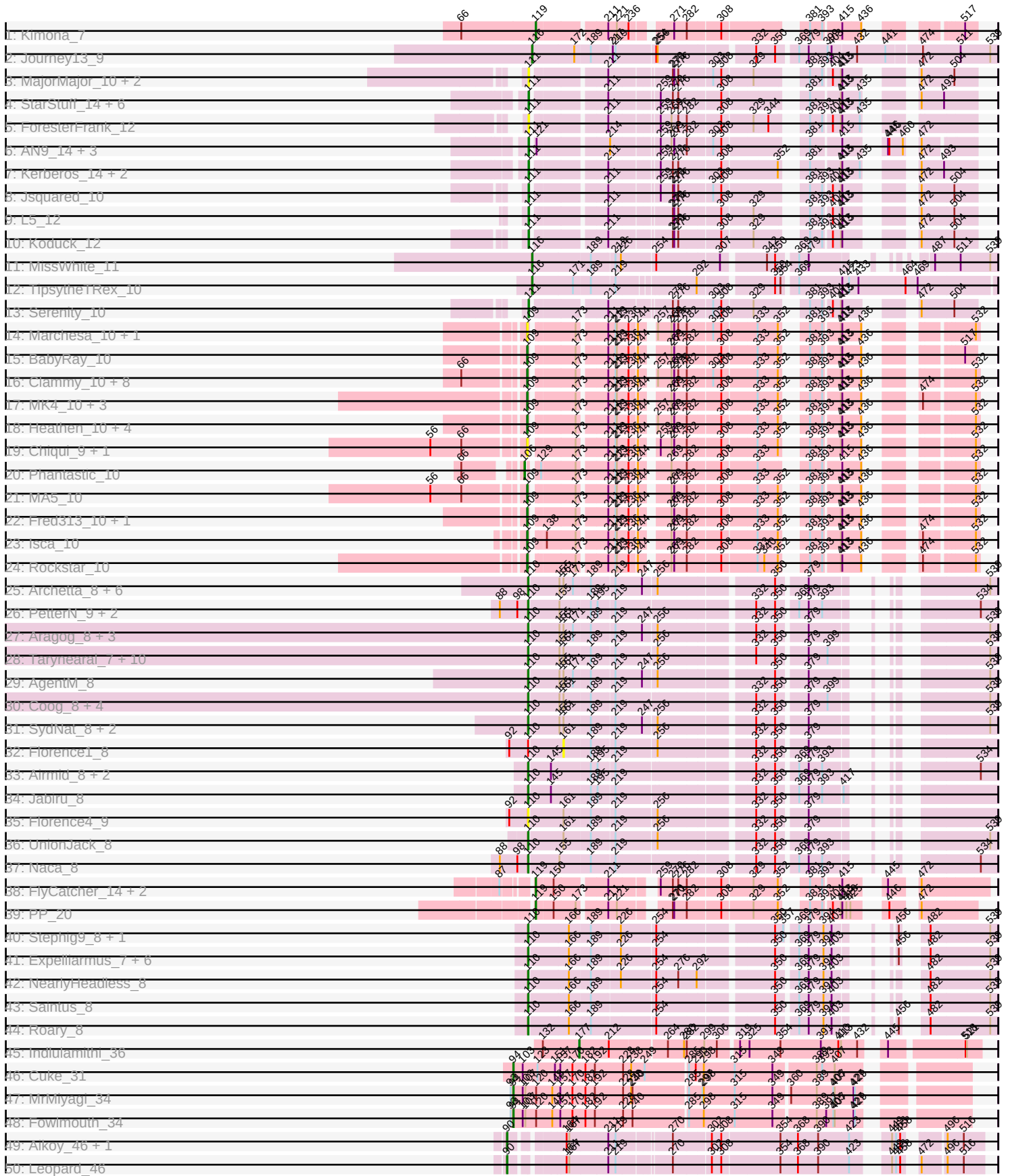
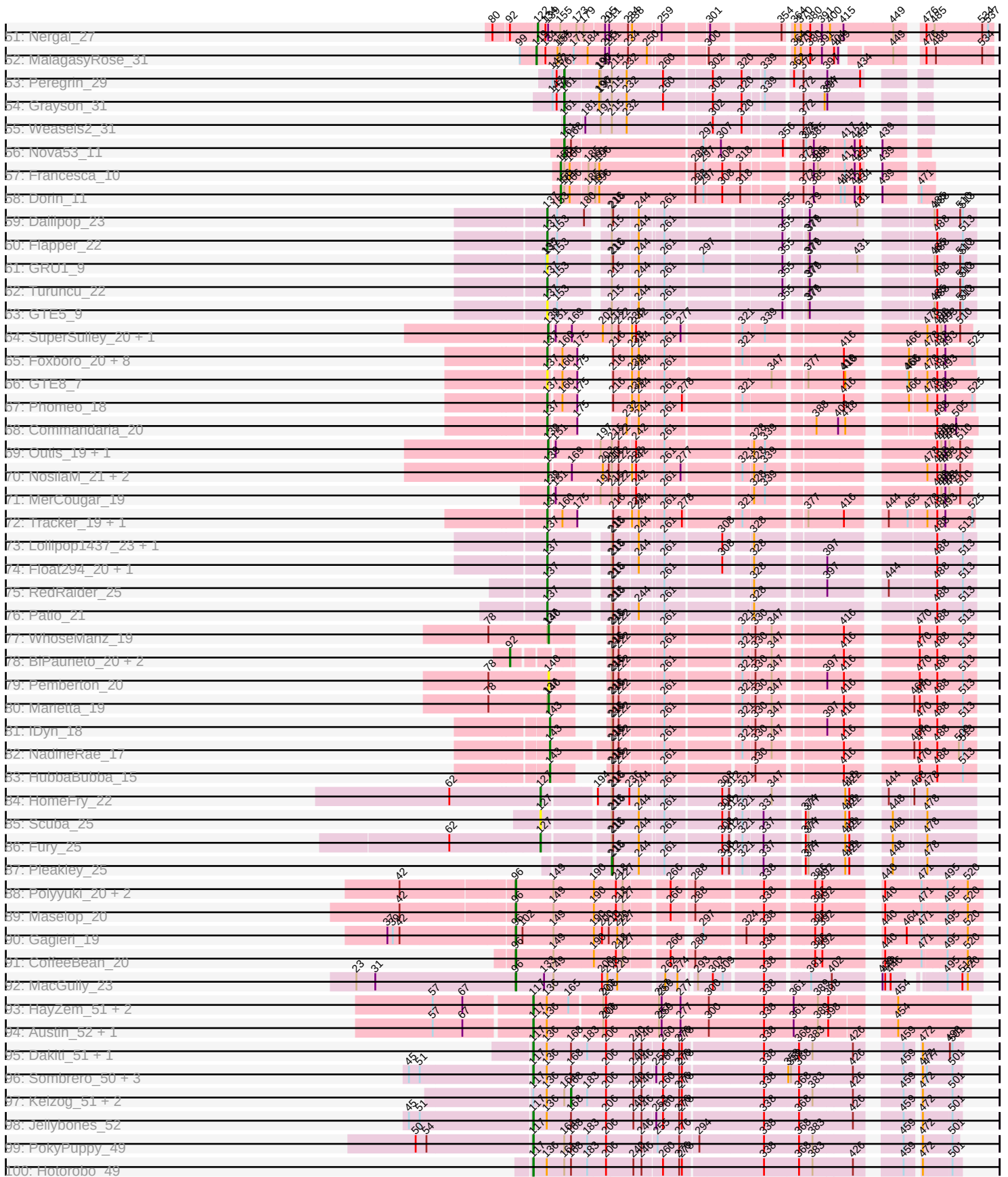


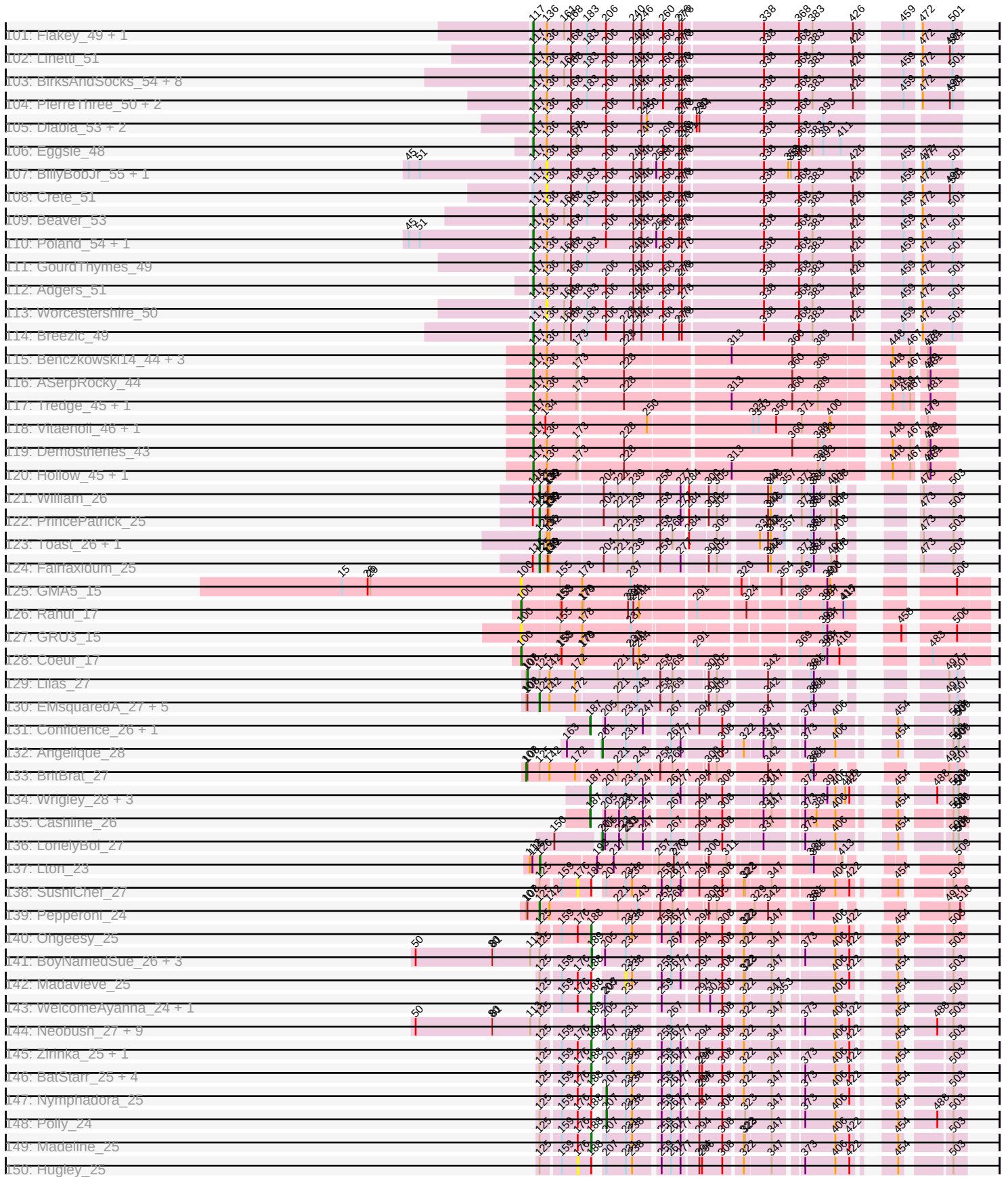
Zoomed Pham 311020



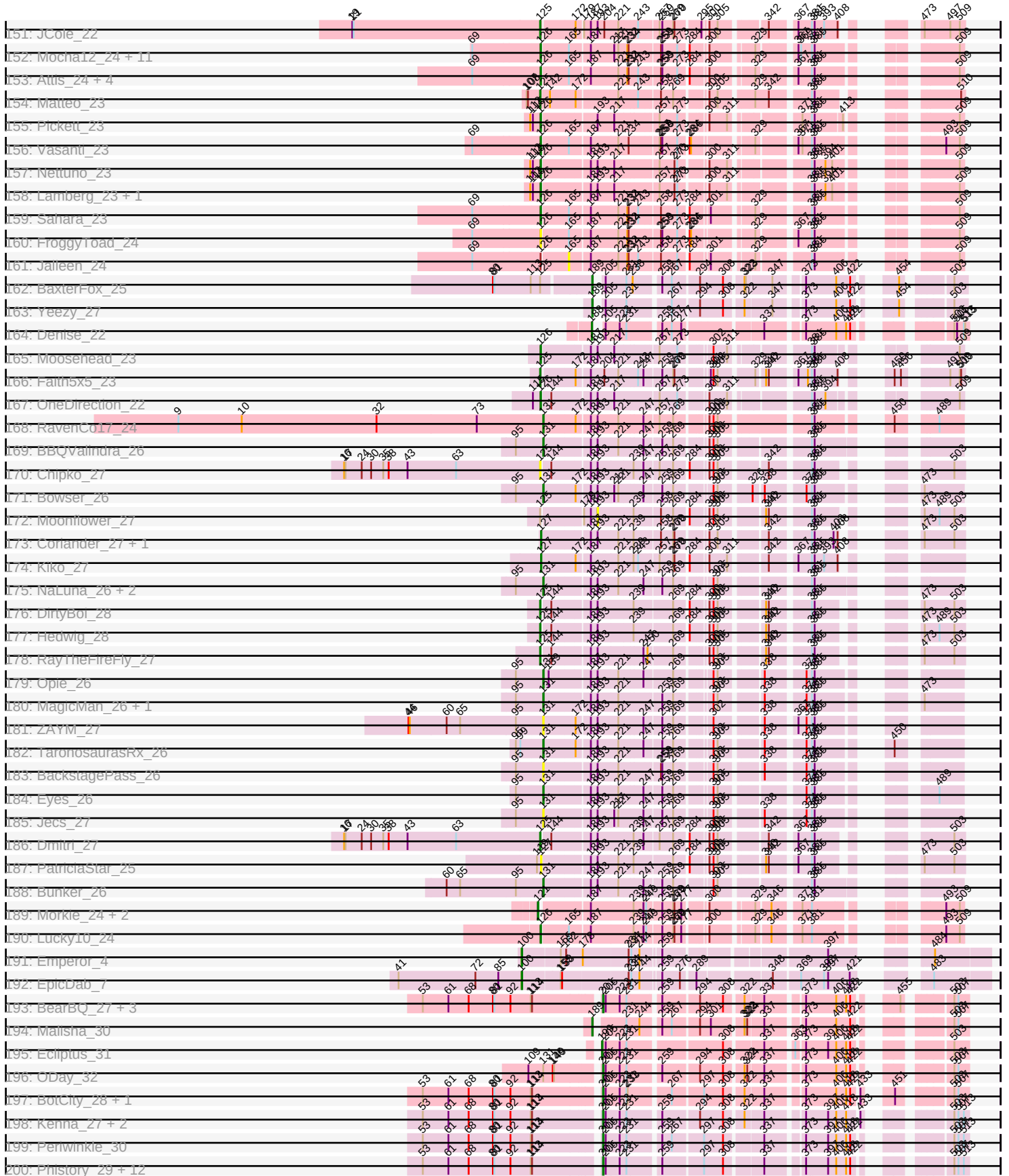
Zoomed Pham 311020



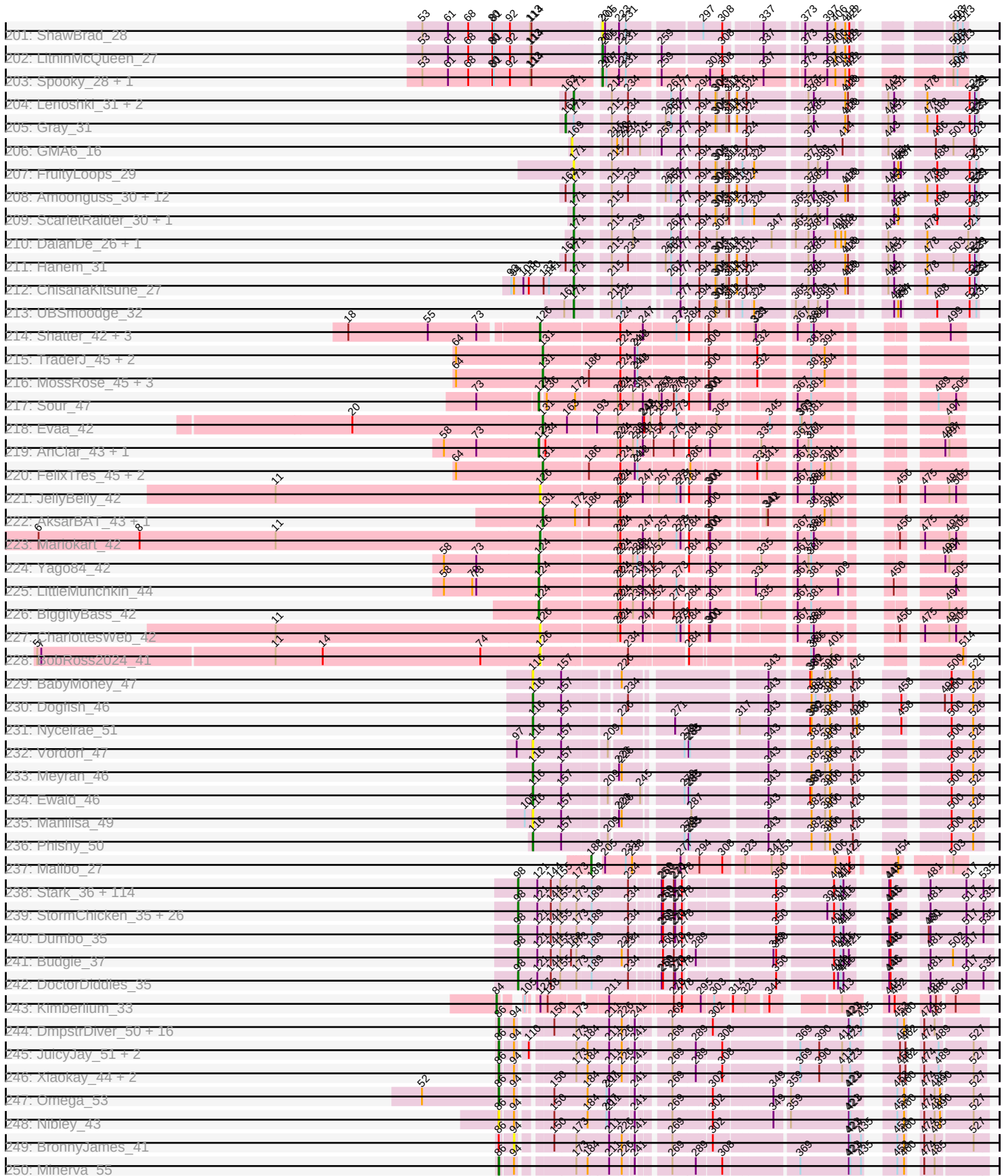
Zoomed Pham 311020



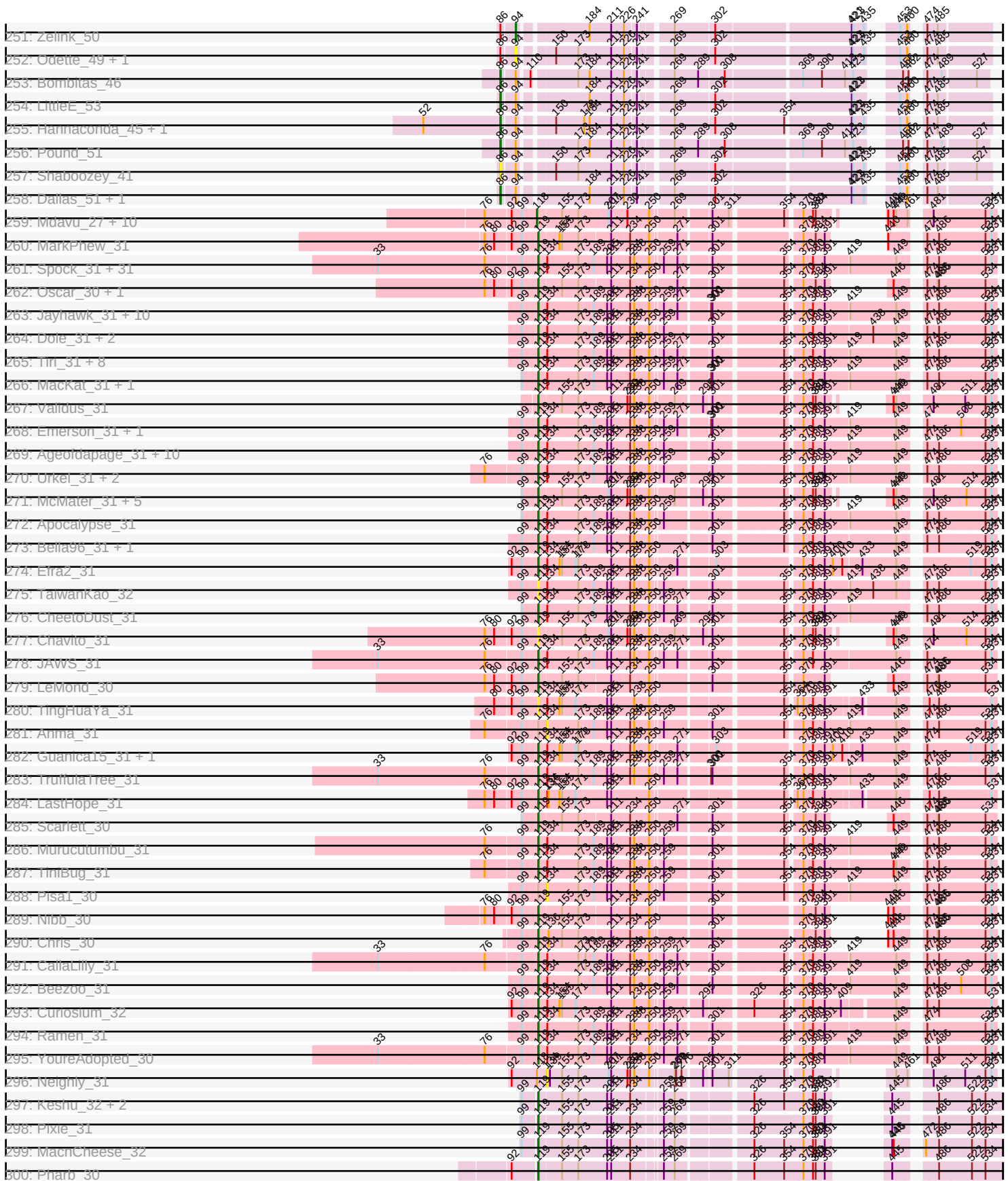
Zoomed Pham 311020



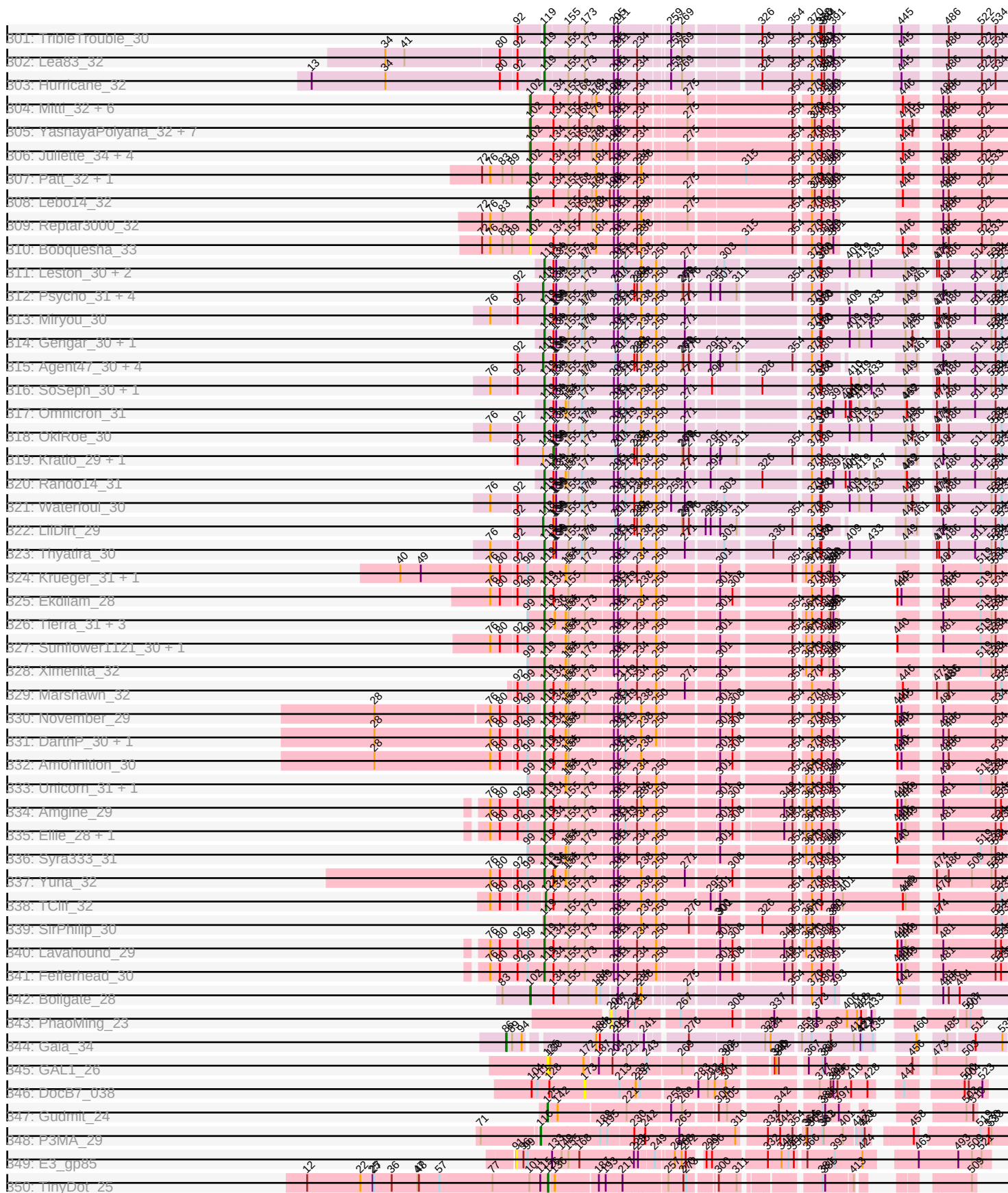
Zoomed Pham 311020



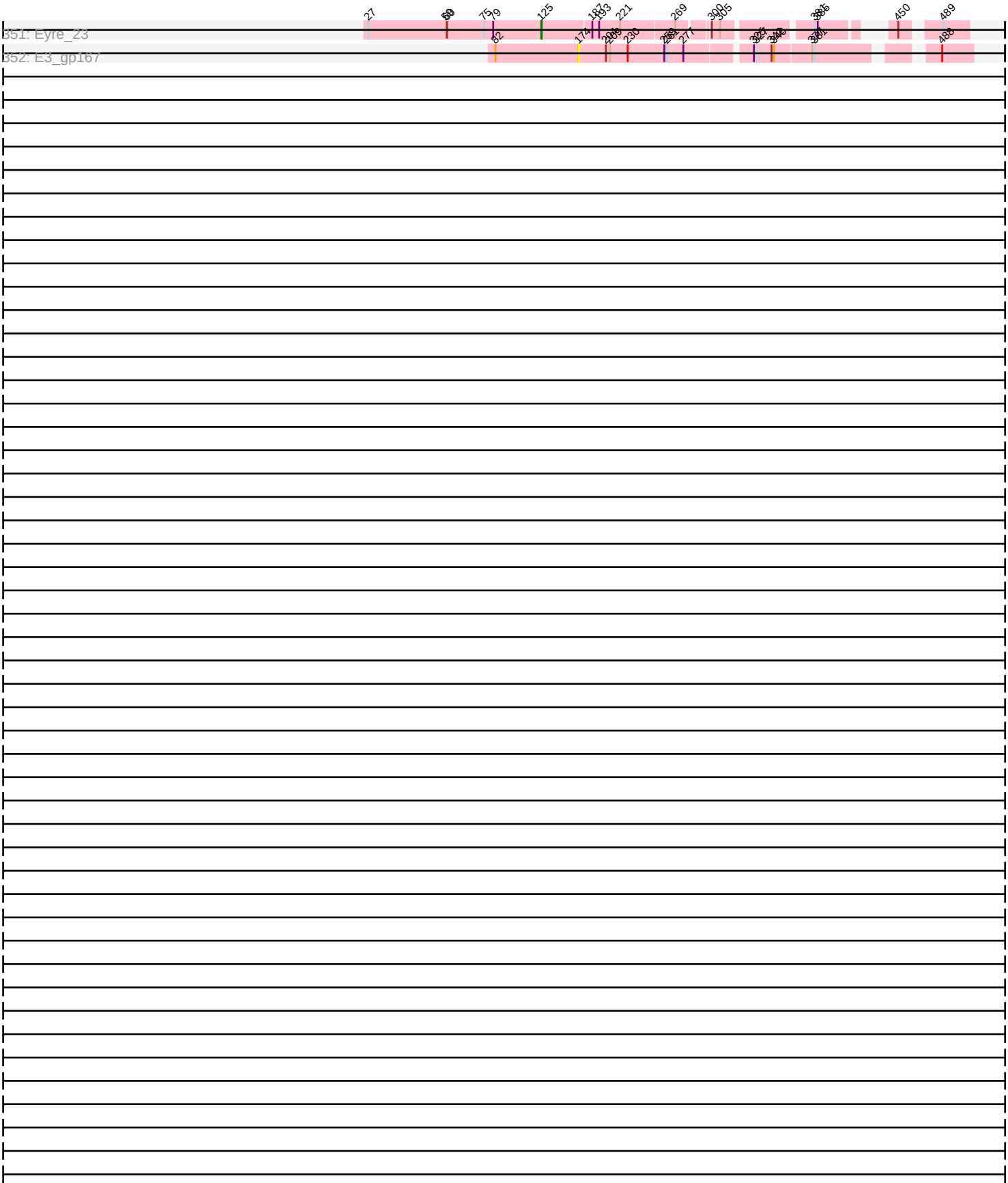
Zoomed Pham 311020



Zoomed Pham 311020



Zoomed Pham 311020



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 311020 Report

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

Pham number 311020 has 855 members, 114 are drafts.

Phages represented in each track:

- Track 1 : Kimona_7
- Track 2 : Journey13_9
- Track 3 : MajorMajor_10, Bradman_10, Quokka_9
- Track 4 : StarStuff_14, Tomathan_14, D32_14, Travvers_14, D29_12, Naji_14, Pomar16_14
- Track 5 : ForesterFrank_12
- Track 6 : AN9_14, C3_09, VC3_14, ANI8_14
- Track 7 : Kerberos_14, DBQu4n_14, Duplo_14
- Track 8 : Jsquared_10
- Track 9 : L5_12
- Track 10 : Koduck_12
- Track 11 : MissWhite_11
- Track 12 : TopsytheTRex_10
- Track 13 : Serenity_10
- Track 14 : Marchesa_10, DropBear_10
- Track 15 : BabyRay_10
- Track 16 : Clammy_10, Puppy_11, Bugatti_10, TNguyen7_10, Pistachio_11, Idleandcovert_10, BlueBird_11, SaturnRing_10, Giroux_11
- Track 17 : MK4_10, B1_08, JF4_10, JF2_10
- Track 18 : Heathen_10, Kachowdy_10, HelDan_10, Scout_10, Zarafa_10
- Track 19 : Chiqui_9, BabyJohn_9
- Track 20 : Phantastic_10
- Track 21 : MA5_10
- Track 22 : Fred313_10, Roimos_10
- Track 23 : Isca_10
- Track 24 : Rockstar_10
- Track 25 : Archetta_8, Lev2_8, PickleBack_8, Tiger_8, Phlorence_8, Conspiracy_8, ForGetIt_8
- Track 26 : PetterN_9, Chadwick_9, Scorpio_9
- Track 27 : Aragog_8, Discoknowium_8, Bluefalcon_7, Jovo_8
- Track 28 : Tarynearal_7, Cuco_8, Micasa_8, Bonamassa_8, Milcery_8, HuhtaEnerson15_8, George_7, Prinasse11_9, Swirley_8, Twigg_8, LittleCherry_8
- Track 29 : AgentM_8
- Track 30 : Coog_8, Midas2_8, MarysWell_7, Theia_7, Dublin_7
- Track 31 : SydNat_8, Zolita_7, Ghoulboy_8
- Track 32 : Florence1_8
- Track 33 : Airmid_8, Benedict_8, ElTiger69_8

- Track 34 : Jabiru_8
- Track 35 : Florence4_9
- Track 36 : UnionJack_8
- Track 37 : Naca_8
- Track 38 : FlyCatcher_14, Sheen_12, Toro_13
- Track 39 : PP_20
- Track 40 : Stephig9_8, Dixon_8
- Track 41 : Expelliarmus_7, Phillis_8, Smeadley_8, Danforth_7, Astro_8, Caitlin_8, Groundhog_7
- Track 42 : NearlyHeadless_8
- Track 43 : Saintus_8
- Track 44 : Roary_8
- Track 45 : Indlulamithi_36
- Track 46 : Cuke_31
- Track 47 : MrMiyagi_34
- Track 48 : Fowlmouth_34
- Track 49 : Aikoy_46, Onyinye_47
- Track 50 : Leopard_46
- Track 51 : Nergal_27
- Track 52 : MalagasyRose_31
- Track 53 : Peregrin_29
- Track 54 : Grayson_31
- Track 55 : Weasels2_31
- Track 56 : Nova53_11
- Track 57 : Francesca_10
- Track 58 : Dorin_11
- Track 59 : Dalilpop_23
- Track 60 : Flapper_22
- Track 61 : GRU1_9
- Track 62 : Turuncu_22
- Track 63 : GTE5_9
- Track 64 : SuperSulley_20, Buggaboo_20
- Track 65 : Foxboro_20, Emianna_19, NatB6_19, Arti_19, Jifall16_18, KidneyBean_19, Kurt_19, GrootJr_21, NovumRegina_19
- Track 66 : GTE8_7
- Track 67 : Phomeo_18
- Track 68 : Commandaria_20
- Track 69 : Outis_19, StarStruck_19
- Track 70 : NosilaM_21, Kabluna_21, Bonum_21
- Track 71 : MerCougar_19
- Track 72 : Tracker_19, Wheezy_19
- Track 73 : Lollipop1437_23, Ennea_24
- Track 74 : Float294_20, Skysand_20
- Track 75 : RedRaider_25
- Track 76 : Patio_21
- Track 77 : WhoseManz_19
- Track 78 : BiPauneto_20, Yndexa_19, Sukkupi_19
- Track 79 : Pemberton_20
- Track 80 : Marietta_19
- Track 81 : IDyn_18
- Track 82 : NadineRae_17
- Track 83 : HubbaBubba_15
- Track 84 : HomeFry_22

- Track 85 : Scuba_25
- Track 86 : Fury_25
- Track 87 : Pleakley_25
- Track 88 : Polyyuki_20, Braxoaddie_20, Apiary_20
- Track 89 : Maselop_20
- Track 90 : Gagieri_19
- Track 91 : CoffeeBean_20
- Track 92 : MacGully_23
- Track 93 : HayZem_51, GTE7_40, GMA7_41
- Track 94 : Austin_52, Amore2_52
- Track 95 : Dakiti_51, Chelms_50
- Track 96 : Sombrero_50, Boneham_53, Butterball_53, FelixAlejandro_54
- Track 97 : Kelzog_51, Squibbles_49, Monty_48
- Track 98 : Jellybones_52
- Track 99 : PokyPuppy_49
- Track 100 : Hotorobo_49
- Track 101 : Flakey_49, Barbochs_48
- Track 102 : Linetti_51
- Track 103 : BirksAndSocks_54, John316_53, Ekhein_50, Gorko_49, Exiguo_49, CathyBurgh_49, RemRem_50, Lizzo_49, Sam12_49
- Track 104 : PierreThree_50, BigShaq_50, BenoitCattle_51
- Track 105 : Diabla_53, SteveFrench_49, RoyalG_50
- Track 106 : Eggsie_48
- Track 107 : BillyBobJr_55, CinnamonToast_55
- Track 108 : Crete_51
- Track 109 : Beaver_53
- Track 110 : Poland_54, Msay19_54
- Track 111 : GourdThymes_49
- Track 112 : Adgers_51
- Track 113 : Worcestershire_50
- Track 114 : Breezic_49
- Track 115 : Benczkowski14_44, Katyusha_44, Kvothe_44, Teech_45
- Track 116 : ASerpRocky_44
- Track 117 : Tredge_45, Teatealatte_45
- Track 118 : Vitaenoi_46, Philon9_46
- Track 119 : Demosthenes_43
- Track 120 : Hollow_45, Niagara_44
- Track 121 : William_26
- Track 122 : PrincePatrick_25
- Track 123 : Toast_26, PCoral7_26
- Track 124 : Fairfaxidum_25
- Track 125 : GMA5_15
- Track 126 : Rahul_17
- Track 127 : GRU3_15
- Track 128 : Coeur_17
- Track 129 : Lilas_27
- Track 130 : EMSquaredA_27, Pollux_27, Bradissa_27, EnalisNailo_27, Marteena_27, Floral_27
- Track 131 : Confidence_26, BeeGee_26
- Track 132 : Angelique_28
- Track 133 : BritBrat_27
- Track 134 : Wrigley_28, Jablanski_28, Posh_28, Pytheas_28
- Track 135 : Cashline_26

- Track 136 : LonelyBoi_27
- Track 137 : Lton_23
- Track 138 : SushiChef_27
- Track 139 : Pepperoni_24
- Track 140 : Ohgeesy_25
- Track 141 : BoyNamedSue_26, AlumE_26, Agueybana_26, PantheRoc_26
- Track 142 : Madavieve_25
- Track 143 : WelcomeAyanna_24, ThankyouJordi_24
- Track 144 : Neobush_27, Trumpet_27, Manasvini_27, Suscepit_27, Zameen_27, Antonio_27, Eudoria_27, Kita_27, Maridalia_26, Tayonia_27
- Track 145 : Zirinka_25, Bialota_25
- Track 146 : BatStarr_25, Eviarto_25, TimTam_25, Bosnia_25, Herod_25
- Track 147 : Nymphadora_25
- Track 148 : Polly_24
- Track 149 : Madeline_25
- Track 150 : Hugley_25
- Track 151 : JCole_22
- Track 152 : Mocha12_24, Yinzer_24, GemG_24, Ebert_24, Gizermo_24, Cynthia_24, Whiteclaw_24, Savage_24, Clap_24, Sproutie_24, Haley23_24, TuertoX_24
- Track 153 : Attis_24, Yeet412_24, LordFarquaad_24, SoilAssassin_24, Bjanes7_24
- Track 154 : Matteo_23
- Track 155 : Pickett_23
- Track 156 : Vasanti_23
- Track 157 : Nettuno_23
- Track 158 : Lamberg_23, EdnaMode_23
- Track 159 : Sahara_23
- Track 160 : FroggyToad_24
- Track 161 : Jalleen_24
- Track 162 : BaxterFox_25
- Track 163 : Yeezy_27
- Track 164 : Denise_22
- Track 165 : Moosehead_23
- Track 166 : Faith5x5_23
- Track 167 : OneDirection_22
- Track 168 : RavenCo17_24
- Track 169 : BBQValindra_26
- Track 170 : Chipko_27
- Track 171 : Bowser_26
- Track 172 : Moonflower_27
- Track 173 : Coriander_27, Doggs_26
- Track 174 : Kiko_27
- Track 175 : NaLuna_26, HannahD_26, GEazy_26
- Track 176 : DirtyBoi_28
- Track 177 : Hedwig_28
- Track 178 : RayTheFireFly_27
- Track 179 : Opie_26
- Track 180 : MagicMan_26, Schnabeltier_26
- Track 181 : ZAYM_27
- Track 182 : TaronosaurusRx_26
- Track 183 : BackstagePass_26
- Track 184 : Eyes_26
- Track 185 : Jecs_27

- Track 186 : Dmitri_27
- Track 187 : PatriciaStar_25
- Track 188 : Bunker_26
- Track 189 : Morkie_24, InLimbo_25, PhorbesPhlower_24
- Track 190 : Lucky10_24
- Track 191 : Emperor_4
- Track 192 : EpicDab_7
- Track 193 : BearBQ_27, Kuwabara_27, Birdsong_27, MortyNRick_27
- Track 194 : Malisha_30
- Track 195 : Ecliptus_31
- Track 196 : ODay_32
- Track 197 : BotCity_28, BENtherdunthat_28
- Track 198 : Kenna_27, Lutum_28, Asapag_28
- Track 199 : Periwinkle_30
- Track 200 : Phistory_29, Getalong_29, Horus_28, Budski_28, Kamaru_28, CheeseTouch_28, Holliday_28, Leroy_28, Crater_26, Phabuloso_27, Frickyyeah_27, Apricot_27, Whitney_29
- Track 201 : ShawBrad_28
- Track 202 : LitninMcQueen_27
- Track 203 : Spooky_28, Squiddly_30
- Track 204 : Lenoshki_31, Beted_31, Oogie_32
- Track 205 : Gray_31
- Track 206 : GMA6_16
- Track 207 : FruityLoops_29
- Track 208 : Amoonguss_30, EmoNemo_30, Twin_30, Chidiebere_31, Toneprano_30, Argena_30, Kabocha_32, Alok_31, Pakusa_30, Mikronejon_30, Schomber_30, Farrylous_29, MintFritos_30
- Track 209 : ScarletRaider_30, FlyingTortilla_30
- Track 210 : DalanDe_26, Thales_26
- Track 211 : Hanem_31
- Track 212 : ChisanaKitsune_27
- Track 213 : UBSmoodge_32
- Track 214 : Shatter_42, Ligma_42, Fresco_42, Axumite_42
- Track 215 : TraderJ_45, Yeshua_45, Wooper_45
- Track 216 : MossRose_45, MakoManhole_45, CaiB_45, AnarQue_45
- Track 217 : Sour_47
- Track 218 : Evaa_42
- Track 219 : AnClar_43, Sisko_42
- Track 220 : FelixTres_45, CloverMinnie_45, Blackpen_45
- Track 221 : JellyBelly_42
- Track 222 : AksarBAT_43, NHagos_43
- Track 223 : Mariokart_42
- Track 224 : Yago84_42
- Track 225 : LittleMunchkin_44
- Track 226 : BiggityBass_42
- Track 227 : CharlottesWeb_42
- Track 228 : BobRoss2024_41
- Track 229 : BabyMoney_47
- Track 230 : Dogfish_46
- Track 231 : Nyceirae_51
- Track 232 : Vordorf_47
- Track 233 : Meyran_46
- Track 234 : Ewald_46

- Track 235 : Manilisa_49
- Track 236 : Phishy_50
- Track 237 : Malibo_27
- Track 238 : Stark_36, Gemini_38, Maxxinista_36, Elph10_36, Tarkin_37, Moldemort_36, Emmina_36, Gage_37, Glexan_33, StellaBean_35, Sassay_34, BugsBunny_33, Tomaszewski_34, TBrady12_37, Hoonter_37, Kostya_36, Harella_34, Kanye_37, SirDuracell_34, TeardropMSU_34, GoldenSpark_37, Thresher_36, BigBubba_36, 244_37, ChotaBhai_35, Simpliphy_36, Lilpickle_34, HanKaySha_36, Phaja_35, Argent26_37, Nimrod_35, Rakim_36, MadamMonkfish_35, Manda_36, SophKB_35, Youngblood_35, Adnama_38, GooberAzure_37, Pat3_34, IHOP_35, Hopey_37, Command613_36, Balomoji_34, Miniwave_35, FairyPath_35, JeTaime_37, Icee_34, MPhalcon_34, BaboJay_34, BadStone_34, Saints25_36, Asriel_34, Kimchi_37, ShereKhan_37, Stank_38, Bask21_35, NoSleep_36, Qualification_36, NonchalantPear_35, Easy2Say_37, StolenFromERC_37, YassJohnny_36, Cactus_36, Mindy_35, Contagion_34, Traaww1_33, Flypotenuse_33, Mosby_34, Lilac_37, Filch_36, Barbarian_34, Sotrice96_35, Eureka_35, Amao_35, NelitzaMV_35, Czyszczone1_36, RiverMonster_35, AmericanBeauty_37, Terminus_35, Goldilocks_36, Brewer_35, Bench_37, Murphy_36, Gator_33, Elite2014_34, Cjw1_35, Misfit_35, Ukulele_35, Goku_35, ChosenOne_35, Henry_36, Myrale_35, Bruin_35, Wiggin_38, Xandras_37, Willez_34, DrDrey_36, Paperbeatsrock_37, Holt_36, Tuco_36, Thimble_35, Nala_35, PaddyBaddy_36, Daikon_34, Marshmallow_35, Cookies_35, Porky_35, Dusk_34, Pumpkin_37, Teaspoon_36, Highbury_36, ABCat_34, Lilizi_37, OrionPax_36, Pharsalus_36
- Track 239 : StormChicken_35, HuffyPuff_34, Petra64142_37, FireRed_35, MollyToe_35, Bogg_35, Rimmer_34, FoghornLeghorn_34, MISSy_34, BilboSwaggins_35, Becksu_35, TeamEdward_35, PhatBacter_35, Liveloughbron_36, Palpatine_35, Phaux_34, Inca_34, Phrux_35, CrystalP_35, Greep_36, Ptowny_36, ShamWow_35, Buck_34, xkcd_36, Toto_35, Policronamos_35, Murica_34
- Track 240 : Dumbo_35
- Track 241 : Budgie_37
- Track 242 : DoctorDiddles_35
- Track 243 : Kimberlium_33
- Track 244 : DmpstrDiver_50, Wanda_55, Nekros_47, Kalah2_49, Duke13_52, Halley_49, Beem_49, Hughesyang_47, Phoebus_48, HokkenD_42, Ejimix_49, Schatzie_46, Yeet_47, Optimus_54, BAKA_53, EricMillard_49, ThreeRngTarjay_47
- Track 245 : JuicyJay_51, Klein_49, NihilNomen_48
- Track 246 : Xiaokay_44, Dove_46, Constella_41
- Track 247 : Omega_53
- Track 248 : Nibley_43
- Track 249 : BronnyJames_41
- Track 250 : Minerva_55
- Track 251 : Zelink_50
- Track 252 : Odette_49, Bagrid_48
- Track 253 : Bombitas_46
- Track 254 : LittleE_53
- Track 255 : Hannaconda_45, KashFlow_42
- Track 256 : Pound_51
- Track 257 : Shaboozey_41
- Track 258 : Dallas_51, Redno2_47
- Track 259 : Mdavu_27, Teejan_27, Trice_27, Enkosi_27, Amelie_27, Nikao_27, LilPharaoh_27, Binglebops_27, Torres_27, SgtBeansprout_27, Nutello_27
- Track 260 : MarkPhew_31

- Track 261 : Spock_31, Padfoot_31, BEEST_31, Asayake_31, Hyperbowlee_31, Twitch_31, CaseJules_31, Dalmuri_31, Blizzard_31, Llorens_31, Homura_31, ShiaSurprise_31, Joy99_31, Angelica_31, Jeckyll_31, Belladonna_31, Peel_31, CREW_31, AlishaPH_31, Rosmarinus_31, Lunahalos_31, Sulley_31, Inky_31, Topper_31, Deby_31, Piatt_31, BaghaKamala_31, Durfee_31, BGlluviae_31, Capricorn_31, Boiiii_31, Jarvi_31
- Track 262 : Oscar_30, KiSi_30
- Track 263 : Jayhawk_31, Slimphazie_31, ActinUp_31, BarrelRoll_31, Rapunzel97_31, HedwigODU_31, Atiba_31, Adephagia_31, Veliki_31, Tachez_31, Zabiza_31
- Track 264 : Dole_31, Devera_31, Illumine_31
- Track 265 : Tiri_31, QuincyRose_30, Geraldini_31, Adonis_31, MeaningOfLife_31, Pokerus_30, Mynx_31, Ganymede_32, Zavala_31
- Track 266 : MacKat_31, Clipper_31
- Track 267 : Validus_31
- Track 268 : Emerson_31, Padpat_31
- Track 269 : Ageofdapage_31, Bern_31, Anaya_32, Prithvi_31, CrimD_31, LindNT_31, Pisa4_30, Stinson_32, TreyKay_31, LaterM_31, Megsy_31
- Track 270 : Urkel_31, DrHayes_31, SamuelLPlaqson_31
- Track 271 : McMatr_31, Niklas_31, Richo_31, Dartin_31, Peanam_31, Shaobing_31
- Track 272 : Apocalypse_31
- Track 273 : Bella96_31, DartGoblin_31
- Track 274 : Efra2_31
- Track 275 : TaiwanKao_32
- Track 276 : CheetoDust_31
- Track 277 : Chavito_31
- Track 278 : JAWS_31
- Track 279 : LeMond_30
- Track 280 : TingHuaYa_31
- Track 281 : Anma_31
- Track 282 : Guanica15_31, Yunkel11_31
- Track 283 : TruffulaTree_31
- Track 284 : LastHope_31
- Track 285 : Scarlett_30
- Track 286 : Murucutumbu_31
- Track 287 : TiniBug_31
- Track 288 : Pisa1_30
- Track 289 : Nibb_30
- Track 290 : Chris_30
- Track 291 : CallaLilly_31
- Track 292 : Beezoo_31
- Track 293 : Curiosium_32
- Track 294 : Ramen_31
- Track 295 : YoureAdopted_30
- Track 296 : Neighly_31
- Track 297 : Keshu_32, ShedlockHolmes_32, TBond007_31
- Track 298 : Pixie_31
- Track 299 : MacnCheese_32
- Track 300 : Pharb_30
- Track 301 : TribbleTrouble_30
- Track 302 : Lea83_32
- Track 303 : Hurricane_32

- Track 304 : Mitti_32, DanSyl44_35, SamScheppers_32, Ruthiejr_33, Eponine_34, OmniCritical_32, Taquito_32
- Track 305 : YasnayaPolyana_32, Wintermute_32, Malthus_33, JF1_32, Y2_32, Y10_32, Kraw_32, Fionnbharth_32
- Track 306 : Juliette_34, Cheetobro_32, Chancellor_32, Qhanda_33, Slarp_32
- Track 307 : Patt_32, MissDaisy_32
- Track 308 : Lebo14_32
- Track 309 : Reptar3000_32
- Track 310 : Bobquesha_33
- Track 311 : Leston_30, Guillsminger_30, Paola_30
- Track 312 : Psycho_31, Larva_31, Dadosky_31, Edugator_30, AlleyCat_31
- Track 313 : Miryou_30
- Track 314 : Gengar_30, Feyre_30
- Track 315 : Agent47_30, Collard_30, ViviJ_29, BananenDer11_30, InvictusManeo_30
- Track 316 : SoSeph_30, Heftyboy_30
- Track 317 : Omnicron_31
- Track 318 : OkiRoe_30
- Track 319 : Kratio_29, DoubleChamp_30
- Track 320 : Rando14_31
- Track 321 : Waterfoul_30
- Track 322 : LilDirt_29
- Track 323 : Thyatira_30
- Track 324 : Krueger_31, Tigress9_31
- Track 325 : Ekdilam_28
- Track 326 : Tierra_31, Phrank_31, Bryler_31, Cain_31
- Track 327 : Sunflower1121_30, Shadow1_30
- Track 328 : Ximenita_32
- Track 329 : Marshawn_32
- Track 330 : November_29
- Track 331 : DarthP_30, Hammy_30
- Track 332 : Amohnition_30
- Track 333 : Unicorn_31, PhelpsODU_31
- Track 334 : Amgine_29
- Track 335 : Ellie_28, Applecrisp_29
- Track 336 : Syra333_31
- Track 337 : Yuna_32
- Track 338 : TClif_32
- Track 339 : SirPhilip_30
- Track 340 : Lavahound_29
- Track 341 : Fefferhead_30
- Track 342 : Boilgate_28
- Track 343 : PhaoMing_23
- Track 344 : Gaia_34
- Track 345 : GAL1_26
- Track 346 : DocB7_038
- Track 347 : Gudmit_24
- Track 348 : P3MA_29
- Track 349 : E3_gp85
- Track 350 : TinyDot_25
- Track 351 : Eyre_23
- Track 352 : E3_gp167

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

The start number called the most often in the published annotations is 119, it was called in 151 of the 741 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ActinUp_31, Adephagia_31, Adonis_31, Ageofdapage_31, AlishaPH_31, Amgine_29, Amohnition_30, Anaya_32, Angelica_31, Apocalypse_31, Applecrisp_29, Asayake_31, Atiba_31, BEEST_31, BGlluviae_31, BaghaKamala_31, BarrelRoll_31, Beezoo_31, Bella96_31, Belladonna_31, Bern_31, Blizzard_31, Boiiii_31, Bryler_31, CREW_31, Cain_31, CallaLilly_31, Capricorn_31, CaseJules_31, Chavito_31, CheetoDust_31, Chris_30, Clipper_31, CrimD_31, Curiosium_32, Dalmuri_31, DartGoblin_31, DarthP_30, Dartin_31, Deby_31, Devera_31, Dole_31, DrHayes_31, Durfee_31, Efra2_31, Ekdilam_28, Ellie_28, Emerson_31, Fefferhead_30, Feyre_30, FlyCatcher_14, Ganymede_32, Gengar_30, Geraldini_31, Guanica15_31, Guillsminger_30, Hammy_30, HedwigODU_31, Heftyboy_30, Homura_31, Hurricane_32, Hyperbowlee_31, Illumine_31, Inky_31, JAWS_31, Jarvi_31, Jayhawk_31, Jeckyll_31, Joy99_31, Keshu_32, KiSi_30, Kimona_7, Krueger_31, LastHope_31, LaterM_31, Lavahound_29, LeMond_30, Lea83_32, Leston_30, LindNT_31, Llorens_31, Lunahalos_31, MacKat_31, MacnCheese_32, MalagasyRose_31, MarkPhew_31, Marshawn_32, McMater_31, MeaningOfLife_31, Megsy_31, Miryou_30, Murucutumbu_31, Mynx_31, Nibb_30, Niklas_31, November_29, OkiRoe_30, Omnicron_31, Oscar_30, PP_20, Padfoot_31, Padpat_31, Paola_30, Peanam_31, Peel_31, Pharb_30, PhelpsODU_31, Phrank_31, Piatt_31, Pisa4_30, Pixie_31, Pokerus_30, Prithvi_31, QuincyRose_30, Ramen_31, Rando14_31, Rapunzel97_31, Richo_31, Rosmarinus_31, SamuelLPlagson_31, Scarlett_30, Shadow1_30, Shaobing_31, ShedlockHolmes_32, Sheen_12, ShiaSurprise_31, SirPhilip_30, Slimphazie_31, SoSeph_30, Spock_31, Stinson_32, Sulley_31, Sunflower1121_30, Syra333_31, TBond007_31, Tachez_31, TaiwanKao_32, Thyatira_30, Tierra_31, Tigress9_31, TingHuaYa_31, TiniBug_31, Tiri_31, Topper_31, Toro_13, TreyKay_31, TribbleTrouble_30, TruffulaTree_31, Twitch_31, Unicorn_31, Urkel_31, Validus_31, Veliki_31, Waterfoul_30, Ximenita_32, YoureAdopted_30, Yuna_32, Yunkel11_31, Zabiza_31, Zavala_31,

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

- Anma_31, PatriciaStar_25, Pisa1_30,

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

- 244_37, ABCat_34, AN9_14, ANI8_14, ASerpRocky_44, Adgers_51, Adnama_38, Agent47_30, AgentM_8, Agueybana_26, Aikoy_46, Airmid_8, AksarBAT_43, AlleyCat_31, Aloki_31, AlumE_26, Amao_35, Amelie_27, AmericanBeauty_37, Amoonguss_30, Amore2_52, AnClar_43, AnarQue_45, Angelique_28, Antonio_27, Apiary_20, Apricot_27, Aragog_8, Archetta_8, Argena_30, Argent26_37, Arti_19, Asapag_28, Asriel_34, Astro_8, Attis_24, Austin_52, Axumite_42, B1_08, BAKA_53, BBQValindra_26, BENtherdunthat_28, BaboJay_34, BabyJohn_9, BabyMoney_47, BabyRay_10, BackstagePass_26, BadStone_34, Bagrid_48, Balomoji_34, BananenDer11_30, Barbarian_34, Barbochs_48, Bask21_35, BatStarr_25, BaxterFox_25, BearBQ_27, Beaver_53, Becksu_35, BeeGee_26, Beem_49, Bench_37, Benczkowski14_44, Benedict_8, BenoitCattle_51, Beted_31, BiPauneto_20, Bialota_25, BigBubba_36, BigShaq_50, BiggityBass_42,

