, 20279), (140, 20288), (148, 20303), (161, 20327), (170, 20351), (174, 20363), (202, 20438), (205, 20447), (214, 20471), (225, 20501), (284, 20585), (285, 20588), (293, 20609), (388, 20858), (391, 20867), (401, 20897), (409, 20918), (423, 20987), (502, 21221),

Gene: Venti_22 Start: 21299, Stop: 22336, Start Num: 81

Candidate Starts for Venti_22:

(71, 21275), (Start: 79 @21296 has 6 MA's), (Start: 81 @21299 has 84 MA's), (90, 21323), (157, 21461), (171, 21503), (200, 21572), (230, 21632), (248, 21677), (288, 21722), (330, 21803), (358, 21860), (363, 21884), (396, 21989), (413, 22061), (431, 22106), (495, 22271),

Gene: Veritas_32 Start: 31936, Stop: 33096, Start Num: 62

Candidate Starts for Veritas_32:

(Start: 62 @31936 has 278 MA's), (Start: 106 @32047 has 1 MA's), (125, 32092), (171, 32191), (194, 32251), (208, 32287), (220, 32311), (241, 32356), (242, 32362), (265, 32413), (280, 32452), (281, 32455), (285, 32467), (316, 32506), (330, 32539), (362, 32620), (391, 32713), (403, 32749), (406, 32758), (409, 32764), (485, 32989),

Gene: Vidya_22 Start: 21299, Stop: 22336, Start Num: 81

Candidate Starts for Vidya_22:

(71, 21275), (Start: 79 @21296 has 6 MA's), (Start: 81 @21299 has 84 MA's), (90, 21323), (157, 21461), (171, 21503), (200, 21572), (230, 21632), (248, 21677), (288, 21722), (330, 21803), (358, 21860), (363, 21884), (396, 21989), (413, 22061), (431, 22106), (495, 22271),

Gene: Vincenzo_31 Start: 33326, Stop: 34483, Start Num: 66

Candidate Starts for Vincenzo_31:

(Start: 66 @33326 has 84 MA's), (102, 33419), (Start: 106 @33434 has 1 MA's), (114, 33449), (118, 33461), (125, 33479), (169, 33569), (190, 33620), (192, 33629), (199, 33647), (208, 33674), (221, 33689), (225, 33695), (227, 33701), (244, 33734), (249, 33743), (267, 33776), (284, 33809), (288, 33821), (311, 33854), (320, 33869), (332, 33899), (339, 33905), (355, 33971), (361, 33995), (363, 34004), (409, 34151), (459, 34304),

Gene: VioletZ_30 Start: 32678, Stop: 33835, Start Num: 66

Candidate Starts for VioletZ_30:

(Start: 66 @32678 has 84 MA's), (102, 32771), (Start: 106 @32786 has 1 MA's), (114, 32801), (118, 32813), (125, 32831), (150, 32873), (169, 32921), (190, 32972), (192, 32981), (199, 32999), (208, 33026), (221, 33041), (225, 33047), (227, 33053), (232, 33059), (244, 33086), (249, 33095), (267, 33128), (284, 33161), (320, 33221), (332, 33251), (339, 33257), (351, 33302), (363, 33356), (364, 33359), (409, 33503), (459, 33656),

Gene: Virapocalypse_33 Start: 32361, Stop: 33521, Start Num: 62

Candidate Starts for Virapocalypse_33:

(Start: 62 @32361 has 278 MA's), (Start: 106 @32472 has 1 MA's), (125, 32517), (171, 32616), (194, 32676), (208, 32712), (220, 32736), (241, 32781), (242, 32787), (265, 32838), (280, 32877), (281, 32880), (285, 32892), (316, 32931), (330, 32964), (362, 33045), (374, 33090), (391, 33138), (403, 33174), (406, 33183), (409, 33189), (485, 33414),

Gene: Virgeve_32 Start: 32141, Stop: 33301, Start Num: 62

Candidate Starts for Virgeve_32:

(Start: 62 @32141 has 278 MA's), (Start: 106 @32252 has 1 MA's), (125, 32297), (171, 32396), (194, 32456), (208, 32492), (220, 32516), (241, 32561), (242, 32567), (265, 32618), (280, 32657), (281, 32660), (285, 32672), (316, 32711), (330, 32744), (362, 32825), (374, 32870), (391, 32918), (403, 32954), (406, 32963), (409, 32969), (485, 33194),