Biblebops_27, BilboSwaggins_35, BillyBobJr_55, Birdsong_27, BirksAndSocks_54, Bjaness_24, Blackpen_45, BlueBird_11, Bluefalcon_7, BobRoss2024_41, Bobquesha_33, Bogg_35, Boilgate_28, Bombitas_46, Bonamassa_8, Boneham_53, Bonum_21, Bosnia_25, BotCity_28, Bowser_26, BoyNamedSue_26, Bradissa_27, Bradman_10, Braxoaddie_20, Breezic_49, Brewer_35, BritBrat_27, BronnyJames_41, Bruin_35, Buck_34, Budgie_37, Budski_28, Bugatti_10, Buggaboo_20, BugsBunny_33, Bunker_26, Butterball_53, C3_09, Cactus_36, CaiB_45, Caitlin_8, Cashline_26, CathyBurgh_49, Chadwick_9, Chancellor_32, CharlottesWeb_42, CheeseTouch_28, Cheetobro_32, Chelms_50, Chidiebere_31, Chipko_27, Chiqui_9, ChisanaKitsune_27, ChosenOne_35, ChotaBhai_35, CinnamonToast_55, Cjw1_35, Clammy_10, Clap_24, CloverMinnie_45, Coeur_17, CoffeeBean_20, Collard_30, Command613_36, Commandaria_20, Confidence_26, Conspiracy_8, Constella_41, Contagion_34, Coog_8, Cookies_35, Coriander_27, Crater_26, Crete_51, CrystalP_35, Cuco_8, Cuke_31, Cynthia_24, Czystosc_36, D29_12, D32_14, DBQu4n_14, Dadosky_31, Daikon_34, Dakiti_51, DalanDe_26, Daliipop_23, Dallas_51, DanSyl44_35, Danforth_7, Demosthenes_43, Denise_22, Diabla_53, DirtyBoi_28, Discoknowium_8, Dixon_8, Dmitri_27, DmpstrDiver_50, DocB7_038, DoctorDiddles_35, Dogfish_46, Doggs_26, Dorin_11, DoubleChamp_30, Dove_46, DrDrey_36, DropBear_10, Dublin_7, Duke13_52, Dumbo_35, Duplo_14, Dusk_34, E3_gp167, E3_gp85, EMSquaredA_27, Easy2Say_37, Ebert_24, Ecliptus_31, EdnaMode_23, Edugator_30, Eggsie_48, Ejimix_49, Ekhein_50, ElTiger69_8, Elite2014_34, Elph10_36, Emianna_19, Emmina_36, EmoNemo_30, Emperor_4, EnalisNailo_27, Enkosi_27, Ennea_24, EpicDab_7, Eponine_34, EricMillard_49, Eudoria_27, Eureka_35, Evaa_42, Eviarto_25, Ewald_46, Exiguo_49, Expelliarmus_7, Eyes_26, Eyre_23, Fairfaxidum_25, FairyPath_35, Faith5x5_23, Farrylious_29, FelixAlejandro_54, FelixTres_45, Filch_36, Fionnbharth_32, FireRed_35, Flakey_49, Flapper_22, Float294_20, Floral_27, Florence1_8, Florence4_9, FlyingTortilla_30, Flypotenuse_33, FoghornLeghorn_34, ForGetIt_8, ForesterFrank_12, Fowlmouth_34, Foxboro_20, Francesca_10, Fred313_10, Fresco_42, Frickyeah_27, FroggyToad_24, FruityLoops_29, Fury_25, GAL1_26, GEazy_26, GMA5_15, GMA6_16, GMA7_41, GRU1_9, GRU3_15, GTE5_9, GTE7_40, GTE8_7, Gage_37, Gagieri_19, Gaia_34, Gator_33, GemG_24, Gemini_38, George_7, Getalong_29, Ghoulyboy_8, Giroux_11, Gizermo_24, Glexan_33, Goku_35, GoldenSpark_37, Goldilocks_36, GooberAzure_37, Gorko_49, GourdThymes_49, Gray_31, Grayson_31, Greep_36, GrootJr_21, Groundhog_7, Gudmit_24, Haley23_24, Halley_49, HanKaySha_36, Hanem_31, Hannaconda_45, HannahD_26, Harella_34, HayZem_51, Heathen_10, Hedwig_28, HelDan_10, Henry_36, Herod_25, Highbury_36, HokkenD_42, Holliday_28, Hollow_45, Holt_36, HomeFry_22, Hoonter_37, Hopey_37, Horus_28, Hotorobo_49, HubbaBubba_15, HuffyPuff_34, Hughesyang_47, Hugley_25, HuhtaEnerson15_8, IDyn_18, IHOP_35, Icee_34, Idleandcovert_10, InLimbo_25, Inca_34, Indlulamithi_36, InvictusManeo_30, Isca_10, JCole_22, JF1_32, JF2_10, JF4_10, Jabiru_8, Jablanski_28, Jalleen_24, JeTaime_37, Jecs_27, JellyBelly_42, Jellybones_52, Jifall16_18, John316_53, Journey13_9, Jovo_8, Jsquared_10, JuicyJay_51, Juliette_34, Kabluna_21, Kabocha_32, Kachowdy_10, Kalah2_49, Kamaru_28, Kanye_37, KashFlow_42, Katyusha_44, Kelzog_51, Kenna_27, Kerberos_14, KidneyBean_19, Kiko_27, Kimberlium_33, Kimchi_37, Kita_27, Klein_49, Koduck_12, Kostya_36, Kratio_29, Kraw_32, Kurt_19, Kuwabara_27, Kvothe_44, L5_12, Lamberg_23, Larva_31, Lebo14_32, Lenoshki_31, Leopard_46, Leroy_28, Lev2_8, Ligma_42, LilDirt_29, LilPharaoh_27, Lilac_37, Lilas_27, Lilizi_37, Lilpickle_34, Linetti_51, LitninMcQueen_27, LittleCherry_8, LittleE_53, LittleMunchkin_44, Liveloughbron_36, Lizzo_49, Lollipop1437_23, LonelyBoi_27, LordFarquaad_24, Lton_23, Lucky10_24, Lutum_28, MA5_10, MISSy_34, MK4_10, MPhalcon_34, MacGully_23,

MadamMonkfish_35, Madavieve_25, Madeline_25, MagicMan_26, MajorMajor_10, MakoManhole_45, Malibo_27, Malisha_30, Malthus_33, Manasvini_27, Manda_36, Manilisa_49, Marchesa_10, Maridalia_26, Marietta_19, Mariokart_42, Marshmallow_35, Marteena_27, MarysWell_7, Maselop_20, Matteo_23, Maxxinista_36, Mdavu_27, MerCougar_19, Meyran_46, Micasa_8, Midas2_8, Mikronejon_30, Milcery_8, Mindy_35, Minerva_55, Miniwave_35, MintFritos_30, Misfit_35, MissDaisy_32, MissWhite_11, Mitti_32, Mocha12_24, Moldemort_36, MollyToe_35, Monty_48, Moonflower_27, Moosehead_23, Morkie_24, MortyNRick_27, Mosby_34, MossRose_45, MrMiyagi_34, Msay19_54, Murica_34, Murphy_36, Myrale_35, NHagos_43, NaLuna_26, Naca_8, NadineRae_17, Naji_14, Nala_35, NatB6_19, NearlyHeadless_8, Neighly_31, Nekros_47, NelitzaMV_35, Neobush_27, Nergal_27, Nettuno_23, Niagara_44, Nibley_43, NihilNomen_48, Nikao_27, Nimrod_35, NoSleep_36, NonchalantPear_35, NosilaM_21, Nova53_11, NovumRegina_19, Nutello_27, Nyceirae_51, Nymphadora_25, ODay_32, Odette_49, Ohgeesy_25, Omega_53, OmniCritical_32, OneDirection_22, Onyinye_47, Oogie_32, Opie_26, Optimus_54, OrionPax_36, Outis_19, P3MA_29, PCoral7_26, PaddyBaddy_36, Pakusa_30, Palpatine_35, PantheRoc_26, Paperbeatsrock_37, Pat3_34, Patio_21, Patt_32, Pemberton_20, Pepperoni_24, Peregrin_29, Periwinkle_30, Petra64142_37, PetterN_9, Phabuloso_27, Phaja_35, Phantastic_10, PhaoMing_23, Pharsalus_36, PhatBacter_35, Phaux_34, Phillis_8, Philon9_46, Phishy_50, Phistory_29, Phlorence_8, Phoebus_48, Phomeo_18, PhorbesPhlower_24, Phrux_35, Pickett_23, PickleBack_8, PierreThree_50, Pistachio_11, Pleakley_25, PokyPuppy_49, Poland_54, Policronamos_35, Pollux_27, Polly_24, Polyyuki_20, Pomar16_14, Porky_35, Posh_28, Pound_51, Prinashe11_9, PrincePatrick_25, Psycho_31, Ptowny_36, Pumpkin_37, Puppy_11, Pytheas_28, Qhanda_33, Qualification_36, Quokka_9, Rahul_17, Rakim_36, RavenCo17_24, RayTheFireFly_27, RedRaider_25, Redno2_47, RemRem_50, Reptar3000_32, Rimmer_34, RiverMonster_35, Roary_8, Rockstar_10, Roimos_10, RoyalG_50, Ruthiejr_33, Sahara_23, Saints25_36, Saintus_8, Sam12_49, SamScheppers_32, Sassay_34, SaturnRing_10, Savage_24, ScarletRaider_30, Schatzie_46, Schnabeltier_26, Schomber_30, Scorpia_9, Scout_10, Scuba_25, Serenity_10, SgtBeansprout_27, Shaboozey_41, ShamWow_35, Shatter_42, ShawBrad_28, ShereKhan_37, Simpliphy_36, SirDuracell_34, Sisko_42, Skysand_20, Slarp_32, Smeadley_8, SoilAssassin_24, Sombbrero_50, SophKB_35, Sotrice96_35, Sour_47, Spooky_28, Sproutie_24, Squibbles_49, Squiddly_30, Stank_38, StarStruck_19, StarStuff_14, Stark_36, StellaBean_35, Stephig9_8, SteveFrench_49, StolenFromERC_37, StormChicken_35, Sukkupi_19, SuperSulley_20, Suscepit_27, SushiChef_27, Swirley_8, SydNat_8, TBrady12_37, TClif_32, TNguyen7_10, Taquito_32, Tarkin_37, TaronosaurusRx_26, Tarynearal_7, Tayonia_27, TeamEdward_35, TeardropMSU_34, Teaspoon_36, Teatealatte_45, Teech_45, Teejan_27, Terminus_35, Thales_26, ThankyouJordi_24, Theia_7, Thimble_35, ThreeRngTarjay_47, Thresher_36, Tiger_8, TimTam_25, TinyDot_25, TipsytheTRex_10, Toast_26, Tomaszewski_34, Tomathan_14, Toneprano_30, Torres_27, Toto_35, Traaww1_33, Tracker_19, TraderJ_45, Travvers_14, Tredge_45, Trice_27, Trumpet_27, Tuco_36, TuertoX_24, Turuncu_22, Twigg_8, Twin_30, UBSmoodge_32, Ukulele_35, UnionJack_8, VC3_14, Vasanti_23, Vitaenoi_46, ViviJ_29, Vordorf_47, Wanda_55, Weasels2_31, WelcomeAyanna_24, Wheezy_19, Whiteclaw_24, Whitney_29, WhoseManz_19, Wiggin_38, Willez_34, William_26, Wintermute_32, Wooper_45, Worcestershire_50, Wrigley_28, Xandras_37, Xiaokay_44, Y10_32, Y2_32, Yago84_42, YasnayaPolyana_32, YassJohnny_36, Yeet412_24, Yeet_47, Yeezy_27, Yeshua_45, Yinzer_24, Yndexa_19, Youngblood_35, ZAYM_27, Zameen_27, Zarafa_10, Zelink_50, Zirinka_25, Zolita_7, xkcd_36,

Summary by start number:

Start 84:

- Found in 1 of 855 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 741
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kimberlium_33 (F1),

Start 86:

- Found in 39 of 855 (4.6%) of genes in pham
- Manual Annotations of this start: 31 of 741
- Called 89.7% of time when present
- Phage (with cluster) where this start called: BAKA_53 (J), Beem_49 (J), Bombitas_46 (J), Constella_41 (J), Dallas_51 (J), DmpstrDiver_50 (J), Dove_46 (J), Duke13_52 (J), Ejimix_49 (J), EricMillard_49 (J), Gaia_34 (X), Halley_49 (J), Hannaconda_45 (J), HokkenD_42 (J), Hughesyang_47 (J), JuicyJay_51 (J), Kalah2_49 (J), KashFlow_42 (J), Klein_49 (J), LittleE_53 (J), Minerva_55 (J), Nekros_47 (J), Nibley_43 (J), NihilNomen_48 (J), Omega_53 (J), Optimus_54 (J), Phoebus_48 (J), Pound_51 (J), Redno2_47 (J), Schatzie_46 (J), Shaboozey_41 (J), ThreeRngTarjay_47 (J), Wanda_55 (J), Xiaokay_44 (J), Yeet_47 (J),

Start 90:

- Found in 3 of 855 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 741
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aikoy_46 (AE), Leopard_46 (AE), Onyinye_47 (AE),

Start 91:

- Found in 1 of 855 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: E3_gp85 (singleton),

Start 92:

- Found in 97 of 855 (11.3%) of genes in pham
- Manual Annotations of this start: 3 of 741
- Called 3.1% of time when present
- Phage (with cluster) where this start called: BiPauneto_20 (CR4), Sukkupi_19 (CR4), Yndexa_19 (CR4),

Start 94:

- Found in 43 of 855 (5.0%) of genes in pham
- Manual Annotations of this start: 4 of 741
- Called 16.3% of time when present
- Phage (with cluster) where this start called: Bagrid_48 (J), BronnyJames_41 (J), Cuke_31 (AC), Fowlmouth_34 (AC), MrMiyagi_34 (AC), Odette_49 (J), Zelink_50 (J),

Start 96:

- Found in 8 of 855 (0.9%) of genes in pham
- Manual Annotations of this start: 7 of 741
- Called 87.5% of time when present

- Phage (with cluster) where this start called: Apiary_20 (CR6), Braxoaddie_20 (CR6), CoffeeBean_20 (CR6), Gagieri_19 (CR6), MacGully_23 (CR7), Maselop_20 (CR6), Polyyuki_20 (CR6),

Start 98:

- Found in 149 of 855 (17.4%) of genes in pham
- Manual Annotations of this start: 132 of 741
- Called 97.3% of time when present
- Phage (with cluster) where this start called: 244_37 (E), ABCat_34 (E), Adnama_38 (E), Amao_35 (E), AmericanBeauty_37 (E), Argent26_37 (E), Asriel_34 (E), BaboJay_34 (E), BadStone_34 (E), Balomoji_34 (E), Barbarian_34 (E), Bask21_35 (E), Becksu_35 (E), Bench_37 (E), BigBubba_36 (E), BilboSwaggins_35 (E), Bogg_35 (E), Brewer_35 (E), Bruin_35 (E), Buck_34 (E), Budgie_37 (E), BugsBunny_33 (E), Cactus_36 (E), ChosenOne_35 (E), ChotaBhai_35 (E), Cjw1_35 (E), Command613_36 (E), Contagion_34 (E), Cookies_35 (E), CrystalP_35 (E), Czystczon1_36 (E), Daikon_34 (E), DoctorDiddles_35 (E), DrDrey_36 (E), Dumbo_35 (E), Dusk_34 (E), Easy2Say_37 (E), Elite2014_34 (E), Elph10_36 (E), Emmina_36 (E), Eureka_35 (E), FairyPath_35 (E), Filch_36 (E), FireRed_35 (E), Flypotenuse_33 (E), FoghornLeghorn_34 (E), Gage_37 (E), Gator_33 (E), Gemini_38 (E), Glexan_33 (E), Goku_35 (E), GoldenSpark_37 (E), Goldilocks_36 (E), GooberAzure_37 (E), Greep_36 (E), HanKaySha_36 (E), Harella_34 (E), Henry_36 (E), Highbury_36 (E), Holt_36 (E), Hoonter_37 (E), Hopey_37 (E), HufflyPuff_34 (E), IHOP_35 (E), Icee_34 (E), Inca_34 (E), JeTaime_37 (E), Kanye_37 (E), Kimchi_37 (E), Kostya_36 (E), Lilac_37 (E), Lilizi_37 (E), Lilpickle_34 (E), Livelylaughbron_36 (E), MISSy_34 (E), MPhalcon_34 (E), MadamMonkfish_35 (E), Manda_36 (E), Marshmallow_35 (E), Maxxinista_36 (E), Mindy_35 (E), Miniwave_35 (E), Misfit_35 (E), Moldemort_36 (E), MollyToe_35 (E), Mosby_34 (E), Murica_34 (E), Murphy_36 (E), Myrale_35 (E), Nala_35 (E), NelitzaMV_35 (E), Nimrod_35 (E), NoSleep_36 (E), NonchalantPear_35 (E), OrionPax_36 (E), PaddyBaddy_36 (E), Palpatine_35 (E), Paperbeatsrock_37 (E), Pat3_34 (E), Petra64142_37 (E), Phaja_35 (E), Pharsalus_36 (E), PhatBacter_35 (E), Phaux_34 (E), Phrux_35 (E), Policronamos_35 (E), Porky_35 (E), Ptowny_36 (E), Pumpkin_37 (E), Quallification_36 (E), Rakim_36 (E), Rimmer_34 (E), RiverMonster_35 (E), Saints25_36 (E), Sassay_34 (E), ShamWow_35 (E), ShereKhan_37 (E), Simpliphy_36 (E), SirDuracell_34 (E), SophKB_35 (E), Sotrice96_35 (E), Stank_38 (E), Stark_36 (E), StellaBean_35 (E), StolenFromERC_37 (E), StormChicken_35 (E), TBrady12_37 (E), Tarkin_37 (E), TeamEdward_35 (E), TeardropMSU_34 (E), Teaspoon_36 (E), Terminus_35 (E), Thimble_35 (E), Thresher_36 (E), Tomaszewski_34 (E), Toto_35 (E), Traaww1_33 (E), Tucō_36 (E), Ukulele_35 (E), Wiggins_38 (E), Willez_34 (E), Xandras_37 (E), YassJohnny_36 (E), Youngblood_35 (E), xkcd_36 (E),

Start 100:

- Found in 6 of 855 (0.7%) of genes in pham
- Manual Annotations of this start: 4 of 741
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Coeur_17 (CW2), Emperor_4 (DM), EpicDab_7 (DM), GMA5_15 (CW2), GRU3_15 (CW2), Rahul_17 (CW2),

Start 102:

- Found in 27 of 855 (3.2%) of genes in pham
- Manual Annotations of this start: 23 of 741
- Called 96.3% of time when present

- Phage (with cluster) where this start called: Bobquesha_33 (K4), Boilgate_28 (K8), Chancellor_32 (K4), Cheetobro_32 (K4), DanSyl44_35 (K4), Eponine_34 (K4), Fionnbharth_32 (K4), JF1_32 (K4), Juliette_34 (K4), Kraw_32 (K4), Lebo14_32 (K4), Malthus_33 (K4), MissDaisy_32 (K4), Mitti_32 (K4), OmniCritical_32 (K4), Patt_32 (K4), Qhanda_33 (K4), Reptar3000_32 (K4), Ruthiejr_33 (K4), SamScheppers_32 (K4), Slarp_32 (K4), Taquito_32 (K4), Wintermute_32 (K4), Y10_32 (K4), Y2_32 (K4), YasnayaPolyana_32 (K4),

Start 106:

- Found in 1 of 855 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 741
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phantastic_10 (A3),

Start 107:

- Found in 12 of 855 (1.4%) of genes in pham
- Manual Annotations of this start: 1 of 741
- Called 8.3% of time when present
- Phage (with cluster) where this start called: BritBrat_27 (CY2),

Start 108:

- Found in 10 of 855 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 741
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Lilas_27 (CY1),

Start 109:

- Found in 29 of 855 (3.4%) of genes in pham
- Manual Annotations of this start: 18 of 741
- Called 96.6% of time when present
- Phage (with cluster) where this start called: B1_08 (A3), BabyJohn_9 (A3), BabyRay_10 (A3), BlueBird_11 (A3), Bugatti_10 (A3), Chiqui_9 (A3), Clammy_10 (A3), DropBear_10 (A3), Fred313_10 (A3), Giroux_11 (A3), Heathen_10 (A3), HelDan_10 (A3), Idleandcovert_10 (A3), Isca_10 (A3), JF2_10 (A3), JF4_10 (A3), Kachowdy_10 (A3), MA5_10 (A3), MK4_10 (A3), Marchesa_10 (A3), Pistachio_11 (A3), Puppy_11 (A3), Rockstar_10 (A3), Roimos_10 (A3), SaturnRing_10 (A3), Scout_10 (A3), TNguyen7_10 (A3), Zarafa_10 (A3),

Start 110:

- Found in 59 of 855 (6.9%) of genes in pham
- Manual Annotations of this start: 51 of 741
- Called 89.8% of time when present
- Phage (with cluster) where this start called: AgentM_8 (A5), Airmid_8 (A5), Aragog_8 (A5), Archetta_8 (A5), Astro_8 (A8), Benedict_8 (A5), Bluefalcon_7 (A5), Bonamassa_8 (A5), Caitlin_8 (A8), Chadwick_9 (A5), Conspiracy_8 (A5), Coog_8 (A5), Cuco_8 (A5), Danforth_7 (A8), Discoknowium_8 (A5), Dixon_8 (A8), Dublin_7 (A5), ElTiger69_8 (A5), Expelliarmus_7 (A8), Florence4_9 (A5), ForGetIt_8 (A5), George_7 (A5), Ghouboy_8 (A5), Groundhog_7 (A8), HuhtaEnerson15_8 (A5), Jabiru_8 (A5), Jovo_8 (A5), Lev2_8 (A5), LittleCherry_8 (A5), MarysWell_7 (A5), Micasa_8 (A5), Midas2_8 (A5), Milcery_8 (A5), Naca_8 (A5), NearlyHeadless_8 (A8), PetterN_9 (A5), Phillis_8 (A8), Phlorence_8 (A5), PickleBack_8 (A5), Prinash11_9 (A5), Roary_8 (A8), Saintus_8 (A8), Scorpia_9 (A5), Smeadley_8 (A8), Stephig9_8 (A8), Swirley_8 (A5), SydNat_8 (A5), Tarynearal_7 (A5), Theia_7 (A5), Tiger_8 (A5),

Twigg_8 (A5), UnionJack_8 (A5), Zolita_7 (A5),

Start 111:

- Found in 23 of 855 (2.7%) of genes in pham
- Manual Annotations of this start: 17 of 741
- Called 95.7% of time when present
- Phage (with cluster) where this start called: AN9_14 (A2), ANI8_14 (A2), Bradman_10 (A2), C3_09 (A2), D29_12 (A2), D32_14 (A2), DBQu4n_14 (A2), Duplo_14 (A2), ForesterFrank_12 (A2), Jsquared_10 (A2), Kerberos_14 (A2), Koduck_12 (A2), L5_12 (A2), MajorMajor_10 (A2), Naji_14 (A2), Pomar16_14 (A2), Quokka_9 (A2), Serenity_10 (A2), StarStuff_14 (A2), Tomathan_14 (A2), Travvers_14 (A2), VC3_14 (A2),

Start 116:

- Found in 15 of 855 (1.8%) of genes in pham
- Manual Annotations of this start: 9 of 741
- Called 80.0% of time when present
- Phage (with cluster) where this start called: BabyMoney_47 (DT), Dogfish_46 (DT), Ewald_46 (DT), Journey13_9 (A2), Manilisa_49 (DT), Meyran_46 (DT), MissWhite_11 (A2), Nyceirae_51 (DT), P3MA_29 (singleton), Phishy_50 (DT), TipsytheTRex_10 (A2), Vordorf_47 (DT),

Start 117:

- Found in 58 of 855 (6.8%) of genes in pham
- Manual Annotations of this start: 49 of 741
- Called 87.9% of time when present
- Phage (with cluster) where this start called: ASerpRocky_44 (CS4), Adgers_51 (CS2), Amore2_52 (CS1), Austin_52 (CS1), Barbochs_48 (CS2), Beaver_53 (CS2), Benczkowski14_44 (CS4), BenoitCattle_51 (CS2), BigShaq_50 (CS2), BirksAndSocks_54 (CS2), Boneham_53 (CS2), Breezic_49 (CS2), Butterball_53 (CS2), CathyBurgh_49 (CS2), Chelms_50 (CS2), Dakiti_51 (CS2), Demosthenes_43 (CS4), Diabla_53 (CS2), Eggsie_48 (CS2), Ekhein_50 (CS2), Exiguo_49 (CS2), FelixAlejandro_54 (CS2), Flakey_49 (CS2), GMA7_41 (CS1), GTE7_40 (CS1), Gorko_49 (CS2), GourdThymes_49 (CS2), HayZem_51 (CS1), Hollow_45 (CS4), Hotorobo_49 (CS2), Jellybones_52 (CS2), John316_53 (CS2), Katyusha_44 (CS4), Kvothe_44 (CS4), Linetti_51 (CS2), Lizzo_49 (CS2), Msay19_54 (CS2), Niagara_44 (CS4), Philon9_46 (CS4), PierreThree_50 (CS2), PokyPuppy_49 (CS2), Poland_54 (CS2), RemRem_50 (CS2), RoyalG_50 (CS2), Sam12_49 (CS2), Sombrero_50 (CS2), SteveFrench_49 (CS2), Teatealatte_45 (CS4), Teech_45 (CS4), Tredge_45 (CS4), Vitaenoi_46 (CS4),

Start 118:

- Found in 25 of 855 (2.9%) of genes in pham
- Manual Annotations of this start: 20 of 741
- Called 88.0% of time when present
- Phage (with cluster) where this start called: Agent47_30 (K5), AlleyCat_31 (K5), Amelie_27 (K1), BananenDer11_30 (K5), Biglebops_27 (K1), Collard_30 (K5), Dadosky_31 (K5), Edugator_30 (K5), Enkosi_27 (K1), InvictusManeo_30 (K5), Larva_31 (K5), LilDirt_29 (K5), LilPharaoh_27 (K1), Mdavu_27 (K1), Nikao_27 (K1), Nutello_27 (K1), Psycho_31 (K5), SgtBeansprout_27 (K1), Teejan_27 (K1), Torres_27 (K1), Trice_27 (K1), ViviJ_29 (K5),

Start 119:

- Found in 163 of 855 (19.1%) of genes in pham
- Manual Annotations of this start: 151 of 741
- Called 98.2% of time when present
- Phage (with cluster) where this start called: ActinUp_31 (K1), Adephagia_31 (K1), Adonis_31 (K1), Ageofdapage_31 (K1), AlishaPH_31 (K1), Amgine_29 (K6), Amohnition_30 (K6), Anaya_32 (K1), Angelica_31 (K1), Apocalypse_31 (K1), Applecrisp_29 (K6), Asayake_31 (K1), Atiba_31 (K1), BEEST_31 (K1), BGlluviae_31 (K1), BaghaKamala_31 (K1), BarrelRoll_31 (K1), Beezoo_31 (K1), Bella96_31 (K1), Belladonna_31 (K1), Bern_31 (K1), Blizzard_31 (K1), Boiii_31 (K1), Bryler_31 (K6), CREW_31 (K1), Cain_31 (K6), CallaLilly_31 (K1), Capricorn_31 (K1), CaseJules_31 (K1), Chavito_31 (K1), CheetoDust_31 (K1), Chris_30 (K1), Clipper_31 (K1), CrimD_31 (K1), Curiosium_32 (K1), Dalmuri_31 (K1), DartGoblin_31 (K1), DartP_30 (K6), Dartin_31 (K1), Deby_31 (K1), Devera_31 (K1), Dole_31 (K1), DrHayes_31 (K1), Durfee_31 (K1), Efra2_31 (K1), Ekdilam_28 (K6), Ellie_28 (K6), Emerson_31 (K1), Fefferhead_30 (K6), Feyre_30 (K5), FlyCatcher_14 (A7), Ganymede_32 (K1), Gengar_30 (K5), Geraldini_31 (K1), Guanica15_31 (K1), Guillsminger_30 (K5), Hammy_30 (K6), HedwigODU_31 (K1), Heftyboy_30 (K5), Homura_31 (K1), Hurricane_32 (K3), Hyperbowlee_31 (K1), Illumine_31 (K1), Inky_31 (K1), JAWS_31 (K1), Jarvi_31 (K1), Jayhawk_31 (K1), Jeckyll_31 (K1), Joy99_31 (K1), Keshu_32 (K3), KiSi_30 (K1), Kimona_7 (A19), Krueger_31 (K6), LastHope_31 (K1), LaterM_31 (K1), Lavahound_29 (K6), LeMond_30 (K1), Lea83_32 (K3), Leston_30 (K5), LindNT_31 (K1), Llorens_31 (K1), Lunahalos_31 (K1), MacKat_31 (K1), MacnCheese_32 (K3), MalagasyRose_31 (AG), MarkPhew_31 (K1), Marshawn_32 (K6), McMater_31 (K1), MeaningOfLife_31 (K1), Megsy_31 (K1), Miryou_30 (K5), Murucutumbu_31 (K1), Mynx_31 (K1), Nibb_30 (K1), Niklas_31 (K1), November_29 (K6), OkiRoe_30 (K5), Omnicron_31 (K5), Oscar_30 (K1), PP_20 (A7), Padfoot_31 (K1), Padpat_31 (K1), Paola_30 (K5), Peanam_31 (K1), Peel_31 (K1), Pharb_30 (K3), PhelpsODU_31 (K6), Phrank_31 (K6), Piatt_31 (K1), Pisa4_30 (K1), Pixie_31 (K3), Pokerus_30 (K1), Prithvi_31 (K1), QuincyRose_30 (K1), Ramen_31 (K1), Rando14_31 (K5), Rapunzel97_31 (K1), Richo_31 (K1), Rosmarinus_31 (K1), SamuelLPlaqueson_31 (K1), Scarlett_30 (K1), Shadow1_30 (K6), Shaobing_31 (K1), ShedlockHolmes_32 (K3), Sheen_12 (A7), ShiaSurprise_31 (K1), SirPhilip_30 (K6), Slimphazie_31 (K1), SoSeph_30 (K5), Spock_31 (K1), Stinson_32 (K1), Sulley_31 (K1), Sunflower1121_30 (K6), Syra333_31 (K6), TBond007_31 (K3), Tachez_31 (K1), TaiwanKao_32 (K1), Thyatira_30 (K5), Tierra_31 (K6), Tigress9_31 (K6), TingHuaYa_31 (K1), TiniBug_31 (K1), Tiri_31 (K1), Topper_31 (K1), Toro_13 (A7), TreyKay_31 (K1), TribbleTrouble_30 (K3), TruffulaTree_31 (K1), Twitch_31 (K1), Unicorn_31 (K6), Urkel_31 (K1), Validus_31 (K1), Veliki_31 (K1), Waterfoul_30 (K5), Ximenita_32 (K6), YoureAdopted_30 (K1), Yuna_32 (K6), Yunkel11_31 (K1), Zabiza_31 (K1), Zavala_31 (K1),

Start 121:

- Found in 152 of 855 (17.8%) of genes in pham
- Manual Annotations of this start: 2 of 741
- Called 2.0% of time when present
- Phage (with cluster) where this start called: InLimbo_25 (DH), Morkie_24 (DH), PhorbesPhlower_24 (DH),

Start 122:

- Found in 2 of 855 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 741
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nergal_27 (AG), TClif_32 (K6),

Start 124:

- Found in 6 of 855 (0.7%) of genes in pham
- Manual Annotations of this start: 6 of 741
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnClar_43 (DR), BiggityBass_42 (DR), LittleMunchkin_44 (DR), Sisko_42 (DR), Sour_47 (DR), Yago84_42 (DR),

Start 125:

- Found in 57 of 855 (6.7%) of genes in pham
- Manual Annotations of this start: 21 of 741
- Called 40.4% of time when present
- Phage (with cluster) where this start called: Bradissa_27 (CY1), Chipko_27 (DB), DirtyBoi_28 (DB), Dmitri_27 (DB), EMSquaredA_27 (CY1), EnalisNailo_27 (CY1), Eyre_23 (singleton), Fairfaxidum_25 (CV), Faith5x5_23 (CZ6), Floral_27 (CY1), GAL1_26 (singleton), Gudmit_24 (singleton), Hedwig_28 (DB), JCole_22 (CZ2), Marteena_27 (CY1), Matteo_23 (CZ2), PCoral7_26 (CV), Pepperoni_24 (CZ), Pollux_27 (CY1), PrincePatrick_25 (CV), RayTheFireFly_27 (DB), Toast_26 (CV), William_26 (CV),

Start 126:

- Found in 38 of 855 (4.4%) of genes in pham
- Manual Annotations of this start: 32 of 741
- Called 97.4% of time when present
- Phage (with cluster) where this start called: Attis_24 (CZ2), Axumite_42 (DR), Bjaness_24 (CZ2), BobRoss2024_41 (DR), CharlottesWeb_42 (DR), Clap_24 (CZ2), Cynthia_24 (CZ2), Ebert_24 (CZ2), EdnaMode_23 (CZ2), Fresco_42 (DR), FroggyToad_24 (CZ2), GemG_24 (CZ2), Gizermo_24 (CZ2), Haley23_24 (CZ2), JellyBelly_42 (DR), Lamberg_23 (CZ2), Ligma_42 (DR), LordFarquaad_24 (CZ2), Lton_23 (CZ), Lucky10_24 (DH), Mariokart_42 (DR), Mocha12_24 (CZ2), Moosehead_23 (CZ6), Nettuno_23 (CZ2), OneDirection_22 (CZ6), Pickett_23 (CZ2), Sahara_23 (CZ2), Savage_24 (CZ2), Shatter_42 (DR), SoilAssassin_24 (CZ2), Sproutie_24 (CZ2), TinyDot_25 (singleton), TuertoX_24 (CZ2), Vasanti_23 (CZ2), Whiteclaw_24 (CZ2), Yeet412_24 (CZ2), Yinzer_24 (CZ2),

Start 127:

- Found in 8 of 855 (0.9%) of genes in pham
- Manual Annotations of this start: 5 of 741
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Coriander_27 (DB), Doggs_26 (DB), Fury_25 (CR5), HomeFry_22 (CR5), Kiko_27 (DB), PatriciaStar_25 (DB), Scuba_25 (CR5),

Start 131:

- Found in 29 of 855 (3.4%) of genes in pham
- Manual Annotations of this start: 21 of 741
- Called 96.6% of time when present
- Phage (with cluster) where this start called: AksarBAT_43 (DR), AnarQue_45 (DR), BBQValindra_26 (DB), BackstagePass_26 (DB), Blackpen_45 (DR), Bowser_26 (DB), Bunker_26 (DB), CaiB_45 (DR), CloverMinnie_45 (DR), Evaa_42 (DR), Eyes_26 (DB), FelixTres_45 (DR), GEazy_26 (DB), HannahD_26 (DB), Jecs_27 (DB), MagicMan_26 (DB), MakoManhole_45 (DR), MossRose_45 (DR), NHagos_43 (DR), NaLuna_26 (DB), Opie_26 (DB), RavenCo17_24 (CZ8), Schnabeltier_26 (DB),

TaronosaurusRx_26 (DB), TraderJ_45 (DR), Wooper_45 (DR), Yeshua_45 (DR), ZAYM_27 (DB),

Start 134:

- Found in 165 of 855 (19.3%) of genes in pham
- Manual Annotations of this start: 1 of 741
- Called 3.0% of time when present
- Phage (with cluster) where this start called: Anma_31 (K1), DoubleChamp_30 (K5), Kratio_29 (K5), Neighly_31 (K3), Pisa1_30 (K1),

Start 136:

- Found in 80 of 855 (9.4%) of genes in pham
- No Manual Annotations of this start.
- Called 5.0% of time when present
- Phage (with cluster) where this start called: BillyBobJr_55 (CS2), CinnamonToast_55 (CS2), Crete_51 (CS2), Worcestershire_50 (CS2),

Start 137:

- Found in 27 of 855 (3.2%) of genes in pham
- Manual Annotations of this start: 22 of 741
- Called 92.6% of time when present
- Phage (with cluster) where this start called: Arti_19 (CR2), Commandaria_20 (CR2), Dalilpop_23 (CR1), Emianna_19 (CR2), Ennea_24 (CR3), Flapper_22 (CR1), Float294_20 (CR3), Foxboro_20 (CR2), GRU1_9 (CR1), GTE5_9 (CR1), GTE8_7 (CR2), GrootJr_21 (CR2), Jifall16_18 (CR2), KidneyBean_19 (CR2), Kurt_19 (CR2), Lollipop1437_23 (CR3), NatB6_19 (CR2), NovumRegina_19 (CR2), Patio_21 (CR3), Phomeo_18 (CR2), RedRaider_25 (CR3), Skysand_20 (CR3), Tracker_19 (CR2), Turuncu_22 (CR1), Wheezy_19 (CR2),

Start 139:

- Found in 40 of 855 (4.7%) of genes in pham
- Manual Annotations of this start: 8 of 741
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Bonum_21 (CR2), Buggaboo_20 (CR2), Kabluna_21 (CR2), MerCougar_19 (CR2), NosilaM_21 (CR2), Outis_19 (CR2), StarStruck_19 (CR2), SuperSulley_20 (CR2),

Start 140:

- Found in 3 of 855 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 741
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Marietta_19 (CR4), Pemberton_20 (CR4), WhoseManz_19 (CR4),

Start 143:

- Found in 3 of 855 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 741
- Called 100.0% of time when present
- Phage (with cluster) where this start called: HubbaBubba_15 (CR4), IDyn_18 (CR4), NadineRae_17 (CR4),

Start 156:

- Found in 2 of 855 (0.2%) of genes in pham

- Manual Annotations of this start: 2 of 741
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dorin_11 (CG), Francesca_10 (CG),

Start 161:

- Found in 61 of 855 (7.1%) of genes in pham
- Manual Annotations of this start: 4 of 741
- Called 8.2% of time when present
- Phage (with cluster) where this start called: Florence1_8 (A5), Grayson_31 (CB), Nova53_11 (CG), Peregrin_29 (CB), Weasels2_31 (CB),

Start 162:

- Found in 19 of 855 (2.2%) of genes in pham
- Manual Annotations of this start: 1 of 741
- Called 5.3% of time when present
- Phage (with cluster) where this start called: Gray_31 (DQ),

Start 165:

- Found in 25 of 855 (2.9%) of genes in pham
- No Manual Annotations of this start.
- Called 4.0% of time when present
- Phage (with cluster) where this start called: Jalleen_24 (CZ2),

Start 168:

- Found in 66 of 855 (7.7%) of genes in pham
- Manual Annotations of this start: 2 of 741
- Called 4.5% of time when present
- Phage (with cluster) where this start called: Kelzog_51 (CS2), Monty_48 (CS2), Squibbles_49 (CS2),

Start 169:

- Found in 6 of 855 (0.7%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: GMA6_16 (DQ),

Start 171:

- Found in 58 of 855 (6.8%) of genes in pham
- Manual Annotations of this start: 11 of 741
- Called 41.4% of time when present
- Phage (with cluster) where this start called: Alok_31 (DQ), Amoonguss_30 (DQ), Argena_30 (DQ), Beted_31 (DQ), Chidiebere_31 (DQ), ChisanaKitsune_27 (DQ), DalanDe_26 (DQ), EmoNemo_30 (DQ), Farrylous_29 (DQ), FlyingTortilla_30 (DQ), FruityLoops_29 (DQ), Hanem_31 (DQ), Kabocha_32 (DQ), Lenoshki_31 (DQ), Mikronejon_30 (DQ), MintFritos_30 (DQ), Oogie_32 (DQ), Pakusa_30 (DQ), ScarletRaider_30 (DQ), Schomber_30 (DQ), Thales_26 (DQ), Toneprano_30 (DQ), Twin_30 (DQ), UBSmoodge_32 (DQ),

Start 173:

- Found in 390 of 855 (45.6%) of genes in pham
- No Manual Annotations of this start.
- Called 0.3% of time when present
- Phage (with cluster) where this start called: DocB7_038 (singleton),

Start 174:

- Found in 1 of 855 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: E3_gp167 (singleton),

Start 176:

- Found in 16 of 855 (1.9%) of genes in pham
- No Manual Annotations of this start.
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Hugley_25 (CZ1), SushiChef_27 (CZ),

Start 177:

- Found in 1 of 855 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 741
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Indlulamithi_36 (AC),

Start 187:

- Found in 67 of 855 (7.8%) of genes in pham
- Manual Annotations of this start: 7 of 741
- Called 10.4% of time when present
- Phage (with cluster) where this start called: BeeGee_26 (CY5), Cashline_26 (CY6), Confidence_26 (CY1), Jablanski_28 (CY3), Posh_28 (CY4), Pytheas_28 (CY3), Wrigley_28 (CY4),

Start 188:

- Found in 19 of 855 (2.2%) of genes in pham
- Manual Annotations of this start: 13 of 741
- Called 68.4% of time when present
- Phage (with cluster) where this start called: BatStarr_25 (CZ1), Bialota_25 (CZ1), Bosnia_25 (CZ1), Denise_22 (CZ5), Eviarto_25 (CZ1), Herod_25 (CZ1), Madeline_25 (CZ1), Malibo_27 (DW), Ohgeesy_25 (CZ), ThankyouJordi_24 (CZ1), TimTam_25 (CZ1), WelcomeAyanna_24 (CZ1), Zirinka_25 (CZ1),

Start 189:

- Found in 309 of 855 (36.1%) of genes in pham
- Manual Annotations of this start: 17 of 741
- Called 5.5% of time when present
- Phage (with cluster) where this start called: Agueybana_26 (CZ1), AlumE_26 (CZ1), Antonio_27 (CZ1), BaxterFox_25 (CZ3), BoyNamedSue_26 (CZ1), Eudoria_27 (CZ1), Kita_27 (CZ1), Malisha_30 (DN), Manasvini_27 (CZ1), Maridalia_26 (CZ1), Neobush_27 (CZ1), PantheRoc_26 (CZ3), Suscepit_27 (CZ1), Tayonia_27 (CZ1), Trumpet_27 (CZ1), Yeezy_27 (CZ3), Zameen_27 (CZ1),

Start 193:

- Found in 35 of 855 (4.1%) of genes in pham
- No Manual Annotations of this start.
- Called 2.9% of time when present
- Phage (with cluster) where this start called: Moonflower_27 (DB),

Start 199:

- Found in 1 of 855 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 741
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ecliptus_31 (DN),

Start 201:

- Found in 31 of 855 (3.6%) of genes in pham
- Manual Annotations of this start: 28 of 741
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Angelique_28 (CY1), Apricot_27 (DN3), Asapag_28 (DN1), BENTherdunthat_28 (DN1), BearBQ_27 (DN), Birdsong_27 (DN), BotCity_28 (DN), Budski_28 (DN), CheeseTouch_28 (DN1), Crater_26 (DN3), Frickyeah_27 (DN1), Getalong_29 (DN1), Holliday_28 (DN1), Horus_28 (DN1), Kamaru_28 (DN1), Kenna_27 (DN1), Kuwabara_27 (DN4), Leroy_28 (DN1), LitninMcQueen_27 (DN1), LonelyBoi_27 (CY7), Lutum_28 (DN1), MortyNRick_27 (DN), ODay_32 (DN), Periwinkle_30 (DN1), Phabuloso_27 (DN1), PhaoMing_23 (UNK), Phistory_29 (DN1), ShawBrad_28 (DN1), Spooky_28 (DN2), Squiddly_30 (DN2), Whitney_29 (DN1),

Start 207:

- Found in 55 of 855 (6.4%) of genes in pham
- Manual Annotations of this start: 2 of 741
- Called 3.6% of time when present
- Phage (with cluster) where this start called: Nymphadora_25 (CZ1), Polly_24 (CZ1),

Start 215:

- Found in 61 of 855 (7.1%) of genes in pham
- Manual Annotations of this start: 1 of 741
- Called 1.6% of time when present
- Phage (with cluster) where this start called: Pleakley_25 (CR5),

Start 231:

- Found in 74 of 855 (8.7%) of genes in pham
- No Manual Annotations of this start.
- Called 1.4% of time when present
- Phage (with cluster) where this start called: Madavieve_25 (CZ1),

Summary by clusters:

There are 61 clusters represented in this pham: DN, DN3, singleton, CW2, DH, CZ2, CZ3, CZ1, CZ6, AC, CZ5, K3, K1, DM, K6, K5, K4, AE, DT, K8, DR, DQ, DN1, CY4, A19, DN4, A3, A2, A5, A7, CB, A8, CS1, CS2, CY3, CY2, CY1, E, CY6, AG, F1, DB, J, CG, DW, CZ, CS4, CY5, X, UNK, CV, CR2, CR3, CR1, CR6, CR7, CR4, CR5, CY7, DN2, CZ8,

Info for manual annotations of cluster A19:

- Start number 119 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 111 was manually annotated 17 times for cluster A2.
- Start number 116 was manually annotated 3 times for cluster A2.

Info for manual annotations of cluster A3:

- Start number 106 was manually annotated 1 time for cluster A3.
- Start number 109 was manually annotated 18 times for cluster A3.

Info for manual annotations of cluster A5:

- Start number 110 was manually annotated 39 times for cluster A5.

Info for manual annotations of cluster A7:

- Start number 119 was manually annotated 2 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 110 was manually annotated 12 times for cluster A8.

Info for manual annotations of cluster AC:

- Start number 94 was manually annotated 3 times for cluster AC.
- Start number 177 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster AE:

- Start number 90 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster AG:

- Start number 119 was manually annotated 1 time for cluster AG.
- Start number 122 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster CB:

- Start number 161 was manually annotated 3 times for cluster CB.

Info for manual annotations of cluster CG:

- Start number 156 was manually annotated 2 times for cluster CG.
- Start number 161 was manually annotated 1 time for cluster CG.

Info for manual annotations of cluster CR1:

- Start number 137 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 137 was manually annotated 13 times for cluster CR2.
- Start number 139 was manually annotated 8 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 137 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 92 was manually annotated 3 times for cluster CR4.
- Start number 140 was manually annotated 2 times for cluster CR4.
- Start number 143 was manually annotated 3 times for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 127 was manually annotated 2 times for cluster CR5.
- Start number 215 was manually annotated 1 time for cluster CR5.

Info for manual annotations of cluster CR6:

- Start number 96 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CR7:

- Start number 96 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CS1:

- Start number 117 was manually annotated 3 times for cluster CS1.

Info for manual annotations of cluster CS2:

- Start number 117 was manually annotated 34 times for cluster CS2.
- Start number 168 was manually annotated 2 times for cluster CS2.

Info for manual annotations of cluster CS4:

- Start number 117 was manually annotated 12 times for cluster CS4.

Info for manual annotations of cluster CV:

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

Info for manual annotations of cluster CW2:

- Start number 100 was manually annotated 2 times for cluster CW2.

Info for manual annotations of cluster CY1:

- Start number 108 was manually annotated 1 time for cluster CY1.
- Start number 125 was manually annotated 6 times for cluster CY1.
- Start number 187 was manually annotated 1 time for cluster CY1.
- Start number 201 was manually annotated 1 time for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 107 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:

- Start number 187 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 187 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:

- Start number 187 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:

- Start number 187 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:

- Start number 201 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster CZ:

- Start number 125 was manually annotated 1 time for cluster CZ.
- Start number 126 was manually annotated 1 time for cluster CZ.
- Start number 188 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 188 was manually annotated 10 times for cluster CZ1.
- Start number 189 was manually annotated 13 times for cluster CZ1.
- Start number 207 was manually annotated 2 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 125 was manually annotated 2 times for cluster CZ2.
- Start number 126 was manually annotated 22 times for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 189 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ5:

- Start number 188 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 125 was manually annotated 1 time for cluster CZ6.
- Start number 126 was manually annotated 2 times for cluster CZ6.

Info for manual annotations of cluster CZ8:

- Start number 131 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DB:

- Start number 125 was manually annotated 4 times for cluster DB.
- Start number 127 was manually annotated 3 times for cluster DB.
- Start number 131 was manually annotated 10 times for cluster DB.

Info for manual annotations of cluster DH:

- Start number 121 was manually annotated 2 times for cluster DH.
- Start number 126 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DM:

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

Info for manual annotations of cluster DN:

- Start number 189 was manually annotated 1 time for cluster DN.
- Start number 199 was manually annotated 1 time for cluster DN.
- Start number 201 was manually annotated 6 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 201 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 201 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 201 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 201 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DQ:

- Start number 162 was manually annotated 1 time for cluster DQ.
- Start number 171 was manually annotated 11 times for cluster DQ.

Info for manual annotations of cluster DR:

- Start number 124 was manually annotated 6 times for cluster DR.
- Start number 126 was manually annotated 5 times for cluster DR.
- Start number 131 was manually annotated 10 times for cluster DR.

Info for manual annotations of cluster DT:

- Start number 116 was manually annotated 5 times for cluster DT.

Info for manual annotations of cluster DW:

- Start number 188 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster E:

- Start number 98 was manually annotated 132 times for cluster E.

Info for manual annotations of cluster F1:

- Start number 84 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster J:

- Start number 86 was manually annotated 30 times for cluster J.
- Start number 94 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster K1:

- Start number 118 was manually annotated 9 times for cluster K1.
- Start number 119 was manually annotated 100 times for cluster K1.

Info for manual annotations of cluster K3:

- Start number 119 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 102 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 118 was manually annotated 11 times for cluster K5.
- Start number 119 was manually annotated 13 times for cluster K5.
- Start number 134 was manually annotated 1 time for cluster K5.

Info for manual annotations of cluster K6:

- Start number 119 was manually annotated 25 times for cluster K6.
- Start number 122 was manually annotated 1 time for cluster K6.

Info for manual annotations of cluster K8:

- Start number 102 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster X:

- Start number 86 was manually annotated 1 time for cluster X.

Gene Information:

Gene: 244_37 Start: 32138, Stop: 32995, Start Num: 98

Candidate Starts for 244_37:

(Start: 98 @32138 has 132 MA's), (Start: 121 @32177 has 2 MA's), (144, 32207), (155, 32228), (173, 32264), (Start: 189 @32294 has 17 MA's), (234, 32369), (259, 32417), (260, 32420), (270, 32444), (271, 32447), (278, 32462), (350, 32633), (404, 32747), (411, 32762), (415, 32768), (445, 32810), (446, 32813), (481, 32867), (517, 32945), (535, 32978),

Gene: ABCat_34 Start: 31850, Stop: 32707, Start Num: 98

Candidate Starts for ABCat_34:

(Start: 98 @31850 has 132 MA's), (Start: 121 @31889 has 2 MA's), (144, 31919), (155, 31940), (173, 31976), (Start: 189 @32006 has 17 MA's), (234, 32081), (259, 32129), (260, 32132), (270, 32156), (271, 32159), (278, 32174), (350, 32345), (404, 32459), (411, 32474), (415, 32480), (445, 32522), (446, 32525), (481, 32579), (517, 32657), (535, 32690),

Gene: AN9_14 Start: 6596, Stop: 7345, Start Num: 111

Candidate Starts for AN9_14:

(Start: 111 @6596 has 17 MA's), (Start: 121 @6602 has 2 MA's), (214, 6743), (259, 6830), (269, 6854), (271, 6860), (282, 6887), (303, 6938), (308, 6956), (381, 7100), (415, 7163), (445, 7211), (446, 7214), (460, 7244), (472, 7253),

Gene: ANI8_14 Start: 6596, Stop: 7345, Start Num: 111

Candidate Starts for ANI8_14:

(Start: 111 @6596 has 17 MA's), (Start: 121 @6602 has 2 MA's), (214, 6743), (259, 6830), (269, 6854), (271, 6860), (282, 6887), (303, 6938), (308, 6956), (381, 7100), (415, 7163), (445, 7211), (446, 7214), (460, 7244), (472, 7253),

Gene: ASerpRocky_44 Start: 46453, Stop: 45620, Start Num: 117

Candidate Starts for ASerpRocky_44:

(Start: 117 @46453 has 49 MA's), (136, 46426), (173, 46360), (228, 46267), (360, 45925), (389, 45868), (448, 45745), (467, 45706), (479, 45682), (481, 45676),

Gene: ActinUp_31 Start: 26463, Stop: 27335, Start Num: 119

Candidate Starts for ActinUp_31:

(99, 26436), (Start: 119 @26463 has 151 MA's), (Start: 134 @26475 has 1 MA's), (173, 26544), (Start: 189 @26571 has 17 MA's), (205, 26601), (211, 26610), (234, 26646), (238, 26655), (250, 26688), (259, 26706), (271, 26736), (300, 26793), (301, 26796), (354, 26931), (370, 26958), (380, 26979), (391, 27003), (419, 27054), (449, 27156), (474, 27192), (486, 27216), (534, 27315), (537, 27324),

Gene: Adephagia_31 Start: 26460, Stop: 27332, Start Num: 119

Candidate Starts for Adephagia_31:

(99, 26433), (Start: 119 @26460 has 151 MA's), (Start: 134 @26472 has 1 MA's), (173, 26541), (Start: 189 @26568 has 17 MA's), (205, 26598), (211, 26607), (234, 26643), (238, 26652), (250, 26685), (259, 26703), (271, 26733), (300, 26790), (301, 26793), (354, 26928), (370, 26955), (380, 26976), (391, 27000), (419, 27051), (449, 27153), (474, 27189), (486, 27213), (534, 27312), (537, 27321),

Gene: Adgers_51 Start: 46251, Stop: 45394, Start Num: 117

Candidate Starts for Adgers_51:

(Start: 117 @46251 has 49 MA's), (136, 46227), (Start: 168 @46173 has 2 MA's), (206, 46098), (240, 46038), (246, 46020), (260, 45981), (276, 45945), (278, 45939), (338, 45768), (368, 45693), (383, 45663), (426, 45576), (459, 45501), (472, 45474), (501, 45414),

Gene: Adnama_38 Start: 32365, Stop: 33222, Start Num: 98

Candidate Starts for Adnama_38:

(Start: 98 @32365 has 132 MA's), (Start: 121 @32404 has 2 MA's), (144, 32434), (155, 32455), (173, 32491), (Start: 189 @32521 has 17 MA's), (234, 32596), (259, 32644), (260, 32647), (270, 32671), (271, 32674), (278, 32689), (350, 32860), (404, 32974), (411, 32989), (415, 32995), (445, 33037), (446, 33040), (481, 33094), (517, 33172), (535, 33205),

Gene: Adonis_31 Start: 26466, Stop: 27338, Start Num: 119

Candidate Starts for Adonis_31:

(99, 26439), (Start: 119 @26466 has 151 MA's), (Start: 134 @26478 has 1 MA's), (173, 26547), (Start: 189 @26574 has 17 MA's), (205, 26604), (211, 26613), (234, 26649), (238, 26658), (250, 26691), (259, 26709), (271, 26739), (301, 26799), (354, 26934), (370, 26961), (380, 26982), (391, 27006), (419, 27057), (449, 27159), (474, 27195), (486, 27219), (534, 27318), (537, 27327),

Gene: Agent47_30 Start: 27227, Stop: 27988, Start Num: 118

Candidate Starts for Agent47_30:

(Start: 92 @27179 has 3 MA's), (Start: 118 @27227 has 20 MA's), (Start: 134 @27239 has 1 MA's), (136, 27242), (Start: 139 @27245 has 8 MA's), (155, 27272), (173, 27308), (Start: 207 @27368 has 2 MA's), (211, 27374), (230, 27404), (234, 27410), (238, 27419), (250, 27452), (269, 27494), (270, 27497), (276, 27509), (295, 27545), (301, 27560), (311, 27596), (354, 27695), (370, 27722), (380, 27743), (449, 27806), (461, 27830), (481, 27854), (511, 27923), (534, 27968), (537, 27977),

Gene: AgentM_8 Start: 5433, Stop: 6242, Start Num: 110

Candidate Starts for AgentM_8:

(Start: 110 @5433 has 51 MA's), (155, 5496), (Start: 161 @5505 has 4 MA's), (Start: 171 @5526 has 11 MA's), (Start: 189 @5562 has 17 MA's), (219, 5610), (247, 5667), (256, 5691), (350, 5922), (379, 5979), (539, 6228),

Gene: Ageofdapage_31 Start: 26403, Stop: 27275, Start Num: 119

Candidate Starts for Ageofdapage_31:

(99, 26376), (Start: 119 @26403 has 151 MA's), (Start: 134 @26415 has 1 MA's), (173, 26484), (Start: 189 @26511 has 17 MA's), (205, 26541), (211, 26550), (234, 26586), (238, 26595), (250, 26628), (259, 26646), (301, 26736), (354, 26871), (370, 26898), (380, 26919), (391, 26943), (419, 26994), (449, 27096), (474, 27132), (486, 27156), (534, 27255), (537, 27264),

Gene: Agueybana_26 Start: 22183, Stop: 22803, Start Num: 189

Candidate Starts for Agueybana_26:

(50, 21808), (80, 21979), (81, 21982), (113, 22063), (Start: 125 @22084 has 21 MA's), (Start: 189 @22183 has 17 MA's), (205, 22192), (231, 22237), (267, 22318), (294, 22372), (308, 22417), (322, 22453), (347, 22504), (373, 22552), (406, 22615), (422, 22645), (454, 22696), (503, 22774),

Gene: Aikoy_46 Start: 36375, Stop: 37256, Start Num: 90

Candidate Starts for Aikoy_46:

(Start: 90 @36375 has 3 MA's), (164, 36471), (167, 36477), (211, 36561), (219, 36573), (270, 36675), (302, 36753), (308, 36774), (354, 36897), (368, 36936), (390, 36981), (423, 37050), (449, 37101), (453, 37110), (458, 37119), (496, 37179), (516, 37215),

Gene: Airmid_8 Start: 5180, Stop: 5989, Start Num: 110

Candidate Starts for Airmid_8:

(Start: 110 @5180 has 51 MA's), (145, 5225), (Start: 189 @5309 has 17 MA's), (195, 5324), (219, 5357), (332, 5627), (350, 5669), (369, 5708), (379, 5726), (393, 5756), (534, 5954),

Gene: AksarBAT_43 Start: 36158, Stop: 36880, Start Num: 131

Candidate Starts for AksarBAT_43:

(Start: 131 @36158 has 21 MA's), (172, 36227), (186, 36251), (221, 36314), (224, 36320), (300, 36467), (341, 36563), (342, 36566), (381, 36644), (394, 36674), (401, 36689),

Gene: AlishaPH_31 Start: 26453, Stop: 27325, Start Num: 119

Candidate Starts for AlishaPH_31:

(33, 26123), (76, 26351), (99, 26426), (Start: 119 @26453 has 151 MA's), (Start: 134 @26465 has 1 MA's), (173, 26534), (Start: 189 @26561 has 17 MA's), (205, 26591), (211, 26600), (234, 26636), (238,

26645), (250, 26678), (259, 26696), (271, 26726), (301, 26786), (354, 26921), (370, 26948), (380, 26969), (391, 26993), (419, 27044), (449, 27146), (474, 27182), (486, 27206), (534, 27305), (537, 27314),

Gene: AlleyCat_31 Start: 27158, Stop: 27919, Start Num: 118

Candidate Starts for AlleyCat_31:

(Start: 92 @27110 has 3 MA's), (Start: 118 @27158 has 20 MA's), (Start: 134 @27170 has 1 MA's), (Start: 139 @27176 has 8 MA's), (155, 27203), (173, 27239), (Start: 207 @27299 has 2 MA's), (211, 27305), (230, 27335), (234, 27341), (238, 27350), (250, 27383), (269, 27425), (270, 27428), (276, 27440), (295, 27476), (301, 27491), (311, 27527), (354, 27626), (370, 27653), (380, 27674), (449, 27737), (461, 27761), (481, 27785), (511, 27854), (534, 27899), (537, 27908),

Gene: Alok_31 Start: 21568, Stop: 22266, Start Num: 171

Candidate Starts for Alok_31:

(Start: 162 @21550 has 1 MA's), (Start: 171 @21568 has 11 MA's), (Start: 215 @21631 has 1 MA's), (234, 21667), (263, 21727), (267, 21739), (277, 21760), (294, 21793), (304, 21823), (305, 21826), (311, 21847), (312, 21853), (316, 21859), (324, 21880), (377, 21985), (385, 21994), (418, 22063), (420, 22069), (443, 22105), (451, 22117), (478, 22156), (488, 22177), (524, 22246), (529, 22258), (531, 22261),

Gene: AlumE_26 Start: 22182, Stop: 22802, Start Num: 189

Candidate Starts for AlumE_26:

(50, 21807), (80, 21978), (81, 21981), (113, 22062), (Start: 125 @22083 has 21 MA's), (Start: 189 @22182 has 17 MA's), (205, 22191), (231, 22236), (267, 22317), (294, 22371), (308, 22416), (322, 22452), (347, 22503), (373, 22551), (406, 22614), (422, 22644), (454, 22695), (503, 22773),

Gene: Amao_35 Start: 31062, Stop: 31919, Start Num: 98

Candidate Starts for Amao_35:

(Start: 98 @31062 has 132 MA's), (Start: 121 @31101 has 2 MA's), (144, 31131), (155, 31152), (173, 31188), (Start: 189 @31218 has 17 MA's), (234, 31293), (259, 31341), (260, 31344), (270, 31368), (271, 31371), (278, 31386), (350, 31557), (404, 31671), (411, 31686), (415, 31692), (445, 31734), (446, 31737), (481, 31791), (517, 31869), (535, 31902),

Gene: Amelie_27 Start: 25978, Stop: 26736, Start Num: 118

Candidate Starts for Amelie_27:

(76, 25876), (Start: 92 @25930 has 3 MA's), (99, 25951), (Start: 118 @25978 has 20 MA's), (155, 26023), (173, 26059), (Start: 207 @26119 has 2 MA's), (211, 26125), (230, 26155), (250, 26203), (269, 26245), (301, 26311), (311, 26347), (354, 26446), (370, 26473), (380, 26494), (384, 26500), (440, 26539), (446, 26551), (449, 26557), (461, 26581), (481, 26605), (534, 26716), (537, 26725),

Gene: AmericanBeauty_37 Start: 31845, Stop: 32702, Start Num: 98

Candidate Starts for AmericanBeauty_37:

(Start: 98 @31845 has 132 MA's), (Start: 121 @31884 has 2 MA's), (144, 31914), (155, 31935), (173, 31971), (Start: 189 @32001 has 17 MA's), (234, 32076), (259, 32124), (260, 32127), (270, 32151), (271, 32154), (278, 32169), (350, 32340), (404, 32454), (411, 32469), (415, 32475), (445, 32517), (446, 32520), (481, 32574), (517, 32652), (535, 32685),

Gene: Amgine_29 Start: 26539, Stop: 27276, Start Num: 119

Candidate Starts for Amgine_29:

(76, 26428), (80, 26449), (Start: 92 @26488 has 3 MA's), (99, 26509), (Start: 119 @26539 has 151 MA's), (Start: 134 @26551 has 1 MA's), (155, 26584), (173, 26620), (205, 26668), (211, 26677), (234, 26713), (238, 26722), (250, 26755), (301, 26863), (308, 26890), (349, 26977), (354, 26995), (364, 27010), (370, 27022), (380, 27043), (391, 27067), (440, 27079), (445, 27088), (449, 27097), (481,

27145), (534, 27256), (536, 27265),

Gene: Amohnition_30 Start: 26969, Stop: 27709, Start Num: 119

Candidate Starts for Amohnition_30:

(28, 26624), (76, 26870), (80, 26891), (Start: 92 @26924 has 3 MA's), (99, 26945), (Start: 119 @26969 has 151 MA's), (Start: 134 @26981 has 1 MA's), (154, 27008), (155, 27014), (205, 27098), (211, 27107), (219, 27119), (238, 27152), (301, 27293), (308, 27320), (354, 27428), (370, 27455), (380, 27476), (391, 27500), (440, 27512), (445, 27521), (481, 27578), (486, 27590), (534, 27689),

Gene: Amoonguss_30 Start: 21571, Stop: 22269, Start Num: 171

Candidate Starts for Amoonguss_30:

(Start: 162 @21553 has 1 MA's), (Start: 171 @21571 has 11 MA's), (Start: 215 @21634 has 1 MA's), (234, 21670), (263, 21730), (267, 21742), (277, 21763), (294, 21796), (304, 21826), (305, 21829), (311, 21850), (312, 21856), (316, 21862), (324, 21883), (377, 21988), (385, 21997), (418, 22066), (420, 22072), (443, 22108), (451, 22120), (478, 22159), (488, 22180), (524, 22249), (529, 22261), (531, 22264),

Gene: Amore2_52 Start: 46682, Stop: 45783, Start Num: 117

Candidate Starts for Amore2_52:

(57, 46889), (67, 46823), (Start: 117 @46682 has 49 MA's), (136, 46655), (203, 46541), (206, 46535), (257, 46418), (259, 46412), (277, 46370), (300, 46310), (338, 46190), (361, 46127), (389, 46073), (398, 46052), (454, 45941),

Gene: AnClar_43 Start: 38069, Stop: 38794, Start Num: 124

Candidate Starts for AnClar_43:

(58, 37871), (73, 37943), (Start: 124 @38069 has 6 MA's), (Start: 134 @38078 has 1 MA's), (221, 38228), (224, 38234), (239, 38258), (243, 38267), (247, 38279), (252, 38294), (270, 38336), (284, 38360), (301, 38390), (335, 38474), (367, 38537), (377, 38561), (381, 38567), (493, 38750), (497, 38759),

Gene: AnarQue_45 Start: 37567, Stop: 38289, Start Num: 131

Candidate Starts for AnarQue_45:

(64, 37381), (Start: 131 @37567 has 21 MA's), (186, 37660), (224, 37729), (241, 37756), (243, 37762), (300, 37876), (332, 37960), (381, 38053), (394, 38083),

Gene: Anaya_32 Start: 26479, Stop: 27351, Start Num: 119

Candidate Starts for Anaya_32:

(99, 26452), (Start: 119 @26479 has 151 MA's), (Start: 134 @26491 has 1 MA's), (173, 26560), (Start: 189 @26587 has 17 MA's), (205, 26617), (211, 26626), (234, 26662), (238, 26671), (250, 26704), (259, 26722), (301, 26812), (354, 26947), (370, 26974), (380, 26995), (391, 27019), (419, 27070), (449, 27172), (474, 27208), (486, 27232), (534, 27331), (537, 27340),

Gene: Angelica_31 Start: 26428, Stop: 27282, Start Num: 119

Candidate Starts for Angelica_31:

(33, 26098), (76, 26326), (99, 26401), (Start: 119 @26428 has 151 MA's), (Start: 134 @26440 has 1 MA's), (173, 26509), (Start: 189 @26536 has 17 MA's), (205, 26566), (211, 26575), (234, 26611), (238, 26620), (250, 26653), (259, 26671), (271, 26701), (301, 26761), (354, 26896), (370, 26923), (380, 26944), (391, 26968), (419, 27001), (449, 27103), (474, 27139), (486, 27163), (534, 27262), (537, 27271),

Gene: Angelique_28 Start: 22797, Stop: 23417, Start Num: 201

Candidate Starts for Angelique_28:

(163, 22740), (Start: 201 @22797 has 28 MA's), (231, 22848), (267, 22929), (277, 22950), (308, 23028), (322, 23064), (337, 23100), (347, 23115), (373, 23163), (406, 23226), (454, 23307), (503, 23385), (507, 23394), (509, 23397),

Gene: Anma_31 Start: 26394, Stop: 27254, Start Num: 134

Candidate Starts for Anma_31:

(76, 26280), (99, 26355), (Start: 119 @26382 has 151 MA's), (Start: 134 @26394 has 1 MA's), (173, 26463), (Start: 189 @26490 has 17 MA's), (205, 26520), (211, 26529), (234, 26565), (238, 26574), (250, 26607), (259, 26625), (301, 26715), (354, 26850), (370, 26877), (380, 26898), (391, 26922), (419, 26973), (449, 27075), (474, 27111), (486, 27135), (534, 27234), (537, 27243),

Gene: Antonio_27 Start: 22303, Stop: 22923, Start Num: 189

Candidate Starts for Antonio_27:

(50, 21928), (80, 22099), (81, 22102), (113, 22183), (Start: 125 @22204 has 21 MA's), (Start: 189 @22303 has 17 MA's), (205, 22312), (231, 22357), (267, 22438), (308, 22537), (322, 22573), (347, 22624), (373, 22672), (406, 22735), (422, 22765), (454, 22816), (488, 22867), (503, 22894),

Gene: Apiary_20 Start: 9988, Stop: 10884, Start Num: 96

Candidate Starts for Apiary_20:

(42, 9751), (Start: 96 @9988 has 7 MA's), (149, 10066), (190, 10153), (218, 10201), (227, 10216), (266, 10294), (288, 10339), (338, 10471), (386, 10564), (392, 10579), (440, 10678), (471, 10759), (495, 10807), (520, 10852),

Gene: Apocalypse_31 Start: 26431, Stop: 27303, Start Num: 119

Candidate Starts for Apocalypse_31:

(99, 26404), (Start: 119 @26431 has 151 MA's), (Start: 134 @26443 has 1 MA's), (173, 26512), (Start: 189 @26539 has 17 MA's), (205, 26569), (211, 26578), (234, 26614), (238, 26623), (250, 26656), (259, 26674), (301, 26764), (354, 26899), (370, 26926), (380, 26947), (391, 26971), (419, 27022), (449, 27124), (474, 27160), (486, 27184), (534, 27283), (537, 27292),

Gene: Applecrisp_29 Start: 26961, Stop: 27698, Start Num: 119

Candidate Starts for Applecrisp_29:

(76, 26850), (80, 26871), (Start: 92 @26910 has 3 MA's), (99, 26931), (Start: 119 @26961 has 151 MA's), (Start: 134 @26973 has 1 MA's), (155, 27006), (173, 27042), (205, 27090), (211, 27099), (219, 27111), (234, 27135), (250, 27177), (301, 27285), (308, 27312), (349, 27399), (354, 27417), (364, 27432), (370, 27444), (380, 27465), (391, 27489), (440, 27501), (445, 27510), (449, 27519), (481, 27567), (534, 27678), (536, 27687),

Gene: Apricot_27 Start: 21059, Stop: 21682, Start Num: 201

Candidate Starts for Apricot_27:

(53, 20684), (61, 20741), (68, 20786), (80, 20840), (81, 20843), (Start: 92 @20879 has 3 MA's), (113, 20924), (114, 20927), (Start: 201 @21059 has 28 MA's), (205, 21065), (223, 21095), (231, 21110), (259, 21170), (297, 21251), (308, 21290), (337, 21362), (373, 21425), (397, 21470), (406, 21488), (418, 21509), (422, 21518), (503, 21650), (507, 21659), (513, 21671),

Gene: Aragog_8 Start: 5463, Stop: 6272, Start Num: 110

Candidate Starts for Aragog_8:

(Start: 110 @5463 has 51 MA's), (155, 5526), (Start: 161 @5535 has 4 MA's), (Start: 171 @5556 has 11 MA's), (Start: 189 @5592 has 17 MA's), (219, 5640), (247, 5697), (256, 5721), (332, 5910), (350, 5952), (379, 6009), (539, 6258),

Gene: Archetta_8 Start: 5172, Stop: 5981, Start Num: 110

Candidate Starts for Archetta_8:

(Start: 110 @5172 has 51 MA's), (155, 5235), (Start: 161 @5244 has 4 MA's), (Start: 171 @5265 has 11 MA's), (Start: 189 @5301 has 17 MA's), (219, 5349), (247, 5406), (256, 5430), (350, 5661), (379, 5718), (539, 5967),

Gene: Argena_30 Start: 21568, Stop: 22266, Start Num: 171

Candidate Starts for Argena_30:

(Start: 162 @21550 has 1 MA's), (Start: 171 @21568 has 11 MA's), (Start: 215 @21631 has 1 MA's), (234, 21667), (263, 21727), (267, 21739), (277, 21760), (294, 21793), (304, 21823), (305, 21826), (311, 21847), (312, 21853), (316, 21859), (324, 21880), (377, 21985), (385, 21994), (418, 22063), (420, 22069), (443, 22105), (451, 22117), (478, 22156), (488, 22177), (524, 22246), (529, 22258), (531, 22261),

Gene: Argent26_37 Start: 31848, Stop: 32705, Start Num: 98

Candidate Starts for Argent26_37:

(Start: 98 @31848 has 132 MA's), (Start: 121 @31887 has 2 MA's), (144, 31917), (155, 31938), (173, 31974), (Start: 189 @32004 has 17 MA's), (234, 32079), (259, 32127), (260, 32130), (270, 32154), (271, 32157), (278, 32172), (350, 32343), (404, 32457), (411, 32472), (415, 32478), (445, 32520), (446, 32523), (481, 32577), (517, 32655), (535, 32688),

Gene: Arti_19 Start: 9412, Stop: 10137, Start Num: 137

Candidate Starts for Arti_19:

(Start: 137 @9412 has 22 MA's), (160, 9436), (175, 9469), (216, 9472), (238, 9508), (244, 9523), (261, 9565), (321, 9712), (416, 9904), (466, 10006), (478, 10036), (488, 10057), (493, 10072), (525, 10132),

Gene: Asapag_28 Start: 21501, Stop: 22124, Start Num: 201

Candidate Starts for Asapag_28:

(53, 21126), (61, 21183), (68, 21228), (80, 21282), (81, 21285), (Start: 92 @21321 has 3 MA's), (113, 21366), (114, 21369), (Start: 201 @21501 has 28 MA's), (205, 21507), (223, 21537), (231, 21552), (259, 21612), (294, 21687), (308, 21732), (322, 21768), (337, 21804), (373, 21867), (397, 21912), (406, 21930), (418, 21951), (433, 21972), (503, 22092), (507, 22101), (513, 22113),

Gene: Asayake_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Asayake_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: Asriel_34 Start: 30719, Stop: 31576, Start Num: 98

Candidate Starts for Asriel_34:

(Start: 98 @30719 has 132 MA's), (Start: 121 @30758 has 2 MA's), (144, 30788), (155, 30809), (173, 30845), (Start: 189 @30875 has 17 MA's), (234, 30950), (259, 30998), (260, 31001), (270, 31025), (271, 31028), (278, 31043), (350, 31214), (404, 31328), (411, 31343), (415, 31349), (445, 31391), (446, 31394), (481, 31448), (517, 31526), (535, 31559),

Gene: Astro_8 Start: 4873, Stop: 5682, Start Num: 110

Candidate Starts for Astro_8:

(Start: 110 @4873 has 51 MA's), (166, 4957), (Start: 189 @5002 has 17 MA's), (226, 5062), (254, 5128), (350, 5362), (369, 5401), (379, 5419), (394, 5452), (403, 5470), (456, 5515), (482, 5539), (539, 5668),

Gene: Atiba_31 Start: 26423, Stop: 27295, Start Num: 119

Candidate Starts for Atiba_31:

(99, 26396), (Start: 119 @26423 has 151 MA's), (Start: 134 @26435 has 1 MA's), (173, 26504), (Start: 189 @26531 has 17 MA's), (205, 26561), (211, 26570), (234, 26606), (238, 26615), (250, 26648), (259, 26666), (271, 26696), (300, 26753), (301, 26756), (354, 26891), (370, 26918), (380, 26939), (391, 26963), (419, 27014), (449, 27116), (474, 27152), (486, 27176), (534, 27275), (537, 27284),

Gene: Attis_24 Start: 19791, Stop: 20498, Start Num: 126

Candidate Starts for Attis_24:

(69, 19647), (Start: 126 @19791 has 32 MA's), (165, 19848), (Start: 187 @19887 has 7 MA's), (221, 19947), (232, 19965), (234, 19968), (243, 19986), (258, 20022), (259, 20025), (273, 20058), (284, 20076), (300, 20103), (329, 20181), (367, 20250), (381, 20280), (385, 20286), (509, 20490),

Gene: Austin_52 Start: 46682, Stop: 45783, Start Num: 117

Candidate Starts for Austin_52:

(57, 46889), (67, 46823), (Start: 117 @46682 has 49 MA's), (136, 46655), (203, 46541), (206, 46535), (257, 46418), (259, 46412), (277, 46370), (300, 46310), (338, 46190), (361, 46127), (389, 46073), (398, 46052), (454, 45941),

Gene: Axumite_42 Start: 35273, Stop: 35995, Start Num: 126

Candidate Starts for Axumite_42:

(18, 34883), (55, 35060), (73, 35168), (Start: 126 @35273 has 32 MA's), (224, 35435), (247, 35480), (273, 35543), (284, 35561), (300, 35588), (329, 35666), (331, 35669), (367, 35738), (381, 35768), (385, 35774), (499, 35963),

Gene: B1_08 Start: 5376, Stop: 6116, Start Num: 109

Candidate Starts for B1_08:

(Start: 109 @5376 has 18 MA's), (173, 5463), (211, 5520), (219, 5532), (221, 5535), (236, 5559), (244, 5574), (269, 5622), (271, 5628), (282, 5655), (308, 5724), (333, 5796), (352, 5838), (381, 5865), (393, 5892), (413, 5925), (415, 5928), (436, 5967), (474, 6021), (532, 6108),

Gene: BAKA_53 Start: 42677, Stop: 43549, Start Num: 86

Candidate Starts for BAKA_53:

(Start: 86 @42677 has 31 MA's), (Start: 94 @42704 has 4 MA's), (150, 42764), (173, 42812), (211, 42878), (226, 42899), (241, 42920), (269, 42974), (302, 43055), (421, 43334), (423, 43337), (435, 43361), (453, 43397), (460, 43412), (474, 43424), (485, 43445),

Gene: BBQValindra_26 Start: 21429, Stop: 22148, Start Num: 131

Candidate Starts for BBQValindra_26:

(95, 21372), (Start: 131 @21429 has 21 MA's), (Start: 187 @21522 has 7 MA's), (193, 21537), (221, 21582), (247, 21633), (259, 21660), (269, 21684), (300, 21738), (302, 21747), (305, 21756), (381, 21918), (385, 21924),

Gene: BEEST_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for BEEST_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: BENtherdunthat_28 Start: 21498, Stop: 22121, Start Num: 201

Candidate Starts for BENtherdunthat_28:

(53, 21123), (61, 21180), (68, 21225), (80, 21279), (81, 21282), (Start: 92 @21318 has 3 MA's), (113, 21363), (114, 21366), (Start: 201 @21498 has 28 MA's), (205, 21504), (223, 21534), (231, 21549), (233, 21552), (267, 21630), (297, 21690), (308, 21729), (322, 21765), (337, 21801), (373, 21864), (406, 21927), (418, 21948), (422, 21957), (433, 21969), (451, 22002), (503, 22089), (507, 22098),

Gene: BGlluviae_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for BGlluviae_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: BaboJay_34 Start: 31408, Stop: 32265, Start Num: 98

Candidate Starts for BaboJay_34:

(Start: 98 @31408 has 132 MA's), (Start: 121 @31447 has 2 MA's), (144, 31477), (155, 31498), (173, 31534), (Start: 189 @31564 has 17 MA's), (234, 31639), (259, 31687), (260, 31690), (270, 31714), (271, 31717), (278, 31732), (350, 31903), (404, 32017), (411, 32032), (415, 32038), (445, 32080), (446, 32083), (481, 32137), (517, 32215), (535, 32248),

Gene: BabyJohn_9 Start: 5958, Stop: 6698, Start Num: 109

Candidate Starts for BabyJohn_9:

(56, 5772), (66, 5841), (Start: 109 @5958 has 18 MA's), (173, 6045), (211, 6102), (219, 6114), (221, 6117), (236, 6141), (244, 6156), (259, 6180), (269, 6204), (271, 6210), (282, 6237), (308, 6306), (333, 6378), (352, 6420), (381, 6447), (393, 6474), (413, 6507), (415, 6510), (436, 6549), (532, 6690),

Gene: BabyMoney_47 Start: 35952, Stop: 36758, Start Num: 116

Candidate Starts for BabyMoney_47:

(Start: 116 @35952 has 9 MA's), (157, 36015), (226, 36126), (343, 36393), (380, 36471), (382, 36474), (395, 36504), (400, 36510), (426, 36561), (500, 36687), (526, 36735),

Gene: BabyRay_10 Start: 5972, Stop: 6706, Start Num: 109

Candidate Starts for BabyRay_10:

(Start: 109 @5972 has 18 MA's), (173, 6059), (211, 6116), (219, 6128), (221, 6131), (236, 6155), (244, 6170), (269, 6218), (271, 6224), (282, 6251), (308, 6320), (333, 6392), (352, 6434), (381, 6461), (393, 6488), (413, 6521), (415, 6524), (436, 6563), (517, 6686),

Gene: BackstagePass_26 Start: 21561, Stop: 22274, Start Num: 131

Candidate Starts for BackstagePass_26:

(95, 21504), (Start: 131 @21561 has 21 MA's), (Start: 187 @21654 has 7 MA's), (193, 21669), (221, 21714), (258, 21789), (259, 21792), (269, 21816), (302, 21879), (305, 21888), (338, 21963), (374, 22038), (381, 22050), (385, 22056),

Gene: BadStone_34 Start: 31850, Stop: 32707, Start Num: 98

Candidate Starts for BadStone_34:

(Start: 98 @31850 has 132 MA's), (Start: 121 @31889 has 2 MA's), (144, 31919), (155, 31940), (173, 31976), (Start: 189 @32006 has 17 MA's), (234, 32081), (259, 32129), (260, 32132), (270, 32156), (271, 32159), (278, 32174), (350, 32345), (404, 32459), (411, 32474), (415, 32480), (445, 32522), (446, 32525), (481, 32579), (517, 32657), (535, 32690),

Gene: BaghaKamala_31 Start: 26423, Stop: 27295, Start Num: 119

Candidate Starts for BaghaKamala_31:

(33, 26093), (76, 26321), (99, 26396), (Start: 119 @26423 has 151 MA's), (Start: 134 @26435 has 1 MA's), (173, 26504), (Start: 189 @26531 has 17 MA's), (205, 26561), (211, 26570), (234, 26606), (238, 26615), (250, 26648), (259, 26666), (271, 26696), (301, 26756), (354, 26891), (370, 26918), (380, 26939), (391, 26963), (419, 27014), (449, 27116), (474, 27152), (486, 27176), (534, 27275), (537, 27284),

Gene: Bagrid_48 Start: 42037, Stop: 42882, Start Num: 94

Candidate Starts for Bagrid_48:

(Start: 86 @42010 has 31 MA's), (Start: 94 @42037 has 4 MA's), (150, 42097), (173, 42145), (211, 42211), (226, 42232), (241, 42253), (269, 42307), (302, 42388), (421, 42667), (423, 42670), (435, 42694), (453, 42730), (460, 42745), (474, 42757), (485, 42778),

Gene: Balomoji_34 Start: 31584, Stop: 32441, Start Num: 98

Candidate Starts for Balomoji_34:

(Start: 98 @31584 has 132 MA's), (Start: 121 @31623 has 2 MA's), (144, 31653), (155, 31674), (173, 31710), (Start: 189 @31740 has 17 MA's), (234, 31815), (259, 31863), (260, 31866), (270, 31890), (271, 31893), (278, 31908), (350, 32079), (404, 32193), (411, 32208), (415, 32214), (445, 32256), (446, 32259), (481, 32313), (517, 32391), (535, 32424),

Gene: BananenDer11_30 Start: 27188, Stop: 27949, Start Num: 118

Candidate Starts for BananenDer11_30:

(Start: 92 @27140 has 3 MA's), (Start: 118 @27188 has 20 MA's), (Start: 134 @27200 has 1 MA's), (136, 27203), (Start: 139 @27206 has 8 MA's), (155, 27233), (173, 27269), (Start: 207 @27329 has 2 MA's), (211, 27335), (230, 27365), (234, 27371), (238, 27380), (250, 27413), (269, 27455), (270, 27458), (276, 27470), (295, 27506), (301, 27521), (311, 27557), (354, 27656), (370, 27683), (380, 27704), (449, 27767), (461, 27791), (481, 27815), (511, 27884), (534, 27929), (537, 27938),

Gene: Barbarian_34 Start: 30719, Stop: 31576, Start Num: 98

Candidate Starts for Barbarian_34:

(Start: 98 @30719 has 132 MA's), (Start: 121 @30758 has 2 MA's), (144, 30788), (155, 30809), (173, 30845), (Start: 189 @30875 has 17 MA's), (234, 30950), (259, 30998), (260, 31001), (270, 31025), (271, 31028), (278, 31043), (350, 31214), (404, 31328), (411, 31343), (415, 31349), (445, 31391), (446, 31394), (481, 31448), (517, 31526), (535, 31559),

Gene: Barbochs_48 Start: 45995, Stop: 45138, Start Num: 117

Candidate Starts for Barbochs_48:

(Start: 117 @45995 has 49 MA's), (136, 45971), (Start: 161 @45932 has 4 MA's), (Start: 168 @45917 has 2 MA's), (183, 45881), (206, 45842), (240, 45782), (246, 45764), (260, 45725), (276, 45689), (278, 45683), (338, 45512), (368, 45437), (383, 45407), (426, 45320), (459, 45245), (472, 45218), (501, 45158),

Gene: BarrelRoll_31 Start: 26446, Stop: 27318, Start Num: 119

Candidate Starts for BarrelRoll_31:

(99, 26419), (Start: 119 @26446 has 151 MA's), (Start: 134 @26458 has 1 MA's), (173, 26527), (Start: 189 @26554 has 17 MA's), (205, 26584), (211, 26593), (234, 26629), (238, 26638), (250, 26671), (259, 26689), (271, 26719), (300, 26776), (301, 26779), (354, 26914), (370, 26941), (380, 26962), (391, 26986), (419, 27037), (449, 27139), (474, 27175), (486, 27199), (534, 27298), (537, 27307),

Gene: Bask21_35 Start: 31036, Stop: 31893, Start Num: 98

Candidate Starts for Bask21_35:

(Start: 98 @31036 has 132 MA's), (Start: 121 @31075 has 2 MA's), (144, 31105), (155, 31126), (173, 31162), (Start: 189 @31192 has 17 MA's), (234, 31267), (259, 31315), (260, 31318), (270, 31342), (271, 31345), (278, 31360), (350, 31531), (404, 31645), (411, 31660), (415, 31666), (445, 31708),

(446, 31711), (481, 31765), (517, 31843), (535, 31876),

Gene: BatStarr_25 Start: 22309, Stop: 22926, Start Num: 188

Candidate Starts for BatStarr_25:

(Start: 125 @22210 has 21 MA's), (159, 22249), (176, 22282), (Start: 188 @22309 has 13 MA's), (Start: 207 @22318 has 2 MA's), (231, 22360), (238, 22372), (259, 22420), (267, 22441), (277, 22462), (294, 22495), (296, 22498), (308, 22540), (322, 22576), (347, 22627), (373, 22675), (406, 22738), (422, 22768), (454, 22819), (503, 22897),

Gene: BaxterFox_25 Start: 21503, Stop: 22126, Start Num: 189

Candidate Starts for BaxterFox_25:

(80, 21299), (81, 21302), (113, 21383), (Start: 125 @21404 has 21 MA's), (Start: 189 @21503 has 17 MA's), (205, 21512), (231, 21557), (238, 21569), (259, 21617), (267, 21638), (294, 21692), (308, 21737), (322, 21773), (323, 21776), (347, 21824), (373, 21872), (406, 21935), (422, 21965), (454, 22019), (503, 22097),

Gene: BearBQ_27 Start: 22338, Stop: 22961, Start Num: 201

Candidate Starts for BearBQ_27:

(53, 21963), (61, 22020), (68, 22065), (80, 22119), (81, 22122), (Start: 92 @22158 has 3 MA's), (113, 22203), (114, 22206), (Start: 201 @22338 has 28 MA's), (205, 22344), (223, 22374), (231, 22389), (259, 22449), (294, 22524), (308, 22569), (322, 22605), (337, 22641), (373, 22704), (406, 22767), (418, 22788), (422, 22797), (455, 22854), (503, 22929), (507, 22938),

Gene: Beaver_53 Start: 47765, Stop: 46908, Start Num: 117

Candidate Starts for Beaver_53:

(Start: 117 @47765 has 49 MA's), (136, 47741), (Start: 161 @47702 has 4 MA's), (Start: 168 @47687 has 2 MA's), (183, 47651), (206, 47612), (240, 47552), (246, 47534), (260, 47495), (276, 47459), (278, 47453), (338, 47282), (368, 47207), (383, 47177), (426, 47090), (459, 47015), (472, 46988), (501, 46928),

Gene: Becksu_35 Start: 32041, Stop: 32898, Start Num: 98

Candidate Starts for Becksu_35:

(Start: 98 @32041 has 132 MA's), (Start: 121 @32080 has 2 MA's), (144, 32110), (155, 32131), (173, 32167), (Start: 189 @32197 has 17 MA's), (234, 32272), (259, 32320), (260, 32323), (270, 32347), (271, 32350), (278, 32365), (350, 32536), (397, 32635), (404, 32650), (411, 32665), (415, 32671), (445, 32713), (446, 32716), (481, 32770), (517, 32848), (535, 32881),

Gene: BeeGee_26 Start: 21791, Stop: 22411, Start Num: 187

Candidate Starts for BeeGee_26:

(Start: 187 @21791 has 7 MA's), (205, 21797), (231, 21842), (247, 21878), (267, 21923), (294, 21977), (308, 22022), (337, 22094), (373, 22157), (406, 22220), (454, 22301), (503, 22379), (507, 22388), (509, 22391),

Gene: Beem_49 Start: 42576, Stop: 43448, Start Num: 86

Candidate Starts for Beem_49:

(Start: 86 @42576 has 31 MA's), (Start: 94 @42603 has 4 MA's), (150, 42663), (173, 42711), (211, 42777), (226, 42798), (241, 42819), (269, 42873), (302, 42954), (421, 43233), (423, 43236), (435, 43260), (453, 43296), (460, 43311), (474, 43323), (485, 43344),

Gene: Beezoo_31 Start: 26471, Stop: 27343, Start Num: 119

Candidate Starts for Beezoo_31:

(99, 26444), (Start: 119 @26471 has 151 MA's), (Start: 134 @26483 has 1 MA's), (173, 26552), (Start: 189 @26579 has 17 MA's), (205, 26609), (211, 26618), (234, 26654), (238, 26663), (250, 26696), (259,

26714), (271, 26744), (301, 26804), (354, 26939), (370, 26966), (380, 26987), (391, 27011), (419, 27062), (449, 27164), (474, 27200), (486, 27224), (508, 27272), (534, 27323), (537, 27332),

Gene: Bella96_31 Start: 26364, Stop: 27236, Start Num: 119

Candidate Starts for Bella96_31:

(99, 26337), (Start: 119 @26364 has 151 MA's), (Start: 134 @26376 has 1 MA's), (173, 26445), (Start: 189 @26472 has 17 MA's), (205, 26502), (211, 26511), (234, 26547), (238, 26556), (250, 26589), (301, 26697), (354, 26832), (370, 26859), (380, 26880), (391, 26904), (449, 27057), (474, 27093), (486, 27117), (534, 27216), (537, 27225),

Gene: Belladonna_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Belladonna_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: Bench_37 Start: 31718, Stop: 32575, Start Num: 98

Candidate Starts for Bench_37:

(Start: 98 @31718 has 132 MA's), (Start: 121 @31757 has 2 MA's), (144, 31787), (155, 31808), (173, 31844), (Start: 189 @31874 has 17 MA's), (234, 31949), (259, 31997), (260, 32000), (270, 32024), (271, 32027), (278, 32042), (350, 32213), (404, 32327), (411, 32342), (415, 32348), (445, 32390), (446, 32393), (481, 32447), (517, 32525), (535, 32558),

Gene: Benczkowski14_44 Start: 46742, Stop: 45915, Start Num: 117

Candidate Starts for Benczkowski14_44:

(Start: 117 @46742 has 49 MA's), (136, 46715), (173, 46649), (228, 46556), (313, 46343), (360, 46214), (389, 46157), (448, 46034), (467, 45995), (479, 45971), (481, 45965),

Gene: Benedict_8 Start: 5182, Stop: 5991, Start Num: 110

Candidate Starts for Benedict_8:

(Start: 110 @5182 has 51 MA's), (145, 5227), (Start: 189 @5311 has 17 MA's), (195, 5326), (219, 5359), (332, 5629), (350, 5671), (369, 5710), (379, 5728), (393, 5758), (534, 5956),

Gene: BenoitCattle_51 Start: 46512, Stop: 45652, Start Num: 117

Candidate Starts for BenoitCattle_51:

(Start: 117 @46512 has 49 MA's), (136, 46488), (Start: 168 @46434 has 2 MA's), (183, 46398), (206, 46359), (240, 46299), (246, 46281), (260, 46242), (276, 46206), (278, 46200), (338, 46029), (368, 45954), (383, 45924), (426, 45837), (459, 45762), (472, 45735), (498, 45681), (501, 45675),

Gene: Bern_31 Start: 26403, Stop: 27275, Start Num: 119

Candidate Starts for Bern_31:

(99, 26376), (Start: 119 @26403 has 151 MA's), (Start: 134 @26415 has 1 MA's), (173, 26484), (Start: 189 @26511 has 17 MA's), (205, 26541), (211, 26550), (234, 26586), (238, 26595), (250, 26628), (259, 26646), (301, 26736), (354, 26871), (370, 26898), (380, 26919), (391, 26943), (419, 26994), (449, 27096), (474, 27132), (486, 27156), (534, 27255), (537, 27264),

Gene: Beted_31 Start: 23245, Stop: 23943, Start Num: 171

Candidate Starts for Beted_31:

(Start: 162 @23227 has 1 MA's), (Start: 171 @23245 has 11 MA's), (Start: 215 @23308 has 1 MA's), (234, 23344), (267, 23416), (277, 23437), (294, 23470), (304, 23500), (305, 23503), (311, 23524), (312, 23530), (316, 23536), (324, 23557), (377, 23662), (385, 23671), (418, 23740), (420, 23746),

(443, 23782), (451, 23794), (478, 23833), (524, 23923), (529, 23935), (531, 23938),

Gene: BiPauneto_20 Start: 7795, Stop: 8589, Start Num: 92

Candidate Starts for BiPauneto_20:

(Start: 92 @7795 has 3 MA's), (Start: 215 @7909 has 1 MA's), (216, 7912), (222, 7924), (261, 8005), (321, 8155), (330, 8179), (347, 8212), (416, 8344), (470, 8470), (488, 8506), (513, 8560),

Gene: Bialota_25 Start: 22321, Stop: 22938, Start Num: 188

Candidate Starts for Bialota_25:

(Start: 125 @22222 has 21 MA's), (159, 22261), (176, 22294), (Start: 188 @22321 has 13 MA's), (Start: 207 @22330 has 2 MA's), (231, 22372), (238, 22384), (259, 22432), (267, 22453), (277, 22474), (294, 22507), (308, 22552), (322, 22588), (347, 22639), (406, 22750), (422, 22780), (454, 22831), (503, 22909),

Gene: BigBubba_36 Start: 31621, Stop: 32478, Start Num: 98

Candidate Starts for BigBubba_36:

(Start: 98 @31621 has 132 MA's), (Start: 121 @31660 has 2 MA's), (144, 31690), (155, 31711), (173, 31747), (Start: 189 @31777 has 17 MA's), (234, 31852), (259, 31900), (260, 31903), (270, 31927), (271, 31930), (278, 31945), (350, 32116), (404, 32230), (411, 32245), (415, 32251), (445, 32293), (446, 32296), (481, 32350), (517, 32428), (535, 32461),

Gene: BigShaq_50 Start: 46517, Stop: 45657, Start Num: 117

Candidate Starts for BigShaq_50:

(Start: 117 @46517 has 49 MA's), (136, 46493), (Start: 168 @46439 has 2 MA's), (183, 46403), (206, 46364), (240, 46304), (246, 46286), (260, 46247), (276, 46211), (278, 46205), (338, 46034), (368, 45959), (383, 45929), (426, 45842), (459, 45767), (472, 45740), (498, 45686), (501, 45680),

Gene: BiggityBass_42 Start: 37537, Stop: 38262, Start Num: 124

Candidate Starts for BiggityBass_42:

(Start: 124 @37537 has 6 MA's), (221, 37696), (224, 37702), (239, 37726), (247, 37747), (252, 37762), (270, 37804), (284, 37828), (301, 37858), (335, 37942), (367, 38005), (381, 38035), (497, 38227),

Gene: Biglebops_27 Start: 25978, Stop: 26736, Start Num: 118

Candidate Starts for Biglebops_27:

(76, 25876), (Start: 92 @25930 has 3 MA's), (99, 25951), (Start: 118 @25978 has 20 MA's), (155, 26023), (173, 26059), (Start: 207 @26119 has 2 MA's), (211, 26125), (230, 26155), (250, 26203), (269, 26245), (301, 26311), (311, 26347), (354, 26446), (370, 26473), (380, 26494), (384, 26500), (440, 26539), (446, 26551), (449, 26557), (461, 26581), (481, 26605), (534, 26716), (537, 26725),

Gene: BilboSwaggins_35 Start: 31858, Stop: 32715, Start Num: 98

Candidate Starts for BilboSwaggins_35:

(Start: 98 @31858 has 132 MA's), (Start: 121 @31897 has 2 MA's), (144, 31927), (155, 31948), (173, 31984), (Start: 189 @32014 has 17 MA's), (234, 32089), (259, 32137), (260, 32140), (270, 32164), (271, 32167), (278, 32182), (350, 32353), (397, 32452), (404, 32467), (411, 32482), (415, 32488), (445, 32530), (446, 32533), (481, 32587), (517, 32665), (535, 32698),

Gene: BillyBobJr_55 Start: 48051, Stop: 47221, Start Num: 136

Candidate Starts for BillyBobJr_55:

(45, 48342), (51, 48318), (Start: 117 @48075 has 49 MA's), (136, 48051), (Start: 168 @47997 has 2 MA's), (206, 47922), (240, 47862), (246, 47844), (253, 47820), (260, 47805), (276, 47769), (278, 47763), (338, 47595), (358, 47544), (359, 47538), (368, 47520), (426, 47403), (459, 47328), (472, 47301), (477, 47292), (501, 47241),

Gene: Birdsong_27 Start: 21231, Stop: 21854, Start Num: 201

Candidate Starts for Birdsong_27:

(53, 20856), (61, 20913), (68, 20958), (80, 21012), (81, 21015), (Start: 92 @21051 has 3 MA's), (113, 21096), (114, 21099), (Start: 201 @21231 has 28 MA's), (205, 21237), (223, 21267), (231, 21282), (259, 21342), (294, 21417), (308, 21462), (322, 21498), (337, 21534), (373, 21597), (406, 21660), (418, 21681), (422, 21690), (455, 21747), (503, 21822), (507, 21831),

Gene: BirksAndSocks_54 Start: 48115, Stop: 47258, Start Num: 117

Candidate Starts for BirksAndSocks_54:

(Start: 117 @48115 has 49 MA's), (136, 48091), (Start: 161 @48052 has 4 MA's), (Start: 168 @48037 has 2 MA's), (183, 48001), (206, 47962), (240, 47902), (246, 47884), (260, 47845), (276, 47809), (278, 47803), (338, 47632), (368, 47557), (383, 47527), (426, 47440), (459, 47365), (472, 47338), (501, 47278),

Gene: Bjanes7_24 Start: 19791, Stop: 20498, Start Num: 126

Candidate Starts for Bjanes7_24:

(69, 19647), (Start: 126 @19791 has 32 MA's), (165, 19848), (Start: 187 @19887 has 7 MA's), (221, 19947), (232, 19965), (234, 19968), (243, 19986), (258, 20022), (259, 20025), (273, 20058), (284, 20076), (300, 20103), (329, 20181), (367, 20250), (381, 20280), (385, 20286), (509, 20490),

Gene: Blackpen_45 Start: 36985, Stop: 37707, Start Num: 131

Candidate Starts for Blackpen_45:

(64, 36799), (Start: 131 @36985 has 21 MA's), (186, 37078), (224, 37147), (241, 37174), (243, 37180), (286, 37270), (332, 37378), (341, 37390), (367, 37441), (381, 37471), (394, 37501), (401, 37516),

Gene: Blizzard_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Blizzard_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: BlueBird_11 Start: 5739, Stop: 6479, Start Num: 109

Candidate Starts for BlueBird_11:

(66, 5622), (Start: 109 @5739 has 18 MA's), (173, 5826), (211, 5883), (219, 5895), (221, 5898), (236, 5922), (244, 5937), (257, 5955), (269, 5985), (271, 5991), (276, 6000), (282, 6018), (303, 6069), (308, 6087), (333, 6159), (352, 6201), (381, 6228), (393, 6255), (413, 6288), (415, 6291), (436, 6330), (532, 6471),

Gene: Bluefalcon_7 Start: 5433, Stop: 6242, Start Num: 110

Candidate Starts for Bluefalcon_7:

(Start: 110 @5433 has 51 MA's), (155, 5496), (Start: 161 @5505 has 4 MA's), (Start: 171 @5526 has 11 MA's), (Start: 189 @5562 has 17 MA's), (219, 5610), (247, 5667), (256, 5691), (332, 5880), (350, 5922), (379, 5979), (539, 6228),

Gene: BobRoss2024_41 Start: 35281, Stop: 36009, Start Num: 126

Candidate Starts for BobRoss2024_41:

(5, 34177), (7, 34186), (11, 34699), (14, 34804), (74, 35155), (Start: 126 @35281 has 32 MA's), (234, 35455), (284, 35560), (381, 35779), (385, 35785), (401, 35824), (514, 36004),

Gene: Bobquesha_33 Start: 27381, Stop: 28172, Start Num: 102

Candidate Starts for Bobquesha_33:

(72, 27276), (76, 27294), (83, 27321), (89, 27342), (Start: 102 @27381 has 23 MA's), (Start: 134 @27414 has 1 MA's), (155, 27447), (184, 27501), (205, 27540), (211, 27549), (234, 27585), (238, 27594), (315, 27777), (354, 27873), (370, 27900), (380, 27921), (389, 27936), (391, 27945), (446, 27969), (481, 28023), (486, 28035), (522, 28107), (533, 28128),

Gene: Bogg_35 Start: 30758, Stop: 31615, Start Num: 98

Candidate Starts for Bogg_35:

(Start: 98 @30758 has 132 MA's), (Start: 121 @30797 has 2 MA's), (144, 30827), (155, 30848), (173, 30884), (Start: 189 @30914 has 17 MA's), (234, 30989), (259, 31037), (260, 31040), (270, 31064), (271, 31067), (278, 31082), (350, 31253), (397, 31352), (404, 31367), (411, 31382), (415, 31388), (445, 31430), (446, 31433), (481, 31487), (517, 31565), (535, 31598),

Gene: Boiiii_31 Start: 26496, Stop: 27368, Start Num: 119

Candidate Starts for Boiiii_31:

(33, 26166), (76, 26394), (99, 26469), (Start: 119 @26496 has 151 MA's), (Start: 134 @26508 has 1 MA's), (173, 26577), (Start: 189 @26604 has 17 MA's), (205, 26634), (211, 26643), (234, 26679), (238, 26688), (250, 26721), (259, 26739), (271, 26769), (301, 26829), (354, 26964), (370, 26991), (380, 27012), (391, 27036), (419, 27087), (449, 27189), (474, 27225), (486, 27249), (534, 27348), (537, 27357),

Gene: Boilgate_28 Start: 28389, Stop: 29168, Start Num: 102

Candidate Starts for Boilgate_28:

(83, 28332), (Start: 102 @28389 has 23 MA's), (Start: 134 @28422 has 1 MA's), (155, 28455), (184, 28509), (Start: 189 @28518 has 17 MA's), (211, 28545), (234, 28581), (238, 28590), (275, 28662), (354, 28869), (370, 28896), (380, 28917), (393, 28944), (442, 28962), (481, 29019), (486, 29031), (494, 29055),

Gene: Bombitas_46 Start: 42161, Stop: 43027, Start Num: 86

Candidate Starts for Bombitas_46:

(Start: 86 @42161 has 31 MA's), (Start: 94 @42188 has 4 MA's), (Start: 110 @42209 has 51 MA's), (173, 42296), (184, 42317), (211, 42362), (226, 42383), (241, 42404), (269, 42458), (289, 42509), (308, 42560), (369, 42710), (390, 42752), (413, 42803), (423, 42821), (456, 42887), (462, 42899), (474, 42908), (489, 42938), (527, 43001),

Gene: Bonamassa_8 Start: 5355, Stop: 6164, Start Num: 110

Candidate Starts for Bonamassa_8:

(Start: 110 @5355 has 51 MA's), (155, 5418), (Start: 161 @5427 has 4 MA's), (Start: 189 @5484 has 17 MA's), (219, 5532), (256, 5613), (332, 5802), (350, 5844), (379, 5901), (399, 5943), (539, 6150),

Gene: Boneham_53 Start: 48016, Stop: 47162, Start Num: 117

Candidate Starts for Boneham_53:

(45, 48283), (51, 48259), (Start: 117 @48016 has 49 MA's), (136, 47992), (Start: 168 @47938 has 2 MA's), (206, 47863), (240, 47803), (246, 47785), (253, 47761), (260, 47746), (276, 47710), (278, 47704), (338, 47536), (358, 47485), (359, 47479), (368, 47461), (426, 47344), (459, 47269), (472, 47242), (477, 47233), (501, 47182),

Gene: Bonum_21 Start: 9448, Stop: 10239, Start Num: 139

Candidate Starts for Bonum_21:

(Start: 139 @9448 has 8 MA's), (169, 9493), (202, 9556), (210, 9568), (Start: 215 @9574 has 1 MA's), (222, 9589), (238, 9613), (242, 9622), (261, 9670), (277, 9706), (321, 9817), (328, 9838), (339, 9859), (478, 10144), (488, 10165), (491, 10174), (493, 10180), (510, 10213),

Gene: Bosnia_25 Start: 22309, Stop: 22926, Start Num: 188

Candidate Starts for Bosnia_25:

(Start: 125 @22210 has 21 MA's), (159, 22249), (176, 22282), (Start: 188 @22309 has 13 MA's), (Start: 207 @22318 has 2 MA's), (231, 22360), (238, 22372), (259, 22420), (267, 22441), (277, 22462), (294, 22495), (296, 22498), (308, 22540), (322, 22576), (347, 22627), (373, 22675), (406, 22738), (422, 22768), (454, 22819), (503, 22897),

Gene: BotCity_28 Start: 21499, Stop: 22122, Start Num: 201

Candidate Starts for BotCity_28:

(53, 21124), (61, 21181), (68, 21226), (80, 21280), (81, 21283), (Start: 92 @21319 has 3 MA's), (113, 21364), (114, 21367), (Start: 201 @21499 has 28 MA's), (205, 21505), (223, 21535), (231, 21550), (233, 21553), (267, 21631), (297, 21691), (308, 21730), (322, 21766), (337, 21802), (373, 21865), (406, 21928), (418, 21949), (422, 21958), (433, 21970), (451, 22003), (503, 22090), (507, 22099),

Gene: Bowser_26 Start: 21340, Stop: 22053, Start Num: 131

Candidate Starts for Bowser_26:

(95, 21283), (Start: 131 @21340 has 21 MA's), (172, 21406), (Start: 187 @21433 has 7 MA's), (193, 21448), (217, 21484), (221, 21493), (247, 21544), (259, 21571), (269, 21595), (302, 21658), (305, 21667), (326, 21724), (338, 21742), (374, 21817), (381, 21829), (385, 21835), (473, 21970),

Gene: BoyNamedSue_26 Start: 22182, Stop: 22802, Start Num: 189

Candidate Starts for BoyNamedSue_26:

(50, 21807), (80, 21978), (81, 21981), (113, 22062), (Start: 125 @22083 has 21 MA's), (Start: 189 @22182 has 17 MA's), (205, 22191), (231, 22236), (267, 22317), (294, 22371), (308, 22416), (322, 22452), (347, 22503), (373, 22551), (406, 22614), (422, 22644), (454, 22695), (503, 22773),

Gene: Bradissa_27 Start: 22057, Stop: 22773, Start Num: 125

Candidate Starts for Bradissa_27:

(Start: 107 @22030 has 1 MA's), (Start: 108 @22033 has 1 MA's), (Start: 125 @22057 has 21 MA's), (142, 22075), (172, 22129), (221, 22213), (243, 22252), (258, 22288), (269, 22315), (300, 22369), (305, 22387), (342, 22480), (381, 22558), (385, 22564), (497, 22741), (507, 22759),

Gene: Bradman_10 Start: 5599, Stop: 6363, Start Num: 111

Candidate Starts for Bradman_10:

(Start: 111 @5599 has 17 MA's), (211, 5743), (270, 5857), (271, 5860), (276, 5869), (303, 5938), (308, 5956), (329, 6019), (381, 6097), (393, 6124), (404, 6139), (413, 6157), (415, 6160), (472, 6250), (504, 6319),

Gene: Braxoaddie_20 Start: 9976, Stop: 10872, Start Num: 96

Candidate Starts for Braxoaddie_20:

(42, 9739), (Start: 96 @9976 has 7 MA's), (149, 10054), (190, 10141), (218, 10189), (227, 10204), (266, 10282), (288, 10327), (338, 10459), (386, 10552), (392, 10567), (440, 10666), (471, 10747), (495, 10795), (520, 10840),

Gene: Breezic_49 Start: 46008, Stop: 45151, Start Num: 117

Candidate Starts for Breezic_49:

(Start: 117 @46008 has 49 MA's), (136, 45984), (Start: 161 @45945 has 4 MA's), (Start: 168 @45930 has 2 MA's), (183, 45894), (206, 45855), (228, 45816), (240, 45795), (246, 45777), (260, 45738), (276, 45702), (278, 45696), (338, 45525), (368, 45450), (383, 45420), (426, 45333), (459, 45258), (472, 45231), (501, 45171),

Gene: Brewer_35 Start: 32106, Stop: 32963, Start Num: 98

Candidate Starts for Brewer_35:

(Start: 98 @32106 has 132 MA's), (Start: 121 @32145 has 2 MA's), (144, 32175), (155, 32196), (173, 32232), (Start: 189 @32262 has 17 MA's), (234, 32337), (259, 32385), (260, 32388), (270, 32412), (271, 32415), (278, 32430), (350, 32601), (404, 32715), (411, 32730), (415, 32736), (445, 32778), (446, 32781), (481, 32835), (517, 32913), (535, 32946),

Gene: BritBrat_27 Start: 21883, Stop: 22626, Start Num: 107

Candidate Starts for BritBrat_27:

(Start: 107 @21883 has 1 MA's), (Start: 108 @21886 has 1 MA's), (Start: 125 @21910 has 21 MA's), (142, 21928), (172, 21982), (221, 22066), (243, 22105), (258, 22141), (269, 22168), (300, 22222), (305, 22240), (342, 22333), (381, 22411), (385, 22417), (497, 22594), (507, 22612),

Gene: BronnyJames_41 Start: 36442, Stop: 37287, Start Num: 94

Candidate Starts for BronnyJames_41:

(Start: 86 @36415 has 31 MA's), (Start: 94 @36442 has 4 MA's), (150, 36502), (173, 36550), (211, 36616), (226, 36637), (241, 36658), (269, 36712), (302, 36793), (421, 37072), (423, 37075), (435, 37099), (453, 37135), (460, 37150), (474, 37162), (485, 37183), (527, 37255),

Gene: Bruin_35 Start: 31878, Stop: 32735, Start Num: 98

Candidate Starts for Bruin_35:

(Start: 98 @31878 has 132 MA's), (Start: 121 @31917 has 2 MA's), (144, 31947), (155, 31968), (173, 32004), (Start: 189 @32034 has 17 MA's), (234, 32109), (259, 32157), (260, 32160), (270, 32184), (271, 32187), (278, 32202), (350, 32373), (404, 32487), (411, 32502), (415, 32508), (445, 32550), (446, 32553), (481, 32607), (517, 32685), (535, 32718),

Gene: Bryler_31 Start: 25864, Stop: 26607, Start Num: 119

Candidate Starts for Bryler_31:

(99, 25837), (Start: 119 @25864 has 151 MA's), (136, 25882), (154, 25906), (155, 25912), (173, 25948), (205, 25996), (211, 26005), (234, 26041), (250, 26083), (301, 26191), (354, 26326), (364, 26341), (370, 26353), (380, 26374), (389, 26389), (390, 26392), (391, 26398), (481, 26476), (519, 26557), (533, 26578), (534, 26587),

Gene: Buck_34 Start: 31814, Stop: 32671, Start Num: 98

Candidate Starts for Buck_34:

(Start: 98 @31814 has 132 MA's), (Start: 121 @31853 has 2 MA's), (144, 31883), (155, 31904), (173, 31940), (Start: 189 @31970 has 17 MA's), (234, 32045), (259, 32093), (260, 32096), (270, 32120), (271, 32123), (278, 32138), (350, 32309), (397, 32408), (404, 32423), (411, 32438), (415, 32444), (445, 32486), (446, 32489), (481, 32543), (517, 32621), (535, 32654),

Gene: Budgie_37 Start: 31405, Stop: 32262, Start Num: 98

Candidate Starts for Budgie_37:

(Start: 98 @31405 has 132 MA's), (Start: 121 @31444 has 2 MA's), (144, 31474), (155, 31495), (Start: 168 @31519 has 2 MA's), (173, 31531), (Start: 189 @31561 has 17 MA's), (226, 31624), (234, 31636), (260, 31687), (270, 31711), (278, 31729), (289, 31750), (349, 31894), (350, 31900), (404, 32014), (411, 32029), (415, 32035), (421, 32047), (445, 32077), (446, 32080), (481, 32134), (502, 32182), (517, 32212),

Gene: Budski_28 Start: 21606, Stop: 22229, Start Num: 201

Candidate Starts for Budski_28:

(53, 21231), (61, 21288), (68, 21333), (80, 21387), (81, 21390), (Start: 92 @21426 has 3 MA's), (113, 21471), (114, 21474), (Start: 201 @21606 has 28 MA's), (205, 21612), (223, 21642), (231, 21657), (259, 21717), (297, 21798), (308, 21837), (337, 21909), (373, 21972), (397, 22017), (406, 22035), (418, 22056), (422, 22065), (503, 22197), (507, 22206), (513, 22218),

Gene: Bugatti_10 Start: 5739, Stop: 6479, Start Num: 109

Candidate Starts for Bugatti_10:

(66, 5622), (Start: 109 @5739 has 18 MA's), (173, 5826), (211, 5883), (219, 5895), (221, 5898), (236, 5922), (244, 5937), (257, 5955), (269, 5985), (271, 5991), (276, 6000), (282, 6018), (303, 6069), (308, 6087), (333, 6159), (352, 6201), (381, 6228), (393, 6255), (413, 6288), (415, 6291), (436, 6330), (532, 6471),

Gene: Buggaboo_20 Start: 8964, Stop: 9755, Start Num: 139

Candidate Starts for Buggaboo_20:

(Start: 139 @8964 has 8 MA's), (151, 8973), (169, 9009), (202, 9072), (Start: 215 @9090 has 1 MA's), (222, 9105), (238, 9129), (242, 9138), (261, 9186), (277, 9222), (321, 9333), (339, 9375), (478, 9660), (488, 9681), (491, 9690), (493, 9696), (510, 9729),

Gene: BugsBunny_33 Start: 31447, Stop: 32304, Start Num: 98

Candidate Starts for BugsBunny_33:

(Start: 98 @31447 has 132 MA's), (Start: 121 @31486 has 2 MA's), (144, 31516), (155, 31537), (173, 31573), (Start: 189 @31603 has 17 MA's), (234, 31678), (259, 31726), (260, 31729), (270, 31753), (271, 31756), (278, 31771), (350, 31942), (404, 32056), (411, 32071), (415, 32077), (445, 32119), (446, 32122), (481, 32176), (517, 32254), (535, 32287),

Gene: Bunker_26 Start: 21542, Stop: 22261, Start Num: 131

Candidate Starts for Bunker_26:

(60, 21332), (65, 21362), (95, 21485), (Start: 131 @21542 has 21 MA's), (Start: 187 @21635 has 7 MA's), (193, 21650), (221, 21695), (247, 21746), (259, 21773), (269, 21797), (302, 21860), (305, 21869), (381, 22031), (385, 22037),

Gene: Butterball_53 Start: 48021, Stop: 47167, Start Num: 117

Candidate Starts for Butterball_53:

(45, 48288), (51, 48264), (Start: 117 @48021 has 49 MA's), (136, 47997), (Start: 168 @47943 has 2 MA's), (206, 47868), (240, 47808), (246, 47790), (253, 47766), (260, 47751), (276, 47715), (278, 47709), (338, 47541), (358, 47490), (359, 47484), (368, 47466), (426, 47349), (459, 47274), (472, 47247), (477, 47238), (501, 47187),

Gene: C3_09 Start: 6596, Stop: 7345, Start Num: 111

Candidate Starts for C3_09:

(Start: 111 @6596 has 17 MA's), (Start: 121 @6602 has 2 MA's), (214, 6743), (259, 6830), (269, 6854), (271, 6860), (282, 6887), (303, 6938), (308, 6956), (381, 7100), (415, 7163), (445, 7211), (446, 7214), (460, 7244), (472, 7253),

Gene: CREW_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for CREW_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: Cactus_36 Start: 31069, Stop: 31926, Start Num: 98

Candidate Starts for Cactus_36:

(Start: 98 @31069 has 132 MA's), (Start: 121 @31108 has 2 MA's), (144, 31138), (155, 31159), (173, 31195), (Start: 189 @31225 has 17 MA's), (234, 31300), (259, 31348), (260, 31351), (270, 31375), (271, 31378), (278, 31393), (350, 31564), (404, 31678), (411, 31693), (415, 31699), (445, 31741), (446, 31744), (481, 31798), (517, 31876), (535, 31909),

Gene: CaiB_45 Start: 37553, Stop: 38275, Start Num: 131

Candidate Starts for CaiB_45:

(64, 37367), (Start: 131 @37553 has 21 MA's), (186, 37646), (224, 37715), (241, 37742), (243, 37748), (300, 37862), (332, 37946), (381, 38039), (394, 38069),

Gene: Cain_31 Start: 25852, Stop: 26595, Start Num: 119

Candidate Starts for Cain_31:

(99, 25825), (Start: 119 @25852 has 151 MA's), (136, 25870), (154, 25894), (155, 25900), (173, 25936), (205, 25984), (211, 25993), (234, 26029), (250, 26071), (301, 26179), (354, 26314), (364, 26329), (370, 26341), (380, 26362), (389, 26377), (390, 26380), (391, 26386), (481, 26464), (519, 26545), (533, 26566), (534, 26575),

Gene: Caitlin_8 Start: 4870, Stop: 5679, Start Num: 110

Candidate Starts for Caitlin_8:

(Start: 110 @4870 has 51 MA's), (166, 4954), (Start: 189 @4999 has 17 MA's), (226, 5059), (254, 5125), (350, 5359), (369, 5398), (379, 5416), (394, 5449), (403, 5467), (456, 5512), (482, 5536), (539, 5665),

Gene: CallaLilly_31 Start: 26417, Stop: 27289, Start Num: 119

Candidate Starts for CallaLilly_31:

(33, 26087), (76, 26315), (99, 26390), (Start: 119 @26417 has 151 MA's), (Start: 134 @26429 has 1 MA's), (173, 26498), (179, 26507), (Start: 189 @26525 has 17 MA's), (205, 26555), (211, 26564), (234, 26600), (238, 26609), (250, 26642), (259, 26660), (271, 26690), (301, 26750), (354, 26885), (370, 26912), (380, 26933), (391, 26957), (419, 27008), (449, 27110), (474, 27146), (486, 27170), (534, 27269), (537, 27278),

Gene: Capricorn_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Capricorn_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: CaseJules_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for CaseJules_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: Cashline_26 Start: 21658, Stop: 22278, Start Num: 187

Candidate Starts for Cashline_26:

(Start: 187 @21658 has 7 MA's), (205, 21664), (223, 21694), (231, 21709), (247, 21745), (267, 21790), (294, 21844), (308, 21889), (337, 21961), (347, 21976), (373, 22024), (388, 22045), (406, 22087), (454, 22168), (503, 22246), (507, 22255), (509, 22258),

Gene: CathyBurgh_49 Start: 46585, Stop: 45728, Start Num: 117

Candidate Starts for CathyBurgh_49:

(Start: 117 @46585 has 49 MA's), (136, 46561), (Start: 161 @46522 has 4 MA's), (Start: 168 @46507 has 2 MA's), (183, 46471), (206, 46432), (240, 46372), (246, 46354), (260, 46315), (276, 46279), (278,

46273), (338, 46102), (368, 46027), (383, 45997), (426, 45910), (459, 45835), (472, 45808), (501, 45748),

Gene: Chadwick_9 Start: 5150, Stop: 5959, Start Num: 110

Candidate Starts for Chadwick_9:

(88, 5087), (Start: 98 @5126 has 132 MA's), (Start: 110 @5150 has 51 MA's), (155, 5213), (Start: 189 @5279 has 17 MA's), (195, 5294), (219, 5327), (332, 5597), (350, 5639), (369, 5678), (379, 5696), (393, 5726), (534, 5924),

Gene: Chancellor_32 Start: 27640, Stop: 28431, Start Num: 102

Candidate Starts for Chancellor_32:

(Start: 102 @27640 has 23 MA's), (Start: 134 @27673 has 1 MA's), (155, 27706), (Start: 168 @27730 has 2 MA's), (179, 27751), (184, 27760), (198, 27790), (205, 27799), (211, 27808), (234, 27844), (275, 27925), (354, 28132), (370, 28159), (380, 28180), (391, 28204), (446, 28228), (481, 28282), (486, 28294), (522, 28366),

Gene: CharlottesWeb_42 Start: 35092, Stop: 35814, Start Num: 126

Candidate Starts for CharlottesWeb_42:

(11, 34510), (Start: 126 @35092 has 32 MA's), (221, 35248), (224, 35254), (247, 35299), (273, 35362), (277, 35371), (284, 35380), (300, 35407), (301, 35410), (367, 35557), (381, 35587), (385, 35593), (456, 35704), (475, 35728), (497, 35779), (505, 35794),

Gene: Chavito_31 Start: 26161, Stop: 26922, Start Num: 119

Candidate Starts for Chavito_31:

(76, 26056), (80, 26077), (Start: 92 @26110 has 3 MA's), (99, 26131), (Start: 119 @26161 has 151 MA's), (155, 26206), (179, 26251), (Start: 207 @26302 has 2 MA's), (211, 26308), (230, 26338), (234, 26344), (238, 26353), (250, 26386), (269, 26428), (295, 26479), (301, 26494), (354, 26629), (370, 26656), (380, 26677), (384, 26683), (391, 26701), (446, 26734), (449, 26740), (481, 26788), (514, 26860), (534, 26902), (537, 26911),

Gene: CheeseTouch_28 Start: 21492, Stop: 22115, Start Num: 201

Candidate Starts for CheeseTouch_28:

(53, 21117), (61, 21174), (68, 21219), (80, 21273), (81, 21276), (Start: 92 @21312 has 3 MA's), (113, 21357), (114, 21360), (Start: 201 @21492 has 28 MA's), (205, 21498), (223, 21528), (231, 21543), (259, 21603), (297, 21684), (308, 21723), (337, 21795), (373, 21858), (397, 21903), (406, 21921), (418, 21942), (422, 21951), (503, 22083), (507, 22092), (513, 22104),

Gene: CheetoDust_31 Start: 26471, Stop: 27343, Start Num: 119

Candidate Starts for CheetoDust_31:

(99, 26444), (Start: 119 @26471 has 151 MA's), (Start: 134 @26483 has 1 MA's), (173, 26552), (Start: 189 @26579 has 17 MA's), (205, 26609), (211, 26618), (234, 26654), (238, 26663), (250, 26696), (259, 26714), (271, 26744), (301, 26804), (354, 26939), (370, 26966), (380, 26987), (391, 27011), (419, 27062), (474, 27200), (486, 27224), (534, 27323), (537, 27332),

Gene: Cheetobro_32 Start: 27637, Stop: 28428, Start Num: 102

Candidate Starts for Cheetobro_32:

(Start: 102 @27637 has 23 MA's), (Start: 134 @27670 has 1 MA's), (155, 27703), (Start: 168 @27727 has 2 MA's), (179, 27748), (184, 27757), (198, 27787), (205, 27796), (211, 27805), (234, 27841), (275, 27922), (354, 28129), (370, 28156), (380, 28177), (391, 28201), (446, 28225), (481, 28279), (486, 28291), (522, 28363),

Gene: Chelms_50 Start: 46517, Stop: 45657, Start Num: 117

Candidate Starts for Chelms_50:

(Start: 117 @46517 has 49 MA's), (136, 46493), (Start: 168 @46439 has 2 MA's), (183, 46403), (206, 46364), (240, 46304), (246, 46286), (260, 46247), (276, 46211), (278, 46205), (338, 46034), (368, 45959), (383, 45929), (426, 45842), (459, 45767), (472, 45740), (498, 45686), (501, 45680),

Gene: Chidiebere_31 Start: 21568, Stop: 22266, Start Num: 171

Candidate Starts for Chidiebere_31:

(Start: 162 @21550 has 1 MA's), (Start: 171 @21568 has 11 MA's), (Start: 215 @21631 has 1 MA's), (234, 21667), (263, 21727), (267, 21739), (277, 21760), (294, 21793), (304, 21823), (305, 21826), (311, 21847), (312, 21853), (316, 21859), (324, 21880), (377, 21985), (385, 21994), (418, 22063), (420, 22069), (443, 22105), (451, 22117), (478, 22156), (488, 22177), (524, 22246), (529, 22258), (531, 22261),

Gene: Chipko_27 Start: 22550, Stop: 23251, Start Num: 125

Candidate Starts for Chipko_27:

(16, 22118), (17, 22121), (24, 22157), (30, 22178), (35, 22205), (38, 22217), (43, 22259), (63, 22367), (Start: 125 @22550 has 21 MA's), (144, 22568), (Start: 187 @22643 has 7 MA's), (193, 22658), (239, 22733), (247, 22754), (257, 22775), (269, 22805), (284, 22832), (300, 22859), (302, 22868), (305, 22877), (342, 22958), (381, 23036), (385, 23042), (503, 23228),

Gene: Chiqui_9 Start: 5958, Stop: 6698, Start Num: 109

Candidate Starts for Chiqui_9:

(56, 5772), (66, 5841), (Start: 109 @5958 has 18 MA's), (173, 6045), (211, 6102), (219, 6114), (221, 6117), (236, 6141), (244, 6156), (259, 6180), (269, 6204), (271, 6210), (282, 6237), (308, 6306), (333, 6378), (352, 6420), (381, 6447), (393, 6474), (413, 6507), (415, 6510), (436, 6549), (532, 6690),

Gene: ChisanaKitsune_27 Start: 20220, Stop: 20918, Start Num: 171

Candidate Starts for ChisanaKitsune_27:

(93, 20082), (Start: 94 @20088 has 4 MA's), (103, 20109), (Start: 110 @20121 has 51 MA's), (132, 20154), (141, 20166), (Start: 171 @20220 has 11 MA's), (Start: 215 @20283 has 1 MA's), (267, 20391), (277, 20412), (294, 20445), (304, 20475), (305, 20478), (311, 20499), (312, 20505), (316, 20511), (324, 20532), (377, 20637), (385, 20646), (418, 20715), (420, 20721), (443, 20757), (451, 20769), (478, 20808), (524, 20898), (529, 20910), (531, 20913),

Gene: ChosenOne_35 Start: 31066, Stop: 31923, Start Num: 98

Candidate Starts for ChosenOne_35:

(Start: 98 @31066 has 132 MA's), (Start: 121 @31105 has 2 MA's), (144, 31135), (155, 31156), (173, 31192), (Start: 189 @31222 has 17 MA's), (234, 31297), (259, 31345), (260, 31348), (270, 31372), (271, 31375), (278, 31390), (350, 31561), (404, 31675), (411, 31690), (415, 31696), (445, 31738), (446, 31741), (481, 31795), (517, 31873), (535, 31906),

Gene: ChotaBhai_35 Start: 31104, Stop: 31961, Start Num: 98

Candidate Starts for ChotaBhai_35:

(Start: 98 @31104 has 132 MA's), (Start: 121 @31143 has 2 MA's), (144, 31173), (155, 31194), (173, 31230), (Start: 189 @31260 has 17 MA's), (234, 31335), (259, 31383), (260, 31386), (270, 31410), (271, 31413), (278, 31428), (350, 31599), (404, 31713), (411, 31728), (415, 31734), (445, 31776), (446, 31779), (481, 31833), (517, 31911), (535, 31944),

Gene: Chris_30 Start: 25746, Stop: 26486, Start Num: 119

Candidate Starts for Chris_30:

(99, 25719), (Start: 119 @25746 has 151 MA's), (136, 25761), (155, 25791), (173, 25827), (211, 25884), (234, 25920), (250, 25962), (301, 26070), (370, 26232), (384, 26259), (391, 26277), (440, 26289), (446, 26301), (474, 26343), (485, 26364), (486, 26367), (534, 26466), (537, 26475),

Gene: CinnamonToast_55 Start: 48051, Stop: 47221, Start Num: 136

Candidate Starts for CinnamonToast_55:

(45, 48342), (51, 48318), (Start: 117 @48075 has 49 MA's), (136, 48051), (Start: 168 @47997 has 2 MA's), (206, 47922), (240, 47862), (246, 47844), (253, 47820), (260, 47805), (276, 47769), (278, 47763), (338, 47595), (358, 47544), (359, 47538), (368, 47520), (426, 47403), (459, 47328), (472, 47301), (477, 47292), (501, 47241),

Gene: Cjw1_35 Start: 32618, Stop: 33475, Start Num: 98

Candidate Starts for Cjw1_35:

(Start: 98 @32618 has 132 MA's), (Start: 121 @32657 has 2 MA's), (144, 32687), (155, 32708), (173, 32744), (Start: 189 @32774 has 17 MA's), (234, 32849), (259, 32897), (260, 32900), (270, 32924), (271, 32927), (278, 32942), (350, 33113), (404, 33227), (411, 33242), (415, 33248), (445, 33290), (446, 33293), (481, 33347), (517, 33425), (535, 33458),

Gene: Clammy_10 Start: 5739, Stop: 6479, Start Num: 109

Candidate Starts for Clammy_10:

(66, 5622), (Start: 109 @5739 has 18 MA's), (173, 5826), (211, 5883), (219, 5895), (221, 5898), (236, 5922), (244, 5937), (257, 5955), (269, 5985), (271, 5991), (276, 6000), (282, 6018), (303, 6069), (308, 6087), (333, 6159), (352, 6201), (381, 6228), (393, 6255), (413, 6288), (415, 6291), (436, 6330), (532, 6471),

Gene: Clap_24 Start: 19798, Stop: 20505, Start Num: 126

Candidate Starts for Clap_24:

(69, 19654), (Start: 126 @19798 has 32 MA's), (165, 19855), (Start: 187 @19894 has 7 MA's), (217, 19945), (221, 19954), (232, 19972), (234, 19975), (258, 20029), (259, 20032), (273, 20065), (284, 20083), (300, 20110), (329, 20188), (367, 20257), (369, 20263), (381, 20287), (385, 20293), (509, 20497),

Gene: Clipper_31 Start: 26471, Stop: 27343, Start Num: 119

Candidate Starts for Clipper_31:

(99, 26444), (Start: 119 @26471 has 151 MA's), (Start: 134 @26483 has 1 MA's), (173, 26552), (Start: 189 @26579 has 17 MA's), (205, 26609), (211, 26618), (234, 26654), (238, 26663), (250, 26696), (259, 26714), (271, 26744), (300, 26801), (301, 26804), (354, 26939), (370, 26966), (380, 26987), (391, 27011), (419, 27062), (449, 27164), (474, 27200), (486, 27224), (534, 27323), (537, 27332),

Gene: CloverMinnie_45 Start: 37493, Stop: 38215, Start Num: 131

Candidate Starts for CloverMinnie_45:

(64, 37307), (Start: 131 @37493 has 21 MA's), (186, 37586), (224, 37655), (241, 37682), (243, 37688), (286, 37778), (332, 37886), (341, 37898), (367, 37949), (381, 37979), (394, 38009), (401, 38024),

Gene: Coeur_17 Start: 11931, Stop: 12794, Start Num: 100

Candidate Starts for Coeur_17:

(Start: 100 @11931 has 4 MA's), (155, 12009), (158, 12012), (178, 12054), (179, 12057), (237, 12156), (240, 12162), (244, 12174), (291, 12285), (369, 12477), (393, 12528), (397, 12537), (410, 12564), (483, 12675),

Gene: CoffeeBean_20 Start: 9913, Stop: 10809, Start Num: 96

Candidate Starts for CoffeeBean_20:

(Start: 96 @9913 has 7 MA's), (149, 9991), (190, 10078), (218, 10126), (227, 10141), (266, 10219), (288, 10264), (338, 10396), (386, 10489), (392, 10504), (440, 10603), (471, 10684), (495, 10732), (520, 10777),

Gene: Collard_30 Start: 27188, Stop: 27949, Start Num: 118

Candidate Starts for Collard_30:

(Start: 92 @27140 has 3 MA's), (Start: 118 @27188 has 20 MA's), (Start: 134 @27200 has 1 MA's), (136, 27203), (Start: 139 @27206 has 8 MA's), (155, 27233), (173, 27269), (Start: 207 @27329 has 2 MA's), (211, 27335), (230, 27365), (234, 27371), (238, 27380), (250, 27413), (269, 27455), (270, 27458), (276, 27470), (295, 27506), (301, 27521), (311, 27557), (354, 27656), (370, 27683), (380, 27704), (449, 27767), (461, 27791), (481, 27815), (511, 27884), (534, 27929), (537, 27938),

Gene: Command613_36 Start: 32125, Stop: 32982, Start Num: 98

Candidate Starts for Command613_36:

(Start: 98 @32125 has 132 MA's), (Start: 121 @32164 has 2 MA's), (144, 32194), (155, 32215), (173, 32251), (Start: 189 @32281 has 17 MA's), (234, 32356), (259, 32404), (260, 32407), (270, 32431), (271, 32434), (278, 32449), (350, 32620), (404, 32734), (411, 32749), (415, 32755), (445, 32797), (446, 32800), (481, 32854), (517, 32932), (535, 32965),

Gene: Commandaria_20 Start: 9068, Stop: 9796, Start Num: 137

Candidate Starts for Commandaria_20:

(Start: 137 @9068 has 22 MA's), (175, 9125), (232, 9158), (244, 9179), (261, 9221), (388, 9497), (409, 9545), (418, 9560), (488, 9707), (505, 9749),

Gene: Confidence_26 Start: 21821, Stop: 22441, Start Num: 187

Candidate Starts for Confidence_26:

(Start: 187 @21821 has 7 MA's), (205, 21827), (231, 21872), (247, 21908), (267, 21953), (294, 22007), (308, 22052), (337, 22124), (373, 22187), (406, 22250), (454, 22331), (503, 22409), (507, 22418), (509, 22421),

Gene: Conspiracy_8 Start: 5173, Stop: 5982, Start Num: 110

Candidate Starts for Conspiracy_8:

(Start: 110 @5173 has 51 MA's), (155, 5236), (Start: 161 @5245 has 4 MA's), (Start: 171 @5266 has 11 MA's), (Start: 189 @5302 has 17 MA's), (219, 5350), (247, 5407), (256, 5431), (350, 5662), (379, 5719), (539, 5968),

Gene: Constella_41 Start: 38707, Stop: 39573, Start Num: 86

Candidate Starts for Constella_41:

(Start: 86 @38707 has 31 MA's), (Start: 94 @38734 has 4 MA's), (173, 38842), (184, 38863), (211, 38908), (226, 38929), (241, 38950), (269, 39004), (289, 39055), (308, 39106), (369, 39256), (390, 39298), (413, 39349), (423, 39367), (456, 39433), (462, 39445), (474, 39454), (489, 39484), (527, 39547),

Gene: Contagion_34 Start: 31362, Stop: 32219, Start Num: 98

Candidate Starts for Contagion_34:

(Start: 98 @31362 has 132 MA's), (Start: 121 @31401 has 2 MA's), (144, 31431), (155, 31452), (173, 31488), (Start: 189 @31518 has 17 MA's), (234, 31593), (259, 31641), (260, 31644), (270, 31668), (271, 31671), (278, 31686), (350, 31857), (404, 31971), (411, 31986), (415, 31992), (445, 32034), (446, 32037), (481, 32091), (517, 32169), (535, 32202),

Gene: Coog_8 Start: 5323, Stop: 6132, Start Num: 110

Candidate Starts for Coog_8:

(Start: 110 @5323 has 51 MA's), (155, 5386), (Start: 161 @5395 has 4 MA's), (Start: 189 @5452 has 17 MA's), (219, 5500), (332, 5770), (350, 5812), (379, 5869), (399, 5911), (539, 6118),

Gene: Cookies_35 Start: 31727, Stop: 32584, Start Num: 98

Candidate Starts for Cookies_35:

(Start: 98 @31727 has 132 MA's), (Start: 121 @31766 has 2 MA's), (144, 31796), (155, 31817), (173, 31853), (Start: 189 @31883 has 17 MA's), (234, 31958), (259, 32006), (260, 32009), (270, 32033), (271, 32036), (278, 32051), (350, 32222), (404, 32336), (411, 32351), (415, 32357), (445, 32399), (446, 32402), (481, 32456), (517, 32534), (535, 32567),

Gene: Coriander_27 Start: 22534, Stop: 23235, Start Num: 127

Candidate Starts for Coriander_27:

(Start: 127 @22534 has 5 MA's), (Start: 187 @22627 has 7 MA's), (193, 22642), (221, 22687), (239, 22717), (258, 22762), (269, 22789), (270, 22792), (300, 22843), (305, 22861), (342, 22942), (381, 23020), (385, 23026), (403, 23068), (408, 23077), (473, 23149), (503, 23212),

Gene: Crater_26 Start: 21059, Stop: 21682, Start Num: 201

Candidate Starts for Crater_26:

(53, 20684), (61, 20741), (68, 20786), (80, 20840), (81, 20843), (Start: 92 @20879 has 3 MA's), (113, 20924), (114, 20927), (Start: 201 @21059 has 28 MA's), (205, 21065), (223, 21095), (231, 21110), (259, 21170), (297, 21251), (308, 21290), (337, 21362), (373, 21425), (397, 21470), (406, 21488), (418, 21509), (422, 21518), (503, 21650), (507, 21659), (513, 21671),

Gene: Crete_51 Start: 46759, Stop: 45923, Start Num: 136

Candidate Starts for Crete_51:

(Start: 117 @46783 has 49 MA's), (136, 46759), (Start: 168 @46705 has 2 MA's), (183, 46669), (206, 46630), (240, 46570), (246, 46552), (260, 46513), (276, 46477), (278, 46471), (338, 46300), (368, 46225), (383, 46195), (426, 46108), (459, 46033), (472, 46006), (498, 45952), (501, 45946),

Gene: CrimD_31 Start: 26431, Stop: 27303, Start Num: 119

Candidate Starts for CrimD_31:

(99, 26404), (Start: 119 @26431 has 151 MA's), (Start: 134 @26443 has 1 MA's), (173, 26512), (Start: 189 @26539 has 17 MA's), (205, 26569), (211, 26578), (234, 26614), (238, 26623), (250, 26656), (259, 26674), (301, 26764), (354, 26899), (370, 26926), (380, 26947), (391, 26971), (419, 27022), (449, 27124), (474, 27160), (486, 27184), (534, 27283), (537, 27292),

Gene: CrystalP_35 Start: 31858, Stop: 32715, Start Num: 98

Candidate Starts for CrystalP_35:

(Start: 98 @31858 has 132 MA's), (Start: 121 @31897 has 2 MA's), (144, 31927), (155, 31948), (173, 31984), (Start: 189 @32014 has 17 MA's), (234, 32089), (259, 32137), (260, 32140), (270, 32164), (271, 32167), (278, 32182), (350, 32353), (397, 32452), (404, 32467), (411, 32482), (415, 32488), (445, 32530), (446, 32533), (481, 32587), (517, 32665), (535, 32698),

Gene: Cuco_8 Start: 5354, Stop: 6163, Start Num: 110

Candidate Starts for Cuco_8:

(Start: 110 @5354 has 51 MA's), (155, 5417), (Start: 161 @5426 has 4 MA's), (Start: 189 @5483 has 17 MA's), (219, 5531), (256, 5612), (332, 5801), (350, 5843), (379, 5900), (399, 5942), (539, 6149),

Gene: Cuke_31 Start: 27339, Stop: 28265, Start Num: 94

Candidate Starts for Cuke_31:

(Start: 94 @27339 has 4 MA's), (103, 27360), (123, 27393), (151, 27432), (157, 27444), (170, 27471), (182, 27498), (192, 27519), (228, 27579), (238, 27597), (249, 27627), (285, 27717), (290, 27732), (298, 27750), (315, 27816), (349, 27897), (389, 27984), (393, 27996), (407, 28023),

Gene: Curiosium_32 Start: 26281, Stop: 27129, Start Num: 119

Candidate Starts for Curiosium_32:

(Start: 92 @26233 has 3 MA's), (99, 26254), (Start: 119 @26281 has 151 MA's), (Start: 134 @26293 has 1 MA's), (154, 26320), (155, 26326), (Start: 171 @26356 has 11 MA's), (211, 26425), (238,

26470), (250, 26503), (259, 26521), (295, 26596), (326, 26683), (354, 26746), (370, 26773), (380, 26794), (391, 26818), (409, 26854), (449, 26950), (474, 26986), (486, 27010), (537, 27118),

Gene: Cynthia_24 Start: 19798, Stop: 20505, Start Num: 126

Candidate Starts for Cynthia_24:

(69, 19654), (Start: 126 @19798 has 32 MA's), (165, 19855), (Start: 187 @19894 has 7 MA's), (217, 19945), (221, 19954), (232, 19972), (234, 19975), (258, 20029), (259, 20032), (273, 20065), (284, 20083), (300, 20110), (329, 20188), (367, 20257), (369, 20263), (381, 20287), (385, 20293), (509, 20497),

Gene: Czyszczone1_36 Start: 31603, Stop: 32460, Start Num: 98

Candidate Starts for Czyszczone1_36:

(Start: 98 @31603 has 132 MA's), (Start: 121 @31642 has 2 MA's), (144, 31672), (155, 31693), (173, 31729), (Start: 189 @31759 has 17 MA's), (234, 31834), (259, 31882), (260, 31885), (270, 31909), (271, 31912), (278, 31927), (350, 32098), (404, 32212), (411, 32227), (415, 32233), (445, 32275), (446, 32278), (481, 32332), (517, 32410), (535, 32443),

Gene: D29_12 Start: 6597, Stop: 7361, Start Num: 111

Candidate Starts for D29_12:

(Start: 111 @6597 has 17 MA's), (211, 6741), (259, 6828), (270, 6855), (276, 6867), (308, 6954), (381, 7095), (413, 7155), (415, 7158), (435, 7194), (472, 7248), (493, 7296),

Gene: D32_14 Start: 6597, Stop: 7361, Start Num: 111

Candidate Starts for D32_14:

(Start: 111 @6597 has 17 MA's), (211, 6741), (259, 6828), (270, 6855), (276, 6867), (308, 6954), (381, 7095), (413, 7155), (415, 7158), (435, 7194), (472, 7248), (493, 7296),

Gene: DBQu4n_14 Start: 6597, Stop: 7361, Start Num: 111

Candidate Starts for DBQu4n_14:

(Start: 111 @6597 has 17 MA's), (211, 6741), (259, 6828), (270, 6855), (276, 6867), (308, 6954), (352, 7068), (381, 7095), (413, 7155), (415, 7158), (435, 7194), (472, 7248), (493, 7296),

Gene: Dadosky_31 Start: 27159, Stop: 27920, Start Num: 118

Candidate Starts for Dadosky_31:

(Start: 92 @27111 has 3 MA's), (Start: 118 @27159 has 20 MA's), (Start: 134 @27171 has 1 MA's), (Start: 139 @27177 has 8 MA's), (155, 27204), (173, 27240), (Start: 207 @27300 has 2 MA's), (211, 27306), (230, 27336), (234, 27342), (238, 27351), (250, 27384), (269, 27426), (270, 27429), (276, 27441), (295, 27477), (301, 27492), (311, 27528), (354, 27627), (370, 27654), (380, 27675), (449, 27738), (461, 27762), (481, 27786), (511, 27855), (534, 27900), (537, 27909),

Gene: Daikon_34 Start: 31596, Stop: 32453, Start Num: 98

Candidate Starts for Daikon_34:

(Start: 98 @31596 has 132 MA's), (Start: 121 @31635 has 2 MA's), (144, 31665), (155, 31686), (173, 31722), (Start: 189 @31752 has 17 MA's), (234, 31827), (259, 31875), (260, 31878), (270, 31902), (271, 31905), (278, 31920), (350, 32091), (404, 32205), (411, 32220), (415, 32226), (445, 32268), (446, 32271), (481, 32325), (517, 32403), (535, 32436),

Gene: Dakiti_51 Start: 47385, Stop: 46525, Start Num: 117

Candidate Starts for Dakiti_51:

(Start: 117 @47385 has 49 MA's), (136, 47361), (Start: 168 @47307 has 2 MA's), (183, 47271), (206, 47232), (240, 47172), (246, 47154), (260, 47115), (276, 47079), (278, 47073), (338, 46902), (368, 46827), (383, 46797), (426, 46710), (459, 46635), (472, 46608), (498, 46554), (501, 46548),

Gene: DalanDe_26 Start: 21686, Stop: 22381, Start Num: 171

Candidate Starts for DalanDe_26:

(Start: 171 @21686 has 11 MA's), (Start: 215 @21746 has 1 MA's), (239, 21791), (267, 21854), (277, 21875), (294, 21908), (305, 21941), (347, 22040), (365, 22076), (377, 22100), (385, 22109), (406, 22157), (412, 22169), (418, 22178), (443, 22220), (478, 22271), (521, 22358),

Gene: Dalilpop_23 Start: 10164, Stop: 10931, Start Num: 137

Candidate Starts for Dalilpop_23:

(Start: 137 @10164 has 22 MA's), (153, 10179), (180, 10233), (Start: 215 @10269 has 1 MA's), (216, 10272), (244, 10323), (261, 10365), (355, 10593), (379, 10629), (431, 10731), (485, 10842), (488, 10848), (510, 10896), (513, 10902),

Gene: Dallas_51 Start: 42101, Stop: 42973, Start Num: 86

Candidate Starts for Dallas_51:

(Start: 86 @42101 has 31 MA's), (Start: 94 @42128 has 4 MA's), (184, 42257), (211, 42302), (226, 42323), (241, 42344), (269, 42398), (302, 42479), (421, 42758), (423, 42761), (435, 42785), (453, 42821), (460, 42836), (474, 42848), (485, 42869),

Gene: Dalmuri_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Dalmuri_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: DanSyl44_35 Start: 28507, Stop: 29298, Start Num: 102

Candidate Starts for DanSyl44_35:

(Start: 102 @28507 has 23 MA's), (Start: 134 @28540 has 1 MA's), (155, 28573), (Start: 168 @28597 has 2 MA's), (179, 28618), (184, 28627), (198, 28657), (205, 28666), (211, 28675), (234, 28711), (275, 28792), (354, 28999), (370, 29026), (380, 29047), (389, 29062), (391, 29071), (446, 29095), (481, 29149), (486, 29161), (522, 29233),

Gene: Danforth_7 Start: 4852, Stop: 5661, Start Num: 110

Candidate Starts for Danforth_7:

(Start: 110 @4852 has 51 MA's), (166, 4936), (Start: 189 @4981 has 17 MA's), (226, 5041), (254, 5107), (350, 5341), (369, 5380), (379, 5398), (394, 5431), (403, 5449), (456, 5494), (482, 5518), (539, 5647),

Gene: DartGoblin_31 Start: 26358, Stop: 27230, Start Num: 119

Candidate Starts for DartGoblin_31:

(99, 26331), (Start: 119 @26358 has 151 MA's), (Start: 134 @26370 has 1 MA's), (173, 26439), (Start: 189 @26466 has 17 MA's), (205, 26496), (211, 26505), (234, 26541), (238, 26550), (250, 26583), (301, 26691), (354, 26826), (370, 26853), (380, 26874), (391, 26898), (449, 27051), (474, 27087), (486, 27111), (534, 27210), (537, 27219),

Gene: DarthP_30 Start: 26891, Stop: 27631, Start Num: 119

Candidate Starts for DarthP_30:

(28, 26546), (76, 26792), (80, 26813), (Start: 92 @26846 has 3 MA's), (99, 26867), (Start: 119 @26891 has 151 MA's), (Start: 134 @26903 has 1 MA's), (154, 26930), (155, 26936), (205, 27020), (211, 27029), (219, 27041), (238, 27074), (250, 27107), (301, 27215), (308, 27242), (354, 27350), (370, 27377), (380, 27398), (391, 27422), (440, 27434), (445, 27443), (481, 27500), (486, 27512), (534, 27611),

Gene: Dartin_31 Start: 25850, Stop: 26611, Start Num: 119

Candidate Starts for Dartin_31:

(99, 25820), (Start: 119 @25850 has 151 MA's), (155, 25895), (173, 25931), (Start: 207 @25991 has 2 MA's), (211, 25997), (230, 26027), (234, 26033), (238, 26042), (250, 26075), (269, 26117), (295, 26168), (301, 26183), (354, 26318), (370, 26345), (380, 26366), (384, 26372), (391, 26390), (446, 26423), (449, 26429), (481, 26477), (514, 26549), (534, 26591), (537, 26600),

Gene: Deby_31 Start: 26428, Stop: 27300, Start Num: 119

Candidate Starts for Deby_31:

(33, 26098), (76, 26326), (99, 26401), (Start: 119 @26428 has 151 MA's), (Start: 134 @26440 has 1 MA's), (173, 26509), (Start: 189 @26536 has 17 MA's), (205, 26566), (211, 26575), (234, 26611), (238, 26620), (250, 26653), (259, 26671), (271, 26701), (301, 26761), (354, 26896), (370, 26923), (380, 26944), (391, 26968), (419, 27019), (449, 27121), (474, 27157), (486, 27181), (534, 27280), (537, 27289),

Gene: Demosthenes_43 Start: 46429, Stop: 45593, Start Num: 117

Candidate Starts for Demosthenes_43:

(Start: 117 @46429 has 49 MA's), (136, 46399), (173, 46333), (228, 46240), (360, 45898), (389, 45841), (393, 45829), (448, 45718), (467, 45679), (479, 45655), (481, 45649),

Gene: Denise_22 Start: 18886, Stop: 19509, Start Num: 188

Candidate Starts for Denise_22:

(Start: 188 @18886 has 13 MA's), (205, 18892), (223, 18922), (231, 18937), (259, 18997), (267, 19018), (277, 19039), (337, 19189), (373, 19252), (406, 19315), (418, 19336), (422, 19345), (503, 19477), (505, 19483), (513, 19498), (515, 19501),

Gene: Devera_31 Start: 26468, Stop: 27340, Start Num: 119

Candidate Starts for Devera_31:

(99, 26441), (Start: 119 @26468 has 151 MA's), (Start: 134 @26480 has 1 MA's), (173, 26549), (Start: 189 @26576 has 17 MA's), (205, 26606), (211, 26615), (234, 26651), (238, 26660), (250, 26693), (259, 26711), (301, 26801), (354, 26936), (370, 26963), (380, 26984), (391, 27008), (438, 27110), (449, 27161), (474, 27197), (486, 27221), (534, 27320), (537, 27329),

Gene: Diabla_53 Start: 47946, Stop: 47092, Start Num: 117

Candidate Starts for Diabla_53:

(Start: 117 @47946 has 49 MA's), (136, 47922), (Start: 168 @47868 has 2 MA's), (206, 47790), (246, 47712), (250, 47700), (276, 47637), (278, 47631), (290, 47607), (294, 47601), (338, 47466), (368, 47391), (393, 47337),

Gene: DirtyBoi_28 Start: 22441, Stop: 23142, Start Num: 125

Candidate Starts for DirtyBoi_28:

(Start: 125 @22441 has 21 MA's), (144, 22459), (Start: 187 @22534 has 7 MA's), (193, 22549), (239, 22624), (269, 22696), (284, 22723), (300, 22750), (302, 22759), (305, 22768), (340, 22843), (342, 22849), (381, 22927), (385, 22933), (473, 23056), (503, 23119),

Gene: Discoknowium_8 Start: 5463, Stop: 6272, Start Num: 110

Candidate Starts for Discoknowium_8:

(Start: 110 @5463 has 51 MA's), (155, 5526), (Start: 161 @5535 has 4 MA's), (Start: 171 @5556 has 11 MA's), (Start: 189 @5592 has 17 MA's), (219, 5640), (247, 5697), (256, 5721), (332, 5910), (350, 5952), (379, 6009), (539, 6258),

Gene: Dixon_8 Start: 4871, Stop: 5680, Start Num: 110

Candidate Starts for Dixon_8:

(Start: 110 @4871 has 51 MA's), (166, 4955), (Start: 189 @5000 has 17 MA's), (226, 5060), (254, 5126), (350, 5360), (357, 5378), (369, 5399), (379, 5417), (394, 5450), (403, 5468), (456, 5513), (482, 5537), (539, 5666),

Gene: Dmitri_27 Start: 22590, Stop: 23291, Start Num: 125

Candidate Starts for Dmitri_27:

(16, 22158), (17, 22161), (24, 22197), (30, 22218), (35, 22245), (38, 22257), (43, 22299), (63, 22407), (Start: 125 @22590 has 21 MA's), (144, 22608), (Start: 187 @22683 has 7 MA's), (193, 22698), (239, 22773), (247, 22794), (257, 22815), (269, 22845), (284, 22872), (300, 22899), (302, 22908), (305, 22917), (342, 22998), (367, 23046), (381, 23076), (385, 23082), (503, 23268),

Gene: DmpstrDiver_50 Start: 42106, Stop: 42978, Start Num: 86

Candidate Starts for DmpstrDiver_50:

(Start: 86 @42106 has 31 MA's), (Start: 94 @42133 has 4 MA's), (150, 42193), (173, 42241), (211, 42307), (226, 42328), (241, 42349), (269, 42403), (302, 42484), (421, 42763), (423, 42766), (435, 42790), (453, 42826), (460, 42841), (474, 42853), (485, 42874),

Gene: DocB7_038 Start: 38440, Stop: 37679, Start Num: 173

Candidate Starts for DocB7_038:

(104, 38557), (Start: 111 @38545 has 17 MA's), (128, 38518), (173, 38440), (213, 38365), (232, 38329), (237, 38320), (283, 38203), (293, 38182), (298, 38167), (304, 38143), (377, 37975), (390, 37951), (391, 37945), (396, 37936), (410, 37906), (428, 37870), (447, 37834), (500, 37729), (504, 37720), (523, 37690),

Gene: DoctorDiddles_35 Start: 31020, Stop: 31877, Start Num: 98

Candidate Starts for DoctorDiddles_35:

(Start: 98 @31020 has 132 MA's), (Start: 121 @31059 has 2 MA's), (144, 31089), (155, 31110), (173, 31146), (Start: 189 @31176 has 17 MA's), (234, 31251), (259, 31299), (260, 31302), (270, 31326), (271, 31329), (278, 31344), (350, 31515), (404, 31629), (409, 31638), (411, 31644), (415, 31650), (445, 31692), (446, 31695), (481, 31749), (517, 31827), (535, 31860),

Gene: Dogfish_46 Start: 35376, Stop: 36182, Start Num: 116

Candidate Starts for Dogfish_46:

(Start: 116 @35376 has 9 MA's), (157, 35439), (234, 35562), (343, 35817), (382, 35898), (387, 35907), (395, 35928), (400, 35934), (426, 35985), (458, 36039), (492, 36096), (500, 36111), (526, 36159),

Gene: Doggs_26 Start: 22233, Stop: 22934, Start Num: 127

Candidate Starts for Doggs_26:

(Start: 127 @22233 has 5 MA's), (Start: 187 @22326 has 7 MA's), (193, 22341), (221, 22386), (239, 22416), (258, 22461), (269, 22488), (270, 22491), (300, 22542), (305, 22560), (342, 22641), (381, 22719), (385, 22725), (403, 22767), (408, 22776), (473, 22848), (503, 22911),

Gene: Dole_31 Start: 26470, Stop: 27342, Start Num: 119

Candidate Starts for Dole_31:

(99, 26443), (Start: 119 @26470 has 151 MA's), (Start: 134 @26482 has 1 MA's), (173, 26551), (Start: 189 @26578 has 17 MA's), (205, 26608), (211, 26617), (234, 26653), (238, 26662), (250, 26695), (259, 26713), (301, 26803), (354, 26938), (370, 26965), (380, 26986), (391, 27010), (438, 27112), (449, 27163), (474, 27199), (486, 27223), (534, 27322), (537, 27331),

Gene: Dorin_11 Start: 5894, Stop: 5211, Start Num: 156

Candidate Starts for Dorin_11:

(Start: 156 @5894 has 2 MA's), (Start: 161 @5888 has 4 MA's), (166, 5876), (185, 5840), (191, 5825), (196, 5816), (288, 5615), (297, 5597), (308, 5561), (318, 5531), (372, 5417), (385, 5399), (411, 5348), (417, 5339), (427, 5318), (434, 5306), (439, 5297), (471, 5237),

Gene: DoubleChamp_30 Start: 27200, Stop: 27949, Start Num: 134

Candidate Starts for DoubleChamp_30:

(Start: 92 @27140 has 3 MA's), (Start: 118 @27188 has 20 MA's), (Start: 134 @27200 has 1 MA's), (136, 27203), (Start: 139 @27206 has 8 MA's), (155, 27233), (173, 27269), (Start: 207 @27329 has 2 MA's), (211, 27335), (230, 27365), (234, 27371), (238, 27380), (250, 27413), (269, 27455), (270, 27458), (276, 27470), (295, 27506), (301, 27521), (311, 27557), (354, 27656), (370, 27683), (380, 27704), (449, 27767), (461, 27791), (481, 27815), (511, 27884), (534, 27929), (537, 27938),

Gene: Dove_46 Start: 41631, Stop: 42497, Start Num: 86

Candidate Starts for Dove_46:

(Start: 86 @41631 has 31 MA's), (Start: 94 @41658 has 4 MA's), (173, 41766), (184, 41787), (211, 41832), (226, 41853), (241, 41874), (269, 41928), (289, 41979), (308, 42030), (369, 42180), (390, 42222), (413, 42273), (423, 42291), (456, 42357), (462, 42369), (474, 42378), (489, 42408), (527, 42471),

Gene: DrDrey_36 Start: 32350, Stop: 33207, Start Num: 98

Candidate Starts for DrDrey_36:

(Start: 98 @32350 has 132 MA's), (Start: 121 @32389 has 2 MA's), (144, 32419), (155, 32440), (173, 32476), (Start: 189 @32506 has 17 MA's), (234, 32581), (259, 32629), (260, 32632), (270, 32656), (271, 32659), (278, 32674), (350, 32845), (404, 32959), (411, 32974), (415, 32980), (445, 33022), (446, 33025), (481, 33079), (517, 33157), (535, 33190),

Gene: DrHayes_31 Start: 26382, Stop: 27254, Start Num: 119

Candidate Starts for DrHayes_31:

(76, 26280), (99, 26355), (Start: 119 @26382 has 151 MA's), (Start: 134 @26394 has 1 MA's), (173, 26463), (Start: 189 @26490 has 17 MA's), (205, 26520), (211, 26529), (234, 26565), (238, 26574), (250, 26607), (259, 26625), (301, 26715), (354, 26850), (370, 26877), (380, 26898), (391, 26922), (419, 26973), (449, 27075), (474, 27111), (486, 27135), (534, 27234), (537, 27243),

Gene: DropBear_10 Start: 5799, Stop: 6539, Start Num: 109

Candidate Starts for DropBear_10:

(Start: 109 @5799 has 18 MA's), (173, 5886), (211, 5943), (219, 5955), (221, 5958), (236, 5982), (244, 5997), (257, 6015), (269, 6045), (271, 6051), (276, 6060), (282, 6078), (303, 6129), (308, 6147), (333, 6219), (352, 6261), (381, 6288), (393, 6315), (413, 6348), (415, 6351), (436, 6390), (532, 6531),

Gene: Dublin_7 Start: 5322, Stop: 6131, Start Num: 110

Candidate Starts for Dublin_7:

(Start: 110 @5322 has 51 MA's), (155, 5385), (Start: 161 @5394 has 4 MA's), (Start: 189 @5451 has 17 MA's), (219, 5499), (332, 5769), (350, 5811), (379, 5868), (399, 5910), (539, 6117),

Gene: Duke13_52 Start: 42424, Stop: 43296, Start Num: 86

Candidate Starts for Duke13_52:

(Start: 86 @42424 has 31 MA's), (Start: 94 @42451 has 4 MA's), (150, 42511), (173, 42559), (211, 42625), (226, 42646), (241, 42667), (269, 42721), (302, 42802), (421, 43081), (423, 43084), (435, 43108), (453, 43144), (460, 43159), (474, 43171), (485, 43192),

Gene: Dumbo_35 Start: 31325, Stop: 32182, Start Num: 98

Candidate Starts for Dumbo_35:

(Start: 98 @31325 has 132 MA's), (Start: 121 @31364 has 2 MA's), (144, 31394), (155, 31415), (173, 31451), (Start: 189 @31481 has 17 MA's), (234, 31556), (259, 31604), (260, 31607), (270, 31631), (271, 31634), (278, 31649), (350, 31820), (404, 31934), (411, 31949), (415, 31955), (445, 31997), (446, 32000), (480, 32051), (481, 32054), (517, 32132), (535, 32165),

Gene: Duplo_14 Start: 6638, Stop: 7402, Start Num: 111

Candidate Starts for Duplo_14:

(Start: 111 @6638 has 17 MA's), (211, 6782), (259, 6869), (270, 6896), (276, 6908), (308, 6995), (352, 7109), (381, 7136), (413, 7196), (415, 7199), (435, 7235), (472, 7289), (493, 7337),

Gene: Durfee_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Durfee_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: Dusk_34 Start: 31510, Stop: 32367, Start Num: 98

Candidate Starts for Dusk_34:

(Start: 98 @31510 has 132 MA's), (Start: 121 @31549 has 2 MA's), (144, 31579), (155, 31600), (173, 31636), (Start: 189 @31666 has 17 MA's), (234, 31741), (259, 31789), (260, 31792), (270, 31816), (271, 31819), (278, 31834), (350, 32005), (404, 32119), (411, 32134), (415, 32140), (445, 32182), (446, 32185), (481, 32239), (517, 32317), (535, 32350),

Gene: E3_gp85 Start: 47322, Stop: 46429, Start Num: 91

Candidate Starts for E3_gp85:

(91, 47322), (Start: 96 @47307 has 7 MA's), (99, 47298), (133, 47247), (149, 47229), (155, 47214), (Start: 168 @47193 has 2 MA's), (229, 47088), (235, 47079), (249, 47052), (262, 47022), (268, 47007), (272, 46998), (290, 46974), (296, 46962), (332, 46857), (346, 46830), (351, 46815), (356, 46803), (366, 46785), (393, 46728), (424, 46668), (463, 46587), (493, 46500), (509, 46470), (521, 46449),

Gene: E3_gp167 Start: 114768, Stop: 115532, Start Num: 174

Candidate Starts for E3_gp167:

(82, 114585), (174, 114768), (204, 114828), (209, 114837), (230, 114873), (259, 114954), (261, 114960), (277, 114996), (325, 115125), (327, 115131), (342, 115164), (346, 115170), (377, 115248), (381, 115254), (488, 115467),

Gene: EMSquaredA_27 Start: 21910, Stop: 22626, Start Num: 125

Candidate Starts for EMSquaredA_27:

(Start: 107 @21883 has 1 MA's), (Start: 108 @21886 has 1 MA's), (Start: 125 @21910 has 21 MA's), (142, 21928), (172, 21982), (221, 22066), (243, 22105), (258, 22141), (269, 22168), (300, 22222), (305, 22240), (342, 22333), (381, 22411), (385, 22417), (497, 22594), (507, 22612),

Gene: Easy2Say_37 Start: 33108, Stop: 33965, Start Num: 98

Candidate Starts for Easy2Say_37:

(Start: 98 @33108 has 132 MA's), (Start: 121 @33147 has 2 MA's), (144, 33177), (155, 33198), (173, 33234), (Start: 189 @33264 has 17 MA's), (234, 33339), (259, 33387), (260, 33390), (270, 33414), (271, 33417), (278, 33432), (350, 33603), (404, 33717), (411, 33732), (415, 33738), (445, 33780), (446, 33783), (481, 33837), (517, 33915), (535, 33948),

Gene: Ebert_24 Start: 19798, Stop: 20505, Start Num: 126

Candidate Starts for Ebert_24:

(69, 19654), (Start: 126 @19798 has 32 MA's), (165, 19855), (Start: 187 @19894 has 7 MA's), (217, 19945), (221, 19954), (232, 19972), (234, 19975), (258, 20029), (259, 20032), (273, 20065), (284, 20083), (300, 20110), (329, 20188), (367, 20257), (369, 20263), (381, 20287), (385, 20293), (509, 20497),

Gene: Ecliptus_31 Start: 23080, Stop: 23703, Start Num: 199

Candidate Starts for Ecliptus_31:

(Start: 199 @23080 has 1 MA's), (205, 23086), (223, 23116), (231, 23131), (308, 23311), (337, 23383), (363, 23434), (373, 23446), (397, 23491), (406, 23509), (418, 23530), (422, 23539), (503, 23671),

Gene: EdnaMode_23 Start: 18707, Stop: 19408, Start Num: 126

Candidate Starts for EdnaMode_23:

(112, 18689), (115, 18692), (Start: 126 @18707 has 32 MA's), (Start: 187 @18800 has 7 MA's), (193, 18815), (217, 18851), (257, 18932), (270, 18965), (273, 18971), (300, 19016), (311, 19055), (381, 19193), (385, 19199), (394, 19223), (401, 19238), (509, 19400),

Gene: Edugator_30 Start: 27158, Stop: 27919, Start Num: 118

Candidate Starts for Edugator_30:

(Start: 92 @27110 has 3 MA's), (Start: 118 @27158 has 20 MA's), (Start: 134 @27170 has 1 MA's), (Start: 139 @27176 has 8 MA's), (155, 27203), (173, 27239), (Start: 207 @27299 has 2 MA's), (211, 27305), (230, 27335), (234, 27341), (238, 27350), (250, 27383), (269, 27425), (270, 27428), (276, 27440), (295, 27476), (301, 27491), (311, 27527), (354, 27626), (370, 27653), (380, 27674), (449, 27737), (461, 27761), (481, 27785), (511, 27854), (534, 27899), (537, 27908),

Gene: Efra2_31 Start: 25702, Stop: 26571, Start Num: 119

Candidate Starts for Efra2_31:

(Start: 92 @25654 has 3 MA's), (99, 25675), (Start: 119 @25702 has 151 MA's), (Start: 134 @25714 has 1 MA's), (154, 25741), (155, 25747), (Start: 171 @25777 has 11 MA's), (173, 25783), (211, 25846), (234, 25882), (238, 25891), (250, 25924), (271, 25972), (303, 26041), (370, 26194), (380, 26215), (391, 26239), (400, 26257), (410, 26278), (433, 26317), (449, 26392), (519, 26521), (534, 26551), (537, 26560),

Gene: Eggsie_48 Start: 45908, Stop: 45054, Start Num: 117

Candidate Starts for Eggsie_48:

(Start: 117 @45908 has 49 MA's), (136, 45884), (Start: 168 @45830 has 2 MA's), (173, 45818), (206, 45752), (246, 45674), (260, 45635), (276, 45599), (278, 45593), (281, 45584), (338, 45428), (368, 45353), (383, 45323), (393, 45299), (411, 45263),

Gene: Ejimix_49 Start: 43361, Stop: 44233, Start Num: 86

Candidate Starts for Ejimix_49:

(Start: 86 @43361 has 31 MA's), (Start: 94 @43388 has 4 MA's), (150, 43448), (173, 43496), (211, 43562), (226, 43583), (241, 43604), (269, 43658), (302, 43739), (421, 44018), (423, 44021), (435, 44045), (453, 44081), (460, 44096), (474, 44108), (485, 44129),

Gene: Ekdilam_28 Start: 26650, Stop: 27390, Start Num: 119

Candidate Starts for Ekdilam_28:

(76, 26551), (80, 26572), (Start: 92 @26605 has 3 MA's), (99, 26626), (Start: 119 @26650 has 151 MA's), (Start: 134 @26662 has 1 MA's), (155, 26695), (205, 26779), (211, 26788), (219, 26800), (238, 26833), (250, 26866), (301, 26974), (308, 27001), (370, 27136), (380, 27157), (391, 27181), (440, 27193), (445, 27202), (481, 27259), (486, 27271), (519, 27340), (534, 27370),

Gene: Ekhein_50 Start: 45713, Stop: 44856, Start Num: 117

Candidate Starts for Ekhein_50:

(Start: 117 @45713 has 49 MA's), (136, 45689), (Start: 161 @45650 has 4 MA's), (Start: 168 @45635 has 2 MA's), (183, 45599), (206, 45560), (240, 45500), (246, 45482), (260, 45443), (276, 45407), (278, 45401), (338, 45230), (368, 45155), (383, 45125), (426, 45038), (459, 44963), (472, 44936), (501, 44876),

Gene: ElTiger69_8 Start: 5180, Stop: 5989, Start Num: 110

Candidate Starts for ElTiger69_8:

(Start: 110 @5180 has 51 MA's), (145, 5225), (Start: 189 @5309 has 17 MA's), (195, 5324), (219, 5357), (332, 5627), (350, 5669), (369, 5708), (379, 5726), (393, 5756), (534, 5954),

Gene: Elite2014_34 Start: 31065, Stop: 31922, Start Num: 98

Candidate Starts for Elite2014_34:

(Start: 98 @31065 has 132 MA's), (Start: 121 @31104 has 2 MA's), (144, 31134), (155, 31155), (173, 31191), (Start: 189 @31221 has 17 MA's), (234, 31296), (259, 31344), (260, 31347), (270, 31371), (271, 31374), (278, 31389), (350, 31560), (404, 31674), (411, 31689), (415, 31695), (445, 31737), (446, 31740), (481, 31794), (517, 31872), (535, 31905),

Gene: Ellie_28 Start: 26652, Stop: 27389, Start Num: 119

Candidate Starts for Ellie_28:

(76, 26541), (80, 26562), (Start: 92 @26601 has 3 MA's), (99, 26622), (Start: 119 @26652 has 151 MA's), (Start: 134 @26664 has 1 MA's), (155, 26697), (173, 26733), (205, 26781), (211, 26790), (219, 26802), (234, 26826), (250, 26868), (301, 26976), (308, 27003), (349, 27090), (354, 27108), (364, 27123), (370, 27135), (380, 27156), (391, 27180), (440, 27192), (445, 27201), (449, 27210), (481, 27258), (534, 27369), (536, 27378),

Gene: Elph10_36 Start: 31328, Stop: 32185, Start Num: 98

Candidate Starts for Elph10_36:

(Start: 98 @31328 has 132 MA's), (Start: 121 @31367 has 2 MA's), (144, 31397), (155, 31418), (173, 31454), (Start: 189 @31484 has 17 MA's), (234, 31559), (259, 31607), (260, 31610), (270, 31634), (271, 31637), (278, 31652), (350, 31823), (404, 31937), (411, 31952), (415, 31958), (445, 32000), (446, 32003), (481, 32057), (517, 32135), (535, 32168),

Gene: Emerson_31 Start: 26454, Stop: 27326, Start Num: 119

Candidate Starts for Emerson_31:

(99, 26427), (Start: 119 @26454 has 151 MA's), (Start: 134 @26466 has 1 MA's), (173, 26535), (Start: 189 @26562 has 17 MA's), (205, 26592), (211, 26601), (234, 26637), (238, 26646), (250, 26679), (259, 26697), (271, 26727), (300, 26784), (301, 26787), (354, 26922), (370, 26949), (380, 26970), (391, 26994), (419, 27045), (449, 27147), (474, 27183), (508, 27255), (534, 27306), (537, 27315),

Gene: Emianna_19 Start: 9384, Stop: 10109, Start Num: 137

Candidate Starts for Emianna_19:

(Start: 137 @9384 has 22 MA's), (160, 9408), (175, 9441), (216, 9444), (238, 9480), (244, 9495), (261, 9537), (321, 9684), (416, 9876), (466, 9978), (478, 10008), (488, 10029), (493, 10044), (525, 10104),

Gene: Emmina_36 Start: 31686, Stop: 32543, Start Num: 98

Candidate Starts for Emmina_36:

(Start: 98 @31686 has 132 MA's), (Start: 121 @31725 has 2 MA's), (144, 31755), (155, 31776), (173, 31812), (Start: 189 @31842 has 17 MA's), (234, 31917), (259, 31965), (260, 31968), (270, 31992), (271, 31995), (278, 32010), (350, 32181), (404, 32295), (411, 32310), (415, 32316), (445, 32358), (446, 32361), (481, 32415), (517, 32493), (535, 32526),

Gene: EmoNemo_30 Start: 21568, Stop: 22266, Start Num: 171

Candidate Starts for EmoNemo_30:

(Start: 162 @21550 has 1 MA's), (Start: 171 @21568 has 11 MA's), (Start: 215 @21631 has 1 MA's), (234, 21667), (263, 21727), (267, 21739), (277, 21760), (294, 21793), (304, 21823), (305, 21826), (311, 21847), (312, 21853), (316, 21859), (324, 21880), (377, 21985), (385, 21994), (418, 22063), (420, 22069), (443, 22105), (451, 22117), (478, 22156), (488, 22177), (524, 22246), (529, 22258), (531, 22261),

Gene: Emperor_4 Start: 2151, Stop: 2993, Start Num: 100

Candidate Starts for Emperor_4:

(Start: 100 @2151 has 4 MA's), (155, 2229), (Start: 162 @2241 has 1 MA's), (178, 2274), (234, 2370), (237, 2376), (244, 2394), (259, 2430), (397, 2745), (484, 2880),

Gene: EnalisNailo_27 Start: 22059, Stop: 22775, Start Num: 125

Candidate Starts for EnalisNailo_27:

(Start: 107 @22032 has 1 MA's), (Start: 108 @22035 has 1 MA's), (Start: 125 @22059 has 21 MA's), (142, 22077), (172, 22131), (221, 22215), (243, 22254), (258, 22290), (269, 22317), (300, 22371), (305, 22389), (342, 22482), (381, 22560), (385, 22566), (497, 22743), (507, 22761),

Gene: Enkosi_27 Start: 25978, Stop: 26736, Start Num: 118

Candidate Starts for Enkosi_27:

(76, 25876), (Start: 92 @25930 has 3 MA's), (99, 25951), (Start: 118 @25978 has 20 MA's), (155, 26023), (173, 26059), (Start: 207 @26119 has 2 MA's), (211, 26125), (230, 26155), (250, 26203), (269, 26245), (301, 26311), (311, 26347), (354, 26446), (370, 26473), (380, 26494), (384, 26500), (440, 26539), (446, 26551), (449, 26557), (461, 26581), (481, 26605), (534, 26716), (537, 26725),

Gene: Ennea_24 Start: 10528, Stop: 11301, Start Num: 137

Candidate Starts for Ennea_24:

(Start: 137 @10528 has 22 MA's), (Start: 215 @10636 has 1 MA's), (216, 10639), (244, 10690), (261, 10732), (308, 10846), (328, 10900), (488, 11221), (513, 11275),

Gene: EpicDab_7 Start: 4348, Stop: 5202, Start Num: 100

Candidate Starts for EpicDab_7:

(41, 4075), (72, 4246), (85, 4297), (Start: 100 @4348 has 4 MA's), (155, 4426), (158, 4429), (234, 4567), (237, 4573), (244, 4591), (259, 4627), (276, 4666), (289, 4693), (348, 4834), (369, 4885), (393, 4936), (397, 4945), (421, 4993), (483, 5083),

Gene: Eponine_34 Start: 28394, Stop: 29185, Start Num: 102

Candidate Starts for Eponine_34:

(Start: 102 @28394 has 23 MA's), (Start: 134 @28427 has 1 MA's), (155, 28460), (Start: 168 @28484 has 2 MA's), (179, 28505), (184, 28514), (198, 28544), (205, 28553), (211, 28562), (234, 28598), (275, 28679), (354, 28886), (370, 28913), (380, 28934), (389, 28949), (391, 28958), (446, 28982), (481, 29036), (486, 29048), (522, 29120),

Gene: EricMillard_49 Start: 42862, Stop: 43734, Start Num: 86

Candidate Starts for EricMillard_49:

(Start: 86 @42862 has 31 MA's), (Start: 94 @42889 has 4 MA's), (150, 42949), (173, 42997), (211, 43063), (226, 43084), (241, 43105), (269, 43159), (302, 43240), (421, 43519), (423, 43522), (435, 43546), (453, 43582), (460, 43597), (474, 43609), (485, 43630),

Gene: Eudoria_27 Start: 22303, Stop: 22923, Start Num: 189

Candidate Starts for Eudoria_27:

(50, 21928), (80, 22099), (81, 22102), (113, 22183), (Start: 125 @22204 has 21 MA's), (Start: 189 @22303 has 17 MA's), (205, 22312), (231, 22357), (267, 22438), (308, 22537), (322, 22573), (347, 22624), (373, 22672), (406, 22735), (422, 22765), (454, 22816), (488, 22867), (503, 22894),

Gene: Eureka_35 Start: 31841, Stop: 32698, Start Num: 98

Candidate Starts for Eureka_35:

(Start: 98 @31841 has 132 MA's), (Start: 121 @31880 has 2 MA's), (144, 31910), (155, 31931), (173, 31967), (Start: 189 @31997 has 17 MA's), (234, 32072), (259, 32120), (260, 32123), (270, 32147), (271, 32150), (278, 32165), (350, 32336), (404, 32450), (411, 32465), (415, 32471), (445, 32513), (446, 32516), (481, 32570), (517, 32648), (535, 32681),

Gene: Evaa_42 Start: 36118, Stop: 36834, Start Num: 131

Candidate Starts for Evaa_42:

(20, 35704), (Start: 131 @36118 has 21 MA's), (163, 36172), (193, 36226), (221, 36271), (247, 36322), (248, 36325), (251, 36334), (258, 36346), (273, 36382), (305, 36454), (345, 36547), (369, 36595), (371, 36598), (381, 36619), (497, 36802),

Gene: Eviarto_25 Start: 22309, Stop: 22926, Start Num: 188

Candidate Starts for Eviarto_25:

(Start: 125 @22210 has 21 MA's), (159, 22249), (176, 22282), (Start: 188 @22309 has 13 MA's), (Start: 207 @22318 has 2 MA's), (231, 22360), (238, 22372), (259, 22420), (267, 22441), (277, 22462), (294, 22495), (296, 22498), (308, 22540), (322, 22576), (347, 22627), (373, 22675), (406, 22738), (422, 22768), (454, 22819), (503, 22897),

Gene: Ewald_46 Start: 35188, Stop: 35994, Start Num: 116

Candidate Starts for Ewald_46:

(Start: 116 @35188 has 9 MA's), (157, 35251), (209, 35341), (245, 35401), (279, 35473), (283, 35479), (285, 35482), (343, 35629), (380, 35707), (382, 35710), (395, 35740), (400, 35746), (426, 35797), (500, 35923), (526, 35971),

Gene: Exiguo_49 Start: 45725, Stop: 44868, Start Num: 117

Candidate Starts for Exiguo_49:

(Start: 117 @45725 has 49 MA's), (136, 45701), (Start: 161 @45662 has 4 MA's), (Start: 168 @45647 has 2 MA's), (183, 45611), (206, 45572), (240, 45512), (246, 45494), (260, 45455), (276, 45419), (278, 45413), (338, 45242), (368, 45167), (383, 45137), (426, 45050), (459, 44975), (472, 44948), (501, 44888),

Gene: Expelliarmus_7 Start: 4838, Stop: 5647, Start Num: 110

Candidate Starts for Expelliarmus_7:

(Start: 110 @4838 has 51 MA's), (166, 4922), (Start: 189 @4967 has 17 MA's), (226, 5027), (254, 5093), (350, 5327), (369, 5366), (379, 5384), (394, 5417), (403, 5435), (456, 5480), (482, 5504), (539, 5633),

Gene: Eyes_26 Start: 21433, Stop: 22146, Start Num: 131

Candidate Starts for Eyes_26:

(95, 21376), (Start: 131 @21433 has 21 MA's), (Start: 187 @21526 has 7 MA's), (193, 21541), (221, 21586), (247, 21637), (259, 21664), (269, 21688), (302, 21751), (305, 21760), (374, 21910), (381, 21922), (385, 21928), (489, 22093),

Gene: Eyre_23 Start: 19537, Stop: 20265, Start Num: 125

Candidate Starts for Eyre_23:

(27, 19162), (59, 19333), (60, 19336), (75, 19417), (79, 19438), (Start: 125 @19537 has 21 MA's), (Start: 187 @19636 has 7 MA's), (193, 19651), (221, 19696), (269, 19798), (300, 19852), (305, 19870), (381, 20038), (385, 20044), (450, 20146), (489, 20209),

Gene: Fairfaxidum_25 Start: 21557, Stop: 22270, Start Num: 125

Candidate Starts for Fairfaxidum_25:

(Start: 116 @21542 has 9 MA's), (Start: 125 @21557 has 21 MA's), (136, 21569), (Start: 139 @21572 has 8 MA's), (142, 21575), (204, 21683), (221, 21713), (239, 21743), (258, 21788), (277, 21833), (300, 21875), (305, 21893), (342, 21980), (346, 21986), (371, 22037), (381, 22058), (385, 22064), (401, 22103), (408, 22115), (473, 22187), (503, 22250),

Gene: FairyPath_35 Start: 32053, Stop: 32910, Start Num: 98

Candidate Starts for FairyPath_35:

(Start: 98 @32053 has 132 MA's), (Start: 121 @32092 has 2 MA's), (144, 32122), (155, 32143), (173, 32179), (Start: 189 @32209 has 17 MA's), (234, 32284), (259, 32332), (260, 32335), (270, 32359), (271, 32362), (278, 32377), (350, 32548), (404, 32662), (411, 32677), (415, 32683), (445, 32725), (446, 32728), (481, 32782), (517, 32860), (535, 32893),

Gene: Faith5x5_23 Start: 18643, Stop: 19344, Start Num: 125

Candidate Starts for Faith5x5_23:

(Start: 125 @18643 has 21 MA's), (172, 18709), (Start: 187 @18733 has 7 MA's), (204, 18763), (221, 18793), (243, 18832), (247, 18844), (259, 18871), (269, 18895), (270, 18898), (301, 18952), (302, 18958), (305, 18967), (329, 19030), (340, 19045), (342, 19051), (367, 19099), (376, 19120), (381, 19129), (385, 19135), (408, 19186), (450, 19225), (456, 19237), (497, 19312), (509, 19333), (510, 19336),

Gene: Farrylious_29 Start: 21321, Stop: 22019, Start Num: 171

Candidate Starts for Farrylious_29:

(Start: 162 @21303 has 1 MA's), (Start: 171 @21321 has 11 MA's), (Start: 215 @21384 has 1 MA's), (234, 21420), (263, 21480), (267, 21492), (277, 21513), (294, 21546), (304, 21576), (305, 21579), (311, 21600), (312, 21606), (316, 21612), (324, 21633), (377, 21738), (385, 21747), (418, 21816), (420, 21822), (443, 21858), (451, 21870), (478, 21909), (488, 21930), (524, 21999), (529, 22011), (531, 22014),

Gene: Fefferhead_30 Start: 26852, Stop: 27589, Start Num: 119

Candidate Starts for Fefferhead_30:

(76, 26741), (80, 26762), (Start: 92 @26801 has 3 MA's), (99, 26822), (Start: 119 @26852 has 151 MA's), (Start: 134 @26864 has 1 MA's), (155, 26897), (173, 26933), (205, 26981), (211, 26990), (234, 27026), (250, 27068), (301, 27176), (308, 27203), (349, 27290), (354, 27308), (370, 27335), (380, 27356), (391, 27380), (440, 27392), (445, 27401), (449, 27410), (481, 27458), (534, 27569), (536, 27578),

Gene: FelixAlejandro_54 Start: 48219, Stop: 47365, Start Num: 117

Candidate Starts for FelixAlejandro_54:

(45, 48486), (51, 48462), (Start: 117 @48219 has 49 MA's), (136, 48195), (Start: 168 @48141 has 2 MA's), (206, 48066), (240, 48006), (246, 47988), (253, 47964), (260, 47949), (276, 47913), (278, 47907), (338, 47739), (358, 47688), (359, 47682), (368, 47664), (426, 47547), (459, 47472), (472, 47445), (477, 47436), (501, 47385),

Gene: FelixTres_45 Start: 37556, Stop: 38278, Start Num: 131

Candidate Starts for FelixTres_45:

(64, 37370), (Start: 131 @37556 has 21 MA's), (186, 37649), (224, 37718), (241, 37745), (243, 37751), (286, 37841), (332, 37949), (341, 37961), (367, 38012), (381, 38042), (394, 38072), (401, 38087),

Gene: Feyre_30 Start: 26964, Stop: 27836, Start Num: 119

Candidate Starts for Feyre_30:

(Start: 119 @26964 has 151 MA's), (Start: 134 @26976 has 1 MA's), (Start: 139 @26982 has 8 MA's), (155, 27009), (Start: 171 @27039 has 11 MA's), (173, 27045), (205, 27099), (211, 27108), (219,

27120), (238, 27153), (250, 27186), (271, 27234), (370, 27456), (378, 27474), (380, 27477), (409, 27537), (419, 27555), (433, 27582), (449, 27654), (456, 27669), (474, 27690), (476, 27693), (486, 27714), (533, 27807), (534, 27816), (537, 27825),

Gene: Filch_36 Start: 31616, Stop: 32473, Start Num: 98

Candidate Starts for Filch_36:

(Start: 98 @31616 has 132 MA's), (Start: 121 @31655 has 2 MA's), (144, 31685), (155, 31706), (173, 31742), (Start: 189 @31772 has 17 MA's), (234, 31847), (259, 31895), (260, 31898), (270, 31922), (271, 31925), (278, 31940), (350, 32111), (404, 32225), (411, 32240), (415, 32246), (445, 32288), (446, 32291), (481, 32345), (517, 32423), (535, 32456),

Gene: Fionnbharth_32 Start: 27630, Stop: 28421, Start Num: 102

Candidate Starts for Fionnbharth_32:

(Start: 102 @27630 has 23 MA's), (Start: 134 @27663 has 1 MA's), (155, 27696), (Start: 168 @27720 has 2 MA's), (179, 27741), (205, 27789), (211, 27798), (234, 27834), (275, 27915), (354, 28122), (370, 28149), (372, 28155), (380, 28170), (391, 28194), (446, 28218), (456, 28239), (481, 28272), (486, 28284), (522, 28356),

Gene: FireRed_35 Start: 31886, Stop: 32743, Start Num: 98

Candidate Starts for FireRed_35:

(Start: 98 @31886 has 132 MA's), (Start: 121 @31925 has 2 MA's), (144, 31955), (155, 31976), (173, 32012), (Start: 189 @32042 has 17 MA's), (234, 32117), (259, 32165), (260, 32168), (270, 32192), (271, 32195), (278, 32210), (350, 32381), (397, 32480), (404, 32495), (411, 32510), (415, 32516), (445, 32558), (446, 32561), (481, 32615), (517, 32693), (535, 32726),

Gene: Flakey_49 Start: 46589, Stop: 45732, Start Num: 117

Candidate Starts for Flakey_49:

(Start: 117 @46589 has 49 MA's), (136, 46565), (Start: 161 @46526 has 4 MA's), (Start: 168 @46511 has 2 MA's), (183, 46475), (206, 46436), (240, 46376), (246, 46358), (260, 46319), (276, 46283), (278, 46277), (338, 46106), (368, 46031), (383, 46001), (426, 45914), (459, 45839), (472, 45812), (501, 45752),

Gene: Flapper_22 Start: 9234, Stop: 10004, Start Num: 137

Candidate Starts for Flapper_22:

(Start: 137 @9234 has 22 MA's), (153, 9252), (Start: 215 @9342 has 1 MA's), (244, 9396), (261, 9438), (355, 9666), (377, 9699), (379, 9702), (488, 9921), (513, 9975),

Gene: Float294_20 Start: 9077, Stop: 9850, Start Num: 137

Candidate Starts for Float294_20:

(Start: 137 @9077 has 22 MA's), (Start: 215 @9185 has 1 MA's), (216, 9188), (244, 9239), (261, 9281), (308, 9395), (328, 9449), (397, 9581), (488, 9770), (513, 9824),

Gene: Floral_27 Start: 21910, Stop: 22626, Start Num: 125

Candidate Starts for Floral_27:

(Start: 107 @21883 has 1 MA's), (Start: 108 @21886 has 1 MA's), (Start: 125 @21910 has 21 MA's), (142, 21928), (172, 21982), (221, 22066), (243, 22105), (258, 22141), (269, 22168), (300, 22222), (305, 22240), (342, 22333), (381, 22411), (385, 22417), (497, 22594), (507, 22612),

Gene: Florence1_8 Start: 5215, Stop: 5952, Start Num: 161

Candidate Starts for Florence1_8:

(Start: 92 @5101 has 3 MA's), (Start: 110 @5143 has 51 MA's), (Start: 161 @5215 has 4 MA's), (Start: 189 @5272 has 17 MA's), (219, 5320), (256, 5401), (332, 5590), (350, 5632), (379, 5689),

Gene: Florence4_9 Start: 5143, Stop: 5952, Start Num: 110

Candidate Starts for Florence4_9:

(Start: 92 @5101 has 3 MA's), (Start: 110 @5143 has 51 MA's), (Start: 161 @5215 has 4 MA's), (Start: 189 @5272 has 17 MA's), (219, 5320), (256, 5401), (332, 5590), (350, 5632), (379, 5689),

Gene: FlyCatcher_14 Start: 7534, Stop: 8301, Start Num: 119

Candidate Starts for FlyCatcher_14:

(87, 7486), (Start: 119 @7534 has 151 MA's), (150, 7570), (211, 7675), (259, 7747), (270, 7774), (276, 7786), (282, 7804), (308, 7873), (329, 7936), (352, 7987), (381, 8014), (393, 8041), (415, 8077), (445, 8125), (472, 8167),

Gene: FlyingTortilla_30 Start: 24461, Stop: 25141, Start Num: 171

Candidate Starts for FlyingTortilla_30:

(Start: 171 @24461 has 11 MA's), (Start: 215 @24518 has 1 MA's), (277, 24635), (294, 24668), (304, 24698), (305, 24701), (311, 24722), (312, 24728), (321, 24746), (328, 24767), (365, 24836), (377, 24860), (389, 24878), (397, 24899), (451, 24992), (454, 25001), (488, 25052), (524, 25121), (531, 25136),

Gene: Flypotenuse_33 Start: 31454, Stop: 32311, Start Num: 98

Candidate Starts for Flypotenuse_33:

(Start: 98 @31454 has 132 MA's), (Start: 121 @31493 has 2 MA's), (144, 31523), (155, 31544), (173, 31580), (Start: 189 @31610 has 17 MA's), (234, 31685), (259, 31733), (260, 31736), (270, 31760), (271, 31763), (278, 31778), (350, 31949), (404, 32063), (411, 32078), (415, 32084), (445, 32126), (446, 32129), (481, 32183), (517, 32261), (535, 32294),

Gene: FoghornLeghorn_34 Start: 31362, Stop: 32219, Start Num: 98

Candidate Starts for FoghornLeghorn_34:

(Start: 98 @31362 has 132 MA's), (Start: 121 @31401 has 2 MA's), (144, 31431), (155, 31452), (173, 31488), (Start: 189 @31518 has 17 MA's), (234, 31593), (259, 31641), (260, 31644), (270, 31668), (271, 31671), (278, 31686), (350, 31857), (397, 31956), (404, 31971), (411, 31986), (415, 31992), (445, 32034), (446, 32037), (481, 32091), (517, 32169), (535, 32202),

Gene: ForGetIt_8 Start: 5199, Stop: 6008, Start Num: 110

Candidate Starts for ForGetIt_8:

(Start: 110 @5199 has 51 MA's), (155, 5262), (Start: 161 @5271 has 4 MA's), (Start: 171 @5292 has 11 MA's), (Start: 189 @5328 has 17 MA's), (219, 5376), (247, 5433), (256, 5457), (350, 5688), (379, 5745), (539, 5994),

Gene: ForesterFrank_12 Start: 8169, Stop: 8933, Start Num: 111

Candidate Starts for ForesterFrank_12:

(Start: 111 @8169 has 17 MA's), (211, 8313), (259, 8400), (269, 8424), (276, 8439), (282, 8457), (308, 8526), (329, 8589), (344, 8619), (381, 8667), (393, 8694), (404, 8709), (413, 8727), (415, 8730), (435, 8766),

Gene: Fowlmouth_34 Start: 30830, Stop: 31756, Start Num: 94

Candidate Starts for Fowlmouth_34:

(93, 30824), (Start: 94 @30830 has 4 MA's), (103, 30851), (Start: 107 @30857 has 1 MA's), (120, 30881), (148, 30917), (157, 30935), (170, 30962), (182, 30989), (192, 31010), (228, 31070), (240, 31091), (285, 31208), (298, 31241), (315, 31307), (349, 31388), (389, 31475), (397, 31496), (405, 31511), (407, 31514), (427, 31556), (429, 31559),

Gene: Foxboro_20 Start: 9744, Stop: 10469, Start Num: 137

Candidate Starts for Foxboro_20:

(Start: 137 @9744 has 22 MA's), (160, 9768), (175, 9801), (216, 9804), (238, 9840), (244, 9855), (261, 9897), (321, 10044), (416, 10236), (466, 10338), (478, 10368), (488, 10389), (493, 10404), (525, 10464),

Gene: Francesca_10 Start: 6016, Stop: 5336, Start Num: 156

Candidate Starts for Francesca_10:

(Start: 156 @6016 has 2 MA's), (Start: 161 @6010 has 4 MA's), (166, 5998), (185, 5962), (191, 5947), (196, 5938), (288, 5737), (297, 5719), (308, 5683), (318, 5653), (372, 5539), (385, 5521), (389, 5512), (417, 5461), (427, 5440), (434, 5428), (439, 5419),

Gene: Fred313_10 Start: 5440, Stop: 6180, Start Num: 109

Candidate Starts for Fred313_10:

(Start: 109 @5440 has 18 MA's), (173, 5527), (211, 5584), (219, 5596), (221, 5599), (236, 5623), (244, 5638), (269, 5686), (271, 5692), (282, 5719), (308, 5788), (333, 5860), (352, 5902), (381, 5929), (393, 5956), (413, 5989), (415, 5992), (436, 6031), (532, 6172),

Gene: Fresco_42 Start: 35273, Stop: 35995, Start Num: 126

Candidate Starts for Fresco_42:

(18, 34883), (55, 35060), (73, 35168), (Start: 126 @35273 has 32 MA's), (224, 35435), (247, 35480), (273, 35543), (284, 35561), (300, 35588), (329, 35666), (331, 35669), (367, 35738), (381, 35768), (385, 35774), (499, 35963),

Gene: Frickyeah_27 Start: 21264, Stop: 21887, Start Num: 201

Candidate Starts for Frickyeah_27:

(53, 20889), (61, 20946), (68, 20991), (80, 21045), (81, 21048), (Start: 92 @21084 has 3 MA's), (113, 21129), (114, 21132), (Start: 201 @21264 has 28 MA's), (205, 21270), (223, 21300), (231, 21315), (259, 21375), (297, 21456), (308, 21495), (337, 21567), (373, 21630), (397, 21675), (406, 21693), (418, 21714), (422, 21723), (503, 21855), (507, 21864), (513, 21876),

Gene: FroggyToad_24 Start: 19863, Stop: 20570, Start Num: 126

Candidate Starts for FroggyToad_24:

(69, 19719), (Start: 126 @19863 has 32 MA's), (165, 19920), (Start: 187 @19959 has 7 MA's), (221, 20019), (232, 20037), (234, 20040), (258, 20094), (259, 20097), (273, 20130), (284, 20148), (286, 20151), (329, 20253), (367, 20322), (381, 20352), (385, 20358), (509, 20562),

Gene: FruityLoops_29 Start: 24464, Stop: 25144, Start Num: 171

Candidate Starts for FruityLoops_29:

(Start: 171 @24464 has 11 MA's), (Start: 215 @24521 has 1 MA's), (277, 24638), (294, 24671), (304, 24701), (305, 24704), (311, 24725), (312, 24731), (321, 24749), (328, 24770), (377, 24863), (389, 24881), (397, 24902), (451, 24995), (454, 25004), (457, 25010), (488, 25055), (524, 25124), (531, 25139),

Gene: Fury_25 Start: 9669, Stop: 10463, Start Num: 127

Candidate Starts for Fury_25:

(62, 9471), (Start: 127 @9669 has 5 MA's), (Start: 215 @9798 has 1 MA's), (216, 9801), (244, 9858), (261, 9900), (308, 10014), (312, 10029), (321, 10047), (337, 10083), (374, 10152), (377, 10158), (418, 10236), (422, 10245), (448, 10299), (478, 10359),

Gene: GAL1_26 Start: 21339, Stop: 22043, Start Num: 125

Candidate Starts for GAL1_26:

(Start: 125 @21339 has 21 MA's), (130, 21345), (172, 21411), (Start: 187 @21435 has 7 MA's), (204, 21465), (221, 21495), (243, 21534), (269, 21597), (302, 21660), (305, 21669), (338, 21744), (340, 21747), (342, 21753), (367, 21801), (381, 21831), (385, 21837), (456, 21939), (473, 21960), (503,

22023),

Gene: GEazy_26 Start: 21448, Stop: 22167, Start Num: 131

Candidate Starts for GEazy_26:

(95, 21391), (Start: 131 @21448 has 21 MA's), (Start: 187 @21541 has 7 MA's), (193, 21556), (221, 21601), (247, 21652), (259, 21679), (269, 21703), (302, 21766), (305, 21775), (381, 21937), (385, 21943),

Gene: GMA5_15 Start: 12085, Stop: 12933, Start Num: 100

Candidate Starts for GMA5_15:

(15, 11686), (26, 11743), (29, 11749), (Start: 100 @12085 has 4 MA's), (155, 12163), (178, 12208), (237, 12310), (320, 12511), (354, 12583), (369, 12616), (397, 12676), (400, 12682), (506, 12865),

Gene: GMA6_16 Start: 13599, Stop: 14291, Start Num: 169

Candidate Starts for GMA6_16:

(169, 13599), (Start: 215 @13659 has 1 MA's), (220, 13671), (227, 13683), (234, 13695), (245, 13716), (259, 13749), (277, 13791), (294, 13824), (324, 13911), (377, 14013), (414, 14085), (443, 14133), (486, 14205), (503, 14241), (528, 14286),

Gene: GMA7_41 Start: 40896, Stop: 39997, Start Num: 117

Candidate Starts for GMA7_41:

(57, 41103), (67, 41037), (Start: 117 @40896 has 49 MA's), (136, 40869), (165, 40821), (203, 40755), (206, 40749), (257, 40632), (259, 40626), (277, 40584), (300, 40524), (338, 40404), (361, 40341), (389, 40287), (398, 40266), (454, 40155),

Gene: GRU1_9 Start: 2330, Stop: 3097, Start Num: 137

Candidate Starts for GRU1_9:

(135, 2327), (Start: 137 @2330 has 22 MA's), (153, 2345), (Start: 215 @2435 has 1 MA's), (216, 2438), (244, 2489), (261, 2531), (297, 2606), (355, 2759), (377, 2792), (379, 2795), (431, 2897), (485, 3008), (488, 3014), (510, 3062), (513, 3068),

Gene: GRU3_15 Start: 12090, Stop: 12938, Start Num: 100

Candidate Starts for GRU3_15:

(Start: 100 @12090 has 4 MA's), (155, 12168), (178, 12213), (237, 12315), (393, 12672), (397, 12681), (458, 12783), (506, 12870),

Gene: GTE5_9 Start: 2331, Stop: 3101, Start Num: 137

Candidate Starts for GTE5_9:

(Start: 137 @2331 has 22 MA's), (153, 2349), (Start: 215 @2439 has 1 MA's), (244, 2493), (261, 2535), (355, 2763), (377, 2796), (379, 2799), (485, 3012), (488, 3018), (510, 3066), (513, 3072),

Gene: GTE7_40 Start: 40927, Stop: 40028, Start Num: 117

Candidate Starts for GTE7_40:

(57, 41134), (67, 41068), (Start: 117 @40927 has 49 MA's), (136, 40900), (165, 40852), (203, 40786), (206, 40780), (257, 40663), (259, 40657), (277, 40615), (300, 40555), (338, 40435), (361, 40372), (389, 40318), (398, 40297), (454, 40186),

Gene: GTE8_7 Start: 2259, Stop: 2990, Start Num: 137

Candidate Starts for GTE8_7:

(Start: 137 @2259 has 22 MA's), (160, 2283), (175, 2316), (216, 2319), (238, 2355), (244, 2370), (261, 2412), (347, 2616), (377, 2676), (416, 2751), (418, 2754), (465, 2853), (466, 2856), (478, 2886), (488, 2907), (493, 2922),

Gene: Gage_37 Start: 31848, Stop: 32705, Start Num: 98

Candidate Starts for Gage_37:

(Start: 98 @31848 has 132 MA's), (Start: 121 @31887 has 2 MA's), (144, 31917), (155, 31938), (173, 31974), (Start: 189 @32004 has 17 MA's), (234, 32079), (259, 32127), (260, 32130), (270, 32154), (271, 32157), (278, 32172), (350, 32343), (404, 32457), (411, 32472), (415, 32478), (445, 32520), (446, 32523), (481, 32577), (517, 32655), (535, 32688),

Gene: Gagieri_19 Start: 9542, Stop: 10426, Start Num: 96

Candidate Starts for Gagieri_19:

(37, 9272), (39, 9284), (42, 9299), (Start: 96 @9542 has 7 MA's), (Start: 102 @9557 has 23 MA's), (149, 9620), (190, 9707), (200, 9725), (210, 9740), (220, 9758), (227, 9770), (297, 9899), (324, 9977), (338, 10013), (386, 10106), (392, 10121), (440, 10220), (464, 10268), (471, 10301), (495, 10349), (520, 10394),

Gene: Gaia_34 Start: 30705, Stop: 31589, Start Num: 86

Candidate Starts for Gaia_34:

(Start: 86 @30705 has 31 MA's), (89, 30714), (Start: 94 @30735 has 4 MA's), (184, 30864), (Start: 188 @30870 has 13 MA's), (205, 30900), (211, 30909), (241, 30951), (276, 31020), (329, 31167), (334, 31179), (359, 31236), (369, 31257), (390, 31299), (413, 31350), (421, 31365), (423, 31368), (435, 31392), (460, 31443), (485, 31476), (512, 31527), (538, 31581),

Gene: Ganymede_32 Start: 26474, Stop: 27346, Start Num: 119

Candidate Starts for Ganymede_32:

(99, 26447), (Start: 119 @26474 has 151 MA's), (Start: 134 @26486 has 1 MA's), (173, 26555), (Start: 189 @26582 has 17 MA's), (205, 26612), (211, 26621), (234, 26657), (238, 26666), (250, 26699), (259, 26717), (271, 26747), (301, 26807), (354, 26942), (370, 26969), (380, 26990), (391, 27014), (419, 27065), (449, 27167), (474, 27203), (486, 27227), (534, 27326), (537, 27335),

Gene: Gator_33 Start: 31466, Stop: 32323, Start Num: 98

Candidate Starts for Gator_33:

(Start: 98 @31466 has 132 MA's), (Start: 121 @31505 has 2 MA's), (144, 31535), (155, 31556), (173, 31592), (Start: 189 @31622 has 17 MA's), (234, 31697), (259, 31745), (260, 31748), (270, 31772), (271, 31775), (278, 31790), (350, 31961), (404, 32075), (411, 32090), (415, 32096), (445, 32138), (446, 32141), (481, 32195), (517, 32273), (535, 32306),

Gene: GemG_24 Start: 19798, Stop: 20505, Start Num: 126

Candidate Starts for GemG_24:

(69, 19654), (Start: 126 @19798 has 32 MA's), (165, 19855), (Start: 187 @19894 has 7 MA's), (217, 19945), (221, 19954), (232, 19972), (234, 19975), (258, 20029), (259, 20032), (273, 20065), (284, 20083), (300, 20110), (329, 20188), (367, 20257), (369, 20263), (381, 20287), (385, 20293), (509, 20497),

Gene: Gemini_38 Start: 32365, Stop: 33222, Start Num: 98

Candidate Starts for Gemini_38:

(Start: 98 @32365 has 132 MA's), (Start: 121 @32404 has 2 MA's), (144, 32434), (155, 32455), (173, 32491), (Start: 189 @32521 has 17 MA's), (234, 32596), (259, 32644), (260, 32647), (270, 32671), (271, 32674), (278, 32689), (350, 32860), (404, 32974), (411, 32989), (415, 32995), (445, 33037), (446, 33040), (481, 33094), (517, 33172), (535, 33205),

Gene: Gengar_30 Start: 27074, Stop: 27946, Start Num: 119

Candidate Starts for Gengar_30:

(Start: 119 @27074 has 151 MA's), (Start: 134 @27086 has 1 MA's), (Start: 139 @27092 has 8 MA's), (155, 27119), (Start: 171 @27149 has 11 MA's), (173, 27155), (205, 27209), (211, 27218), (219,

27230), (238, 27263), (250, 27296), (271, 27344), (370, 27566), (378, 27584), (380, 27587), (409, 27647), (419, 27665), (433, 27692), (449, 27764), (456, 27779), (474, 27800), (476, 27803), (486, 27824), (533, 27917), (534, 27926), (537, 27935),

Gene: George_7 Start: 5355, Stop: 6164, Start Num: 110

Candidate Starts for George_7:

(Start: 110 @5355 has 51 MA's), (155, 5418), (Start: 161 @5427 has 4 MA's), (Start: 189 @5484 has 17 MA's), (219, 5532), (256, 5613), (332, 5802), (350, 5844), (379, 5901), (399, 5943), (539, 6150),

Gene: Geraldini_31 Start: 26471, Stop: 27343, Start Num: 119

Candidate Starts for Geraldini_31:

(99, 26444), (Start: 119 @26471 has 151 MA's), (Start: 134 @26483 has 1 MA's), (173, 26552), (Start: 189 @26579 has 17 MA's), (205, 26609), (211, 26618), (234, 26654), (238, 26663), (250, 26696), (259, 26714), (271, 26744), (301, 26804), (354, 26939), (370, 26966), (380, 26987), (391, 27011), (419, 27062), (449, 27164), (474, 27200), (486, 27224), (534, 27323), (537, 27332),

Gene: Getalong_29 Start: 22301, Stop: 22924, Start Num: 201

Candidate Starts for Getalong_29:

(53, 21926), (61, 21983), (68, 22028), (80, 22082), (81, 22085), (Start: 92 @22121 has 3 MA's), (113, 22166), (114, 22169), (Start: 201 @22301 has 28 MA's), (205, 22307), (223, 22337), (231, 22352), (259, 22412), (297, 22493), (308, 22532), (337, 22604), (373, 22667), (397, 22712), (406, 22730), (418, 22751), (422, 22760), (503, 22892), (507, 22901), (513, 22913),

Gene: Ghoulboy_8 Start: 5432, Stop: 6241, Start Num: 110

Candidate Starts for Ghoulboy_8:

(Start: 110 @5432 has 51 MA's), (155, 5495), (Start: 161 @5504 has 4 MA's), (Start: 189 @5561 has 17 MA's), (219, 5609), (247, 5666), (256, 5690), (332, 5879), (350, 5921), (379, 5978), (539, 6227),

Gene: Giroux_11 Start: 5739, Stop: 6479, Start Num: 109

Candidate Starts for Giroux_11:

(66, 5622), (Start: 109 @5739 has 18 MA's), (173, 5826), (211, 5883), (219, 5895), (221, 5898), (236, 5922), (244, 5937), (257, 5955), (269, 5985), (271, 5991), (276, 6000), (282, 6018), (303, 6069), (308, 6087), (333, 6159), (352, 6201), (381, 6228), (393, 6255), (413, 6288), (415, 6291), (436, 6330), (532, 6471),

Gene: Gizermo_24 Start: 19798, Stop: 20505, Start Num: 126

Candidate Starts for Gizermo_24:

(69, 19654), (Start: 126 @19798 has 32 MA's), (165, 19855), (Start: 187 @19894 has 7 MA's), (217, 19945), (221, 19954), (232, 19972), (234, 19975), (258, 20029), (259, 20032), (273, 20065), (284, 20083), (300, 20110), (329, 20188), (367, 20257), (369, 20263), (381, 20287), (385, 20293), (509, 20497),

Gene: Glexan_33 Start: 31454, Stop: 32311, Start Num: 98

Candidate Starts for Glexan_33:

(Start: 98 @31454 has 132 MA's), (Start: 121 @31493 has 2 MA's), (144, 31523), (155, 31544), (173, 31580), (Start: 189 @31610 has 17 MA's), (234, 31685), (259, 31733), (260, 31736), (270, 31760), (271, 31763), (278, 31778), (350, 31949), (404, 32063), (411, 32078), (415, 32084), (445, 32126), (446, 32129), (481, 32183), (517, 32261), (535, 32294),

Gene: Goku_35 Start: 31570, Stop: 32427, Start Num: 98

Candidate Starts for Goku_35:

(Start: 98 @31570 has 132 MA's), (Start: 121 @31609 has 2 MA's), (144, 31639), (155, 31660), (173, 31696), (Start: 189 @31726 has 17 MA's), (234, 31801), (259, 31849), (260, 31852), (270, 31876),

(271, 31879), (278, 31894), (350, 32065), (404, 32179), (411, 32194), (415, 32200), (445, 32242), (446, 32245), (481, 32299), (517, 32377), (535, 32410),

Gene: GoldenSpark_37 Start: 31848, Stop: 32705, Start Num: 98

Candidate Starts for GoldenSpark_37:

(Start: 98 @31848 has 132 MA's), (Start: 121 @31887 has 2 MA's), (144, 31917), (155, 31938), (173, 31974), (Start: 189 @32004 has 17 MA's), (234, 32079), (259, 32127), (260, 32130), (270, 32154), (271, 32157), (278, 32172), (350, 32343), (404, 32457), (411, 32472), (415, 32478), (445, 32520), (446, 32523), (481, 32577), (517, 32655), (535, 32688),

Gene: Goldilocks_36 Start: 31268, Stop: 32125, Start Num: 98

Candidate Starts for Goldilocks_36:

(Start: 98 @31268 has 132 MA's), (Start: 121 @31307 has 2 MA's), (144, 31337), (155, 31358), (173, 31394), (Start: 189 @31424 has 17 MA's), (234, 31499), (259, 31547), (260, 31550), (270, 31574), (271, 31577), (278, 31592), (350, 31763), (404, 31877), (411, 31892), (415, 31898), (445, 31940), (446, 31943), (481, 31997), (517, 32075), (535, 32108),

Gene: GooberAzure_37 Start: 31848, Stop: 32705, Start Num: 98

Candidate Starts for GooberAzure_37:

(Start: 98 @31848 has 132 MA's), (Start: 121 @31887 has 2 MA's), (144, 31917), (155, 31938), (173, 31974), (Start: 189 @32004 has 17 MA's), (234, 32079), (259, 32127), (260, 32130), (270, 32154), (271, 32157), (278, 32172), (350, 32343), (404, 32457), (411, 32472), (415, 32478), (445, 32520), (446, 32523), (481, 32577), (517, 32655), (535, 32688),

Gene: Gorko_49 Start: 45717, Stop: 44860, Start Num: 117

Candidate Starts for Gorko_49:

(Start: 117 @45717 has 49 MA's), (136, 45693), (Start: 161 @45654 has 4 MA's), (Start: 168 @45639 has 2 MA's), (183, 45603), (206, 45564), (240, 45504), (246, 45486), (260, 45447), (276, 45411), (278, 45405), (338, 45234), (368, 45159), (383, 45129), (426, 45042), (459, 44967), (472, 44940), (501, 44880),

Gene: GourdThymes_49 Start: 46591, Stop: 45734, Start Num: 117

Candidate Starts for GourdThymes_49:

(Start: 117 @46591 has 49 MA's), (136, 46567), (Start: 161 @46528 has 4 MA's), (Start: 168 @46513 has 2 MA's), (183, 46477), (240, 46378), (246, 46360), (260, 46321), (278, 46279), (338, 46108), (368, 46033), (383, 46003), (426, 45916), (459, 45841), (472, 45814), (501, 45754),

Gene: Gray_31 Start: 21550, Stop: 22266, Start Num: 162

Candidate Starts for Gray_31:

(Start: 162 @21550 has 1 MA's), (Start: 171 @21568 has 11 MA's), (Start: 215 @21631 has 1 MA's), (234, 21667), (263, 21727), (267, 21739), (277, 21760), (294, 21793), (304, 21823), (305, 21826), (311, 21847), (312, 21853), (316, 21859), (324, 21880), (377, 21985), (385, 21994), (418, 22063), (420, 22069), (443, 22105), (451, 22117), (478, 22156), (488, 22177), (524, 22246), (529, 22258), (531, 22261),

Gene: Grayson_31 Start: 9328, Stop: 8654, Start Num: 161

Candidate Starts for Grayson_31:

(147, 9352), (152, 9343), (Start: 161 @9328 has 4 MA's), (196, 9262), (197, 9259), (Start: 215 @9238 has 1 MA's), (232, 9205), (260, 9124), (302, 9031), (320, 8977), (339, 8938), (372, 8866), (394, 8824), (397, 8818),

Gene: Greep_36 Start: 32178, Stop: 33035, Start Num: 98

Candidate Starts for Greep_36:

(Start: 98 @32178 has 132 MA's), (Start: 121 @32217 has 2 MA's), (144, 32247), (155, 32268), (173, 32304), (Start: 189 @32334 has 17 MA's), (234, 32409), (259, 32457), (260, 32460), (270, 32484), (271, 32487), (278, 32502), (350, 32673), (397, 32772), (404, 32787), (411, 32802), (415, 32808), (445, 32850), (446, 32853), (481, 32907), (517, 32985), (535, 33018),

Gene: GrootJr_21 Start: 9807, Stop: 10532, Start Num: 137

Candidate Starts for GrootJr_21:

(Start: 137 @9807 has 22 MA's), (160, 9831), (175, 9864), (216, 9867), (238, 9903), (244, 9918), (261, 9960), (321, 10107), (416, 10299), (466, 10401), (478, 10431), (488, 10452), (493, 10467), (525, 10527),

Gene: Groundhog_7 Start: 4839, Stop: 5648, Start Num: 110

Candidate Starts for Groundhog_7:

(Start: 110 @4839 has 51 MA's), (166, 4923), (Start: 189 @4968 has 17 MA's), (226, 5028), (254, 5094), (350, 5328), (369, 5367), (379, 5385), (394, 5418), (403, 5436), (456, 5481), (482, 5505), (539, 5634),

Gene: Guanica15_31 Start: 25719, Stop: 26588, Start Num: 119

Candidate Starts for Guanica15_31:

(Start: 92 @25671 has 3 MA's), (99, 25692), (Start: 119 @25719 has 151 MA's), (Start: 134 @25731 has 1 MA's), (154, 25758), (155, 25764), (Start: 171 @25794 has 11 MA's), (173, 25800), (211, 25863), (234, 25899), (238, 25908), (250, 25941), (271, 25989), (303, 26058), (370, 26211), (380, 26232), (391, 26256), (400, 26274), (410, 26295), (433, 26334), (449, 26409), (474, 26445), (519, 26538), (534, 26568), (537, 26577),

Gene: Gudmit_24 Start: 19608, Stop: 20321, Start Num: 125

Candidate Starts for Gudmit_24:

(Start: 125 @19608 has 21 MA's), (142, 19626), (221, 19764), (259, 19842), (269, 19866), (300, 19920), (305, 19938), (342, 20031), (381, 20109), (385, 20115), (397, 20145), (503, 20301), (510, 20313),

Gene: Guillsminger_30 Start: 27046, Stop: 27918, Start Num: 119

Candidate Starts for Guillsminger_30:

(Start: 119 @27046 has 151 MA's), (Start: 134 @27058 has 1 MA's), (Start: 139 @27064 has 8 MA's), (155, 27091), (Start: 171 @27121 has 11 MA's), (173, 27127), (205, 27181), (211, 27190), (219, 27202), (238, 27235), (250, 27268), (271, 27316), (303, 27385), (370, 27538), (378, 27556), (380, 27559), (409, 27619), (419, 27637), (433, 27664), (449, 27736), (474, 27772), (476, 27775), (486, 27796), (511, 27853), (533, 27889), (534, 27898), (537, 27907),

Gene: Haley23_24 Start: 19798, Stop: 20505, Start Num: 126

Candidate Starts for Haley23_24:

(69, 19654), (Start: 126 @19798 has 32 MA's), (165, 19855), (Start: 187 @19894 has 7 MA's), (217, 19945), (221, 19954), (232, 19972), (234, 19975), (258, 20029), (259, 20032), (273, 20065), (284, 20083), (300, 20110), (329, 20188), (367, 20257), (369, 20263), (381, 20287), (385, 20293), (509, 20497),

Gene: Halley_49 Start: 42575, Stop: 43447, Start Num: 86

Candidate Starts for Halley_49:

(Start: 86 @42575 has 31 MA's), (Start: 94 @42602 has 4 MA's), (150, 42662), (173, 42710), (211, 42776), (226, 42797), (241, 42818), (269, 42872), (302, 42953), (421, 43232), (423, 43235), (435, 43259), (453, 43295), (460, 43310), (474, 43322), (485, 43343),

Gene: Hammy_30 Start: 26882, Stop: 27622, Start Num: 119

Candidate Starts for Hammy_30:

(28, 26537), (76, 26783), (80, 26804), (Start: 92 @26837 has 3 MA's), (99, 26858), (Start: 119 @26882 has 151 MA's), (Start: 134 @26894 has 1 MA's), (154, 26921), (155, 26927), (205, 27011), (211, 27020), (219, 27032), (238, 27065), (250, 27098), (301, 27206), (308, 27233), (354, 27341), (370, 27368), (380, 27389), (391, 27413), (440, 27425), (445, 27434), (481, 27491), (486, 27503), (534, 27602),

Gene: HanKaySha_36 Start: 31600, Stop: 32457, Start Num: 98

Candidate Starts for HanKaySha_36:

(Start: 98 @31600 has 132 MA's), (Start: 121 @31639 has 2 MA's), (144, 31669), (155, 31690), (173, 31726), (Start: 189 @31756 has 17 MA's), (234, 31831), (259, 31879), (260, 31882), (270, 31906), (271, 31909), (278, 31924), (350, 32095), (404, 32209), (411, 32224), (415, 32230), (445, 32272), (446, 32275), (481, 32329), (517, 32407), (535, 32440),

Gene: Hanem_31 Start: 21568, Stop: 22266, Start Num: 171

Candidate Starts for Hanem_31:

(Start: 162 @21550 has 1 MA's), (Start: 171 @21568 has 11 MA's), (Start: 215 @21631 has 1 MA's), (234, 21667), (263, 21727), (267, 21739), (277, 21760), (294, 21793), (304, 21823), (305, 21826), (311, 21847), (312, 21853), (316, 21859), (324, 21880), (377, 21985), (385, 21994), (418, 22063), (420, 22069), (443, 22105), (451, 22117), (478, 22156), (503, 22210), (524, 22246), (529, 22258), (531, 22261),

Gene: Hannaconda_45 Start: 37054, Stop: 37926, Start Num: 86

Candidate Starts for Hannaconda_45:

(52, 36883), (Start: 86 @37054 has 31 MA's), (Start: 94 @37081 has 4 MA's), (150, 37141), (178, 37198), (184, 37210), (211, 37255), (226, 37276), (241, 37297), (269, 37351), (302, 37432), (354, 37573), (421, 37711), (423, 37714), (435, 37738), (453, 37774), (460, 37789), (474, 37801), (485, 37822),

Gene: HannahD_26 Start: 21448, Stop: 22167, Start Num: 131

Candidate Starts for HannahD_26:

(95, 21391), (Start: 131 @21448 has 21 MA's), (Start: 187 @21541 has 7 MA's), (193, 21556), (221, 21601), (247, 21652), (259, 21679), (269, 21703), (302, 21766), (305, 21775), (381, 21937), (385, 21943),

Gene: Harella_34 Start: 31970, Stop: 32827, Start Num: 98

Candidate Starts for Harella_34:

(Start: 98 @31970 has 132 MA's), (Start: 121 @32009 has 2 MA's), (144, 32039), (155, 32060), (173, 32096), (Start: 189 @32126 has 17 MA's), (234, 32201), (259, 32249), (260, 32252), (270, 32276), (271, 32279), (278, 32294), (350, 32465), (404, 32579), (411, 32594), (415, 32600), (445, 32642), (446, 32645), (481, 32699), (517, 32777), (535, 32810),

Gene: HayZem_51 Start: 46679, Stop: 45780, Start Num: 117

Candidate Starts for HayZem_51:

(57, 46886), (67, 46820), (Start: 117 @46679 has 49 MA's), (136, 46652), (165, 46604), (203, 46538), (206, 46532), (257, 46415), (259, 46409), (277, 46367), (300, 46307), (338, 46187), (361, 46124), (389, 46070), (398, 46049), (454, 45938),

Gene: Heathen_10 Start: 5538, Stop: 6278, Start Num: 109

Candidate Starts for Heathen_10:

(Start: 109 @5538 has 18 MA's), (173, 5625), (211, 5682), (219, 5694), (221, 5697), (236, 5721), (244, 5736), (257, 5754), (269, 5784), (271, 5790), (282, 5817), (308, 5886), (333, 5958), (352, 6000), (381, 6027), (393, 6054), (413, 6087), (415, 6090), (436, 6129), (532, 6270),

Gene: Hedwig_28 Start: 22437, Stop: 23138, Start Num: 125

Candidate Starts for Hedwig_28:

(Start: 125 @22437 has 21 MA's), (144, 22455), (Start: 187 @22530 has 7 MA's), (193, 22545), (239, 22620), (269, 22692), (284, 22719), (300, 22746), (302, 22755), (305, 22764), (340, 22839), (342, 22845), (381, 22923), (385, 22929), (473, 23052), (489, 23082), (503, 23115),

Gene: HedwigODU_31 Start: 26463, Stop: 27335, Start Num: 119

Candidate Starts for HedwigODU_31:

(99, 26436), (Start: 119 @26463 has 151 MA's), (Start: 134 @26475 has 1 MA's), (173, 26544), (Start: 189 @26571 has 17 MA's), (205, 26601), (211, 26610), (234, 26646), (238, 26655), (250, 26688), (259, 26706), (271, 26736), (300, 26793), (301, 26796), (354, 26931), (370, 26958), (380, 26979), (391, 27003), (419, 27054), (449, 27156), (474, 27192), (486, 27216), (534, 27315), (537, 27324),

Gene: Heftyboy_30 Start: 27195, Stop: 28064, Start Num: 119

Candidate Starts for Heftyboy_30:

(76, 27093), (Start: 92 @27147 has 3 MA's), (Start: 119 @27195 has 151 MA's), (Start: 134 @27207 has 1 MA's), (Start: 139 @27213 has 8 MA's), (155, 27240), (Start: 171 @27270 has 11 MA's), (173, 27276), (205, 27330), (211, 27339), (219, 27351), (238, 27384), (250, 27417), (271, 27465), (296, 27513), (326, 27597), (370, 27687), (378, 27705), (380, 27708), (410, 27771), (419, 27786), (433, 27810), (449, 27882), (474, 27918), (476, 27921), (486, 27942), (511, 27999), (533, 28035), (534, 28044), (537, 28053),

Gene: HelDan_10 Start: 5790, Stop: 6530, Start Num: 109

Candidate Starts for HelDan_10:

(Start: 109 @5790 has 18 MA's), (173, 5877), (211, 5934), (219, 5946), (221, 5949), (236, 5973), (244, 5988), (257, 6006), (269, 6036), (271, 6042), (282, 6069), (308, 6138), (333, 6210), (352, 6252), (381, 6279), (393, 6306), (413, 6339), (415, 6342), (436, 6381), (532, 6522),

Gene: Henry_36 Start: 31858, Stop: 32715, Start Num: 98

Candidate Starts for Henry_36:

(Start: 98 @31858 has 132 MA's), (Start: 121 @31897 has 2 MA's), (144, 31927), (155, 31948), (173, 31984), (Start: 189 @32014 has 17 MA's), (234, 32089), (259, 32137), (260, 32140), (270, 32164), (271, 32167), (278, 32182), (350, 32353), (404, 32467), (411, 32482), (415, 32488), (445, 32530), (446, 32533), (481, 32587), (517, 32665), (535, 32698),

Gene: Herod_25 Start: 22309, Stop: 22926, Start Num: 188

Candidate Starts for Herod_25:

(Start: 125 @22210 has 21 MA's), (159, 22249), (176, 22282), (Start: 188 @22309 has 13 MA's), (Start: 207 @22318 has 2 MA's), (231, 22360), (238, 22372), (259, 22420), (267, 22441), (277, 22462), (294, 22495), (296, 22498), (308, 22540), (322, 22576), (347, 22627), (373, 22675), (406, 22738), (422, 22768), (454, 22819), (503, 22897),

Gene: Highbury_36 Start: 31516, Stop: 32373, Start Num: 98

Candidate Starts for Highbury_36:

(Start: 98 @31516 has 132 MA's), (Start: 121 @31555 has 2 MA's), (144, 31585), (155, 31606), (173, 31642), (Start: 189 @31672 has 17 MA's), (234, 31747), (259, 31795), (260, 31798), (270, 31822), (271, 31825), (278, 31840), (350, 32011), (404, 32125), (411, 32140), (415, 32146), (445, 32188), (446, 32191), (481, 32245), (517, 32323), (535, 32356),

Gene: HokkenD_42 Start: 40844, Stop: 41716, Start Num: 86

Candidate Starts for HokkenD_42:

(Start: 86 @40844 has 31 MA's), (Start: 94 @40871 has 4 MA's), (150, 40931), (173, 40979), (211, 41045), (226, 41066), (241, 41087), (269, 41141), (302, 41222), (421, 41501), (423, 41504), (435, 41528), (453, 41564), (460, 41579), (474, 41591), (485, 41612),

Gene: Holliday_28 Start: 21606, Stop: 22229, Start Num: 201

Candidate Starts for Holliday_28:

(53, 21231), (61, 21288), (68, 21333), (80, 21387), (81, 21390), (Start: 92 @21426 has 3 MA's), (113, 21471), (114, 21474), (Start: 201 @21606 has 28 MA's), (205, 21612), (223, 21642), (231, 21657), (259, 21717), (297, 21798), (308, 21837), (337, 21909), (373, 21972), (397, 22017), (406, 22035), (418, 22056), (422, 22065), (503, 22197), (507, 22206), (513, 22218),

Gene: Hollow_45 Start: 47078, Stop: 46251, Start Num: 117

Candidate Starts for Hollow_45:

(Start: 117 @47078 has 49 MA's), (136, 47051), (173, 46985), (228, 46892), (313, 46679), (389, 46493), (393, 46481), (448, 46370), (467, 46331), (479, 46307), (481, 46301),

Gene: Holt_36 Start: 31135, Stop: 31992, Start Num: 98

Candidate Starts for Holt_36:

(Start: 98 @31135 has 132 MA's), (Start: 121 @31174 has 2 MA's), (144, 31204), (155, 31225), (173, 31261), (Start: 189 @31291 has 17 MA's), (234, 31366), (259, 31414), (260, 31417), (270, 31441), (271, 31444), (278, 31459), (350, 31630), (404, 31744), (411, 31759), (415, 31765), (445, 31807), (446, 31810), (481, 31864), (517, 31942), (535, 31975),

Gene: HomeFry_22 Start: 8565, Stop: 9368, Start Num: 127

Candidate Starts for HomeFry_22:

(62, 8367), (Start: 127 @8565 has 5 MA's), (194, 8664), (Start: 215 @8694 has 1 MA's), (216, 8697), (236, 8733), (244, 8754), (261, 8796), (308, 8910), (312, 8925), (321, 8943), (347, 8997), (418, 9141), (422, 9150), (444, 9195), (468, 9240), (478, 9264),

Gene: Homura_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Homura_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: Hoonter_37 Start: 31848, Stop: 32705, Start Num: 98

Candidate Starts for Hoonter_37:

(Start: 98 @31848 has 132 MA's), (Start: 121 @31887 has 2 MA's), (144, 31917), (155, 31938), (173, 31974), (Start: 189 @32004 has 17 MA's), (234, 32079), (259, 32127), (260, 32130), (270, 32154), (271, 32157), (278, 32172), (350, 32343), (404, 32457), (411, 32472), (415, 32478), (445, 32520), (446, 32523), (481, 32577), (517, 32655), (535, 32688),