Gene: Vista_33 Start: 32374, Stop: 33534, Start Num: 62

Candidate Starts for Vista_33:

(Start: 62 @32374 has 278 MA's), (Start: 106 @32485 has 1 MA's), (125, 32530), (171, 32629), (194, 32689), (208, 32725), (220, 32749), (241, 32794), (242, 32800), (265, 32851), (280, 32890), (281, 32893), (285, 32905), (290, 32920), (316, 32944), (330, 32977), (362, 33058), (374, 33103), (391, 33151), (403, 33187), (406, 33196), (409, 33202), (485, 33427),

Gene: Vivaldi_33 Start: 32403, Stop: 33563, Start Num: 62

Candidate Starts for Vivaldi_33:

(Start: 62 @32403 has 278 MA's), (Start: 106 @32514 has 1 MA's), (125, 32559), (171, 32658), (194, 32718), (208, 32754), (220, 32778), (241, 32823), (242, 32829), (265, 32880), (280, 32919), (281, 32922), (285, 32934), (316, 32973), (330, 33006), (362, 33087), (374, 33132), (391, 33180), (403, 33216), (406, 33225), (409, 33231), (485, 33456),

Gene: Vortex_33 Start: 32080, Stop: 33240, Start Num: 62

Candidate Starts for Vortex_33:

(Start: 62 @32080 has 278 MA's), (Start: 106 @32191 has 1 MA's), (125, 32236), (171, 32335), (194, 32395), (208, 32431), (220, 32455), (241, 32500), (242, 32506), (265, 32557), (280, 32596), (281, 32599), (285, 32611), (316, 32650), (330, 32683), (362, 32764), (374, 32809), (391, 32857), (403, 32893), (406, 32902), (409, 32908), (485, 33133),

Gene: Waleliano_30 Start: 32605, Stop: 33762, Start Num: 66

Candidate Starts for Waleliano_30:

(Start: 66 @32605 has 84 MA's), (102, 32698), (Start: 106 @32713 has 1 MA's), (114, 32728), (118, 32740), (125, 32758), (150, 32800), (190, 32899), (192, 32908), (199, 32926), (208, 32953), (221, 32968), (225, 32974), (227, 32980), (232, 32986), (244, 33013), (249, 33022), (267, 33055), (284, 33088), (320, 33148), (332, 33178), (339, 33184), (343, 33205), (351, 33229), (363, 33283), (364, 33286), (459, 33583),

Gene: Wallhey_32 Start: 31937, Stop: 33097, Start Num: 62

Candidate Starts for Wallhey_32:

(Start: 62 @31937 has 278 MA's), (Start: 106 @32048 has 1 MA's), (125, 32093), (171, 32192), (194, 32252), (208, 32288), (220, 32312), (241, 32357), (242, 32363), (265, 32414), (280, 32453), (281, 32456), (285, 32468), (290, 32483), (316, 32507), (330, 32540), (362, 32621), (374, 32666), (391, 32714), (403, 32750), (406, 32759), (409, 32765), (485, 32990),

Gene: Wamburgexpress_21 Start: 21701, Stop: 22873, Start Num: 64

Candidate Starts for Wamburgexpress_21:

(Start: 61 @21698 has 5 MA's), (Start: 64 @21701 has 31 MA's), (Start: 116 @21827 has 2 MA's), (133, 21869), (139, 21881), (142, 21884), (Start: 160 @21917 has 3 MA's), (165, 21929), (185, 21977), (191, 21995), (203, 22031), (208, 22046), (236, 22097), (246, 22127), (264, 22169), (277, 22193), (310, 22229), (314, 22235), (327, 22262), (340, 22280), (364, 22373), (365, 22376), (389, 22460), (428, 22598), (440, 22616), (471, 22700),

Gene: Waterdiva_33 Start: 32366, Stop: 33526, Start Num: 62

Candidate Starts for Waterdiva_33:

(Start: 62 @32366 has 278 MA's), (Start: 106 @32477 has 1 MA's), (125, 32522), (171, 32621), (194, 32681), (208, 32717), (220, 32741), (241, 32786), (242, 32792), (265, 32843), (280, 32882), (281, 32885), (285, 32897), (290, 32912), (316, 32936), (330, 32969), (362, 33050), (374, 33095), (391, 33143), (403, 33179), (406, 33188), (409, 33194), (485, 33419),

Gene: Waterfoul_27 Start: 23954, Stop: 25021, Start Num: 81

Candidate Starts for Waterfoul_27:

(Start: 81 @23954 has 84 MA's), (129, 24071), (180, 24176), (182, 24182), (204, 24242), (210, 24257), (230, 24284), (245, 24323), (248, 24326), (253, 24338), (254, 24341), (255, 24344), (284, 24359), (303, 24404), (306, 24410), (335, 24464), (358, 24512), (365, 24542), (384, 24587), (415, 24716), (429, 24770),

Gene: Weher20_33 Start: 32365, Stop: 33525, Start Num: 62

Candidate Starts for Weher20_33:

(Start: 62 @32365 has 278 MA's), (Start: 106 @32476 has 1 MA's), (125, 32521), (171, 32620), (194, 32680), (208, 32716), (220, 32740), (241, 32785), (242, 32791), (265, 32842), (280, 32881), (281, 32884), (285, 32896), (316, 32935), (330, 32968), (362, 33049), (391, 33142), (403, 33178), (406, 33187), (409, 33193), (485, 33418),

Gene: West99_33 Start: 32811, Stop: 33974, Start Num: 62

Candidate Starts for West99_33:

(29, 32664), (Start: 57 @32805 has 11 MA's), (Start: 62 @32811 has 278 MA's), (78, 32850), (91, 32880), (Start: 106 @32925 has 1 MA's), (125, 32970), (171, 33069), (194, 33129), (208, 33165), (220, 33189), (241, 33234), (242, 33240), (265, 33291), (280, 33330), (281, 33333), (285, 33345), (290, 33360), (316, 33384), (330, 33417), (362, 33498), (374, 33543), (391, 33591), (403, 33627), (406, 33636), (409, 33642), (485, 33867),

Gene: WheatThin_27 Start: 23315, Stop: 24382, Start Num: 82

Candidate Starts for WheatThin_27:

(Start: 82 @23315 has 13 MA's), (177, 23525), (253, 23693), (350, 23834), (354, 23849), (358, 23861), (363, 23885), (387, 23969), (426, 24116),

Gene: Whirlwind_23 Start: 22004, Stop: 23203, Start Num: 64

Candidate Starts for Whirlwind_23:

(Start: 64 @22004 has 31 MA's), (118, 22136), (139, 22184), (164, 22229), (166, 22235), (181, 22271), (193, 22310), (196, 22316), (199, 22322), (215, 22364), (249, 22436), (268, 22484), (273, 22496), (275, 22502), (317, 22571), (340, 22640), (362, 22733), (370, 22769), (389, 22823), (394, 22841), (460, 23033), (493, 23141),

Gene: Willsammy_22 Start: 21571, Stop: 22605, Start Num: 81

Candidate Starts for Willsammy_22:

(Start: 81 @21571 has 84 MA's), (153, 21727), (157, 21733), (197, 21841), (200, 21844), (204, 21859), (248, 21946), (288, 21991), (330, 22072), (358, 22129), (363, 22153), (396, 22258), (413, 22330), (431, 22375),

Gene: Windsor_32 Start: 32070, Stop: 33230, Start Num: 62

Candidate Starts for Windsor_32:

(Start: 62 @32070 has 278 MA's), (Start: 106 @32181 has 1 MA's), (125, 32226), (171, 32325), (194, 32385), (208, 32421), (220, 32445), (241, 32490), (242, 32496), (265, 32547), (280, 32586), (281, 32589), (285, 32601), (316, 32640), (330, 32673), (362, 32754), (374, 32799), (391, 32847), (403, 32883), (406, 32892), (409, 32898), (485, 33123),

Gene: Wintermute_29 Start: 24585, Stop: 25589, Start Num: 111

Candidate Starts for Wintermute_29:

(Start: 111 @24585 has 58 MA's), (138, 24654), (185, 24753), (201, 24798), (230, 24858), (235, 24867), (248, 24903), (269, 24948), (278, 24969), (282, 24975), (283, 24978), (362, 25110), (363, 25113), (401, 25236), (409, 25257), (494, 25524),

Gene: Wyatt2_21 Start: 21688, Stop: 22860, Start Num: 64

Candidate Starts for Wyatt2_21:

(Start: 61 @21685 has 5 MA's), (Start: 64 @21688 has 31 MA's), (Start: 116 @21814 has 2 MA's), (133, 21856), (139, 21868), (142, 21871), (Start: 160 @21904 has 3 MA's), (165, 21916), (185, 21964), (191, 21982), (203, 22018), (208, 22033), (236, 22084), (246, 22114), (264, 22156), (277, 22180), (310, 22216), (314, 22222), (327, 22249), (340, 22267), (364, 22360), (365, 22363), (389, 22447), (428, 22585), (440, 22603), (471, 22687),

Gene: Xavia_22 Start: 21888, Stop: 22955, Start Num: 81

Candidate Starts for Xavia_22:

(Start: 81 @21888 has 84 MA's), (157, 22050), (171, 22092), (200, 22161), (230, 22221), (248, 22266), (255, 22284), (288, 22311), (330, 22392), (358, 22449), (363, 22473), (412, 22644),

Gene: Xavier_32 Start: 32087, Stop: 33247, Start Num: 62

Candidate Starts for Xavier_32:

(Start: 62 @32087 has 278 MA's), (Start: 106 @32198 has 1 MA's), (125, 32243), (171, 32342), (194, 32402), (208, 32438), (220, 32462), (241, 32507), (242, 32513), (265, 32564), (280, 32603), (281, 32606), (285, 32618), (316, 32657), (330, 32690), (362, 32771), (391, 32864), (403, 32900), (406, 32909), (409, 32915), (485, 33140),

Gene: Xeno_21 Start: 20200, Stop: 21240, Start Num: 77

Candidate Starts for Xeno_21:

(Start: 77 @20200 has 10 MA's), (157, 20365), (171, 20407), (200, 20476), (230, 20536), (248, 20581), (288, 20626), (330, 20707), (358, 20764), (363, 20788), (396, 20893), (413, 20965), (431, 21010),

Gene: Ximenita_29 Start: 22823, Stop: 23818, Start Num: 111

Candidate Starts for Ximenita_29:

(68, 22733), (Start: 111 @22823 has 58 MA's), (158, 22922), (Start: 160 @22928 has 3 MA's), (217, 23078), (256, 23159), (362, 23345), (363, 23348), (388, 23432), (458, 23627), (496, 23756), (499, 23777), (502, 23795),

Gene: Xula_21 Start: 20946, Stop: 22157, Start Num: 66

Candidate Starts for Xula_21:

(Start: 66 @20946 has 84 MA's), (73, 20970), (95, 21027), (Start: 113 @21075 has 1 MA's), (134, 21135), (140, 21144), (148, 21159), (161, 21183), (170, 21207), (174, 21219), (189, 21255), (202, 21294), (205, 21303), (214, 21327), (225, 21357), (261, 21441), (263, 21444), (270, 21465), (284, 21501), (285, 21504), (293, 21525), (309, 21567), (362, 21684), (372, 21720), (377, 21726), (409, 21831), (427, 21912),

Gene: Y10_29 Start: 24585, Stop: 25589, Start Num: 111

Candidate Starts for Y10_29:

(Start: 111 @24585 has 58 MA's), (138, 24654), (185, 24753), (201, 24798), (202, 24804), (230, 24858), (235, 24867), (248, 24903), (269, 24948), (278, 24969), (282, 24975), (283, 24978), (362, 25110), (363, 25113), (401, 25236), (409, 25257), (494, 25524),

Gene: Y2_29 Start: 24585, Stop: 25589, Start Num: 111

Candidate Starts for Y2_29:

(Start: 111 @24585 has 58 MA's), (138, 24654), (185, 24753), (201, 24798), (202, 24804), (230, 24858), (235, 24867), (248, 24903), (269, 24948), (278, 24969), (282, 24975), (283, 24978), (362, 25110), (363, 25113), (401, 25236), (409, 25257), (494, 25524),

Gene: Yahalom_33 Start: 32232, Stop: 33434, Start Num: 66

Candidate Starts for Yahalom_33:

(Start: 66 @32232 has 84 MA's), (Start: 77 @32265 has 10 MA's), (135, 32409), (141, 32418), (148, 32427), (166, 32466), (169, 32475), (176, 32493), (185, 32511), (191, 32529), (192, 32535), (196, 32547), (203, 32565), (208, 32580), (225, 32613), (238, 32640), (256, 32685), (287, 32766), (298, 32793), (317, 32811), (324, 32829), (339, 32871), (368, 33000), (401, 33090), (425, 33192), (452, 33249), (458, 33258), (471, 33297), (489, 33369), (502, 33411),

Gene: Yinz_33 Start: 32255, Stop: 33457, Start Num: 66

Candidate Starts for Yinz_33:

(Start: 66 @32255 has 84 MA's), (Start: 77 @32288 has 10 MA's), (135, 32432), (141, 32441), (148, 32450), (166, 32489), (169, 32498), (176, 32516), (185, 32534), (191, 32552), (192, 32558), (196, 32570), (203, 32588), (208, 32603), (225, 32636), (238, 32663), (256, 32708), (287, 32789), (298, 32816), (317, 32834), (324, 32852), (339, 32894), (368, 33023), (379, 33032), (401, 33113), (425, 33215), (452, 33272), (458, 33281), (471, 33320), (489, 33392), (502, 33434),

Gene: Yoshand_33 Start: 32373, Stop: 33533, Start Num: 62

Candidate Starts for Yoshand_33:

(Start: 62 @32373 has 278 MA's), (Start: 106 @32484 has 1 MA's), (125, 32529), (171, 32628), (194, 32688), (208, 32724), (220, 32748), (241, 32793), (242, 32799), (265, 32850), (280, 32889), (281, 32892), (285, 32904), (290, 32919), (316, 32943), (330, 32976), (362, 33057), (374, 33102), (391, 33150), (403, 33186), (406, 33195), (409, 33201), (485, 33426),

Gene: YouGoGlencoco_33 Start: 32368, Stop: 33528, Start Num: 62

Candidate Starts for YouGoGlencoco_33:

(Start: 62 @32368 has 278 MA's), (Start: 106 @32479 has 1 MA's), (125, 32524), (171, 32623), (194, 32683), (208, 32719), (220, 32743), (241, 32788), (242, 32794), (265, 32845), (280, 32884), (281, 32887), (285, 32899), (290, 32914), (316, 32938), (330, 32971), (362, 33052), (374, 33097), (391, 33145), (403, 33181), (406, 33190), (409, 33196), (485, 33421),

Gene: YoureAdopted_27 Start: 23292, Stop: 24305, Start Num: 110

Candidate Starts for YoureAdopted_27:

(11, 22848), (27, 22995), (87, 23247), (Start: 110 @23292 has 87 MA's), (Start: 160 @23403 has 3 MA's), (202, 23517), (256, 23634), (276, 23676), (283, 23688), (331, 23742), (362, 23820), (391,

23916), (396, 23928), (405, 23958), (409, 23967), (413, 24000), (443, 24081), (471, 24150),

Gene: Yuna_29 Start: 23206, Stop: 24168, Start Num: 110

Candidate Starts for Yuna_29:

(Start: 110 @23206 has 87 MA's), (222, 23476), (231, 23485), (242, 23518), (249, 23530), (253, 23539), (268, 23566), (350, 23689), (363, 23740), (386, 23809), (392, 23830), (435, 23950),

Gene: Yunkel11_28 Start: 22542, Stop: 23603, Start Num: 110

Candidate Starts for Yunkel11_28:

(Start: 110 @22542 has 87 MA's), (Start: 160 @22656 has 3 MA's), (202, 22770), (210, 22791), (253, 22878), (266, 22899), (268, 22905), (346, 23013), (362, 23073), (393, 23193), (394, 23199), (395, 23205), (413, 23295), (461, 23421), (465, 23436),

Gene: Zabiza_29 Start: 23434, Stop: 24336, Start Num: 160

Candidate Starts for Zabiza_29:

(11, 22879), (27, 23026), (87, 23278), (Start: 110 @23323 has 87 MA's), (Start: 160 @23434 has 3 MA's), (202, 23548), (256, 23665), (276, 23707), (283, 23719), (331, 23773), (362, 23851), (391, 23947), (396, 23959), (405, 23989), (409, 23998), (443, 24112), (471, 24181),

Gene: Zaider_34 Start: 32598, Stop: 33758, Start Num: 62

Candidate Starts for Zaider_34:

(Start: 62 @32598 has 278 MA's), (Start: 106 @32709 has 1 MA's), (125, 32754), (171, 32853), (194, 32913), (208, 32949), (220, 32973), (241, 33018), (242, 33024), (265, 33075), (280, 33114), (281, 33117), (285, 33129), (290, 33144), (316, 33168), (330, 33201), (362, 33282), (374, 33327), (391, 33375), (403, 33411), (406, 33420), (409, 33426), (485, 33651),

Gene: Zaria_21 Start: 21702, Stop: 22874, Start Num: 64

Candidate Starts for Zaria_21:

(Start: 61 @21699 has 5 MA's), (Start: 64 @21702 has 31 MA's), (Start: 116 @21828 has 2 MA's), (133, 21870), (139, 21882), (142, 21885), (Start: 160 @21918 has 3 MA's), (165, 21930), (168, 21939), (185, 21978), (191, 21996), (203, 22032), (208, 22047), (236, 22098), (246, 22128), (264, 22170), (277, 22194), (310, 22230), (314, 22236), (327, 22263), (340, 22281), (364, 22374), (365, 22377), (389, 22461), (428, 22599), (440, 22617), (471, 22701),

Gene: Zavala_28 Start: 23298, Stop: 24311, Start Num: 110

Candidate Starts for Zavala_28:

(11, 22854), (87, 23253), (Start: 110 @23298 has 87 MA's), (202, 23523), (256, 23640), (276, 23682), (283, 23694), (331, 23748), (362, 23826), (391, 23922), (396, 23934), (405, 23964), (409, 23973), (443, 24087), (471, 24156),

Gene: Zelda_33 Start: 32415, Stop: 33575, Start Num: 62

Candidate Starts for Zelda_33:

(Start: 62 @32415 has 278 MA's), (Start: 106 @32526 has 1 MA's), (125, 32571), (171, 32670), (194, 32730), (208, 32766), (220, 32790), (241, 32835), (242, 32841), (265, 32892), (280, 32931), (281, 32934), (285, 32946), (316, 32985), (330, 33018), (362, 33099), (374, 33144), (391, 33192), (403, 33228), (406, 33237), (409, 33243), (485, 33468),

Gene: Zemanar_31 Start: 32608, Stop: 33765, Start Num: 66

Candidate Starts for Zemanar_31:

(Start: 66 @32608 has 84 MA's), (102, 32701), (Start: 106 @32716 has 1 MA's), (114, 32731), (118, 32743), (125, 32761), (150, 32803), (190, 32902), (192, 32911), (199, 32929), (208, 32956), (221, 32971), (225, 32977), (227, 32983), (232, 32989), (244, 33016), (249, 33025), (267, 33058), (284, 33091), (320, 33151), (332, 33181), (339, 33187), (351, 33232), (363, 33286), (364, 33289), (409,

33433), (459, 33586),

Gene: Zenteno07_35 Start: 31167, Stop: 32306, Start Num: 56

Candidate Starts for Zenteno07_35:

(22, 30954), (Start: 56 @31167 has 1 MA's), (75, 31209), (97, 31257), (Start: 106 @31287 has 1 MA's), (Start: 116 @31308 has 2 MA's), (142, 31368), (166, 31416), (167, 31419), (169, 31425), (181, 31452), (190, 31476), (192, 31485), (210, 31536), (265, 31656), (272, 31674), (364, 31860), (383, 31905), (404, 31989), (409, 32001), (417, 32040), (445, 32118),

Gene: Zilizebeth_22 Start: 21299, Stop: 22336, Start Num: 81

Candidate Starts for Zilizebeth_22:

(71, 21275), (Start: 79 @21296 has 6 MA's), (Start: 81 @21299 has 84 MA's), (90, 21323), (157, 21461), (171, 21503), (200, 21572), (230, 21632), (248, 21677), (288, 21722), (330, 21803), (358, 21860), (363, 21884), (396, 21989), (413, 22061), (431, 22106), (495, 22271),

Gene: ZoeJ_25 Start: 21223, Stop: 22245, Start Num: 111

Candidate Starts for ZoeJ_25:

(41, 21040), (68, 21139), (Start: 111 @21223 has 58 MA's), (158, 21325), (179, 21379), (181, 21385), (201, 21439), (202, 21445), (203, 21448), (241, 21526), (250, 21547), (251, 21550), (276, 21604), (364, 21754), (500, 22213), (502, 22222),

Gene: Zonia_33 Start: 32387, Stop: 33547, Start Num: 62

Candidate Starts for Zonia_33:

(Start: 62 @32387 has 278 MA's), (Start: 106 @32498 has 1 MA's), (125, 32543), (171, 32642), (194, 32702), (208, 32738), (220, 32762), (241, 32807), (242, 32813), (265, 32864), (280, 32903), (281, 32906), (285, 32918), (290, 32933), (316, 32957), (330, 32990), (362, 33071), (374, 33116), (391, 33164), (403, 33200), (406, 33209), (409, 33215), (485, 33440),