Gene: Hopey_37 Start: 32135, Stop: 32992, Start Num: 98

Candidate Starts for Hopey_37:

(Start: 98 @32135 has 132 MA's), (Start: 121 @32174 has 2 MA's), (144, 32204), (155, 32225), (173, 32261), (Start: 189 @32291 has 17 MA's), (234, 32366), (259, 32414), (260, 32417), (270, 32441), (271, 32444), (278, 32459), (350, 32630), (404, 32744), (411, 32759), (415, 32765), (445, 32807), (446, 32810), (481, 32864), (517, 32942), (535, 32975),

Gene: Horus_28 Start: 21523, Stop: 22146, Start Num: 201

Candidate Starts for Horus_28:

(53, 21148), (61, 21205), (68, 21250), (80, 21304), (81, 21307), (Start: 92 @21343 has 3 MA's), (113, 21388), (114, 21391), (Start: 201 @21523 has 28 MA's), (205, 21529), (223, 21559), (231, 21574), (259, 21634), (297, 21715), (308, 21754), (337, 21826), (373, 21889), (397, 21934), (406, 21952), (418, 21973), (422, 21982), (503, 22114), (507, 22123), (513, 22135),

Gene: Hotorobo_49 Start: 46596, Stop: 45739, Start Num: 117

Candidate Starts for Hotorobo_49:

(Start: 117 @46596 has 49 MA's), (136, 46572), (Start: 161 @46533 has 4 MA's), (Start: 168 @46518 has 2 MA's), (183, 46482), (206, 46443), (240, 46383), (246, 46365), (260, 46326), (276, 46290), (278, 46284), (338, 46113), (368, 46038), (383, 46008), (426, 45921), (459, 45846), (472, 45819), (501, 45759),

Gene: HubbaBubba_15 Start: 6375, Stop: 7115, Start Num: 143

Candidate Starts for HubbaBubba_15:

(Start: 143 @6375 has 3 MA's), (Start: 215 @6435 has 1 MA's), (216, 6438), (222, 6450), (261, 6531), (330, 6705), (416, 6870), (470, 6996), (488, 7032), (513, 7086),

Gene: HufflyPuff_34 Start: 31842, Stop: 32699, Start Num: 98

Candidate Starts for HufflyPuff_34:

(Start: 98 @31842 has 132 MA's), (Start: 121 @31881 has 2 MA's), (144, 31911), (155, 31932), (173, 31968), (Start: 189 @31998 has 17 MA's), (234, 32073), (259, 32121), (260, 32124), (270, 32148), (271, 32151), (278, 32166), (350, 32337), (397, 32436), (404, 32451), (411, 32466), (415, 32472), (445, 32514), (446, 32517), (481, 32571), (517, 32649), (535, 32682),

Gene: Hughesyang_47 Start: 42504, Stop: 43376, Start Num: 86

Candidate Starts for Hughesyang_47:

(Start: 86 @42504 has 31 MA's), (Start: 94 @42531 has 4 MA's), (150, 42591), (173, 42639), (211, 42705), (226, 42726), (241, 42747), (269, 42801), (302, 42882), (421, 43161), (423, 43164), (435, 43188), (453, 43224), (460, 43239), (474, 43251), (485, 43272),

Gene: Hugley_25 Start: 22282, Stop: 22926, Start Num: 176

Candidate Starts for Hugley_25:

(Start: 125 @22210 has 21 MA's), (159, 22249), (176, 22282), (Start: 188 @22309 has 13 MA's), (Start: 207 @22318 has 2 MA's), (231, 22360), (238, 22372), (259, 22420), (267, 22441), (277, 22462), (294, 22495), (296, 22498), (308, 22540), (322, 22576), (347, 22627), (373, 22675), (406, 22738), (422, 22768), (454, 22819), (503, 22897),

Gene: HuhtaEnerson15_8 Start: 5355, Stop: 6164, Start Num: 110

Candidate Starts for HuhtaEnerson15_8:

(Start: 110 @5355 has 51 MA's), (155, 5418), (Start: 161 @5427 has 4 MA's), (Start: 189 @5484 has 17 MA's), (219, 5532), (256, 5613), (332, 5802), (350, 5844), (379, 5901), (399, 5943), (539, 6150),

Gene: Hurricane_32 Start: 27396, Stop: 28184, Start Num: 119

Candidate Starts for Hurricane_32:

(13, 26904), (34, 27066), (80, 27318), (Start: 92 @27351 has 3 MA's), (Start: 119 @27396 has 151 MA's), (155, 27441), (173, 27477), (205, 27534), (211, 27543), (234, 27579), (259, 27633), (269, 27657), (326, 27798), (354, 27861), (370, 27903), (380, 27924), (384, 27930), (391, 27948), (445, 27978), (486, 28047), (522, 28119), (534, 28149),

Gene: Hyperbowlee_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Hyperbowlee_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238,

26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: IDyn_18 Start: 7766, Stop: 8506, Start Num: 143

Candidate Starts for IDyn_18:

(Start: 143 @7766 has 3 MA's), (Start: 215 @7826 has 1 MA's), (216, 7829), (222, 7841), (261, 7922), (321, 8072), (330, 8096), (347, 8129), (397, 8225), (416, 8261), (470, 8387), (488, 8423), (513, 8477),

Gene: IHOP_35 Start: 32035, Stop: 32892, Start Num: 98

Candidate Starts for IHOP_35:

(Start: 98 @32035 has 132 MA's), (Start: 121 @32074 has 2 MA's), (144, 32104), (155, 32125), (173, 32161), (Start: 189 @32191 has 17 MA's), (234, 32266), (259, 32314), (260, 32317), (270, 32341), (271, 32344), (278, 32359), (350, 32530), (404, 32644), (411, 32659), (415, 32665), (445, 32707), (446, 32710), (481, 32764), (517, 32842), (535, 32875),

Gene: Icee_34 Start: 31516, Stop: 32373, Start Num: 98

Candidate Starts for Icee_34:

(Start: 98 @31516 has 132 MA's), (Start: 121 @31555 has 2 MA's), (144, 31585), (155, 31606), (173, 31642), (Start: 189 @31672 has 17 MA's), (234, 31747), (259, 31795), (260, 31798), (270, 31822), (271, 31825), (278, 31840), (350, 32011), (404, 32125), (411, 32140), (415, 32146), (445, 32188), (446, 32191), (481, 32245), (517, 32323), (535, 32356),

Gene: Idleandcovert_10 Start: 5739, Stop: 6479, Start Num: 109

Candidate Starts for Idleandcovert_10:

(66, 5622), (Start: 109 @5739 has 18 MA's), (173, 5826), (211, 5883), (219, 5895), (221, 5898), (236, 5922), (244, 5937), (257, 5955), (269, 5985), (271, 5991), (276, 6000), (282, 6018), (303, 6069), (308, 6087), (333, 6159), (352, 6201), (381, 6228), (393, 6255), (413, 6288), (415, 6291), (436, 6330), (532, 6471),

Gene: Illumine_31 Start: 26470, Stop: 27342, Start Num: 119

Candidate Starts for Illumine_31:

(99, 26443), (Start: 119 @26470 has 151 MA's), (Start: 134 @26482 has 1 MA's), (173, 26551), (Start: 189 @26578 has 17 MA's), (205, 26608), (211, 26617), (234, 26653), (238, 26662), (250, 26695), (259, 26713), (301, 26803), (354, 26938), (370, 26965), (380, 26986), (391, 27010), (438, 27112), (449, 27163), (474, 27199), (486, 27223), (534, 27322), (537, 27331),

Gene: InLimbo_25 Start: 19442, Stop: 20146, Start Num: 121

Candidate Starts for InLimbo_25:

(Start: 121 @19442 has 2 MA's), (Start: 187 @19538 has 7 MA's), (239, 19628), (247, 19649), (249, 19652), (259, 19676), (269, 19700), (270, 19703), (277, 19718), (300, 19754), (329, 19832), (346, 19859), (371, 19910), (381, 19931), (493, 20108), (509, 20138),

Gene: Inca_34 Start: 30537, Stop: 31394, Start Num: 98

Candidate Starts for Inca_34:

(Start: 98 @30537 has 132 MA's), (Start: 121 @30576 has 2 MA's), (144, 30606), (155, 30627), (173, 30663), (Start: 189 @30693 has 17 MA's), (234, 30768), (259, 30816), (260, 30819), (270, 30843), (271, 30846), (278, 30861), (350, 31032), (397, 31131), (404, 31146), (411, 31161), (415, 31167), (445, 31209), (446, 31212), (481, 31266), (517, 31344), (535, 31377),

Gene: Indlulamithi_36 Start: 31658, Stop: 32464, Start Num: 177

Candidate Starts for Indlulamithi_36:

(132, 31580), (Start: 177 @31658 has 1 MA's), (212, 31724), (264, 31844), (280, 31880), (282, 31886), (299, 31925), (306, 31949), (319, 31988), (325, 32009), (354, 32078), (391, 32165), (410, 32204), (413, 32210), (432, 32246), (445, 32276), (518, 32429), (521, 32432),

Gene: Inky_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Inky_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: InvictusManeo_30 Start: 27231, Stop: 27992, Start Num: 118

Candidate Starts for InvictusManeo_30:

(Start: 92 @27183 has 3 MA's), (Start: 118 @27231 has 20 MA's), (Start: 134 @27243 has 1 MA's), (136, 27246), (Start: 139 @27249 has 8 MA's), (155, 27276), (173, 27312), (Start: 207 @27372 has 2 MA's), (211, 27378), (230, 27408), (234, 27414), (238, 27423), (250, 27456), (269, 27498), (270, 27501), (276, 27513), (295, 27549), (301, 27564), (311, 27600), (354, 27699), (370, 27726), (380, 27747), (449, 27810), (461, 27834), (481, 27858), (511, 27927), (534, 27972), (537, 27981),

Gene: Isca_10 Start: 5611, Stop: 6351, Start Num: 109

Candidate Starts for Isca_10:

(Start: 109 @5611 has 18 MA's), (138, 5635), (173, 5698), (211, 5755), (219, 5767), (221, 5770), (236, 5794), (244, 5809), (269, 5857), (271, 5863), (282, 5890), (308, 5959), (333, 6031), (352, 6073), (381, 6100), (393, 6127), (413, 6160), (415, 6163), (436, 6202), (474, 6256), (532, 6343),

Gene: JAWS_31 Start: 26448, Stop: 27320, Start Num: 119

Candidate Starts for JAWS_31:

(33, 26118), (76, 26346), (99, 26421), (Start: 119 @26448 has 151 MA's), (Start: 134 @26460 has 1 MA's), (173, 26529), (Start: 189 @26556 has 17 MA's), (205, 26586), (211, 26595), (234, 26631), (238, 26640), (250, 26673), (259, 26691), (271, 26721), (301, 26781), (354, 26916), (370, 26943), (380, 26964), (391, 26988), (449, 27141), (474, 27177), (534, 27300), (537, 27309),

Gene: JCole_22 Start: 18663, Stop: 19364, Start Num: 125

Candidate Starts for JCole_22:

(19, 18249), (21, 18252), (Start: 125 @18663 has 21 MA's), (172, 18729), (179, 18741), (Start: 187 @18753 has 7 MA's), (193, 18768), (204, 18783), (221, 18813), (243, 18852), (257, 18885), (259, 18891), (269, 18915), (270, 18918), (295, 18963), (300, 18969), (305, 18987), (342, 19071), (367, 19119), (381, 19149), (385, 19155), (393, 19176), (408, 19206), (473, 19278), (497, 19332), (509, 19353),

Gene: JF1_32 Start: 27629, Stop: 28420, Start Num: 102

Candidate Starts for JF1_32:

(Start: 102 @27629 has 23 MA's), (Start: 134 @27662 has 1 MA's), (155, 27695), (Start: 168 @27719 has 2 MA's), (179, 27740), (205, 27788), (211, 27797), (234, 27833), (275, 27914), (354, 28121), (370, 28148), (372, 28154), (380, 28169), (391, 28193), (446, 28217), (456, 28238), (481, 28271), (486, 28283), (522, 28355),

Gene: JF2_10 Start: 5376, Stop: 6116, Start Num: 109

Candidate Starts for JF2_10:

(Start: 109 @5376 has 18 MA's), (173, 5463), (211, 5520), (219, 5532), (221, 5535), (236, 5559), (244, 5574), (269, 5622), (271, 5628), (282, 5655), (308, 5724), (333, 5796), (352, 5838), (381, 5865), (393, 5892), (413, 5925), (415, 5928), (436, 5967), (474, 6021), (532, 6108),

Gene: JF4_10 Start: 5376, Stop: 6116, Start Num: 109

Candidate Starts for JF4_10:

(Start: 109 @5376 has 18 MA's), (173, 5463), (211, 5520), (219, 5532), (221, 5535), (236, 5559), (244, 5574), (269, 5622), (271, 5628), (282, 5655), (308, 5724), (333, 5796), (352, 5838), (381, 5865), (393, 5892), (413, 5925), (415, 5928), (436, 5967), (474, 6021), (532, 6108),

Gene: Jabiru_8 Start: 5180, Stop: 5989, Start Num: 110

Candidate Starts for Jabiru_8:

(Start: 110 @5180 has 51 MA's), (145, 5225), (Start: 189 @5309 has 17 MA's), (195, 5324), (219, 5357), (332, 5627), (350, 5669), (369, 5708), (379, 5726), (393, 5756), (417, 5798),

Gene: Jablanski_28 Start: 22900, Stop: 23523, Start Num: 187

Candidate Starts for Jablanski_28:

(Start: 187 @22900 has 7 MA's), (Start: 207 @22909 has 2 MA's), (231, 22951), (247, 22987), (267, 23032), (277, 23053), (294, 23086), (308, 23131), (337, 23203), (347, 23218), (373, 23266), (397, 23311), (406, 23329), (418, 23350), (422, 23359), (454, 23413), (488, 23464), (503, 23491), (507, 23500), (509, 23503),

Gene: Jalleen_24 Start: 19494, Stop: 20144, Start Num: 165

Candidate Starts for Jalleen_24:

(69, 19293), (Start: 126 @19437 has 32 MA's), (165, 19494), (Start: 187 @19533 has 7 MA's), (221, 19593), (232, 19611), (234, 19614), (243, 19632), (258, 19668), (273, 19704), (284, 19722), (301, 19752), (329, 19827), (381, 19926), (385, 19932), (509, 20136),

Gene: Jarvi_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Jarvi_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: Jayhawk_31 Start: 26461, Stop: 27333, Start Num: 119

Candidate Starts for Jayhawk_31:

(99, 26434), (Start: 119 @26461 has 151 MA's), (Start: 134 @26473 has 1 MA's), (173, 26542), (Start: 189 @26569 has 17 MA's), (205, 26599), (211, 26608), (234, 26644), (238, 26653), (250, 26686), (259, 26704), (271, 26734), (300, 26791), (301, 26794), (354, 26929), (370, 26956), (380, 26977), (391, 27001), (419, 27052), (449, 27154), (474, 27190), (486, 27214), (534, 27313), (537, 27322),

Gene: JeTaime_37 Start: 32659, Stop: 33516, Start Num: 98

Candidate Starts for JeTaime_37:

(Start: 98 @32659 has 132 MA's), (Start: 121 @32698 has 2 MA's), (144, 32728), (155, 32749), (173, 32785), (Start: 189 @32815 has 17 MA's), (234, 32890), (259, 32938), (260, 32941), (270, 32965), (271, 32968), (278, 32983), (350, 33154), (404, 33268), (411, 33283), (415, 33289), (445, 33331), (446, 33334), (481, 33388), (517, 33466), (535, 33499),

Gene: Jeckyll_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Jeckyll_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

27355),

Gene: Jecs_27 Start: 21746, Stop: 22459, Start Num: 131

Candidate Starts for Jecs_27:

(95, 21689), (Start: 131 @21746 has 21 MA's), (Start: 187 @21839 has 7 MA's), (193, 21854), (217, 21890), (221, 21899), (247, 21950), (259, 21977), (269, 22001), (302, 22064), (305, 22073), (338, 22148), (374, 22223), (381, 22235), (385, 22241),

Gene: JellyBelly_42 Start: 35092, Stop: 35814, Start Num: 126

Candidate Starts for JellyBelly_42:

(11, 34513), (Start: 126 @35092 has 32 MA's), (221, 35248), (224, 35254), (247, 35299), (257, 35323), (273, 35362), (277, 35371), (284, 35380), (300, 35407), (301, 35410), (367, 35557), (381, 35587), (385, 35593), (456, 35704), (475, 35728), (497, 35779), (505, 35794),

Gene: Jellybones_52 Start: 47697, Stop: 46843, Start Num: 117

Candidate Starts for Jellybones_52:

(45, 47964), (51, 47940), (Start: 117 @47697 has 49 MA's), (136, 47673), (Start: 168 @47619 has 2 MA's), (206, 47544), (240, 47484), (246, 47466), (253, 47442), (260, 47427), (276, 47391), (278, 47385), (338, 47217), (368, 47142), (426, 47025), (459, 46950), (472, 46923), (501, 46863),

Gene: Jifall16_18 Start: 8868, Stop: 9593, Start Num: 137

Candidate Starts for Jifall16_18:

(Start: 137 @8868 has 22 MA's), (160, 8892), (175, 8925), (216, 8928), (238, 8964), (244, 8979), (261, 9021), (321, 9168), (416, 9360), (466, 9462), (478, 9492), (488, 9513), (493, 9528), (525, 9588),

Gene: John316_53 Start: 47754, Stop: 46897, Start Num: 117

Candidate Starts for John316_53:

(Start: 117 @47754 has 49 MA's), (136, 47730), (Start: 161 @47691 has 4 MA's), (Start: 168 @47676 has 2 MA's), (183, 47640), (206, 47601), (240, 47541), (246, 47523), (260, 47484), (276, 47448), (278, 47442), (338, 47271), (368, 47196), (383, 47166), (426, 47079), (459, 47004), (472, 46977), (501, 46917),

Gene: Journey13_9 Start: 5628, Stop: 6563, Start Num: 116

Candidate Starts for Journey13_9:

(Start: 116 @5628 has 9 MA's), (172, 5721), (Start: 189 @5754 has 17 MA's), (217, 5796), (219, 5802), (254, 5880), (256, 5883), (332, 6072), (350, 6114), (369, 6153), (379, 6171), (399, 6213), (403, 6222), (432, 6273), (441, 6336), (474, 6405), (511, 6486), (539, 6549),

Gene: Jovo_8 Start: 5464, Stop: 6273, Start Num: 110

Candidate Starts for Jovo_8:

(Start: 110 @5464 has 51 MA's), (155, 5527), (Start: 161 @5536 has 4 MA's), (Start: 171 @5557 has 11 MA's), (Start: 189 @5593 has 17 MA's), (219, 5641), (247, 5698), (256, 5722), (332, 5911), (350, 5953), (379, 6010), (539, 6259),

Gene: Joy99_31 Start: 26423, Stop: 27295, Start Num: 119

Candidate Starts for Joy99_31:

(33, 26093), (76, 26321), (99, 26396), (Start: 119 @26423 has 151 MA's), (Start: 134 @26435 has 1 MA's), (173, 26504), (Start: 189 @26531 has 17 MA's), (205, 26561), (211, 26570), (234, 26606), (238, 26615), (250, 26648), (259, 26666), (271, 26696), (301, 26756), (354, 26891), (370, 26918), (380, 26939), (391, 26963), (419, 27014), (449, 27116), (474, 27152), (486, 27176), (534, 27275), (537, 27284),

Gene: Jsquared_10 Start: 5553, Stop: 6317, Start Num: 111

Candidate Starts for Jsquared_10:

(Start: 111 @5553 has 17 MA's), (211, 5697), (259, 5784), (270, 5811), (271, 5814), (276, 5823), (303, 5892), (308, 5910), (381, 6051), (393, 6078), (404, 6093), (413, 6111), (415, 6114), (472, 6204), (504, 6273),

Gene: JuicyJay_51 Start: 44324, Stop: 45190, Start Num: 86

Candidate Starts for JuicyJay_51:

(Start: 86 @44324 has 31 MA's), (Start: 94 @44351 has 4 MA's), (Start: 110 @44372 has 51 MA's), (173, 44459), (184, 44480), (211, 44525), (226, 44546), (241, 44567), (269, 44621), (289, 44672), (308, 44723), (369, 44873), (390, 44915), (413, 44966), (423, 44984), (456, 45050), (462, 45062), (474, 45071), (489, 45101), (527, 45164),

Gene: Juliette_34 Start: 27788, Stop: 28579, Start Num: 102

Candidate Starts for Juliette_34:

(Start: 102 @27788 has 23 MA's), (Start: 134 @27821 has 1 MA's), (155, 27854), (Start: 168 @27878 has 2 MA's), (179, 27899), (184, 27908), (198, 27938), (205, 27947), (211, 27956), (234, 27992), (275, 28073), (354, 28280), (370, 28307), (380, 28328), (391, 28352), (446, 28376), (481, 28430), (486, 28442), (522, 28514),

Gene: Kabluna_21 Start: 8839, Stop: 9630, Start Num: 139

Candidate Starts for Kabluna_21:

(Start: 139 @8839 has 8 MA's), (169, 8884), (202, 8947), (210, 8959), (Start: 215 @8965 has 1 MA's), (222, 8980), (238, 9004), (242, 9013), (261, 9061), (277, 9097), (321, 9208), (328, 9229), (339, 9250), (478, 9535), (488, 9556), (491, 9565), (493, 9571), (510, 9604),

Gene: Kabocha_32 Start: 22381, Stop: 23079, Start Num: 171

Candidate Starts for Kabocha_32:

(Start: 162 @22363 has 1 MA's), (Start: 171 @22381 has 11 MA's), (Start: 215 @22444 has 1 MA's), (234, 22480), (263, 22540), (267, 22552), (277, 22573), (294, 22606), (304, 22636), (305, 22639), (311, 22660), (312, 22666), (316, 22672), (324, 22693), (377, 22798), (385, 22807), (418, 22876), (420, 22882), (443, 22918), (451, 22930), (478, 22969), (488, 22990), (524, 23059), (529, 23071), (531, 23074),

Gene: Kachowdy_10 Start: 5790, Stop: 6530, Start Num: 109

Candidate Starts for Kachowdy_10:

(Start: 109 @5790 has 18 MA's), (173, 5877), (211, 5934), (219, 5946), (221, 5949), (236, 5973), (244, 5988), (257, 6006), (269, 6036), (271, 6042), (282, 6069), (308, 6138), (333, 6210), (352, 6252), (381, 6279), (393, 6306), (413, 6339), (415, 6342), (436, 6381), (532, 6522),

Gene: Kalah2_49 Start: 42912, Stop: 43784, Start Num: 86

Candidate Starts for Kalah2_49:

(Start: 86 @42912 has 31 MA's), (Start: 94 @42939 has 4 MA's), (150, 42999), (173, 43047), (211, 43113), (226, 43134), (241, 43155), (269, 43209), (302, 43290), (421, 43569), (423, 43572), (435, 43596), (453, 43632), (460, 43647), (474, 43659), (485, 43680),

Gene: Kamaru_28 Start: 21606, Stop: 22229, Start Num: 201

Candidate Starts for Kamaru_28:

(53, 21231), (61, 21288), (68, 21333), (80, 21387), (81, 21390), (Start: 92 @21426 has 3 MA's), (113, 21471), (114, 21474), (Start: 201 @21606 has 28 MA's), (205, 21612), (223, 21642), (231, 21657), (259, 21717), (297, 21798), (308, 21837), (337, 21909), (373, 21972), (397, 22017), (406, 22035), (418, 22056), (422, 22065), (503, 22197), (507, 22206), (513, 22218),

Gene: Kanye_37 Start: 32844, Stop: 33701, Start Num: 98

Candidate Starts for Kanye_37:

(Start: 98 @32844 has 132 MA's), (Start: 121 @32883 has 2 MA's), (144, 32913), (155, 32934), (173, 32970), (Start: 189 @33000 has 17 MA's), (234, 33075), (259, 33123), (260, 33126), (270, 33150), (271, 33153), (278, 33168), (350, 33339), (404, 33453), (411, 33468), (415, 33474), (445, 33516), (446, 33519), (481, 33573), (517, 33651), (535, 33684),

Gene: KashFlow_42 Start: 36675, Stop: 37547, Start Num: 86

Candidate Starts for KashFlow_42:

(52, 36504), (Start: 86 @36675 has 31 MA's), (Start: 94 @36702 has 4 MA's), (150, 36762), (178, 36819), (184, 36831), (211, 36876), (226, 36897), (241, 36918), (269, 36972), (302, 37053), (354, 37194), (421, 37332), (423, 37335), (435, 37359), (453, 37395), (460, 37410), (474, 37422), (485, 37443),

Gene: Katyusha_44 Start: 46742, Stop: 45915, Start Num: 117

Candidate Starts for Katyusha_44:

(Start: 117 @46742 has 49 MA's), (136, 46715), (173, 46649), (228, 46556), (313, 46343), (360, 46214), (389, 46157), (448, 46034), (467, 45995), (479, 45971), (481, 45965),

Gene: Kelzog_51 Start: 46525, Stop: 45746, Start Num: 168

Candidate Starts for Kelzog_51:

(Start: 117 @46603 has 49 MA's), (136, 46579), (Start: 161 @46540 has 4 MA's), (Start: 168 @46525 has 2 MA's), (183, 46489), (206, 46450), (240, 46390), (246, 46372), (260, 46333), (276, 46297), (278, 46291), (338, 46120), (368, 46045), (383, 46015), (426, 45928), (459, 45853), (472, 45826), (501, 45766),

Gene: Kenna_27 Start: 21499, Stop: 22122, Start Num: 201

Candidate Starts for Kenna_27:

(53, 21124), (61, 21181), (68, 21226), (80, 21280), (81, 21283), (Start: 92 @21319 has 3 MA's), (113, 21364), (114, 21367), (Start: 201 @21499 has 28 MA's), (205, 21505), (223, 21535), (231, 21550), (259, 21610), (294, 21685), (308, 21730), (322, 21766), (337, 21802), (373, 21865), (397, 21910), (406, 21928), (418, 21949), (433, 21970), (503, 22090), (507, 22099), (513, 22111),

Gene: Kerberos_14 Start: 6597, Stop: 7361, Start Num: 111

Candidate Starts for Kerberos_14:

(Start: 111 @6597 has 17 MA's), (211, 6741), (259, 6828), (270, 6855), (276, 6867), (308, 6954), (352, 7068), (381, 7095), (413, 7155), (415, 7158), (435, 7194), (472, 7248), (493, 7296),

Gene: Keshu_32 Start: 27384, Stop: 28172, Start Num: 119

Candidate Starts for Keshu_32:

(99, 27360), (Start: 119 @27384 has 151 MA's), (155, 27429), (173, 27465), (205, 27522), (211, 27531), (234, 27567), (259, 27621), (269, 27645), (326, 27786), (354, 27849), (370, 27891), (380, 27912), (384, 27918), (391, 27936), (445, 27966), (486, 28035), (522, 28107), (534, 28137),

Gene: KiSi_30 Start: 25623, Stop: 26363, Start Num: 119

Candidate Starts for KiSi_30:

(76, 25521), (80, 25542), (Start: 92 @25575 has 3 MA's), (99, 25596), (Start: 119 @25623 has 151 MA's), (155, 25668), (173, 25704), (211, 25761), (234, 25797), (250, 25839), (271, 25887), (301, 25947), (354, 26082), (370, 26109), (384, 26136), (391, 26154), (446, 26178), (474, 26220), (485, 26241), (486, 26244), (534, 26343),

Gene: KidneyBean_19 Start: 9147, Stop: 9872, Start Num: 137

Candidate Starts for KidneyBean_19:

(Start: 137 @9147 has 22 MA's), (160, 9171), (175, 9204), (216, 9207), (238, 9243), (244, 9258), (261, 9300), (321, 9447), (416, 9639), (466, 9741), (478, 9771), (488, 9792), (493, 9807), (525, 9867),

Gene: Kiko_27 Start: 21413, Stop: 22117, Start Num: 127

Candidate Starts for Kiko_27:

(Start: 127 @21413 has 5 MA's), (172, 21482), (Start: 187 @21506 has 7 MA's), (221, 21566), (239, 21596), (243, 21605), (257, 21638), (269, 21668), (270, 21671), (284, 21695), (300, 21722), (311, 21761), (342, 21824), (367, 21872), (381, 21902), (385, 21908), (393, 21929), (408, 21959),

Gene: Kimberlium_33 Start: 28888, Stop: 29646, Start Num: 84

Candidate Starts for Kimberlium_33:

(Start: 84 @28888 has 1 MA's), (105, 28912), (Start: 127 @28927 has 5 MA's), (138, 28939), (211, 29050), (270, 29164), (278, 29182), (295, 29221), (303, 29245), (314, 29281), (323, 29308), (344, 29347), (413, 29455), (445, 29503), (452, 29515), (481, 29560), (486, 29572), (504, 29602),

Gene: Kimchi_37 Start: 31851, Stop: 32708, Start Num: 98

Candidate Starts for Kimchi_37:

(Start: 98 @31851 has 132 MA's), (Start: 121 @31890 has 2 MA's), (144, 31920), (155, 31941), (173, 31977), (Start: 189 @32007 has 17 MA's), (234, 32082), (259, 32130), (260, 32133), (270, 32157), (271, 32160), (278, 32175), (350, 32346), (404, 32460), (411, 32475), (415, 32481), (445, 32523), (446, 32526), (481, 32580), (517, 32658), (535, 32691),

Gene: Kimona_7 Start: 3551, Stop: 4285, Start Num: 119

Candidate Starts for Kimona_7:

(66, 3389), (Start: 119 @3551 has 151 MA's), (211, 3692), (221, 3707), (236, 3731), (271, 3800), (282, 3827), (308, 3896), (381, 4037), (393, 4064), (415, 4100), (436, 4139), (517, 4262),

Gene: Kita_27 Start: 22303, Stop: 22923, Start Num: 189

Candidate Starts for Kita_27:

(50, 21928), (80, 22099), (81, 22102), (113, 22183), (Start: 125 @22204 has 21 MA's), (Start: 189 @22303 has 17 MA's), (205, 22312), (231, 22357), (267, 22438), (308, 22537), (322, 22573), (347, 22624), (373, 22672), (406, 22735), (422, 22765), (454, 22816), (488, 22867), (503, 22894),

Gene: Klein_49 Start: 42136, Stop: 43002, Start Num: 86

Candidate Starts for Klein_49:

(Start: 86 @42136 has 31 MA's), (Start: 94 @42163 has 4 MA's), (Start: 110 @42184 has 51 MA's), (173, 42271), (184, 42292), (211, 42337), (226, 42358), (241, 42379), (269, 42433), (289, 42484), (308, 42535), (369, 42685), (390, 42727), (413, 42778), (423, 42796), (456, 42862), (462, 42874), (474, 42883), (489, 42913), (527, 42976),

Gene: Koduck_12 Start: 5840, Stop: 6604, Start Num: 111

Candidate Starts for Koduck_12:

(Start: 111 @5840 has 17 MA's), (211, 5984), (270, 6098), (271, 6101), (276, 6110), (308, 6197), (329, 6260), (381, 6338), (393, 6365), (404, 6380), (413, 6398), (415, 6401), (472, 6491), (504, 6560),

Gene: Kostya_36 Start: 31859, Stop: 32716, Start Num: 98

Candidate Starts for Kostya_36:

(Start: 98 @31859 has 132 MA's), (Start: 121 @31898 has 2 MA's), (144, 31928), (155, 31949), (173, 31985), (Start: 189 @32015 has 17 MA's), (234, 32090), (259, 32138), (260, 32141), (270, 32165), (271, 32168), (278, 32183), (350, 32354), (404, 32468), (411, 32483), (415, 32489), (445, 32531), (446, 32534), (481, 32588), (517, 32666), (535, 32699),

Gene: Kratio_29 Start: 26874, Stop: 27623, Start Num: 134

Candidate Starts for Kratio_29:

(Start: 92 @26814 has 3 MA's), (Start: 118 @26862 has 20 MA's), (Start: 134 @26874 has 1 MA's), (136, 26877), (Start: 139 @26880 has 8 MA's), (155, 26907), (173, 26943), (Start: 207 @27003 has 2 MA's), (211, 27009), (230, 27039), (234, 27045), (238, 27054), (250, 27087), (269, 27129), (270, 27132), (276, 27144), (295, 27180), (301, 27195), (311, 27231), (354, 27330), (370, 27357), (380, 27378), (449, 27441), (461, 27465), (481, 27489), (511, 27558), (534, 27603), (537, 27612),

Gene: Kraw_32 Start: 27553, Stop: 28344, Start Num: 102

Candidate Starts for Kraw_32:

(Start: 102 @27553 has 23 MA's), (Start: 134 @27586 has 1 MA's), (155, 27619), (Start: 168 @27643 has 2 MA's), (179, 27664), (205, 27712), (211, 27721), (234, 27757), (275, 27838), (354, 28045), (370, 28072), (372, 28078), (380, 28093), (391, 28117), (446, 28141), (456, 28162), (481, 28195), (486, 28207), (522, 28279),

Gene: Krueger_31 Start: 25731, Stop: 26474, Start Num: 119

Candidate Starts for Krueger_31:

(40, 25440), (49, 25482), (76, 25629), (80, 25650), (Start: 92 @25683 has 3 MA's), (99, 25704), (Start: 119 @25731 has 151 MA's), (154, 25773), (155, 25779), (173, 25815), (205, 25863), (211, 25872), (234, 25908), (250, 25950), (301, 26058), (354, 26193), (364, 26208), (370, 26220), (380, 26241), (389, 26256), (390, 26259), (391, 26265), (481, 26343), (519, 26424), (533, 26445), (534, 26454),

Gene: Kurt_19 Start: 9384, Stop: 10109, Start Num: 137

Candidate Starts for Kurt_19:

(Start: 137 @9384 has 22 MA's), (160, 9408), (175, 9441), (216, 9444), (238, 9480), (244, 9495), (261, 9537), (321, 9684), (416, 9876), (466, 9978), (478, 10008), (488, 10029), (493, 10044), (525, 10104),

Gene: Kuwabara_27 Start: 20925, Stop: 21548, Start Num: 201

Candidate Starts for Kuwabara_27:

(53, 20550), (61, 20607), (68, 20652), (80, 20706), (81, 20709), (Start: 92 @20745 has 3 MA's), (113, 20790), (114, 20793), (Start: 201 @20925 has 28 MA's), (205, 20931), (223, 20961), (231, 20976), (259, 21036), (294, 21111), (308, 21156), (322, 21192), (337, 21228), (373, 21291), (406, 21354), (418, 21375), (422, 21384), (455, 21441), (503, 21516), (507, 21525),

Gene: Kvothe_44 Start: 46641, Stop: 45814, Start Num: 117

Candidate Starts for Kvothe_44:

(Start: 117 @46641 has 49 MA's), (136, 46614), (173, 46548), (228, 46455), (313, 46242), (360, 46113), (389, 46056), (448, 45933), (467, 45894), (479, 45870), (481, 45864),

Gene: L5_12 Start: 5848, Stop: 6612, Start Num: 111

Candidate Starts for L5_12:

(Start: 111 @5848 has 17 MA's), (211, 5992), (270, 6106), (271, 6109), (276, 6118), (308, 6205), (329, 6268), (381, 6346), (393, 6373), (404, 6388), (413, 6406), (415, 6409), (472, 6499), (504, 6568),

Gene: Lamberg_23 Start: 18707, Stop: 19408, Start Num: 126

Candidate Starts for Lamberg_23:

(112, 18689), (115, 18692), (Start: 126 @18707 has 32 MA's), (Start: 187 @18800 has 7 MA's), (193, 18815), (217, 18851), (257, 18932), (270, 18965), (273, 18971), (300, 19016), (311, 19055), (381, 19193), (385, 19199), (394, 19223), (401, 19238), (509, 19400),

Gene: Larva_31 Start: 27026, Stop: 27787, Start Num: 118

Candidate Starts for Larva_31:

(Start: 92 @26978 has 3 MA's), (Start: 118 @27026 has 20 MA's), (Start: 134 @27038 has 1 MA's), (Start: 139 @27044 has 8 MA's), (155, 27071), (173, 27107), (Start: 207 @27167 has 2 MA's), (211,

27173), (230, 27203), (234, 27209), (238, 27218), (250, 27251), (269, 27293), (270, 27296), (276, 27308), (295, 27344), (301, 27359), (311, 27395), (354, 27494), (370, 27521), (380, 27542), (449, 27605), (461, 27629), (481, 27653), (511, 27722), (534, 27767), (537, 27776),

Gene: LastHope_31 Start: 25598, Stop: 26452, Start Num: 119

Candidate Starts for LastHope_31:

(76, 25496), (80, 25517), (Start: 92 @25550 has 3 MA's), (99, 25571), (Start: 119 @25598 has 151 MA's), (Start: 134 @25610 has 1 MA's), (136, 25613), (154, 25637), (155, 25643), (Start: 171 @25673 has 11 MA's), (205, 25733), (211, 25742), (250, 25820), (354, 26063), (364, 26078), (370, 26090), (380, 26111), (391, 26135), (433, 26207), (449, 26273), (476, 26312), (486, 26333), (537, 26441),

Gene: LaterM_31 Start: 26387, Stop: 27259, Start Num: 119

Candidate Starts for LaterM_31:

(99, 26360), (Start: 119 @26387 has 151 MA's), (Start: 134 @26399 has 1 MA's), (173, 26468), (Start: 189 @26495 has 17 MA's), (205, 26525), (211, 26534), (234, 26570), (238, 26579), (250, 26612), (259, 26630), (301, 26720), (354, 26855), (370, 26882), (380, 26903), (391, 26927), (419, 26978), (449, 27080), (474, 27116), (486, 27140), (534, 27239), (537, 27248),

Gene: Lavahound_29 Start: 26544, Stop: 27281, Start Num: 119

Candidate Starts for Lavahound_29:

(76, 26433), (80, 26454), (Start: 92 @26493 has 3 MA's), (99, 26514), (Start: 119 @26544 has 151 MA's), (Start: 134 @26556 has 1 MA's), (155, 26589), (173, 26625), (205, 26673), (211, 26682), (234, 26718), (250, 26760), (301, 26868), (308, 26895), (349, 26982), (354, 27000), (364, 27015), (370, 27027), (380, 27048), (391, 27072), (440, 27084), (445, 27093), (449, 27102), (481, 27150), (534, 27261), (536, 27270),

Gene: LeMond_30 Start: 25694, Stop: 26434, Start Num: 119

Candidate Starts for LeMond_30:

(76, 25592), (80, 25613), (Start: 92 @25646 has 3 MA's), (99, 25667), (Start: 119 @25694 has 151 MA's), (155, 25739), (173, 25775), (211, 25832), (234, 25868), (250, 25910), (301, 26018), (354, 26153), (370, 26180), (391, 26225), (446, 26249), (474, 26291), (485, 26312), (486, 26315), (534, 26414),

Gene: Lea83_32 Start: 27454, Stop: 28242, Start Num: 119

Candidate Starts for Lea83_32:

(34, 27130), (41, 27172), (80, 27376), (Start: 92 @27409 has 3 MA's), (Start: 119 @27454 has 151 MA's), (155, 27499), (173, 27535), (205, 27592), (211, 27601), (234, 27637), (259, 27691), (269, 27715), (326, 27856), (354, 27919), (370, 27961), (380, 27982), (384, 27988), (391, 28006), (445, 28036), (486, 28105), (522, 28177), (534, 28207),

Gene: Lebo14_32 Start: 27643, Stop: 28434, Start Num: 102

Candidate Starts for Lebo14_32:

(Start: 102 @27643 has 23 MA's), (Start: 134 @27676 has 1 MA's), (155, 27709), (Start: 168 @27733 has 2 MA's), (179, 27754), (184, 27763), (198, 27793), (205, 27802), (211, 27811), (234, 27847), (275, 27928), (354, 28135), (370, 28162), (372, 28168), (380, 28183), (389, 28198), (391, 28207), (446, 28231), (481, 28285), (486, 28297), (522, 28369),

Gene: Lenoshki_31 Start: 23245, Stop: 23943, Start Num: 171

Candidate Starts for Lenoshki_31:

(Start: 162 @23227 has 1 MA's), (Start: 171 @23245 has 11 MA's), (Start: 215 @23308 has 1 MA's), (234, 23344), (267, 23416), (277, 23437), (294, 23470), (304, 23500), (305, 23503), (311, 23524), (312, 23530), (316, 23536), (324, 23557), (377, 23662), (385, 23671), (418, 23740), (420, 23746), (443, 23782), (451, 23794), (478, 23833), (524, 23923), (529, 23935), (531, 23938),

Gene: Leopard_46 Start: 36660, Stop: 37541, Start Num: 90

Candidate Starts for Leopard_46:

(Start: 90 @36660 has 3 MA's), (164, 36756), (167, 36762), (211, 36846), (219, 36858), (270, 36960), (302, 37038), (308, 37059), (354, 37182), (368, 37221), (390, 37266), (423, 37335), (449, 37386), (453, 37395), (458, 37404), (472, 37419), (496, 37464), (516, 37500),

Gene: Leroy_28 Start: 21524, Stop: 22147, Start Num: 201

Candidate Starts for Leroy_28:

(53, 21149), (61, 21206), (68, 21251), (80, 21305), (81, 21308), (Start: 92 @21344 has 3 MA's), (113, 21389), (114, 21392), (Start: 201 @21524 has 28 MA's), (205, 21530), (223, 21560), (231, 21575), (259, 21635), (297, 21716), (308, 21755), (337, 21827), (373, 21890), (397, 21935), (406, 21953), (418, 21974), (422, 21983), (503, 22115), (507, 22124), (513, 22136),

Gene: Leston_30 Start: 27176, Stop: 28048, Start Num: 119

Candidate Starts for Leston_30:

(Start: 119 @27176 has 151 MA's), (Start: 134 @27188 has 1 MA's), (Start: 139 @27194 has 8 MA's), (155, 27221), (Start: 171 @27251 has 11 MA's), (173, 27257), (205, 27311), (211, 27320), (219, 27332), (238, 27365), (250, 27398), (271, 27446), (303, 27515), (370, 27668), (378, 27686), (380, 27689), (409, 27749), (419, 27767), (433, 27794), (449, 27866), (474, 27902), (476, 27905), (486, 27926), (511, 27983), (533, 28019), (534, 28028), (537, 28037),

Gene: Lev2_8 Start: 5172, Stop: 5981, Start Num: 110

Candidate Starts for Lev2_8:

(Start: 110 @5172 has 51 MA's), (155, 5235), (Start: 161 @5244 has 4 MA's), (Start: 171 @5265 has 11 MA's), (Start: 189 @5301 has 17 MA's), (219, 5349), (247, 5406), (256, 5430), (350, 5661), (379, 5718), (539, 5967),

Gene: Ligma_42 Start: 35273, Stop: 35995, Start Num: 126

Candidate Starts for Ligma_42:

(18, 34883), (55, 35060), (73, 35168), (Start: 126 @35273 has 32 MA's), (224, 35435), (247, 35480), (273, 35543), (284, 35561), (300, 35588), (329, 35666), (331, 35669), (367, 35738), (381, 35768), (385, 35774), (499, 35963),

Gene: LilDirt_29 Start: 26988, Stop: 27749, Start Num: 118

Candidate Starts for LilDirt_29:

(Start: 92 @26940 has 3 MA's), (Start: 118 @26988 has 20 MA's), (Start: 134 @27000 has 1 MA's), (136, 27003), (Start: 139 @27006 has 8 MA's), (155, 27033), (173, 27069), (Start: 207 @27129 has 2 MA's), (211, 27135), (230, 27165), (234, 27171), (238, 27180), (250, 27213), (269, 27255), (270, 27258), (276, 27270), (289, 27297), (295, 27306), (301, 27321), (311, 27357), (354, 27456), (370, 27483), (380, 27504), (449, 27567), (461, 27591), (481, 27615), (511, 27684), (534, 27729), (537, 27738),

Gene: LilPharaoh_27 Start: 25978, Stop: 26736, Start Num: 118

Candidate Starts for LilPharaoh_27:

(76, 25876), (Start: 92 @25930 has 3 MA's), (99, 25951), (Start: 118 @25978 has 20 MA's), (155, 26023), (173, 26059), (Start: 207 @26119 has 2 MA's), (211, 26125), (230, 26155), (250, 26203), (269, 26245), (301, 26311), (311, 26347), (354, 26446), (370, 26473), (380, 26494), (384, 26500), (440, 26539), (446, 26551), (449, 26557), (461, 26581), (481, 26605), (534, 26716), (537, 26725),

Gene: Lilac_37 Start: 31355, Stop: 32212, Start Num: 98

Candidate Starts for Lilac_37:

(Start: 98 @31355 has 132 MA's), (Start: 121 @31394 has 2 MA's), (144, 31424), (155, 31445), (173, 31481), (Start: 189 @31511 has 17 MA's), (234, 31586), (259, 31634), (260, 31637), (270, 31661), (271, 31664), (278, 31679), (350, 31850), (404, 31964), (411, 31979), (415, 31985), (445, 32027), (446, 32030), (481, 32084), (517, 32162), (535, 32195),

Gene: Lilas_27 Start: 22035, Stop: 22775, Start Num: 108

Candidate Starts for Lilas_27:

(Start: 107 @22032 has 1 MA's), (Start: 108 @22035 has 1 MA's), (Start: 125 @22059 has 21 MA's), (142, 22077), (172, 22131), (221, 22215), (243, 22254), (258, 22290), (269, 22317), (300, 22371), (305, 22389), (342, 22482), (381, 22560), (385, 22566), (497, 22743), (507, 22761),

Gene: Lilizi_37 Start: 31563, Stop: 32420, Start Num: 98

Candidate Starts for Lilizi_37:

(Start: 98 @31563 has 132 MA's), (Start: 121 @31602 has 2 MA's), (144, 31632), (155, 31653), (173, 31689), (Start: 189 @31719 has 17 MA's), (234, 31794), (259, 31842), (260, 31845), (270, 31869), (271, 31872), (278, 31887), (350, 32058), (404, 32172), (411, 32187), (415, 32193), (445, 32235), (446, 32238), (481, 32292), (517, 32370), (535, 32403),

Gene: Lilpickle_34 Start: 31065, Stop: 31922, Start Num: 98

Candidate Starts for Lilpickle_34:

(Start: 98 @31065 has 132 MA's), (Start: 121 @31104 has 2 MA's), (144, 31134), (155, 31155), (173, 31191), (Start: 189 @31221 has 17 MA's), (234, 31296), (259, 31344), (260, 31347), (270, 31371), (271, 31374), (278, 31389), (350, 31560), (404, 31674), (411, 31689), (415, 31695), (445, 31737), (446, 31740), (481, 31794), (517, 31872), (535, 31905),

Gene: LindNT_31 Start: 26427, Stop: 27299, Start Num: 119

Candidate Starts for LindNT_31:

(99, 26400), (Start: 119 @26427 has 151 MA's), (Start: 134 @26439 has 1 MA's), (173, 26508), (Start: 189 @26535 has 17 MA's), (205, 26565), (211, 26574), (234, 26610), (238, 26619), (250, 26652), (259, 26670), (301, 26760), (354, 26895), (370, 26922), (380, 26943), (391, 26967), (419, 27018), (449, 27120), (474, 27156), (486, 27180), (534, 27279), (537, 27288),

Gene: Linetti_51 Start: 47526, Stop: 46666, Start Num: 117

Candidate Starts for Linetti_51:

(Start: 117 @47526 has 49 MA's), (136, 47502), (Start: 168 @47448 has 2 MA's), (183, 47412), (206, 47373), (240, 47313), (246, 47295), (260, 47256), (276, 47220), (278, 47214), (338, 47043), (368, 46968), (383, 46938), (426, 46851), (472, 46749), (498, 46695), (501, 46689),

Gene: LitninMcQueen_27 Start: 21255, Stop: 21878, Start Num: 201

Candidate Starts for LitninMcQueen_27:

(53, 20880), (61, 20937), (68, 20982), (80, 21036), (81, 21039), (Start: 92 @21075 has 3 MA's), (113, 21120), (114, 21123), (Start: 201 @21255 has 28 MA's), (205, 21261), (223, 21291), (231, 21306), (259, 21366), (308, 21486), (337, 21558), (373, 21621), (397, 21666), (406, 21684), (418, 21705), (422, 21714), (503, 21846), (507, 21855), (513, 21867),

Gene: LittleCherry_8 Start: 5356, Stop: 6165, Start Num: 110

Candidate Starts for LittleCherry_8:

(Start: 110 @5356 has 51 MA's), (155, 5419), (Start: 161 @5428 has 4 MA's), (Start: 189 @5485 has 17 MA's), (219, 5533), (256, 5614), (332, 5803), (350, 5845), (379, 5902), (399, 5944), (539, 6151),

Gene: LittleE_53 Start: 42373, Stop: 43245, Start Num: 86

Candidate Starts for LittleE_53:

(Start: 86 @42373 has 31 MA's), (Start: 94 @42400 has 4 MA's), (184, 42529), (211, 42574), (226, 42595), (241, 42616), (269, 42670), (302, 42751), (421, 43030), (423, 43033), (453, 43093), (460, 43108), (474, 43120), (485, 43141),

Gene: LittleMunchkin_44 Start: 38558, Stop: 39280, Start Num: 124

Candidate Starts for LittleMunchkin_44:

(58, 38360), (70, 38423), (73, 38432), (Start: 124 @38558 has 6 MA's), (221, 38717), (224, 38723), (239, 38747), (247, 38768), (252, 38783), (273, 38831), (301, 38879), (331, 38954), (367, 39023), (381, 39053), (409, 39113), (450, 39161), (505, 39260),

Gene: Liveloughbron_36 Start: 31972, Stop: 32829, Start Num: 98

Candidate Starts for Liveloughbron_36:

(Start: 98 @31972 has 132 MA's), (Start: 121 @32011 has 2 MA's), (144, 32041), (155, 32062), (173, 32098), (Start: 189 @32128 has 17 MA's), (234, 32203), (259, 32251), (260, 32254), (270, 32278), (271, 32281), (278, 32296), (350, 32467), (397, 32566), (404, 32581), (411, 32596), (415, 32602), (445, 32644), (446, 32647), (481, 32701), (517, 32779), (535, 32812),

Gene: Lizzo_49 Start: 46585, Stop: 45728, Start Num: 117

Candidate Starts for Lizzo_49:

(Start: 117 @46585 has 49 MA's), (136, 46561), (Start: 161 @46522 has 4 MA's), (Start: 168 @46507 has 2 MA's), (183, 46471), (206, 46432), (240, 46372), (246, 46354), (260, 46315), (276, 46279), (278, 46273), (338, 46102), (368, 46027), (383, 45997), (426, 45910), (459, 45835), (472, 45808), (501, 45748),

Gene: Llorens_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Llorens_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: Lollipop1437_23 Start: 10516, Stop: 11289, Start Num: 137

Candidate Starts for Lollipop1437_23:

(Start: 137 @10516 has 22 MA's), (Start: 215 @10624 has 1 MA's), (216, 10627), (244, 10678), (261, 10720), (308, 10834), (328, 10888), (488, 11209), (513, 11263),

Gene: LonelyBoi_27 Start: 22523, Stop: 23143, Start Num: 201

Candidate Starts for LonelyBoi_27:

(150, 22436), (Start: 201 @22523 has 28 MA's), (205, 22529), (223, 22559), (231, 22574), (233, 22577), (247, 22610), (267, 22655), (294, 22709), (308, 22754), (337, 22826), (373, 22889), (406, 22952), (454, 23033), (503, 23111), (507, 23120), (509, 23123),

Gene: LordFarquaad_24 Start: 19791, Stop: 20498, Start Num: 126

Candidate Starts for LordFarquaad_24:

(69, 19647), (Start: 126 @19791 has 32 MA's), (165, 19848), (Start: 187 @19887 has 7 MA's), (221, 19947), (232, 19965), (234, 19968), (243, 19986), (258, 20022), (259, 20025), (273, 20058), (284, 20076), (300, 20103), (329, 20181), (367, 20250), (381, 20280), (385, 20286), (509, 20490),

Gene: Lton_23 Start: 18736, Stop: 19437, Start Num: 126

Candidate Starts for Lton_23:

(112, 18718), (115, 18721), (Start: 126 @18736 has 32 MA's), (193, 18844), (217, 18880), (257, 18961), (270, 18994), (273, 19000), (300, 19045), (311, 19084), (381, 19222), (385, 19228), (413,

19285), (509, 19429),

Gene: Lucky10_24 Start: 19603, Stop: 20307, Start Num: 126

Candidate Starts for Lucky10_24:

(Start: 126 @19603 has 32 MA's), (165, 19660), (Start: 187 @19699 has 7 MA's), (239, 19789), (247, 19810), (249, 19813), (259, 19837), (269, 19861), (270, 19864), (277, 19879), (300, 19915), (329, 19993), (346, 20020), (371, 20071), (381, 20092), (493, 20269), (509, 20299),

Gene: Lunahalos_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Lunahalos_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: Lutum_28 Start: 21499, Stop: 22122, Start Num: 201

Candidate Starts for Lutum_28:

(53, 21124), (61, 21181), (68, 21226), (80, 21280), (81, 21283), (Start: 92 @21319 has 3 MA's), (113, 21364), (114, 21367), (Start: 201 @21499 has 28 MA's), (205, 21505), (223, 21535), (231, 21550), (259, 21610), (294, 21685), (308, 21730), (322, 21766), (337, 21802), (373, 21865), (397, 21910), (406, 21928), (418, 21949), (433, 21970), (503, 22090), (507, 22099), (513, 22111),

Gene: MA5_10 Start: 5337, Stop: 6077, Start Num: 109

Candidate Starts for MA5_10:

(56, 5151), (66, 5220), (Start: 109 @5337 has 18 MA's), (173, 5424), (211, 5481), (219, 5493), (221, 5496), (236, 5520), (244, 5535), (269, 5583), (271, 5589), (282, 5616), (308, 5685), (333, 5757), (352, 5799), (381, 5826), (393, 5853), (413, 5886), (415, 5889), (436, 5928), (532, 6069),

Gene: MISSy_34 Start: 31371, Stop: 32228, Start Num: 98

Candidate Starts for MISSy_34:

(Start: 98 @31371 has 132 MA's), (Start: 121 @31410 has 2 MA's), (144, 31440), (155, 31461), (173, 31497), (Start: 189 @31527 has 17 MA's), (234, 31602), (259, 31650), (260, 31653), (270, 31677), (271, 31680), (278, 31695), (350, 31866), (397, 31965), (404, 31980), (411, 31995), (415, 32001), (445, 32043), (446, 32046), (481, 32100), (517, 32178), (535, 32211),

Gene: MK4_10 Start: 5610, Stop: 6350, Start Num: 109

Candidate Starts for MK4_10:

(Start: 109 @5610 has 18 MA's), (173, 5697), (211, 5754), (219, 5766), (221, 5769), (236, 5793), (244, 5808), (269, 5856), (271, 5862), (282, 5889), (308, 5958), (333, 6030), (352, 6072), (381, 6099), (393, 6126), (413, 6159), (415, 6162), (436, 6201), (474, 6255), (532, 6342),

Gene: MPhalcon_34 Start: 31364, Stop: 32221, Start Num: 98

Candidate Starts for MPhalcon_34:

(Start: 98 @31364 has 132 MA's), (Start: 121 @31403 has 2 MA's), (144, 31433), (155, 31454), (173, 31490), (Start: 189 @31520 has 17 MA's), (234, 31595), (259, 31643), (260, 31646), (270, 31670), (271, 31673), (278, 31688), (350, 31859), (404, 31973), (411, 31988), (415, 31994), (445, 32036), (446, 32039), (481, 32093), (517, 32171), (535, 32204),

Gene: MacGully_23 Start: 9496, Stop: 10359, Start Num: 96

Candidate Starts for MacGully_23:

(23, 9142), (31, 9184), (Start: 96 @9496 has 7 MA's), (133, 9559), (149, 9574), (200, 9679), (208, 9691), (220, 9712), (262, 9802), (274, 9829), (293, 9853), (302, 9883), (309, 9904), (338, 9979), (381,

10066), (402, 10111), (439, 10183), (440, 10189), (446, 10201), (495, 10282), (512, 10315), (520, 10327),

Gene: MacKat_31 Start: 26471, Stop: 27343, Start Num: 119

Candidate Starts for MacKat_31:

(99, 26444), (Start: 119 @26471 has 151 MA's), (Start: 134 @26483 has 1 MA's), (173, 26552), (Start: 189 @26579 has 17 MA's), (205, 26609), (211, 26618), (234, 26654), (238, 26663), (250, 26696), (259, 26714), (271, 26744), (300, 26801), (301, 26804), (354, 26939), (370, 26966), (380, 26987), (391, 27011), (419, 27062), (449, 27164), (474, 27200), (486, 27224), (534, 27323), (537, 27332),

Gene: MacnCheese_32 Start: 27431, Stop: 28219, Start Num: 119

Candidate Starts for MacnCheese_32:

(99, 27407), (Start: 119 @27431 has 151 MA's), (155, 27476), (173, 27512), (205, 27569), (211, 27578), (234, 27614), (259, 27668), (269, 27692), (326, 27833), (354, 27896), (370, 27938), (380, 27959), (384, 27965), (391, 27983), (445, 28013), (446, 28016), (472, 28055), (486, 28082), (522, 28154), (534, 28184),

Gene: MadamMonkfish_35 Start: 31276, Stop: 32133, Start Num: 98

Candidate Starts for MadamMonkfish_35:

(Start: 98 @31276 has 132 MA's), (Start: 121 @31315 has 2 MA's), (144, 31345), (155, 31366), (173, 31402), (Start: 189 @31432 has 17 MA's), (234, 31507), (259, 31555), (260, 31558), (270, 31582), (271, 31585), (278, 31600), (350, 31771), (404, 31885), (411, 31900), (415, 31906), (445, 31948), (446, 31951), (481, 32005), (517, 32083), (535, 32116),

Gene: Madavieve_25 Start: 22640, Stop: 23206, Start Num: 231

Candidate Starts for Madavieve_25:

(Start: 125 @22490 has 21 MA's), (159, 22529), (176, 22562), (Start: 188 @22589 has 13 MA's), (231, 22640), (238, 22652), (259, 22700), (267, 22721), (277, 22742), (294, 22775), (308, 22820), (322, 22856), (323, 22859), (347, 22907), (406, 23018), (422, 23048), (454, 23099), (503, 23177),

Gene: Madeline_25 Start: 22607, Stop: 23224, Start Num: 188

Candidate Starts for Madeline_25:

(Start: 125 @22508 has 21 MA's), (159, 22547), (176, 22580), (Start: 188 @22607 has 13 MA's), (Start: 207 @22616 has 2 MA's), (231, 22658), (238, 22670), (259, 22718), (267, 22739), (277, 22760), (294, 22793), (308, 22838), (322, 22874), (323, 22877), (347, 22925), (406, 23036), (422, 23066), (454, 23117), (503, 23195),

Gene: MagicMan_26 Start: 21754, Stop: 22467, Start Num: 131

Candidate Starts for MagicMan_26:

(95, 21697), (Start: 131 @21754 has 21 MA's), (Start: 187 @21847 has 7 MA's), (193, 21862), (221, 21907), (259, 21985), (269, 22009), (302, 22072), (305, 22081), (338, 22156), (374, 22231), (381, 22243), (385, 22249), (473, 22384),

Gene: MajorMajor_10 Start: 5599, Stop: 6363, Start Num: 111

Candidate Starts for MajorMajor_10:

(Start: 111 @5599 has 17 MA's), (211, 5743), (270, 5857), (271, 5860), (276, 5869), (303, 5938), (308, 5956), (329, 6019), (381, 6097), (393, 6124), (404, 6139), (413, 6157), (415, 6160), (472, 6250), (504, 6319),

Gene: MakoManhole_45 Start: 37571, Stop: 38293, Start Num: 131

Candidate Starts for MakoManhole_45:

(64, 37385), (Start: 131 @37571 has 21 MA's), (186, 37664), (224, 37733), (241, 37760), (243, 37766), (300, 37880), (332, 37964), (381, 38057), (394, 38087),

Gene: MalagasyRose_31 Start: 25844, Stop: 26686, Start Num: 119

Candidate Starts for MalagasyRose_31:

(99, 25817), (Start: 119 @25844 has 151 MA's), (Start: 134 @25856 has 1 MA's), (154, 25883), (155, 25889), (Start: 171 @25919 has 11 MA's), (184, 25943), (205, 25979), (211, 25988), (234, 26024), (250, 26066), (300, 26171), (364, 26324), (370, 26336), (380, 26357), (391, 26381), (404, 26408), (409, 26417), (449, 26507), (476, 26546), (486, 26567), (534, 26666),

Gene: Malibo_27 Start: 21379, Stop: 21999, Start Num: 188

Candidate Starts for Malibo_27:

(Start: 188 @21379 has 13 MA's), (205, 21385), (231, 21430), (238, 21442), (277, 21532), (294, 21565), (308, 21610), (323, 21649), (347, 21697), (353, 21718), (406, 21808), (422, 21838), (454, 21889), (503, 21967),

Gene: Malisha_30 Start: 24037, Stop: 24663, Start Num: 189

Candidate Starts for Malisha_30:

(Start: 189 @24037 has 17 MA's), (231, 24091), (244, 24118), (259, 24151), (267, 24172), (294, 24226), (301, 24244), (322, 24307), (323, 24310), (324, 24313), (337, 24343), (373, 24406), (406, 24469), (422, 24499), (503, 24631), (507, 24640),

Gene: Malthus_33 Start: 27553, Stop: 28344, Start Num: 102

Candidate Starts for Malthus_33:

(Start: 102 @27553 has 23 MA's), (Start: 134 @27586 has 1 MA's), (155, 27619), (Start: 168 @27643 has 2 MA's), (179, 27664), (205, 27712), (211, 27721), (234, 27757), (275, 27838), (354, 28045), (370, 28072), (372, 28078), (380, 28093), (391, 28117), (446, 28141), (456, 28162), (481, 28195), (486, 28207), (522, 28279),

Gene: Manasvini_27 Start: 22303, Stop: 22923, Start Num: 189

Candidate Starts for Manasvini_27:

(50, 21928), (80, 22099), (81, 22102), (113, 22183), (Start: 125 @22204 has 21 MA's), (Start: 189 @22303 has 17 MA's), (205, 22312), (231, 22357), (267, 22438), (308, 22537), (322, 22573), (347, 22624), (373, 22672), (406, 22735), (422, 22765), (454, 22816), (488, 22867), (503, 22894),

Gene: Manda_36 Start: 32343, Stop: 33200, Start Num: 98

Candidate Starts for Manda_36:

(Start: 98 @32343 has 132 MA's), (Start: 121 @32382 has 2 MA's), (144, 32412), (155, 32433), (173, 32469), (Start: 189 @32499 has 17 MA's), (234, 32574), (259, 32622), (260, 32625), (270, 32649), (271, 32652), (278, 32667), (350, 32838), (404, 32952), (411, 32967), (415, 32973), (445, 33015), (446, 33018), (481, 33072), (517, 33150), (535, 33183),

Gene: Manilisa_49 Start: 36357, Stop: 37163, Start Num: 116

Candidate Starts for Manilisa_49:

(105, 36342), (Start: 116 @36357 has 9 MA's), (157, 36420), (223, 36525), (226, 36531), (287, 36654), (343, 36798), (382, 36879), (395, 36909), (400, 36915), (426, 36966), (500, 37092), (526, 37140),

Gene: Marchesa_10 Start: 5790, Stop: 6530, Start Num: 109

Candidate Starts for Marchesa_10:

(Start: 109 @5790 has 18 MA's), (173, 5877), (211, 5934), (219, 5946), (221, 5949), (236, 5973), (244, 5988), (257, 6006), (269, 6036), (271, 6042), (276, 6051), (282, 6069), (303, 6120), (308, 6138), (333, 6210), (352, 6252), (381, 6279), (393, 6306), (413, 6339), (415, 6342), (436, 6381), (532, 6522),

Gene: Maridalia_26 Start: 22303, Stop: 22923, Start Num: 189

Candidate Starts for Maridalia_26:

(50, 21928), (80, 22099), (81, 22102), (113, 22183), (Start: 125 @22204 has 21 MA's), (Start: 189 @22303 has 17 MA's), (205, 22312), (231, 22357), (267, 22438), (308, 22537), (322, 22573), (347, 22624), (373, 22672), (406, 22735), (422, 22765), (454, 22816), (488, 22867), (503, 22894),

Gene: Marietta_19 Start: 7689, Stop: 8432, Start Num: 140

Candidate Starts for Marietta_19:

(78, 7560), (Start: 137 @7686 has 22 MA's), (Start: 140 @7689 has 2 MA's), (Start: 215 @7752 has 1 MA's), (216, 7755), (222, 7767), (261, 7848), (321, 7998), (330, 8022), (347, 8055), (416, 8187), (468, 8301), (470, 8313), (488, 8349), (513, 8403),

Gene: Mariokart_42 Start: 35106, Stop: 35828, Start Num: 126

Candidate Starts for Mariokart_42:

(1, 33240), (2, 33684), (3, 33756), (4, 33807), (6, 33999), (8, 34224), (11, 34527), (Start: 126 @35106 has 32 MA's), (221, 35262), (224, 35268), (247, 35313), (257, 35337), (273, 35376), (277, 35385), (284, 35394), (300, 35421), (301, 35424), (367, 35571), (381, 35601), (385, 35607), (456, 35718), (475, 35742), (497, 35793), (505, 35808),

Gene: MarkPhew_31 Start: 25592, Stop: 26332, Start Num: 119

Candidate Starts for MarkPhew_31:

(76, 25490), (80, 25511), (Start: 92 @25544 has 3 MA's), (99, 25565), (Start: 119 @25592 has 151 MA's), (154, 25631), (155, 25637), (173, 25673), (211, 25730), (234, 25766), (250, 25808), (271, 25856), (301, 25916), (370, 26078), (384, 26105), (391, 26123), (440, 26135), (474, 26189), (486, 26213), (534, 26312), (537, 26321),

Gene: Marshawn_32 Start: 26272, Stop: 27012, Start Num: 119

Candidate Starts for Marshawn_32:

(Start: 92 @26224 has 3 MA's), (99, 26245), (Start: 119 @26272 has 151 MA's), (Start: 134 @26284 has 1 MA's), (154, 26311), (155, 26317), (173, 26353), (211, 26410), (219, 26422), (234, 26446), (250, 26488), (271, 26536), (301, 26596), (354, 26731), (370, 26758), (391, 26803), (446, 26827), (474, 26869), (485, 26890), (486, 26893), (534, 26992), (537, 27001),

Gene: Marshmallow_35 Start: 31856, Stop: 32713, Start Num: 98

Candidate Starts for Marshmallow_35:

(Start: 98 @31856 has 132 MA's), (Start: 121 @31895 has 2 MA's), (144, 31925), (155, 31946), (173, 31982), (Start: 189 @32012 has 17 MA's), (234, 32087), (259, 32135), (260, 32138), (270, 32162), (271, 32165), (278, 32180), (350, 32351), (404, 32465), (411, 32480), (415, 32486), (445, 32528), (446, 32531), (481, 32585), (517, 32663), (535, 32696),

Gene: Marteena_27 Start: 21910, Stop: 22626, Start Num: 125

Candidate Starts for Marteena_27:

(Start: 107 @21883 has 1 MA's), (Start: 108 @21886 has 1 MA's), (Start: 125 @21910 has 21 MA's), (142, 21928), (172, 21982), (221, 22066), (243, 22105), (258, 22141), (269, 22168), (300, 22222), (305, 22240), (342, 22333), (381, 22411), (385, 22417), (497, 22594), (507, 22612),

Gene: MarysWell_7 Start: 5323, Stop: 6132, Start Num: 110

Candidate Starts for MarysWell_7:

(Start: 110 @5323 has 51 MA's), (155, 5386), (Start: 161 @5395 has 4 MA's), (Start: 189 @5452 has 17 MA's), (219, 5500), (332, 5770), (350, 5812), (379, 5869), (399, 5911), (539, 6118),

Gene: Maselop_20 Start: 9989, Stop: 10885, Start Num: 96

Candidate Starts for Maselop_20:

(42, 9752), (Start: 96 @9989 has 7 MA's), (149, 10067), (190, 10154), (218, 10202), (227, 10217), (266, 10295), (288, 10340), (338, 10472), (386, 10565), (392, 10580), (440, 10679), (471, 10760),

(495, 10808), (520, 10853),

Gene: Matteo_23 Start: 18653, Stop: 19369, Start Num: 125

Candidate Starts for Matteo_23:

(Start: 107 @18626 has 1 MA's), (Start: 108 @18629 has 1 MA's), (Start: 125 @18653 has 21 MA's), (142, 18671), (172, 18725), (221, 18809), (243, 18848), (258, 18884), (269, 18911), (300, 18965), (305, 18983), (329, 19046), (342, 19076), (381, 19154), (385, 19160), (510, 19361),

Gene: Maxxinista_36 Start: 31325, Stop: 32182, Start Num: 98

Candidate Starts for Maxxinista_36:

(Start: 98 @31325 has 132 MA's), (Start: 121 @31364 has 2 MA's), (144, 31394), (155, 31415), (173, 31451), (Start: 189 @31481 has 17 MA's), (234, 31556), (259, 31604), (260, 31607), (270, 31631), (271, 31634), (278, 31649), (350, 31820), (404, 31934), (411, 31949), (415, 31955), (445, 31997), (446, 32000), (481, 32054), (517, 32132), (535, 32165),

Gene: McMater_31 Start: 25850, Stop: 26611, Start Num: 119

Candidate Starts for McMater_31:

(99, 25820), (Start: 119 @25850 has 151 MA's), (155, 25895), (173, 25931), (Start: 207 @25991 has 2 MA's), (211, 25997), (230, 26027), (234, 26033), (238, 26042), (250, 26075), (269, 26117), (295, 26168), (301, 26183), (354, 26318), (370, 26345), (380, 26366), (384, 26372), (391, 26390), (446, 26423), (449, 26429), (481, 26477), (514, 26549), (534, 26591), (537, 26600),

Gene: Mdavu_27 Start: 25966, Stop: 26724, Start Num: 118

Candidate Starts for Mdavu_27:

(76, 25864), (Start: 92 @25918 has 3 MA's), (99, 25939), (Start: 118 @25966 has 20 MA's), (155, 26011), (173, 26047), (Start: 207 @26107 has 2 MA's), (211, 26113), (230, 26143), (250, 26191), (269, 26233), (301, 26299), (311, 26335), (354, 26434), (370, 26461), (380, 26482), (384, 26488), (440, 26527), (446, 26539), (449, 26545), (461, 26569), (481, 26593), (534, 26704), (537, 26713),

Gene: MeaningOfLife_31 Start: 26430, Stop: 27302, Start Num: 119

Candidate Starts for MeaningOfLife_31:

(99, 26403), (Start: 119 @26430 has 151 MA's), (Start: 134 @26442 has 1 MA's), (173, 26511), (Start: 189 @26538 has 17 MA's), (205, 26568), (211, 26577), (234, 26613), (238, 26622), (250, 26655), (259, 26673), (271, 26703), (301, 26763), (354, 26898), (370, 26925), (380, 26946), (391, 26970), (419, 27021), (449, 27123), (474, 27159), (486, 27183), (534, 27282), (537, 27291),

Gene: Megsy_31 Start: 26430, Stop: 27302, Start Num: 119

Candidate Starts for Megsy_31:

(99, 26403), (Start: 119 @26430 has 151 MA's), (Start: 134 @26442 has 1 MA's), (173, 26511), (Start: 189 @26538 has 17 MA's), (205, 26568), (211, 26577), (234, 26613), (238, 26622), (250, 26655), (259, 26673), (301, 26763), (354, 26898), (370, 26925), (380, 26946), (391, 26970), (419, 27021), (449, 27123), (474, 27159), (486, 27183), (534, 27282), (537, 27291),

Gene: MerCougar_19 Start: 8841, Stop: 9629, Start Num: 139

Candidate Starts for MerCougar_19:

(Start: 139 @8841 has 8 MA's), (151, 8850), (197, 8940), (Start: 215 @8964 has 1 MA's), (222, 8979), (242, 9012), (261, 9060), (328, 9228), (339, 9249), (488, 9555), (491, 9564), (493, 9570), (497, 9579), (510, 9603),

Gene: Meyran_46 Start: 36292, Stop: 37098, Start Num: 116

Candidate Starts for Meyran_46:

(Start: 116 @36292 has 9 MA's), (157, 36355), (223, 36460), (226, 36466), (343, 36733), (382, 36814), (395, 36844), (400, 36850), (426, 36901), (500, 37027), (526, 37075),

Gene: Micasa_8 Start: 5324, Stop: 6133, Start Num: 110

Candidate Starts for Micasa_8:

(Start: 110 @5324 has 51 MA's), (155, 5387), (Start: 161 @5396 has 4 MA's), (Start: 189 @5453 has 17 MA's), (219, 5501), (256, 5582), (332, 5771), (350, 5813), (379, 5870), (399, 5912), (539, 6119),

Gene: Midas2_8 Start: 5323, Stop: 6132, Start Num: 110

Candidate Starts for Midas2_8:

(Start: 110 @5323 has 51 MA's), (155, 5386), (Start: 161 @5395 has 4 MA's), (Start: 189 @5452 has 17 MA's), (219, 5500), (332, 5770), (350, 5812), (379, 5869), (399, 5911), (539, 6118),

Gene: Mikronejon_30 Start: 21568, Stop: 22266, Start Num: 171

Candidate Starts for Mikronejon_30:

(Start: 162 @21550 has 1 MA's), (Start: 171 @21568 has 11 MA's), (Start: 215 @21631 has 1 MA's), (234, 21667), (263, 21727), (267, 21739), (277, 21760), (294, 21793), (304, 21823), (305, 21826), (311, 21847), (312, 21853), (316, 21859), (324, 21880), (377, 21985), (385, 21994), (418, 22063), (420, 22069), (443, 22105), (451, 22117), (478, 22156), (488, 22177), (524, 22246), (529, 22258), (531, 22261),

Gene: Milcery_8 Start: 5360, Stop: 6169, Start Num: 110

Candidate Starts for Milcery_8:

(Start: 110 @5360 has 51 MA's), (155, 5423), (Start: 161 @5432 has 4 MA's), (Start: 189 @5489 has 17 MA's), (219, 5537), (256, 5618), (332, 5807), (350, 5849), (379, 5906), (399, 5948), (539, 6155),

Gene: Mindy_35 Start: 31636, Stop: 32493, Start Num: 98

Candidate Starts for Mindy_35:

(Start: 98 @31636 has 132 MA's), (Start: 121 @31675 has 2 MA's), (144, 31705), (155, 31726), (173, 31762), (Start: 189 @31792 has 17 MA's), (234, 31867), (259, 31915), (260, 31918), (270, 31942), (271, 31945), (278, 31960), (350, 32131), (404, 32245), (411, 32260), (415, 32266), (445, 32308), (446, 32311), (481, 32365), (517, 32443), (535, 32476),

Gene: Minerva_55 Start: 43973, Stop: 44845, Start Num: 86

Candidate Starts for Minerva_55:

(Start: 86 @43973 has 31 MA's), (Start: 94 @44000 has 4 MA's), (173, 44108), (184, 44129), (211, 44174), (226, 44195), (241, 44216), (269, 44270), (289, 44321), (308, 44372), (369, 44522), (421, 44630), (423, 44633), (435, 44657), (453, 44693), (460, 44708), (474, 44720), (485, 44741),

Gene: Miniwave_35 Start: 32055, Stop: 32912, Start Num: 98

Candidate Starts for Miniwave_35:

(Start: 98 @32055 has 132 MA's), (Start: 121 @32094 has 2 MA's), (144, 32124), (155, 32145), (173, 32181), (Start: 189 @32211 has 17 MA's), (234, 32286), (259, 32334), (260, 32337), (270, 32361), (271, 32364), (278, 32379), (350, 32550), (404, 32664), (411, 32679), (415, 32685), (445, 32727), (446, 32730), (481, 32784), (517, 32862), (535, 32895),

Gene: MintFritos_30 Start: 21568, Stop: 22266, Start Num: 171

Candidate Starts for MintFritos_30:

(Start: 162 @21550 has 1 MA's), (Start: 171 @21568 has 11 MA's), (Start: 215 @21631 has 1 MA's), (234, 21667), (263, 21727), (267, 21739), (277, 21760), (294, 21793), (304, 21823), (305, 21826), (311, 21847), (312, 21853), (316, 21859), (324, 21880), (377, 21985), (385, 21994), (418, 22063), (420, 22069), (443, 22105), (451, 22117), (478, 22156), (488, 22177), (524, 22246), (529, 22258), (531, 22261),

Gene: Miryou_30 Start: 27031, Stop: 27903, Start Num: 119

Candidate Starts for Miryou_30:

(76, 26929), (Start: 92 @26983 has 3 MA's), (Start: 119 @27031 has 151 MA's), (Start: 134 @27043 has 1 MA's), (136, 27046), (Start: 139 @27049 has 8 MA's), (155, 27076), (Start: 171 @27106 has 11 MA's), (173, 27112), (205, 27166), (211, 27175), (219, 27187), (238, 27220), (250, 27253), (271, 27301), (370, 27523), (378, 27541), (380, 27544), (409, 27604), (433, 27649), (449, 27721), (474, 27757), (476, 27760), (486, 27781), (511, 27838), (533, 27874), (534, 27883), (537, 27892),

Gene: Misfit_35 Start: 31945, Stop: 32802, Start Num: 98

Candidate Starts for Misfit_35:

(Start: 98 @31945 has 132 MA's), (Start: 121 @31984 has 2 MA's), (144, 32014), (155, 32035), (173, 32071), (Start: 189 @32101 has 17 MA's), (234, 32176), (259, 32224), (260, 32227), (270, 32251), (271, 32254), (278, 32269), (350, 32440), (404, 32554), (411, 32569), (415, 32575), (445, 32617), (446, 32620), (481, 32674), (517, 32752), (535, 32785),

Gene: MissDaisy_32 Start: 27396, Stop: 28187, Start Num: 102

Candidate Starts for MissDaisy_32:

(72, 27291), (76, 27309), (83, 27336), (89, 27357), (Start: 102 @27396 has 23 MA's), (Start: 134 @27429 has 1 MA's), (155, 27462), (184, 27516), (205, 27555), (211, 27564), (234, 27600), (238, 27609), (315, 27792), (354, 27888), (370, 27915), (380, 27936), (389, 27951), (391, 27960), (446, 27984), (481, 28038), (486, 28050), (522, 28122), (533, 28143),

Gene: MissWhite_11 Start: 5672, Stop: 6478, Start Num: 116

Candidate Starts for MissWhite_11:

(Start: 116 @5672 has 9 MA's), (Start: 189 @5798 has 17 MA's), (219, 5846), (226, 5858), (254, 5924), (307, 6056), (342, 6140), (350, 6158), (369, 6197), (379, 6215), (487, 6350), (511, 6401), (539, 6464),

Gene: Mitti_32 Start: 27554, Stop: 28345, Start Num: 102

Candidate Starts for Mitti_32:

(Start: 102 @27554 has 23 MA's), (Start: 134 @27587 has 1 MA's), (155, 27620), (Start: 168 @27644 has 2 MA's), (179, 27665), (184, 27674), (198, 27704), (205, 27713), (211, 27722), (234, 27758), (275, 27839), (354, 28046), (370, 28073), (380, 28094), (389, 28109), (391, 28118), (446, 28142), (481, 28196), (486, 28208), (522, 28280),

Gene: Mocha12_24 Start: 19798, Stop: 20505, Start Num: 126

Candidate Starts for Mocha12_24:

(69, 19654), (Start: 126 @19798 has 32 MA's), (165, 19855), (Start: 187 @19894 has 7 MA's), (217, 19945), (221, 19954), (232, 19972), (234, 19975), (258, 20029), (259, 20032), (273, 20065), (284, 20083), (300, 20110), (329, 20188), (367, 20257), (369, 20263), (381, 20287), (385, 20293), (509, 20497),

Gene: Moldemort_36 Start: 31600, Stop: 32457, Start Num: 98

Candidate Starts for Moldemort_36:

(Start: 98 @31600 has 132 MA's), (Start: 121 @31639 has 2 MA's), (144, 31669), (155, 31690), (173, 31726), (Start: 189 @31756 has 17 MA's), (234, 31831), (259, 31879), (260, 31882), (270, 31906), (271, 31909), (278, 31924), (350, 32095), (404, 32209), (411, 32224), (415, 32230), (445, 32272), (446, 32275), (481, 32329), (517, 32407), (535, 32440),

Gene: MollyToe_35 Start: 32029, Stop: 32886, Start Num: 98

Candidate Starts for MollyToe_35:

(Start: 98 @32029 has 132 MA's), (Start: 121 @32068 has 2 MA's), (144, 32098), (155, 32119), (173, 32155), (Start: 189 @32185 has 17 MA's), (234, 32260), (259, 32308), (260, 32311), (270, 32335), (271, 32338), (278, 32353), (350, 32524), (397, 32623), (404, 32638), (411, 32653), (415, 32659), (445, 32701), (446, 32704), (481, 32758), (517, 32836), (535, 32869),

Gene: Monty_48 Start: 45657, Stop: 44878, Start Num: 168

Candidate Starts for Monty_48:

(Start: 117 @45735 has 49 MA's), (136, 45711), (Start: 161 @45672 has 4 MA's), (Start: 168 @45657 has 2 MA's), (183, 45621), (206, 45582), (240, 45522), (246, 45504), (260, 45465), (276, 45429), (278, 45423), (338, 45252), (368, 45177), (383, 45147), (426, 45060), (459, 44985), (472, 44958), (501, 44898),

Gene: Moonflower_27 Start: 22646, Stop: 23239, Start Num: 193

Candidate Starts for Moonflower_27:

(Start: 125 @22538 has 21 MA's), (179, 22616), (Start: 187 @22631 has 7 MA's), (193, 22646), (239, 22721), (258, 22766), (269, 22793), (284, 22820), (300, 22847), (302, 22856), (305, 22865), (340, 22940), (342, 22946), (381, 23024), (385, 23030), (473, 23153), (489, 23183), (503, 23216),

Gene: Moosehead_23 Start: 18651, Stop: 19352, Start Num: 126

Candidate Starts for Moosehead_23:

(Start: 126 @18651 has 32 MA's), (Start: 187 @18744 has 7 MA's), (193, 18759), (217, 18795), (257, 18876), (273, 18915), (302, 18969), (311, 18999), (381, 19137), (385, 19143), (509, 19344),

Gene: Morkie_24 Start: 19442, Stop: 20146, Start Num: 121

Candidate Starts for Morkie_24:

(Start: 121 @19442 has 2 MA's), (Start: 187 @19538 has 7 MA's), (239, 19628), (247, 19649), (249, 19652), (259, 19676), (269, 19700), (270, 19703), (277, 19718), (300, 19754), (329, 19832), (346, 19859), (371, 19910), (381, 19931), (493, 20108), (509, 20138),

Gene: MortyNRick_27 Start: 21231, Stop: 21854, Start Num: 201

Candidate Starts for MortyNRick_27:

(53, 20856), (61, 20913), (68, 20958), (80, 21012), (81, 21015), (Start: 92 @21051 has 3 MA's), (113, 21096), (114, 21099), (Start: 201 @21231 has 28 MA's), (205, 21237), (223, 21267), (231, 21282), (259, 21342), (294, 21417), (308, 21462), (322, 21498), (337, 21534), (373, 21597), (406, 21660), (418, 21681), (422, 21690), (455, 21747), (503, 21822), (507, 21831),

Gene: Mosby_34 Start: 31362, Stop: 32219, Start Num: 98

Candidate Starts for Mosby_34:

(Start: 98 @31362 has 132 MA's), (Start: 121 @31401 has 2 MA's), (144, 31431), (155, 31452), (173, 31488), (Start: 189 @31518 has 17 MA's), (234, 31593), (259, 31641), (260, 31644), (270, 31668), (271, 31671), (278, 31686), (350, 31857), (404, 31971), (411, 31986), (415, 31992), (445, 32034), (446, 32037), (481, 32091), (517, 32169), (535, 32202),

Gene: MossRose_45 Start: 37550, Stop: 38272, Start Num: 131

Candidate Starts for MossRose_45:

(64, 37364), (Start: 131 @37550 has 21 MA's), (186, 37643), (224, 37712), (241, 37739), (243, 37745), (300, 37859), (332, 37943), (381, 38036), (394, 38066),

Gene: MrMiyagi_34 Start: 30841, Stop: 31767, Start Num: 94

Candidate Starts for MrMiyagi_34:

(93, 30835), (Start: 94 @30841 has 4 MA's), (103, 30862), (Start: 107 @30868 has 1 MA's), (120, 30892), (148, 30928), (157, 30946), (170, 30973), (182, 31000), (192, 31021), (228, 31081), (238, 31099), (240, 31102), (285, 31219), (297, 31249), (298, 31252), (315, 31318), (349, 31399), (360, 31429), (389, 31486), (405, 31522), (407, 31525), (427, 31567), (429, 31570),

Gene: Msay19_54 Start: 48208, Stop: 47351, Start Num: 117

Candidate Starts for Msay19_54:

(45, 48475), (51, 48451), (Start: 117 @48208 has 49 MA's), (136, 48184), (Start: 168 @48130 has 2 MA's), (206, 48055), (240, 47995), (246, 47977), (253, 47953), (260, 47938), (276, 47902), (278, 47896), (338, 47725), (368, 47650), (383, 47620), (426, 47533), (459, 47458), (472, 47431), (501, 47371),

Gene: Murica_34 Start: 31842, Stop: 32699, Start Num: 98

Candidate Starts for Murica_34:

(Start: 98 @31842 has 132 MA's), (Start: 121 @31881 has 2 MA's), (144, 31911), (155, 31932), (173, 31968), (Start: 189 @31998 has 17 MA's), (234, 32073), (259, 32121), (260, 32124), (270, 32148), (271, 32151), (278, 32166), (350, 32337), (397, 32436), (404, 32451), (411, 32466), (415, 32472), (445, 32514), (446, 32517), (481, 32571), (517, 32649), (535, 32682),

Gene: Murphy_36 Start: 31837, Stop: 32694, Start Num: 98

Candidate Starts for Murphy_36:

(Start: 98 @31837 has 132 MA's), (Start: 121 @31876 has 2 MA's), (144, 31906), (155, 31927), (173, 31963), (Start: 189 @31993 has 17 MA's), (234, 32068), (259, 32116), (260, 32119), (270, 32143), (271, 32146), (278, 32161), (350, 32332), (404, 32446), (411, 32461), (415, 32467), (445, 32509), (446, 32512), (481, 32566), (517, 32644), (535, 32677),

Gene: Murucutumbu_31 Start: 26406, Stop: 27278, Start Num: 119

Candidate Starts for Murucutumbu_31:

(76, 26304), (99, 26379), (Start: 119 @26406 has 151 MA's), (Start: 134 @26418 has 1 MA's), (173, 26487), (Start: 189 @26514 has 17 MA's), (205, 26544), (211, 26553), (234, 26589), (238, 26598), (250, 26631), (259, 26649), (301, 26739), (354, 26874), (370, 26901), (380, 26922), (391, 26946), (419, 26997), (449, 27099), (474, 27135), (486, 27159), (534, 27258), (537, 27267),

Gene: Mynx_31 Start: 26477, Stop: 27349, Start Num: 119

Candidate Starts for Mynx_31:

(99, 26450), (Start: 119 @26477 has 151 MA's), (Start: 134 @26489 has 1 MA's), (173, 26558), (Start: 189 @26585 has 17 MA's), (205, 26615), (211, 26624), (234, 26660), (238, 26669), (250, 26702), (259, 26720), (271, 26750), (301, 26810), (354, 26945), (370, 26972), (380, 26993), (391, 27017), (419, 27068), (449, 27170), (474, 27206), (486, 27230), (534, 27329), (537, 27338),

Gene: Myrale_35 Start: 31721, Stop: 32578, Start Num: 98

Candidate Starts for Myrale_35:

(Start: 98 @31721 has 132 MA's), (Start: 121 @31760 has 2 MA's), (144, 31790), (155, 31811), (173, 31847), (Start: 189 @31877 has 17 MA's), (234, 31952), (259, 32000), (260, 32003), (270, 32027), (271, 32030), (278, 32045), (350, 32216), (404, 32330), (411, 32345), (415, 32351), (445, 32393), (446, 32396), (481, 32450), (517, 32528), (535, 32561),

Gene: NHagos_43 Start: 36157, Stop: 36879, Start Num: 131

Candidate Starts for NHagos_43:

(Start: 131 @36157 has 21 MA's), (172, 36226), (186, 36250), (221, 36313), (224, 36319), (300, 36466), (341, 36562), (342, 36565), (381, 36643), (394, 36673), (401, 36688),

Gene: NaLuna_26 Start: 21448, Stop: 22167, Start Num: 131

Candidate Starts for NaLuna_26:

(95, 21391), (Start: 131 @21448 has 21 MA's), (Start: 187 @21541 has 7 MA's), (193, 21556), (221, 21601), (247, 21652), (259, 21679), (269, 21703), (302, 21766), (305, 21775), (381, 21937), (385, 21943),

Gene: Naca_8 Start: 5264, Stop: 6073, Start Num: 110

Candidate Starts for Naca_8:

(88, 5201), (Start: 98 @5240 has 132 MA's), (Start: 110 @5264 has 51 MA's), (155, 5327), (Start: 189 @5393 has 17 MA's), (219, 5441), (332, 5711), (350, 5753), (369, 5792), (379, 5810), (393, 5840), (534, 6038),

Gene: NadineRae_17 Start: 6891, Stop: 7682, Start Num: 143

Candidate Starts for NadineRae_17:

(Start: 143 @6891 has 3 MA's), (Start: 215 @7002 has 1 MA's), (216, 7005), (222, 7017), (261, 7098), (321, 7248), (330, 7272), (347, 7305), (416, 7437), (468, 7551), (470, 7563), (488, 7599), (509, 7644), (513, 7653),

Gene: Naji_14 Start: 6597, Stop: 7361, Start Num: 111

Candidate Starts for Naji_14:

(Start: 111 @6597 has 17 MA's), (211, 6741), (259, 6828), (270, 6855), (276, 6867), (308, 6954), (381, 7095), (413, 7155), (415, 7158), (435, 7194), (472, 7248), (493, 7296),

Gene: Nala_35 Start: 31876, Stop: 32733, Start Num: 98

Candidate Starts for Nala_35:

(Start: 98 @31876 has 132 MA's), (Start: 121 @31915 has 2 MA's), (144, 31945), (155, 31966), (173, 32002), (Start: 189 @32032 has 17 MA's), (234, 32107), (259, 32155), (260, 32158), (270, 32182), (271, 32185), (278, 32200), (350, 32371), (404, 32485), (411, 32500), (415, 32506), (445, 32548), (446, 32551), (481, 32605), (517, 32683), (535, 32716),

Gene: NatB6_19 Start: 9475, Stop: 10200, Start Num: 137

Candidate Starts for NatB6_19:

(Start: 137 @9475 has 22 MA's), (160, 9499), (175, 9532), (216, 9535), (238, 9571), (244, 9586), (261, 9628), (321, 9775), (416, 9967), (466, 10069), (478, 10099), (488, 10120), (493, 10135), (525, 10195),

Gene: NearlyHeadless_8 Start: 4875, Stop: 5684, Start Num: 110

Candidate Starts for NearlyHeadless_8:

(Start: 110 @4875 has 51 MA's), (166, 4959), (Start: 189 @5004 has 17 MA's), (226, 5064), (254, 5130), (276, 5178), (292, 5217), (350, 5364), (369, 5403), (379, 5421), (394, 5454), (403, 5472), (482, 5541), (539, 5670),

Gene: Neighly_31 Start: 27037, Stop: 27786, Start Num: 134

Candidate Starts for Neighly_31:

(Start: 92 @26977 has 3 MA's), (Start: 118 @27025 has 20 MA's), (Start: 134 @27037 has 1 MA's), (Start: 139 @27043 has 8 MA's), (155, 27070), (173, 27106), (Start: 207 @27166 has 2 MA's), (211, 27172), (230, 27202), (234, 27208), (238, 27217), (250, 27250), (269, 27292), (270, 27295), (276, 27307), (295, 27343), (301, 27358), (311, 27394), (354, 27493), (370, 27520), (380, 27541), (449, 27604), (461, 27628), (481, 27652), (511, 27721), (534, 27766), (537, 27775),

Gene: Nekros_47 Start: 41446, Stop: 42318, Start Num: 86

Candidate Starts for Nekros_47:

(Start: 86 @41446 has 31 MA's), (Start: 94 @41473 has 4 MA's), (150, 41533), (173, 41581), (211, 41647), (226, 41668), (241, 41689), (269, 41743), (302, 41824), (421, 42103), (423, 42106), (435, 42130), (453, 42166), (460, 42181), (474, 42193), (485, 42214),

Gene: NelitzaMV_35 Start: 31926, Stop: 32783, Start Num: 98

Candidate Starts for NelitzaMV_35:

(Start: 98 @31926 has 132 MA's), (Start: 121 @31965 has 2 MA's), (144, 31995), (155, 32016), (173, 32052), (Start: 189 @32082 has 17 MA's), (234, 32157), (259, 32205), (260, 32208), (270, 32232), (271, 32235), (278, 32250), (350, 32421), (404, 32535), (411, 32550), (415, 32556), (445, 32598), (446, 32601), (481, 32655), (517, 32733), (535, 32766),

Gene: Neobush_27 Start: 22303, Stop: 22923, Start Num: 189

Candidate Starts for Neobush_27:

(50, 21928), (80, 22099), (81, 22102), (113, 22183), (Start: 125 @22204 has 21 MA's), (Start: 189 @22303 has 17 MA's), (205, 22312), (231, 22357), (267, 22438), (308, 22537), (322, 22573), (347, 22624), (373, 22672), (406, 22735), (422, 22765), (454, 22816), (488, 22867), (503, 22894),

Gene: Nergal_27 Start: 24122, Stop: 24985, Start Num: 122

Candidate Starts for Nergal_27:

(80, 24038), (Start: 92 @24071 has 3 MA's), (Start: 122 @24122 has 2 MA's), (Start: 134 @24134 has 1 MA's), (Start: 139 @24140 has 8 MA's), (155, 24167), (173, 24203), (179, 24212), (205, 24251), (211, 24260), (234, 24296), (238, 24305), (259, 24356), (301, 24446), (354, 24581), (364, 24596), (370, 24608), (380, 24629), (391, 24653), (400, 24671), (415, 24701), (449, 24806), (476, 24845), (485, 24863), (534, 24965), (537, 24974),

Gene: Nettuno_23 Start: 18707, Stop: 19408, Start Num: 126

Candidate Starts for Nettuno_23:

(112, 18692), (115, 18695), (Start: 126 @18707 has 32 MA's), (Start: 187 @18800 has 7 MA's), (193, 18815), (217, 18851), (257, 18932), (270, 18965), (273, 18971), (300, 19016), (311, 19055), (381, 19193), (385, 19199), (394, 19223), (401, 19238), (509, 19400),

Gene: Niagara_44 Start: 46720, Stop: 45893, Start Num: 117

Candidate Starts for Niagara_44:

(Start: 117 @46720 has 49 MA's), (136, 46693), (173, 46627), (228, 46534), (313, 46321), (389, 46135), (393, 46123), (448, 46012), (467, 45973), (479, 45949), (481, 45943),

Gene: Nibb_30 Start: 25727, Stop: 26467, Start Num: 119

Candidate Starts for Nibb_30:

(76, 25625), (80, 25646), (Start: 92 @25679 has 3 MA's), (99, 25700), (Start: 119 @25727 has 151 MA's), (155, 25772), (173, 25808), (211, 25865), (234, 25901), (250, 25943), (301, 26051), (370, 26213), (384, 26240), (391, 26258), (440, 26270), (446, 26282), (474, 26324), (485, 26345), (486, 26348), (534, 26447), (537, 26456),

Gene: Nibley_43 Start: 37468, Stop: 38340, Start Num: 86

Candidate Starts for Nibley_43:

(Start: 86 @37468 has 31 MA's), (Start: 94 @37495 has 4 MA's), (150, 37555), (184, 37624), (Start: 207 @37663 has 2 MA's), (211, 37669), (241, 37711), (269, 37765), (302, 37846), (349, 37969), (359, 37996), (421, 38125), (423, 38128), (453, 38188), (460, 38203), (474, 38215), (485, 38236), (490, 38248), (527, 38308),

Gene: NihilNomen_48 Start: 42652, Stop: 43518, Start Num: 86

Candidate Starts for NihilNomen_48:

(Start: 86 @42652 has 31 MA's), (Start: 94 @42679 has 4 MA's), (Start: 110 @42700 has 51 MA's), (173, 42787), (184, 42808), (211, 42853), (226, 42874), (241, 42895), (269, 42949), (289, 43000), (308, 43051), (369, 43201), (390, 43243), (413, 43294), (423, 43312), (456, 43378), (462, 43390), (474, 43399), (489, 43429), (527, 43492),

Gene: Nikao_27 Start: 25978, Stop: 26736, Start Num: 118

Candidate Starts for Nikao_27:

(76, 25876), (Start: 92 @25930 has 3 MA's), (99, 25951), (Start: 118 @25978 has 20 MA's), (155, 26023), (173, 26059), (Start: 207 @26119 has 2 MA's), (211, 26125), (230, 26155), (250, 26203), (269, 26245), (301, 26311), (311, 26347), (354, 26446), (370, 26473), (380, 26494), (384, 26500), (440, 26539), (446, 26551), (449, 26557), (461, 26581), (481, 26605), (534, 26716), (537, 26725),

Gene: Niklas_31 Start: 25853, Stop: 26614, Start Num: 119

Candidate Starts for Niklas_31:

(99, 25823), (Start: 119 @25853 has 151 MA's), (155, 25898), (173, 25934), (Start: 207 @25994 has 2 MA's), (211, 26000), (230, 26030), (234, 26036), (238, 26045), (250, 26078), (269, 26120), (295, 26171), (301, 26186), (354, 26321), (370, 26348), (380, 26369), (384, 26375), (391, 26393), (446, 26426), (449, 26432), (481, 26480), (514, 26552), (534, 26594), (537, 26603),

Gene: Nimrod_35 Start: 32100, Stop: 32957, Start Num: 98

Candidate Starts for Nimrod_35:

(Start: 98 @32100 has 132 MA's), (Start: 121 @32139 has 2 MA's), (144, 32169), (155, 32190), (173, 32226), (Start: 189 @32256 has 17 MA's), (234, 32331), (259, 32379), (260, 32382), (270, 32406), (271, 32409), (278, 32424), (350, 32595), (404, 32709), (411, 32724), (415, 32730), (445, 32772), (446, 32775), (481, 32829), (517, 32907), (535, 32940),

Gene: NoSleep_36 Start: 31597, Stop: 32454, Start Num: 98

Candidate Starts for NoSleep_36:

(Start: 98 @31597 has 132 MA's), (Start: 121 @31636 has 2 MA's), (144, 31666), (155, 31687), (173, 31723), (Start: 189 @31753 has 17 MA's), (234, 31828), (259, 31876), (260, 31879), (270, 31903), (271, 31906), (278, 31921), (350, 32092), (404, 32206), (411, 32221), (415, 32227), (445, 32269), (446, 32272), (481, 32326), (517, 32404), (535, 32437),

Gene: NonchalantPear_35 Start: 31550, Stop: 32407, Start Num: 98

Candidate Starts for NonchalantPear_35:

(Start: 98 @31550 has 132 MA's), (Start: 121 @31589 has 2 MA's), (144, 31619), (155, 31640), (173, 31676), (Start: 189 @31706 has 17 MA's), (234, 31781), (259, 31829), (260, 31832), (270, 31856), (271, 31859), (278, 31874), (350, 32045), (404, 32159), (411, 32174), (415, 32180), (445, 32222), (446, 32225), (481, 32279), (517, 32357), (535, 32390),

Gene: NosilaM_21 Start: 9718, Stop: 10509, Start Num: 139

Candidate Starts for NosilaM_21:

(Start: 139 @9718 has 8 MA's), (169, 9763), (202, 9826), (210, 9838), (Start: 215 @9844 has 1 MA's), (222, 9859), (238, 9883), (242, 9892), (261, 9940), (277, 9976), (321, 10087), (328, 10108), (339, 10129), (478, 10414), (488, 10435), (491, 10444), (493, 10450), (510, 10483),

Gene: Nova53_11 Start: 6450, Stop: 5779, Start Num: 161

Candidate Starts for Nova53_11:

(Start: 161 @6450 has 4 MA's), (Start: 168 @6435 has 2 MA's), (297, 6159), (307, 6126), (356, 6009), (372, 5976), (375, 5970), (385, 5958), (417, 5898), (427, 5877), (434, 5865), (439, 5856),

Gene: November_29 Start: 26808, Stop: 27548, Start Num: 119

Candidate Starts for November_29:

(28, 26472), (76, 26709), (80, 26730), (Start: 92 @26763 has 3 MA's), (99, 26784), (Start: 119 @26808 has 151 MA's), (Start: 134 @26820 has 1 MA's), (154, 26847), (155, 26853), (173, 26889), (205, 26937), (211, 26946), (219, 26958), (238, 26991), (250, 27024), (301, 27132), (308, 27159), (354, 27267), (370, 27294), (380, 27315), (391, 27339), (440, 27351), (445, 27360), (481, 27417), (534, 27528),

Gene: NovumRegina_19 Start: 9806, Stop: 10531, Start Num: 137

Candidate Starts for NovumRegina_19:

(Start: 137 @9806 has 22 MA's), (160, 9830), (175, 9863), (216, 9866), (238, 9902), (244, 9917), (261, 9959), (321, 10106), (416, 10298), (466, 10400), (478, 10430), (488, 10451), (493, 10466), (525, 10526),

Gene: Nutello_27 Start: 25978, Stop: 26736, Start Num: 118

Candidate Starts for Nutello_27:

(76, 25876), (Start: 92 @25930 has 3 MA's), (99, 25951), (Start: 118 @25978 has 20 MA's), (155, 26023), (173, 26059), (Start: 207 @26119 has 2 MA's), (211, 26125), (230, 26155), (250, 26203), (269, 26245), (301, 26311), (311, 26347), (354, 26446), (370, 26473), (380, 26494), (384, 26500), (440, 26539), (446, 26551), (449, 26557), (461, 26581), (481, 26605), (534, 26716), (537, 26725),

Gene: Nyceirae_51 Start: 36282, Stop: 37091, Start Num: 116

Candidate Starts for Nyceirae_51:

(Start: 116 @36282 has 9 MA's), (157, 36345), (226, 36456), (271, 36546), (317, 36669), (343, 36726), (380, 36804), (382, 36807), (395, 36837), (400, 36843), (426, 36894), (430, 36903), (458, 36948), (500, 37020), (526, 37068),

Gene: Nymphadora_25 Start: 22318, Stop: 22926, Start Num: 207

Candidate Starts for Nymphadora_25:

(Start: 125 @22210 has 21 MA's), (159, 22249), (176, 22282), (Start: 188 @22309 has 13 MA's), (Start: 207 @22318 has 2 MA's), (231, 22360), (238, 22372), (259, 22420), (267, 22441), (277, 22462), (294, 22495), (296, 22498), (308, 22540), (322, 22576), (347, 22627), (373, 22675), (406, 22738), (422, 22768), (454, 22819), (503, 22897),

Gene: ODay_32 Start: 23377, Stop: 24000, Start Num: 201

Candidate Starts for ODay_32:

(Start: 109 @23236 has 18 MA's), (Start: 131 @23269 has 21 MA's), (146, 23290), (149, 23293), (Start: 201 @23377 has 28 MA's), (205, 23383), (223, 23413), (231, 23428), (259, 23488), (294, 23563), (308, 23608), (322, 23644), (324, 23650), (337, 23680), (373, 23743), (406, 23806), (418, 23827), (422, 23836), (503, 23968), (507, 23977),

Gene: Odette_49 Start: 41912, Stop: 42757, Start Num: 94

Candidate Starts for Odette_49:

(Start: 86 @41885 has 31 MA's), (Start: 94 @41912 has 4 MA's), (150, 41972), (173, 42020), (211, 42086), (226, 42107), (241, 42128), (269, 42182), (302, 42263), (421, 42542), (423, 42545), (435, 42569), (453, 42605), (460, 42620), (474, 42632), (485, 42653),

Gene: Ohgeesy_25 Start: 21932, Stop: 22549, Start Num: 188

Candidate Starts for Ohgeesy_25:

(Start: 125 @21833 has 21 MA's), (159, 21872), (176, 21905), (Start: 188 @21932 has 13 MA's), (231, 21983), (238, 21995), (259, 22043), (267, 22064), (277, 22085), (294, 22118), (308, 22163), (322, 22199), (323, 22202), (347, 22250), (406, 22361), (422, 22391), (454, 22442), (503, 22520),

Gene: OkiRoe_30 Start: 27047, Stop: 27919, Start Num: 119

Candidate Starts for OkiRoe_30:

(76, 26945), (Start: 92 @26999 has 3 MA's), (Start: 119 @27047 has 151 MA's), (Start: 134 @27059 has 1 MA's), (Start: 139 @27065 has 8 MA's), (155, 27092), (Start: 171 @27122 has 11 MA's), (173, 27128), (205, 27182), (211, 27191), (219, 27203), (238, 27236), (250, 27269), (271, 27317), (370, 27539), (378, 27557), (380, 27560), (409, 27620), (419, 27638), (433, 27665), (449, 27737), (456, 27752), (474, 27773), (476, 27776), (486, 27797), (533, 27890), (534, 27899), (537, 27908),

Gene: Omega_53 Start: 43678, Stop: 44550, Start Num: 86

Candidate Starts for Omega_53:

(52, 43507), (Start: 86 @43678 has 31 MA's), (Start: 94 @43705 has 4 MA's), (150, 43765), (184, 43834), (Start: 207 @43873 has 2 MA's), (211, 43879), (241, 43921), (269, 43975), (302, 44056), (349, 44179), (359, 44206), (421, 44335), (423, 44338), (453, 44398), (460, 44413), (474, 44425), (485,

44446), (490, 44458), (527, 44518),

Gene: OmniCritical_32 Start: 27538, Stop: 28329, Start Num: 102

Candidate Starts for OmniCritical_32:

(Start: 102 @27538 has 23 MA's), (Start: 134 @27571 has 1 MA's), (155, 27604), (Start: 168 @27628 has 2 MA's), (179, 27649), (184, 27658), (198, 27688), (205, 27697), (211, 27706), (234, 27742), (275, 27823), (354, 28030), (370, 28057), (380, 28078), (389, 28093), (391, 28102), (446, 28126), (481, 28180), (486, 28192), (522, 28264),

Gene: Omnicron_31 Start: 25950, Stop: 26807, Start Num: 119

Candidate Starts for Omnicron_31:

(Start: 119 @25950 has 151 MA's), (Start: 134 @25962 has 1 MA's), (Start: 139 @25968 has 8 MA's), (154, 25989), (155, 25995), (Start: 171 @26025 has 11 MA's), (205, 26085), (211, 26094), (219, 26106), (238, 26139), (250, 26172), (271, 26220), (370, 26442), (380, 26463), (391, 26487), (404, 26514), (409, 26523), (410, 26526), (419, 26538), (437, 26565), (449, 26625), (452, 26628), (474, 26661), (486, 26685), (511, 26742), (534, 26787),

Gene: OneDirection_22 Start: 18679, Stop: 19380, Start Num: 126

Candidate Starts for OneDirection_22:

(115, 18664), (Start: 126 @18679 has 32 MA's), (144, 18697), (Start: 187 @18772 has 7 MA's), (193, 18787), (217, 18823), (257, 18904), (273, 18943), (300, 18988), (311, 19027), (381, 19165), (385, 19171), (394, 19195), (509, 19372),

Gene: Onyinye_47 Start: 36542, Stop: 37423, Start Num: 90

Candidate Starts for Onyinye_47:

(Start: 90 @36542 has 3 MA's), (164, 36638), (167, 36644), (211, 36728), (219, 36740), (270, 36842), (302, 36920), (308, 36941), (354, 37064), (368, 37103), (390, 37148), (423, 37217), (449, 37268), (453, 37277), (458, 37286), (496, 37346), (516, 37382),

Gene: Oogie_32 Start: 23271, Stop: 23969, Start Num: 171

Candidate Starts for Oogie_32:

(Start: 162 @23253 has 1 MA's), (Start: 171 @23271 has 11 MA's), (Start: 215 @23334 has 1 MA's), (234, 23370), (267, 23442), (277, 23463), (294, 23496), (304, 23526), (305, 23529), (311, 23550), (312, 23556), (316, 23562), (324, 23583), (377, 23688), (385, 23697), (418, 23766), (420, 23772), (443, 23808), (451, 23820), (478, 23859), (524, 23949), (529, 23961), (531, 23964),

Gene: Opie_26 Start: 21778, Stop: 22491, Start Num: 131

Candidate Starts for Opie_26:

(95, 21721), (Start: 131 @21778 has 21 MA's), (Start: 139 @21790 has 8 MA's), (Start: 187 @21871 has 7 MA's), (193, 21886), (221, 21931), (247, 21982), (269, 22033), (302, 22096), (305, 22105), (338, 22180), (374, 22255), (381, 22267), (385, 22273),

Gene: Optimus_54 Start: 43558, Stop: 44430, Start Num: 86

Candidate Starts for Optimus_54:

(Start: 86 @43558 has 31 MA's), (Start: 94 @43585 has 4 MA's), (150, 43645), (173, 43693), (211, 43759), (226, 43780), (241, 43801), (269, 43855), (302, 43936), (421, 44215), (423, 44218), (435, 44242), (453, 44278), (460, 44293), (474, 44305), (485, 44326),

Gene: OrionPax_36 Start: 31603, Stop: 32460, Start Num: 98

Candidate Starts for OrionPax_36:

(Start: 98 @31603 has 132 MA's), (Start: 121 @31642 has 2 MA's), (144, 31672), (155, 31693), (173, 31729), (Start: 189 @31759 has 17 MA's), (234, 31834), (259, 31882), (260, 31885), (270, 31909), (271, 31912), (278, 31927), (350, 32098), (404, 32212), (411, 32227), (415, 32233), (445, 32275),

(446, 32278), (481, 32332), (517, 32410), (535, 32443),

Gene: Oscar_30 Start: 25695, Stop: 26435, Start Num: 119

Candidate Starts for Oscar_30:

(76, 25593), (80, 25614), (Start: 92 @25647 has 3 MA's), (99, 25668), (Start: 119 @25695 has 151 MA's), (155, 25740), (173, 25776), (211, 25833), (234, 25869), (250, 25911), (271, 25959), (301, 26019), (354, 26154), (370, 26181), (384, 26208), (391, 26226), (446, 26250), (474, 26292), (485, 26313), (486, 26316), (534, 26415),

Gene: Outis_19 Start: 8535, Stop: 9323, Start Num: 139

Candidate Starts for Outis_19:

(Start: 139 @8535 has 8 MA's), (151, 8544), (197, 8634), (Start: 215 @8658 has 1 MA's), (222, 8673), (242, 8706), (261, 8754), (328, 8922), (339, 8943), (488, 9249), (491, 9258), (493, 9264), (497, 9273), (510, 9297),

Gene: P3MA_29 Start: 23924, Stop: 24829, Start Num: 116

Candidate Starts for P3MA_29:

(71, 23804), (Start: 116 @23924 has 9 MA's), (Start: 189 @24050 has 17 MA's), (195, 24065), (230, 24119), (242, 24143), (265, 24206), (310, 24320), (332, 24374), (344, 24401), (354, 24428), (364, 24443), (366, 24446), (369, 24455), (381, 24479), (383, 24482), (401, 24524), (417, 24548), (423, 24560), (426, 24566), (458, 24641), (519, 24761), (530, 24776), (533, 24782),

Gene: PCoral7_26 Start: 21477, Stop: 22187, Start Num: 125

Candidate Starts for PCoral7_26:

(Start: 125 @21477 has 21 MA's), (136, 21489), (142, 21495), (221, 21633), (239, 21663), (258, 21708), (269, 21735), (284, 21762), (305, 21813), (334, 21882), (342, 21897), (346, 21903), (357, 21933), (381, 21975), (385, 21981), (408, 22032), (473, 22104), (503, 22167),

Gene: PP_20 Start: 11682, Stop: 12425, Start Num: 119

Candidate Starts for PP_20:

(Start: 119 @11682 has 151 MA's), (150, 11718), (173, 11766), (211, 11823), (221, 11838), (270, 11922), (271, 11925), (282, 11952), (308, 12021), (329, 12084), (352, 12135), (381, 12162), (393, 12189), (404, 12204), (413, 12222), (415, 12225), (419, 12234), (425, 12243), (446, 12279), (472, 12318),

Gene: PaddyBaddy_36 Start: 31613, Stop: 32470, Start Num: 98

Candidate Starts for PaddyBaddy_36:

(Start: 98 @31613 has 132 MA's), (Start: 121 @31652 has 2 MA's), (144, 31682), (155, 31703), (173, 31739), (Start: 189 @31769 has 17 MA's), (234, 31844), (259, 31892), (260, 31895), (270, 31919), (271, 31922), (278, 31937), (350, 32108), (404, 32222), (411, 32237), (415, 32243), (445, 32285), (446, 32288), (481, 32342), (517, 32420), (535, 32453),

Gene: Padfoot_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Padfoot_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: Padpat_31 Start: 26454, Stop: 27326, Start Num: 119

Candidate Starts for Padpat_31:

(99, 26427), (Start: 119 @26454 has 151 MA's), (Start: 134 @26466 has 1 MA's), (173, 26535), (Start: 189 @26562 has 17 MA's), (205, 26592), (211, 26601), (234, 26637), (238, 26646), (250, 26679), (259, 26697), (271, 26727), (300, 26784), (301, 26787), (354, 26922), (370, 26949), (380, 26970), (391, 26994), (419, 27045), (449, 27147), (474, 27183), (508, 27255), (534, 27306), (537, 27315),

Gene: Pakusa_30 Start: 21310, Stop: 22008, Start Num: 171

Candidate Starts for Pakusa_30:

(Start: 162 @21292 has 1 MA's), (Start: 171 @21310 has 11 MA's), (Start: 215 @21373 has 1 MA's), (234, 21409), (263, 21469), (267, 21481), (277, 21502), (294, 21535), (304, 21565), (305, 21568), (311, 21589), (312, 21595), (316, 21601), (324, 21622), (377, 21727), (385, 21736), (418, 21805), (420, 21811), (443, 21847), (451, 21859), (478, 21898), (488, 21919), (524, 21988), (529, 22000), (531, 22003),

Gene: Palpatine_35 Start: 31872, Stop: 32729, Start Num: 98

Candidate Starts for Palpatine_35:

(Start: 98 @31872 has 132 MA's), (Start: 121 @31911 has 2 MA's), (144, 31941), (155, 31962), (173, 31998), (Start: 189 @32028 has 17 MA's), (234, 32103), (259, 32151), (260, 32154), (270, 32178), (271, 32181), (278, 32196), (350, 32367), (397, 32466), (404, 32481), (411, 32496), (415, 32502), (445, 32544), (446, 32547), (481, 32601), (517, 32679), (535, 32712),

Gene: PantheRoc_26 Start: 21501, Stop: 22121, Start Num: 189

Candidate Starts for PantheRoc_26:

(50, 21126), (80, 21297), (81, 21300), (113, 21381), (Start: 125 @21402 has 21 MA's), (Start: 189 @21501 has 17 MA's), (205, 21510), (231, 21555), (267, 21636), (294, 21690), (308, 21735), (322, 21771), (347, 21822), (373, 21870), (406, 21933), (422, 21963), (454, 22014), (503, 22092),

Gene: Paola_30 Start: 27046, Stop: 27918, Start Num: 119

Candidate Starts for Paola_30:

(Start: 119 @27046 has 151 MA's), (Start: 134 @27058 has 1 MA's), (Start: 139 @27064 has 8 MA's), (155, 27091), (Start: 171 @27121 has 11 MA's), (173, 27127), (205, 27181), (211, 27190), (219, 27202), (238, 27235), (250, 27268), (271, 27316), (303, 27385), (370, 27538), (378, 27556), (380, 27559), (409, 27619), (419, 27637), (433, 27664), (449, 27736), (474, 27772), (476, 27775), (486, 27796), (511, 27853), (533, 27889), (534, 27898), (537, 27907),

Gene: Paperbeatsrock_37 Start: 32838, Stop: 33695, Start Num: 98

Candidate Starts for Paperbeatsrock_37:

(Start: 98 @32838 has 132 MA's), (Start: 121 @32877 has 2 MA's), (144, 32907), (155, 32928), (173, 32964), (Start: 189 @32994 has 17 MA's), (234, 33069), (259, 33117), (260, 33120), (270, 33144), (271, 33147), (278, 33162), (350, 33333), (404, 33447), (411, 33462), (415, 33468), (445, 33510), (446, 33513), (481, 33567), (517, 33645), (535, 33678),

Gene: Pat3_34 Start: 30584, Stop: 31441, Start Num: 98

Candidate Starts for Pat3_34:

(Start: 98 @30584 has 132 MA's), (Start: 121 @30623 has 2 MA's), (144, 30653), (155, 30674), (173, 30710), (Start: 189 @30740 has 17 MA's), (234, 30815), (259, 30863), (260, 30866), (270, 30890), (271, 30893), (278, 30908), (350, 31079), (404, 31193), (411, 31208), (415, 31214), (445, 31256), (446, 31259), (481, 31313), (517, 31391), (535, 31424),

Gene: Patio_21 Start: 9753, Stop: 10526, Start Num: 137

Candidate Starts for Patio_21:

(Start: 137 @9753 has 22 MA's), (Start: 215 @9861 has 1 MA's), (216, 9864), (244, 9915), (261, 9957), (328, 10125), (488, 10446), (513, 10500),

Gene: PatriciaStar_25 Start: 21883, Stop: 22584, Start Num: 127

Candidate Starts for PatriciaStar_25:

(Start: 119 @21874 has 151 MA's), (Start: 127 @21883 has 5 MA's), (Start: 187 @21976 has 7 MA's), (193, 21991), (221, 22036), (239, 22066), (269, 22138), (284, 22165), (300, 22192), (302, 22201), (305, 22210), (340, 22285), (342, 22291), (367, 22339), (381, 22369), (385, 22375), (473, 22498), (503, 22561),

Gene: Patt_32 Start: 27372, Stop: 28163, Start Num: 102

Candidate Starts for Patt_32:

(72, 27267), (76, 27285), (83, 27312), (89, 27333), (Start: 102 @27372 has 23 MA's), (Start: 134 @27405 has 1 MA's), (155, 27438), (184, 27492), (205, 27531), (211, 27540), (234, 27576), (238, 27585), (315, 27768), (354, 27864), (370, 27891), (380, 27912), (389, 27927), (391, 27936), (446, 27960), (481, 28014), (486, 28026), (522, 28098), (533, 28119),

Gene: Peanam_31 Start: 25850, Stop: 26611, Start Num: 119

Candidate Starts for Peanam_31:

(99, 25820), (Start: 119 @25850 has 151 MA's), (155, 25895), (173, 25931), (Start: 207 @25991 has 2 MA's), (211, 25997), (230, 26027), (234, 26033), (238, 26042), (250, 26075), (269, 26117), (295, 26168), (301, 26183), (354, 26318), (370, 26345), (380, 26366), (384, 26372), (391, 26390), (446, 26423), (449, 26429), (481, 26477), (514, 26549), (534, 26591), (537, 26600),

Gene: Peel_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Peel_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: Pemberton_20 Start: 7657, Stop: 8400, Start Num: 140

Candidate Starts for Pemberton_20:

(78, 7528), (Start: 140 @7657 has 2 MA's), (Start: 215 @7720 has 1 MA's), (216, 7723), (222, 7735), (261, 7816), (321, 7966), (330, 7990), (347, 8023), (397, 8119), (416, 8155), (470, 8281), (488, 8317), (513, 8371),

Gene: Pepperoni_24 Start: 19528, Stop: 20244, Start Num: 125

Candidate Starts for Pepperoni_24:

(Start: 107 @19501 has 1 MA's), (Start: 108 @19504 has 1 MA's), (Start: 125 @19528 has 21 MA's), (142, 19546), (221, 19684), (243, 19723), (258, 19759), (269, 19786), (300, 19840), (305, 19858), (329, 19921), (342, 19951), (381, 20029), (385, 20035), (497, 20212), (510, 20236),

Gene: Peregrin_29 Start: 8642, Stop: 7968, Start Num: 161

Candidate Starts for Peregrin_29:

(147, 8666), (152, 8657), (Start: 161 @8642 has 4 MA's), (196, 8576), (197, 8573), (Start: 215 @8552 has 1 MA's), (232, 8519), (260, 8438), (302, 8345), (320, 8291), (339, 8252), (362, 8201), (372, 8180), (397, 8132), (434, 8060),

Gene: Periwinkle_30 Start: 21968, Stop: 22591, Start Num: 201

Candidate Starts for Periwinkle_30:

(53, 21593), (61, 21650), (68, 21695), (80, 21749), (81, 21752), (Start: 92 @21788 has 3 MA's), (113, 21833), (114, 21836), (Start: 201 @21968 has 28 MA's), (205, 21974), (223, 22004), (231, 22019), (259, 22079), (267, 22100), (297, 22160), (308, 22199), (337, 22271), (373, 22334), (397, 22379), (406, 22397), (418, 22418), (422, 22427), (503, 22559), (507, 22568), (513, 22580),

Gene: Petra64142_37 Start: 32318, Stop: 33175, Start Num: 98

Candidate Starts for Petra64142_37:

(Start: 98 @32318 has 132 MA's), (Start: 121 @32357 has 2 MA's), (144, 32387), (155, 32408), (173, 32444), (Start: 189 @32474 has 17 MA's), (234, 32549), (259, 32597), (260, 32600), (270, 32624), (271, 32627), (278, 32642), (350, 32813), (397, 32912), (404, 32927), (411, 32942), (415, 32948), (445, 32990), (446, 32993), (481, 33047), (517, 33125), (535, 33158),

Gene: PetterN_9 Start: 5151, Stop: 5960, Start Num: 110

Candidate Starts for PetterN_9:

(88, 5088), (Start: 98 @5127 has 132 MA's), (Start: 110 @5151 has 51 MA's), (155, 5214), (Start: 189 @5280 has 17 MA's), (195, 5295), (219, 5328), (332, 5598), (350, 5640), (369, 5679), (379, 5697), (393, 5727), (534, 5925),

Gene: Phabuloso_27 Start: 21255, Stop: 21878, Start Num: 201

Candidate Starts for Phabuloso_27:

(53, 20880), (61, 20937), (68, 20982), (80, 21036), (81, 21039), (Start: 92 @21075 has 3 MA's), (113, 21120), (114, 21123), (Start: 201 @21255 has 28 MA's), (205, 21261), (223, 21291), (231, 21306), (259, 21366), (297, 21447), (308, 21486), (337, 21558), (373, 21621), (397, 21666), (406, 21684), (418, 21705), (422, 21714), (503, 21846), (507, 21855), (513, 21867),

Gene: Phaja_35 Start: 32034, Stop: 32891, Start Num: 98

Candidate Starts for Phaja_35:

(Start: 98 @32034 has 132 MA's), (Start: 121 @32073 has 2 MA's), (144, 32103), (155, 32124), (173, 32160), (Start: 189 @32190 has 17 MA's), (234, 32265), (259, 32313), (260, 32316), (270, 32340), (271, 32343), (278, 32358), (350, 32529), (404, 32643), (411, 32658), (415, 32664), (445, 32706), (446, 32709), (481, 32763), (517, 32841), (535, 32874),

Gene: Phantastic_10 Start: 5701, Stop: 6441, Start Num: 106

Candidate Starts for Phantastic_10:

(66, 5608), (Start: 106 @5701 has 1 MA's), (129, 5716), (173, 5788), (211, 5845), (219, 5857), (221, 5860), (236, 5884), (244, 5899), (269, 5947), (282, 5980), (308, 6049), (333, 6121), (381, 6190), (393, 6217), (415, 6253), (436, 6292), (532, 6433),

Gene: PhaoMing_23 Start: 20071, Stop: 20694, Start Num: 201

Candidate Starts for PhaoMing_23:

(Start: 201 @20071 has 28 MA's), (Start: 207 @20080 has 2 MA's), (223, 20107), (231, 20122), (267, 20203), (308, 20302), (337, 20374), (373, 20437), (406, 20500), (418, 20521), (422, 20530), (433, 20542), (503, 20662), (507, 20671),

Gene: Pharb_30 Start: 26706, Stop: 27494, Start Num: 119

Candidate Starts for Pharb_30:

(Start: 92 @26661 has 3 MA's), (Start: 119 @26706 has 151 MA's), (155, 26751), (173, 26787), (205, 26844), (211, 26853), (234, 26889), (259, 26943), (269, 26967), (326, 27108), (354, 27171), (370, 27213), (380, 27234), (384, 27240), (391, 27258), (445, 27288), (486, 27357), (522, 27429), (534, 27459),

Gene: Pharsalus_36 Start: 32638, Stop: 33495, Start Num: 98

Candidate Starts for Pharsalus_36:

(Start: 98 @32638 has 132 MA's), (Start: 121 @32677 has 2 MA's), (144, 32707), (155, 32728), (173, 32764), (Start: 189 @32794 has 17 MA's), (234, 32869), (259, 32917), (260, 32920), (270, 32944), (271, 32947), (278, 32962), (350, 33133), (404, 33247), (411, 33262), (415, 33268), (445, 33310), (446, 33313), (481, 33367), (517, 33445), (535, 33478),

Gene: PhatBacter_35 Start: 31886, Stop: 32743, Start Num: 98

Candidate Starts for PhatBacter_35:

(Start: 98 @31886 has 132 MA's), (Start: 121 @31925 has 2 MA's), (144, 31955), (155, 31976), (173, 32012), (Start: 189 @32042 has 17 MA's), (234, 32117), (259, 32165), (260, 32168), (270, 32192), (271, 32195), (278, 32210), (350, 32381), (397, 32480), (404, 32495), (411, 32510), (415, 32516), (445, 32558), (446, 32561), (481, 32615), (517, 32693), (535, 32726),

Gene: Phaux_34 Start: 31884, Stop: 32741, Start Num: 98

Candidate Starts for Phaux_34:

(Start: 98 @31884 has 132 MA's), (Start: 121 @31923 has 2 MA's), (144, 31953), (155, 31974), (173, 32010), (Start: 189 @32040 has 17 MA's), (234, 32115), (259, 32163), (260, 32166), (270, 32190), (271, 32193), (278, 32208), (350, 32379), (397, 32478), (404, 32493), (411, 32508), (415, 32514), (445, 32556), (446, 32559), (481, 32613), (517, 32691), (535, 32724),

Gene: PhelpsODU_31 Start: 25890, Stop: 26633, Start Num: 119

Candidate Starts for PhelpsODU_31:

(99, 25863), (Start: 119 @25890 has 151 MA's), (154, 25932), (155, 25938), (173, 25974), (205, 26022), (211, 26031), (234, 26067), (250, 26109), (301, 26217), (354, 26352), (364, 26367), (370, 26379), (380, 26400), (390, 26418), (391, 26424), (481, 26502), (519, 26583), (533, 26604), (534, 26613),

Gene: Phillis_8 Start: 4833, Stop: 5642, Start Num: 110

Candidate Starts for Phillis_8:

(Start: 110 @4833 has 51 MA's), (166, 4917), (Start: 189 @4962 has 17 MA's), (226, 5022), (254, 5088), (350, 5322), (369, 5361), (379, 5379), (394, 5412), (403, 5430), (456, 5475), (482, 5499), (539, 5628),

Gene: Philon9_46 Start: 47751, Stop: 46924, Start Num: 117

Candidate Starts for Philon9_46:

(Start: 117 @47751 has 49 MA's), (Start: 134 @47727 has 1 MA's), (250, 47514), (327, 47307), (333, 47295), (350, 47256), (371, 47202), (400, 47139), (479, 46980),

Gene: Phishy_50 Start: 37259, Stop: 38065, Start Num: 116

Candidate Starts for Phishy_50:

(Start: 116 @37259 has 9 MA's), (157, 37322), (209, 37412), (279, 37544), (283, 37550), (285, 37553), (343, 37700), (382, 37781), (395, 37811), (400, 37817), (426, 37868), (500, 37994), (526, 38042),

Gene: Phistory_29 Start: 22289, Stop: 22912, Start Num: 201

Candidate Starts for Phistory_29:

(53, 21914), (61, 21971), (68, 22016), (80, 22070), (81, 22073), (Start: 92 @22109 has 3 MA's), (113, 22154), (114, 22157), (Start: 201 @22289 has 28 MA's), (205, 22295), (223, 22325), (231, 22340), (259, 22400), (297, 22481), (308, 22520), (337, 22592), (373, 22655), (397, 22700), (406, 22718), (418, 22739), (422, 22748), (503, 22880), (507, 22889), (513, 22901),

Gene: Phlorence_8 Start: 5463, Stop: 6272, Start Num: 110

Candidate Starts for Phlorence_8:

(Start: 110 @5463 has 51 MA's), (155, 5526), (Start: 161 @5535 has 4 MA's), (Start: 171 @5556 has 11 MA's), (Start: 189 @5592 has 17 MA's), (219, 5640), (247, 5697), (256, 5721), (350, 5952), (379, 6009), (539, 6258),

Gene: Phoebus_48 Start: 42862, Stop: 43734, Start Num: 86

Candidate Starts for Phoebus_48:

(Start: 86 @42862 has 31 MA's), (Start: 94 @42889 has 4 MA's), (150, 42949), (173, 42997), (211, 43063), (226, 43084), (241, 43105), (269, 43159), (302, 43240), (421, 43519), (423, 43522), (435, 43546), (453, 43582), (460, 43597), (474, 43609), (485, 43630),

Gene: Phomeo_18 Start: 9034, Stop: 9759, Start Num: 137

Candidate Starts for Phomeo_18:

(Start: 137 @9034 has 22 MA's), (160, 9058), (175, 9091), (216, 9094), (238, 9130), (244, 9145), (261, 9187), (278, 9226), (321, 9334), (416, 9526), (466, 9628), (478, 9658), (488, 9679), (493, 9694), (525, 9754),

Gene: PhorbesPhlower_24 Start: 19442, Stop: 20146, Start Num: 121

Candidate Starts for PhorbesPhlower_24:

(Start: 121 @19442 has 2 MA's), (Start: 187 @19538 has 7 MA's), (239, 19628), (247, 19649), (249, 19652), (259, 19676), (269, 19700), (270, 19703), (277, 19718), (300, 19754), (329, 19832), (346, 19859), (371, 19910), (381, 19931), (493, 20108), (509, 20138),

Gene: Phrank_31 Start: 25840, Stop: 26583, Start Num: 119

Candidate Starts for Phrank_31:

(99, 25813), (Start: 119 @25840 has 151 MA's), (136, 25858), (154, 25882), (155, 25888), (173, 25924), (205, 25972), (211, 25981), (234, 26017), (250, 26059), (301, 26167), (354, 26302), (364, 26317), (370, 26329), (380, 26350), (389, 26365), (390, 26368), (391, 26374), (481, 26452), (519, 26533), (533, 26554), (534, 26563),

Gene: Phrux_35 Start: 31599, Stop: 32456, Start Num: 98

Candidate Starts for Phrux_35:

(Start: 98 @31599 has 132 MA's), (Start: 121 @31638 has 2 MA's), (144, 31668), (155, 31689), (173, 31725), (Start: 189 @31755 has 17 MA's), (234, 31830), (259, 31878), (260, 31881), (270, 31905), (271, 31908), (278, 31923), (350, 32094), (397, 32193), (404, 32208), (411, 32223), (415, 32229), (445, 32271), (446, 32274), (481, 32328), (517, 32406), (535, 32439),

Gene: Piatt_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Piatt_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: Pickett_23 Start: 18631, Stop: 19332, Start Num: 126

Candidate Starts for Pickett_23:

(112, 18616), (115, 18619), (Start: 126 @18631 has 32 MA's), (193, 18739), (217, 18775), (257, 18856), (273, 18895), (300, 18940), (311, 18979), (371, 19096), (381, 19117), (385, 19123), (413, 19180), (509, 19324),

Gene: PickleBack_8 Start: 5173, Stop: 5982, Start Num: 110

Candidate Starts for PickleBack_8:

(Start: 110 @5173 has 51 MA's), (155, 5236), (Start: 161 @5245 has 4 MA's), (Start: 171 @5266 has 11 MA's), (Start: 189 @5302 has 17 MA's), (219, 5350), (247, 5407), (256, 5431), (350, 5662), (379, 5719), (539, 5968),

Gene: PierreThree_50 Start: 47263, Stop: 46403, Start Num: 117

Candidate Starts for PierreThree_50:

(Start: 117 @47263 has 49 MA's), (136, 47239), (Start: 168 @47185 has 2 MA's), (183, 47149), (206, 47110), (240, 47050), (246, 47032), (260, 46993), (276, 46957), (278, 46951), (338, 46780), (368, 46705), (383, 46675), (426, 46588), (459, 46513), (472, 46486), (498, 46432), (501, 46426),

Gene: Pisa1_30 Start: 26501, Stop: 27361, Start Num: 134

Candidate Starts for Pisa1_30:

(99, 26462), (Start: 119 @26489 has 151 MA's), (Start: 134 @26501 has 1 MA's), (173, 26570), (Start: 189 @26597 has 17 MA's), (205, 26627), (211, 26636), (234, 26672), (238, 26681), (250, 26714), (259, 26732), (301, 26822), (354, 26957), (370, 26984), (380, 27005), (391, 27029), (419, 27080), (449, 27182), (474, 27218), (486, 27242), (534, 27341), (537, 27350),

Gene: Pisa4_30 Start: 26489, Stop: 27361, Start Num: 119

Candidate Starts for Pisa4_30:

(99, 26462), (Start: 119 @26489 has 151 MA's), (Start: 134 @26501 has 1 MA's), (173, 26570), (Start: 189 @26597 has 17 MA's), (205, 26627), (211, 26636), (234, 26672), (238, 26681), (250, 26714), (259, 26732), (301, 26822), (354, 26957), (370, 26984), (380, 27005), (391, 27029), (419, 27080), (449, 27182), (474, 27218), (486, 27242), (534, 27341), (537, 27350),

Gene: Pistachio_11 Start: 5286, Stop: 6026, Start Num: 109

Candidate Starts for Pistachio_11:

(66, 5169), (Start: 109 @5286 has 18 MA's), (173, 5373), (211, 5430), (219, 5442), (221, 5445), (236, 5469), (244, 5484), (257, 5502), (269, 5532), (271, 5538), (276, 5547), (282, 5565), (303, 5616), (308, 5634), (333, 5706), (352, 5748), (381, 5775), (393, 5802), (413, 5835), (415, 5838), (436, 5877), (532, 6018),

Gene: Pixie_31 Start: 26938, Stop: 27726, Start Num: 119

Candidate Starts for Pixie_31:

(99, 26914), (Start: 119 @26938 has 151 MA's), (155, 26983), (173, 27019), (205, 27076), (211, 27085), (234, 27121), (259, 27175), (269, 27199), (326, 27340), (370, 27445), (380, 27466), (384, 27472), (391, 27490), (445, 27520), (486, 27589), (522, 27661), (534, 27691),

Gene: Pleakley_25 Start: 9799, Stop: 10464, Start Num: 215

Candidate Starts for Pleakley_25:

(Start: 215 @9799 has 1 MA's), (216, 9802), (244, 9859), (261, 9901), (308, 10015), (312, 10030), (321, 10048), (337, 10084), (374, 10153), (377, 10159), (418, 10237), (422, 10246), (448, 10300), (478, 10360),

Gene: Pokerus_30 Start: 26411, Stop: 27283, Start Num: 119

Candidate Starts for Pokerus_30:

(99, 26384), (Start: 119 @26411 has 151 MA's), (Start: 134 @26423 has 1 MA's), (173, 26492), (Start: 189 @26519 has 17 MA's), (205, 26549), (211, 26558), (234, 26594), (238, 26603), (250, 26636), (259, 26654), (271, 26684), (301, 26744), (354, 26879), (370, 26906), (380, 26927), (391, 26951), (419, 27002), (449, 27104), (474, 27140), (486, 27164), (534, 27263), (537, 27272),

Gene: PokyPuppy_49 Start: 47212, Stop: 46361, Start Num: 117

Candidate Starts for PokyPuppy_49:

(50, 47464), (54, 47440), (Start: 117 @47212 has 49 MA's), (Start: 161 @47149 has 4 MA's), (Start: 168 @47134 has 2 MA's), (183, 47098), (206, 47056), (246, 46978), (255, 46951), (276, 46903), (294, 46864), (338, 46729), (368, 46654), (383, 46624), (459, 46462), (472, 46435), (501, 46375),

Gene: Poland_54 Start: 48187, Stop: 47330, Start Num: 117

Candidate Starts for Poland_54:

(45, 48454), (51, 48430), (Start: 117 @48187 has 49 MA's), (136, 48163), (Start: 168 @48109 has 2 MA's), (206, 48034), (240, 47974), (246, 47956), (253, 47932), (260, 47917), (276, 47881), (278, 47875), (338, 47704), (368, 47629), (383, 47599), (426, 47512), (459, 47437), (472, 47410), (501, 47350),

Gene: Policronamos_35 Start: 31884, Stop: 32741, Start Num: 98

Candidate Starts for Policronamos_35:

(Start: 98 @31884 has 132 MA's), (Start: 121 @31923 has 2 MA's), (144, 31953), (155, 31974), (173, 32010), (Start: 189 @32040 has 17 MA's), (234, 32115), (259, 32163), (260, 32166), (270, 32190), (271, 32193), (278, 32208), (350, 32379), (397, 32478), (404, 32493), (411, 32508), (415, 32514), (445, 32556), (446, 32559), (481, 32613), (517, 32691), (535, 32724),

Gene: Pollux_27 Start: 21910, Stop: 22626, Start Num: 125

Candidate Starts for Pollux_27:

(Start: 107 @21883 has 1 MA's), (Start: 108 @21886 has 1 MA's), (Start: 125 @21910 has 21 MA's), (142, 21928), (172, 21982), (221, 22066), (243, 22105), (258, 22141), (269, 22168), (300, 22222), (305, 22240), (342, 22333), (381, 22411), (385, 22417), (497, 22594), (507, 22612),

Gene: Polly_24 Start: 21758, Stop: 22366, Start Num: 207

Candidate Starts for Polly_24:

(Start: 125 @21650 has 21 MA's), (159, 21689), (176, 21722), (Start: 188 @21749 has 13 MA's), (Start: 207 @21758 has 2 MA's), (231, 21800), (238, 21812), (259, 21860), (267, 21881), (277, 21902), (294, 21935), (308, 21980), (323, 22019), (347, 22067), (373, 22115), (406, 22178), (454, 22259), (488, 22310), (503, 22337),

Gene: Polyyuki_20 Start: 9999, Stop: 10895, Start Num: 96

Candidate Starts for Polyyuki_20:

(42, 9762), (Start: 96 @9999 has 7 MA's), (149, 10077), (190, 10164), (218, 10212), (227, 10227), (266, 10305), (288, 10350), (338, 10482), (386, 10575), (392, 10590), (440, 10689), (471, 10770), (495, 10818), (520, 10863),

Gene: Pomar16_14 Start: 6638, Stop: 7402, Start Num: 111

Candidate Starts for Pomar16_14:

(Start: 111 @6638 has 17 MA's), (211, 6782), (259, 6869), (270, 6896), (276, 6908), (308, 6995), (381, 7136), (413, 7196), (415, 7199), (435, 7235), (472, 7289), (493, 7337),

Gene: Porky_35 Start: 31695, Stop: 32552, Start Num: 98

Candidate Starts for Porky_35:

(Start: 98 @31695 has 132 MA's), (Start: 121 @31734 has 2 MA's), (144, 31764), (155, 31785), (173, 31821), (Start: 189 @31851 has 17 MA's), (234, 31926), (259, 31974), (260, 31977), (270, 32001), (271, 32004), (278, 32019), (350, 32190), (404, 32304), (411, 32319), (415, 32325), (445, 32367), (446, 32370), (481, 32424), (517, 32502), (535, 32535),

Gene: Posh_28 Start: 22753, Stop: 23376, Start Num: 187

Candidate Starts for Posh_28:

(Start: 187 @22753 has 7 MA's), (Start: 207 @22762 has 2 MA's), (231, 22804), (247, 22840), (267, 22885), (277, 22906), (294, 22939), (308, 22984), (337, 23056), (347, 23071), (373, 23119), (397, 23164), (406, 23182), (418, 23203), (422, 23212), (454, 23266), (488, 23317), (503, 23344), (507, 23353), (509, 23356),

Gene: Pound_51 Start: 44412, Stop: 45278, Start Num: 86

Candidate Starts for Pound_51:

(Start: 86 @44412 has 31 MA's), (Start: 94 @44439 has 4 MA's), (173, 44547), (184, 44568), (211, 44613), (226, 44634), (241, 44655), (269, 44709), (289, 44760), (308, 44811), (369, 44961), (390, 45003), (413, 45054), (423, 45072), (456, 45138), (462, 45150), (474, 45159), (489, 45189), (527, 45252),

Gene: Prinasse11_9 Start: 5323, Stop: 6132, Start Num: 110

Candidate Starts for Prinasse11_9:

(Start: 110 @5323 has 51 MA's), (155, 5386), (Start: 161 @5395 has 4 MA's), (Start: 189 @5452 has 17 MA's), (219, 5500), (256, 5581), (332, 5770), (350, 5812), (379, 5869), (399, 5911), (539, 6118),

Gene: PrincePatrick_25 Start: 21553, Stop: 22266, Start Num: 125

Candidate Starts for PrincePatrick_25:

(Start: 116 @21538 has 9 MA's), (Start: 125 @21553 has 21 MA's), (136, 21565), (Start: 139 @21568 has 8 MA's), (142, 21571), (204, 21679), (221, 21709), (239, 21739), (258, 21784), (277, 21829), (284, 21838), (300, 21871), (305, 21889), (342, 21976), (346, 21982), (371, 22033), (381, 22054), (385, 22060), (401, 22099), (408, 22111), (473, 22183), (503, 22246),

Gene: Prithvi_31 Start: 26427, Stop: 27299, Start Num: 119

Candidate Starts for Prithvi_31:

(99, 26400), (Start: 119 @26427 has 151 MA's), (Start: 134 @26439 has 1 MA's), (173, 26508), (Start: 189 @26535 has 17 MA's), (205, 26565), (211, 26574), (234, 26610), (238, 26619), (250, 26652), (259, 26670), (301, 26760), (354, 26895), (370, 26922), (380, 26943), (391, 26967), (419, 27018), (449, 27120), (474, 27156), (486, 27180), (534, 27279), (537, 27288),

Gene: Psycho_31 Start: 27156, Stop: 27917, Start Num: 118

Candidate Starts for Psycho_31:

(Start: 92 @27108 has 3 MA's), (Start: 118 @27156 has 20 MA's), (Start: 134 @27168 has 1 MA's), (Start: 139 @27174 has 8 MA's), (155, 27201), (173, 27237), (Start: 207 @27297 has 2 MA's), (211, 27303), (230, 27333), (234, 27339), (238, 27348), (250, 27381), (269, 27423), (270, 27426), (276, 27438), (295, 27474), (301, 27489), (311, 27525), (354, 27624), (370, 27651), (380, 27672), (449, 27735), (461, 27759), (481, 27783), (511, 27852), (534, 27897), (537, 27906),

Gene: Ptowny_36 Start: 31240, Stop: 32097, Start Num: 98

Candidate Starts for Ptowny_36:

(Start: 98 @31240 has 132 MA's), (Start: 121 @31279 has 2 MA's), (144, 31309), (155, 31330), (173, 31366), (Start: 189 @31396 has 17 MA's), (234, 31471), (259, 31519), (260, 31522), (270, 31546), (271, 31549), (278, 31564), (350, 31735), (397, 31834), (404, 31849), (411, 31864), (415, 31870), (445, 31912), (446, 31915), (481, 31969), (517, 32047), (535, 32080),

Gene: Pumpkin_37 Start: 31935, Stop: 32792, Start Num: 98

Candidate Starts for Pumpkin_37:

(Start: 98 @31935 has 132 MA's), (Start: 121 @31974 has 2 MA's), (144, 32004), (155, 32025), (173, 32061), (Start: 189 @32091 has 17 MA's), (234, 32166), (259, 32214), (260, 32217), (270, 32241), (271, 32244), (278, 32259), (350, 32430), (404, 32544), (411, 32559), (415, 32565), (445, 32607), (446, 32610), (481, 32664), (517, 32742), (535, 32775),

Gene: Puppy_11 Start: 5358, Stop: 6098, Start Num: 109

Candidate Starts for Puppy_11:

(66, 5241), (Start: 109 @5358 has 18 MA's), (173, 5445), (211, 5502), (219, 5514), (221, 5517), (236, 5541), (244, 5556), (257, 5574), (269, 5604), (271, 5610), (276, 5619), (282, 5637), (303, 5688), (308, 5706), (333, 5778), (352, 5820), (381, 5847), (393, 5874), (413, 5907), (415, 5910), (436, 5949), (532, 6090),

Gene: Pytheas_28 Start: 22899, Stop: 23522, Start Num: 187

Candidate Starts for Pytheas_28:

(Start: 187 @22899 has 7 MA's), (Start: 207 @22908 has 2 MA's), (231, 22950), (247, 22986), (267, 23031), (277, 23052), (294, 23085), (308, 23130), (337, 23202), (347, 23217), (373, 23265), (397, 23310), (406, 23328), (418, 23349), (422, 23358), (454, 23412), (488, 23463), (503, 23490), (507, 23499), (509, 23502),

Gene: Qhanda_33 Start: 27649, Stop: 28440, Start Num: 102

Candidate Starts for Qhanda_33:

(Start: 102 @27649 has 23 MA's), (Start: 134 @27682 has 1 MA's), (155, 27715), (Start: 168 @27739 has 2 MA's), (179, 27760), (184, 27769), (198, 27799), (205, 27808), (211, 27817), (234, 27853), (275, 27934), (354, 28141), (370, 28168), (380, 28189), (391, 28213), (446, 28237), (481, 28291), (486, 28303), (522, 28375),

Gene: Quallification_36 Start: 32064, Stop: 32921, Start Num: 98

Candidate Starts for Quallification_36:

(Start: 98 @32064 has 132 MA's), (Start: 121 @32103 has 2 MA's), (144, 32133), (155, 32154), (173, 32190), (Start: 189 @32220 has 17 MA's), (234, 32295), (259, 32343), (260, 32346), (270, 32370), (271, 32373), (278, 32388), (350, 32559), (404, 32673), (411, 32688), (415, 32694), (445, 32736), (446, 32739), (481, 32793), (517, 32871), (535, 32904),

Gene: QuincyRose_30 Start: 26474, Stop: 27346, Start Num: 119

Candidate Starts for QuincyRose_30:

(99, 26447), (Start: 119 @26474 has 151 MA's), (Start: 134 @26486 has 1 MA's), (173, 26555), (Start: 189 @26582 has 17 MA's), (205, 26612), (211, 26621), (234, 26657), (238, 26666), (250, 26699), (259, 26717), (271, 26747), (301, 26807), (354, 26942), (370, 26969), (380, 26990), (391, 27014), (419, 27065), (449, 27167), (474, 27203), (486, 27227), (534, 27326), (537, 27335),

Gene: Quokka_9 Start: 5599, Stop: 6363, Start Num: 111

Candidate Starts for Quokka_9:

(Start: 111 @5599 has 17 MA's), (211, 5743), (270, 5857), (271, 5860), (276, 5869), (303, 5938), (308, 5956), (329, 6019), (381, 6097), (393, 6124), (404, 6139), (413, 6157), (415, 6160), (472, 6250), (504, 6319),

Gene: Rahul_17 Start: 11952, Stop: 12815, Start Num: 100

Candidate Starts for Rahul_17:

(Start: 100 @11952 has 4 MA's), (155, 12030), (158, 12033), (178, 12075), (179, 12078), (234, 12171), (237, 12177), (240, 12183), (244, 12195), (291, 12306), (324, 12399), (369, 12498), (393, 12549), (397, 12558), (415, 12594), (417, 12597),

Gene: Rakim_36 Start: 31964, Stop: 32821, Start Num: 98

Candidate Starts for Rakim_36:

(Start: 98 @31964 has 132 MA's), (Start: 121 @32003 has 2 MA's), (144, 32033), (155, 32054), (173, 32090), (Start: 189 @32120 has 17 MA's), (234, 32195), (259, 32243), (260, 32246), (270, 32270), (271, 32273), (278, 32288), (350, 32459), (404, 32573), (411, 32588), (415, 32594), (445, 32636), (446, 32639), (481, 32693), (517, 32771), (535, 32804),

Gene: Ramen_31 Start: 26460, Stop: 27332, Start Num: 119

Candidate Starts for Ramen_31:

(99, 26433), (Start: 119 @26460 has 151 MA's), (Start: 134 @26472 has 1 MA's), (173, 26541), (Start: 189 @26568 has 17 MA's), (205, 26598), (211, 26607), (234, 26643), (238, 26652), (250, 26685), (259, 26703), (271, 26733), (301, 26793), (354, 26928), (370, 26955), (380, 26976), (391, 27000), (449, 27153), (474, 27189), (534, 27312), (537, 27321),

Gene: Rando14_31 Start: 25909, Stop: 26766, Start Num: 119

Candidate Starts for Rando14_31:

(Start: 119 @25909 has 151 MA's), (Start: 134 @25921 has 1 MA's), (Start: 139 @25927 has 8 MA's), (154, 25948), (155, 25954), (Start: 171 @25984 has 11 MA's), (205, 26044), (211, 26053), (219, 26065), (238, 26098), (250, 26131), (271, 26179), (295, 26224), (326, 26311), (370, 26401), (380, 26422), (391, 26446), (404, 26473), (409, 26482), (419, 26497), (437, 26524), (449, 26584), (452, 26587), (474, 26620), (486, 26644), (511, 26701), (533, 26737), (534, 26746),

Gene: Rapunzel97_31 Start: 26461, Stop: 27333, Start Num: 119

Candidate Starts for Rapunzel97_31:

(99, 26434), (Start: 119 @26461 has 151 MA's), (Start: 134 @26473 has 1 MA's), (173, 26542), (Start: 189 @26569 has 17 MA's), (205, 26599), (211, 26608), (234, 26644), (238, 26653), (250, 26686), (259, 26704), (271, 26734), (300, 26791), (301, 26794), (354, 26929), (370, 26956), (380, 26977), (391, 27001), (419, 27052), (449, 27154), (474, 27190), (486, 27214), (534, 27313), (537, 27322),

Gene: RavenCo17_24 Start: 20690, Stop: 21409, Start Num: 131

Candidate Starts for RavenCo17_24:

(9, 19883), (10, 20024), (32, 20324), (73, 20546), (Start: 131 @20690 has 21 MA's), (172, 20756), (Start: 187 @20783 has 7 MA's), (193, 20798), (221, 20843), (247, 20894), (257, 20915), (269, 20945), (300, 20999), (302, 21008), (305, 21017), (381, 21185), (385, 21191), (450, 21293), (489, 21356),

Gene: RayTheFireFly_27 Start: 22566, Stop: 23267, Start Num: 125

Candidate Starts for RayTheFireFly_27:

(Start: 125 @22566 has 21 MA's), (144, 22584), (Start: 187 @22659 has 7 MA's), (193, 22674), (247, 22770), (250, 22776), (269, 22821), (300, 22875), (302, 22884), (305, 22893), (340, 22968), (342, 22974), (381, 23052), (385, 23058), (473, 23181), (503, 23244),

Gene: RedRaider_25 Start: 10628, Stop: 11401, Start Num: 137

Candidate Starts for RedRaider_25:

(Start: 137 @10628 has 22 MA's), (Start: 215 @10736 has 1 MA's), (216, 10739), (261, 10832), (328, 11000), (397, 11132), (444, 11225), (488, 11321), (513, 11375),

Gene: Redno2_47 Start: 39617, Stop: 40489, Start Num: 86

Candidate Starts for Redno2_47:

(Start: 86 @39617 has 31 MA's), (Start: 94 @39644 has 4 MA's), (184, 39773), (211, 39818), (226, 39839), (241, 39860), (269, 39914), (302, 39995), (421, 40274), (423, 40277), (435, 40301), (453, 40337), (460, 40352), (474, 40364), (485, 40385),

Gene: RemRem_50 Start: 45725, Stop: 44868, Start Num: 117

Candidate Starts for RemRem_50:

(Start: 117 @45725 has 49 MA's), (136, 45701), (Start: 161 @45662 has 4 MA's), (Start: 168 @45647 has 2 MA's), (183, 45611), (206, 45572), (240, 45512), (246, 45494), (260, 45455), (276, 45419), (278, 45413), (338, 45242), (368, 45167), (383, 45137), (426, 45050), (459, 44975), (472, 44948), (501, 44888),

Gene: Reptar3000_32 Start: 27365, Stop: 28156, Start Num: 102

Candidate Starts for Reptar3000_32:

(72, 27263), (76, 27281), (83, 27308), (Start: 102 @27365 has 23 MA's), (155, 27431), (Start: 168 @27455 has 2 MA's), (179, 27476), (184, 27485), (205, 27524), (211, 27533), (234, 27569), (238, 27578), (275, 27650), (354, 27857), (370, 27884), (380, 27905), (391, 27929), (481, 28007), (486, 28019), (522, 28091),

Gene: Richo_31 Start: 25850, Stop: 26611, Start Num: 119

Candidate Starts for Richo_31:

(99, 25820), (Start: 119 @25850 has 151 MA's), (155, 25895), (173, 25931), (Start: 207 @25991 has 2 MA's), (211, 25997), (230, 26027), (234, 26033), (238, 26042), (250, 26075), (269, 26117), (295, 26168), (301, 26183), (354, 26318), (370, 26345), (380, 26366), (384, 26372), (391, 26390), (446, 26423), (449, 26429), (481, 26477), (514, 26549), (534, 26591), (537, 26600),

Gene: Rimmer_34 Start: 31424, Stop: 32281, Start Num: 98

Candidate Starts for Rimmer_34:

(Start: 98 @31424 has 132 MA's), (Start: 121 @31463 has 2 MA's), (144, 31493), (155, 31514), (173, 31550), (Start: 189 @31580 has 17 MA's), (234, 31655), (259, 31703), (260, 31706), (270, 31730), (271, 31733), (278, 31748), (350, 31919), (397, 32018), (404, 32033), (411, 32048), (415, 32054), (445, 32096), (446, 32099), (481, 32153), (517, 32231), (535, 32264),

Gene: RiverMonster_35 Start: 31613, Stop: 32470, Start Num: 98

Candidate Starts for RiverMonster_35:

(Start: 98 @31613 has 132 MA's), (Start: 121 @31652 has 2 MA's), (144, 31682), (155, 31703), (173, 31739), (Start: 189 @31769 has 17 MA's), (234, 31844), (259, 31892), (260, 31895), (270, 31919), (271, 31922), (278, 31937), (350, 32108), (404, 32222), (411, 32237), (415, 32243), (445, 32285), (446, 32288), (481, 32342), (517, 32420), (535, 32453),

Gene: Roary_8 Start: 4837, Stop: 5646, Start Num: 110

Candidate Starts for Roary_8:

(Start: 110 @4837 has 51 MA's), (166, 4921), (Start: 189 @4966 has 17 MA's), (254, 5092), (350, 5326), (369, 5365), (379, 5383), (394, 5416), (403, 5434), (456, 5479), (482, 5503), (539, 5632),

Gene: Rockstar_10 Start: 5610, Stop: 6350, Start Num: 109

Candidate Starts for Rockstar_10:

(Start: 109 @5610 has 18 MA's), (173, 5697), (211, 5754), (219, 5766), (221, 5769), (236, 5793), (244, 5808), (269, 5856), (271, 5862), (282, 5889), (308, 5958), (333, 6030), (340, 6042), (352, 6072), (381, 6099), (393, 6126), (413, 6159), (415, 6162), (436, 6201), (474, 6255), (532, 6342),

Gene: Roimos_10 Start: 5706, Stop: 6446, Start Num: 109

Candidate Starts for Roimos_10:

(Start: 109 @5706 has 18 MA's), (173, 5793), (211, 5850), (219, 5862), (221, 5865), (236, 5889), (244, 5904), (269, 5952), (271, 5958), (282, 5985), (308, 6054), (333, 6126), (352, 6168), (381, 6195), (393, 6222), (413, 6255), (415, 6258), (436, 6297), (532, 6438),

Gene: Rosmarinus_31 Start: 26482, Stop: 27354, Start Num: 119

Candidate Starts for Rosmarinus_31:

(33, 26152), (76, 26380), (99, 26455), (Start: 119 @26482 has 151 MA's), (Start: 134 @26494 has 1 MA's), (173, 26563), (Start: 189 @26590 has 17 MA's), (205, 26620), (211, 26629), (234, 26665), (238, 26674), (250, 26707), (259, 26725), (271, 26755), (301, 26815), (354, 26950), (370, 26977), (380, 26998), (391, 27022), (419, 27073), (449, 27175), (474, 27211), (486, 27235), (534, 27334), (537, 27343),

Gene: RoyalG_50 Start: 46557, Stop: 45703, Start Num: 117

Candidate Starts for RoyalG_50:

(Start: 117 @46557 has 49 MA's), (136, 46533), (Start: 168 @46479 has 2 MA's), (206, 46401), (246, 46323), (250, 46311), (276, 46248), (278, 46242), (290, 46218), (294, 46212), (338, 46077), (368, 46002), (393, 45948),

Gene: Ruthiejr_33 Start: 27519, Stop: 28310, Start Num: 102

Candidate Starts for Ruthiejr_33:

(Start: 102 @27519 has 23 MA's), (Start: 134 @27552 has 1 MA's), (155, 27585), (Start: 168 @27609 has 2 MA's), (179, 27630), (184, 27639), (198, 27669), (205, 27678), (211, 27687), (234, 27723), (275, 27804), (354, 28011), (370, 28038), (380, 28059), (389, 28074), (391, 28083), (446, 28107), (481, 28161), (486, 28173), (522, 28245),

Gene: Sahara_23 Start: 19470, Stop: 20177, Start Num: 126

Candidate Starts for Sahara_23:

(69, 19326), (Start: 126 @19470 has 32 MA's), (165, 19527), (Start: 187 @19566 has 7 MA's), (221, 19626), (232, 19644), (234, 19647), (243, 19665), (258, 19701), (273, 19737), (284, 19755), (301, 19785), (329, 19860), (381, 19959), (385, 19965), (509, 20169),

Gene: Saints25_36 Start: 31516, Stop: 32373, Start Num: 98

Candidate Starts for Saints25_36:

(Start: 98 @31516 has 132 MA's), (Start: 121 @31555 has 2 MA's), (144, 31585), (155, 31606), (173, 31642), (Start: 189 @31672 has 17 MA's), (234, 31747), (259, 31795), (260, 31798), (270, 31822), (271, 31825), (278, 31840), (350, 32011), (404, 32125), (411, 32140), (415, 32146), (445, 32188), (446, 32191), (481, 32245), (517, 32323), (535, 32356),

Gene: Saintus_8 Start: 4850, Stop: 5659, Start Num: 110

Candidate Starts for Saintus_8:

(Start: 110 @4850 has 51 MA's), (166, 4934), (Start: 189 @4979 has 17 MA's), (254, 5105), (350, 5339), (369, 5378), (379, 5396), (394, 5429), (403, 5447), (482, 5516), (539, 5645),

Gene: Sam12_49 Start: 45725, Stop: 44868, Start Num: 117

Candidate Starts for Sam12_49:

(Start: 117 @45725 has 49 MA's), (136, 45701), (Start: 161 @45662 has 4 MA's), (Start: 168 @45647 has 2 MA's), (183, 45611), (206, 45572), (240, 45512), (246, 45494), (260, 45455), (276, 45419), (278, 45413), (338, 45242), (368, 45167), (383, 45137), (426, 45050), (459, 44975), (472, 44948), (501, 44888),

Gene: SamScheppers_32 Start: 28032, Stop: 28823, Start Num: 102

Candidate Starts for SamScheppers_32:

(Start: 102 @28032 has 23 MA's), (Start: 134 @28065 has 1 MA's), (155, 28098), (Start: 168 @28122 has 2 MA's), (179, 28143), (184, 28152), (198, 28182), (205, 28191), (211, 28200), (234, 28236), (275, 28317), (354, 28524), (370, 28551), (380, 28572), (389, 28587), (391, 28596), (446, 28620), (481, 28674), (486, 28686), (522, 28758),

Gene: SamuelLPlaqson_31 Start: 26382, Stop: 27254, Start Num: 119

Candidate Starts for SamuelLPlaqson_31:

(76, 26280), (99, 26355), (Start: 119 @26382 has 151 MA's), (Start: 134 @26394 has 1 MA's), (173, 26463), (Start: 189 @26490 has 17 MA's), (205, 26520), (211, 26529), (234, 26565), (238, 26574), (250, 26607), (259, 26625), (301, 26715), (354, 26850), (370, 26877), (380, 26898), (391, 26922), (419, 26973), (449, 27075), (474, 27111), (486, 27135), (534, 27234), (537, 27243),

Gene: Sassay_34 Start: 31362, Stop: 32219, Start Num: 98

Candidate Starts for Sassay_34:

(Start: 98 @31362 has 132 MA's), (Start: 121 @31401 has 2 MA's), (144, 31431), (155, 31452), (173, 31488), (Start: 189 @31518 has 17 MA's), (234, 31593), (259, 31641), (260, 31644), (270, 31668), (271, 31671), (278, 31686), (350, 31857), (404, 31971), (411, 31986), (415, 31992), (445, 32034), (446, 32037), (481, 32091), (517, 32169), (535, 32202),

Gene: SaturnRing_10 Start: 5739, Stop: 6479, Start Num: 109

Candidate Starts for SaturnRing_10:

(66, 5622), (Start: 109 @5739 has 18 MA's), (173, 5826), (211, 5883), (219, 5895), (221, 5898), (236, 5922), (244, 5937), (257, 5955), (269, 5985), (271, 5991), (276, 6000), (282, 6018), (303, 6069), (308, 6087), (333, 6159), (352, 6201), (381, 6228), (393, 6255), (413, 6288), (415, 6291), (436, 6330), (532, 6471),

Gene: Savage_24 Start: 19798, Stop: 20505, Start Num: 126

Candidate Starts for Savage_24:

(69, 19654), (Start: 126 @19798 has 32 MA's), (165, 19855), (Start: 187 @19894 has 7 MA's), (217, 19945), (221, 19954), (232, 19972), (234, 19975), (258, 20029), (259, 20032), (273, 20065), (284, 20083), (300, 20110), (329, 20188), (367, 20257), (369, 20263), (381, 20287), (385, 20293), (509, 20497),

Gene: ScarletRaider_30 Start: 24488, Stop: 25168, Start Num: 171

Candidate Starts for ScarletRaider_30:

(Start: 171 @24488 has 11 MA's), (Start: 215 @24545 has 1 MA's), (277, 24662), (294, 24695), (304, 24725), (305, 24728), (311, 24749), (312, 24755), (321, 24773), (328, 24794), (365, 24863), (377, 24887), (389, 24905), (397, 24926), (451, 25019), (454, 25028), (488, 25079), (524, 25148), (531, 25163),

Gene: Scarlett_30 Start: 25696, Stop: 26436, Start Num: 119

Candidate Starts for Scarlett_30:

(99, 25669), (Start: 119 @25696 has 151 MA's), (155, 25741), (173, 25777), (211, 25834), (234, 25870), (250, 25912), (271, 25960), (301, 26020), (354, 26155), (370, 26182), (384, 26209), (391, 26227), (446, 26251), (474, 26293), (485, 26314), (486, 26317), (534, 26416),

Gene: Schatzie_46 Start: 41633, Stop: 42505, Start Num: 86

Candidate Starts for Schatzie_46:

(Start: 86 @41633 has 31 MA's), (Start: 94 @41660 has 4 MA's), (150, 41720), (173, 41768), (211, 41834), (226, 41855), (241, 41876), (269, 41930), (302, 42011), (421, 42290), (423, 42293), (435, 42317), (453, 42353), (460, 42368), (474, 42380), (485, 42401),

Gene: Schnabeltier_26 Start: 21755, Stop: 22468, Start Num: 131

Candidate Starts for Schnabeltier_26:

(95, 21698), (Start: 131 @21755 has 21 MA's), (Start: 187 @21848 has 7 MA's), (193, 21863), (221, 21908), (259, 21986), (269, 22010), (302, 22073), (305, 22082), (338, 22157), (374, 22232), (381, 22244), (385, 22250), (473, 22385),

Gene: Schomber_30 Start: 21318, Stop: 22016, Start Num: 171

Candidate Starts for Schomber_30:

(Start: 162 @21300 has 1 MA's), (Start: 171 @21318 has 11 MA's), (Start: 215 @21381 has 1 MA's), (234, 21417), (263, 21477), (267, 21489), (277, 21510), (294, 21543), (304, 21573), (305, 21576), (311, 21597), (312, 21603), (316, 21609), (324, 21630), (377, 21735), (385, 21744), (418, 21813), (420, 21819), (443, 21855), (451, 21867), (478, 21906), (488, 21927), (524, 21996), (529, 22008), (531, 22011),

Gene: Scorpia_9 Start: 5152, Stop: 5961, Start Num: 110

Candidate Starts for Scorpia_9:

(88, 5089), (Start: 98 @5128 has 132 MA's), (Start: 110 @5152 has 51 MA's), (155, 5215), (Start: 189 @5281 has 17 MA's), (195, 5296), (219, 5329), (332, 5599), (350, 5641), (369, 5680), (379, 5698), (393, 5728), (534, 5926),

Gene: Scout_10 Start: 5032, Stop: 5772, Start Num: 109

Candidate Starts for Scout_10:

(Start: 109 @5032 has 18 MA's), (173, 5119), (211, 5176), (219, 5188), (221, 5191), (236, 5215), (244, 5230), (257, 5248), (269, 5278), (271, 5284), (282, 5311), (308, 5380), (333, 5452), (352, 5494), (381, 5521), (393, 5548), (413, 5581), (415, 5584), (436, 5623), (532, 5764),

Gene: Scuba_25 Start: 9756, Stop: 10550, Start Num: 127

Candidate Starts for Scuba_25:

(Start: 127 @9756 has 5 MA's), (Start: 215 @9885 has 1 MA's), (216, 9888), (244, 9945), (261, 9987), (308, 10101), (312, 10116), (321, 10134), (337, 10170), (374, 10239), (377, 10245), (418, 10323), (422, 10332), (448, 10386), (478, 10446),

Gene: Serenity_10 Start: 5599, Stop: 6363, Start Num: 111

Candidate Starts for Serenity_10:

(Start: 111 @5599 has 17 MA's), (211, 5743), (270, 5857), (276, 5869), (303, 5938), (308, 5956), (329, 6019), (381, 6097), (393, 6124), (404, 6139), (413, 6157), (415, 6160), (472, 6250), (504, 6319),

Gene: SgtBeansprout_27 Start: 25978, Stop: 26736, Start Num: 118

Candidate Starts for SgtBeansprout_27:

(76, 25876), (Start: 92 @25930 has 3 MA's), (99, 25951), (Start: 118 @25978 has 20 MA's), (155, 26023), (173, 26059), (Start: 207 @26119 has 2 MA's), (211, 26125), (230, 26155), (250, 26203), (269, 26245), (301, 26311), (311, 26347), (354, 26446), (370, 26473), (380, 26494), (384, 26500), (440, 26539), (446, 26551), (449, 26557), (461, 26581), (481, 26605), (534, 26716), (537, 26725),

Gene: Shaboozey_41 Start: 36415, Stop: 37287, Start Num: 86

Candidate Starts for Shaboozey_41:

(Start: 86 @36415 has 31 MA's), (Start: 94 @36442 has 4 MA's), (150, 36502), (173, 36550), (211, 36616), (226, 36637), (241, 36658), (269, 36712), (302, 36793), (421, 37072), (423, 37075), (435, 37099), (453, 37135), (460, 37150), (474, 37162), (485, 37183), (527, 37255),

Gene: Shadow1_30 Start: 25713, Stop: 26456, Start Num: 119

Candidate Starts for Shadow1_30:

(76, 25611), (80, 25632), (Start: 92 @25665 has 3 MA's), (99, 25686), (Start: 119 @25713 has 151 MA's), (154, 25755), (155, 25761), (173, 25797), (205, 25845), (211, 25854), (234, 25890), (250, 25932), (301, 26040), (354, 26175), (364, 26190), (370, 26202), (380, 26223), (389, 26238), (391, 26247), (440, 26259), (481, 26325), (519, 26406), (533, 26427), (534, 26436),

Gene: ShamWow_35 Start: 31858, Stop: 32715, Start Num: 98

Candidate Starts for ShamWow_35:

(Start: 98 @31858 has 132 MA's), (Start: 121 @31897 has 2 MA's), (144, 31927), (155, 31948), (173, 31984), (Start: 189 @32014 has 17 MA's), (234, 32089), (259, 32137), (260, 32140), (270, 32164), (271, 32167), (278, 32182), (350, 32353), (397, 32452), (404, 32467), (411, 32482), (415, 32488), (445, 32530), (446, 32533), (481, 32587), (517, 32665), (535, 32698),

Gene: Shaobing_31 Start: 25850, Stop: 26611, Start Num: 119

Candidate Starts for Shaobing_31:

(99, 25820), (Start: 119 @25850 has 151 MA's), (155, 25895), (173, 25931), (Start: 207 @25991 has 2 MA's), (211, 25997), (230, 26027), (234, 26033), (238, 26042), (250, 26075), (269, 26117), (295, 26168), (301, 26183), (354, 26318), (370, 26345), (380, 26366), (384, 26372), (391, 26390), (446, 26423), (449, 26429), (481, 26477), (514, 26549), (534, 26591), (537, 26600),

Gene: Shatter_42 Start: 35273, Stop: 35995, Start Num: 126

Candidate Starts for Shatter_42:

(18, 34883), (55, 35060), (73, 35168), (Start: 126 @35273 has 32 MA's), (224, 35435), (247, 35480), (273, 35543), (284, 35561), (300, 35588), (329, 35666), (331, 35669), (367, 35738), (381, 35768), (385, 35774), (499, 35963),

Gene: ShawBrad_28 Start: 21511, Stop: 22134, Start Num: 201

Candidate Starts for ShawBrad_28:

(53, 21136), (61, 21193), (68, 21238), (80, 21292), (81, 21295), (Start: 92 @21331 has 3 MA's), (113, 21376), (114, 21379), (Start: 201 @21511 has 28 MA's), (205, 21517), (223, 21547), (231, 21562), (297, 21703), (308, 21742), (337, 21814), (373, 21877), (397, 21922), (406, 21940), (418, 21961), (422, 21970), (503, 22102), (507, 22111), (513, 22123),

Gene: ShedlockHolmes_32 Start: 27460, Stop: 28248, Start Num: 119

Candidate Starts for ShedlockHolmes_32:

(99, 27436), (Start: 119 @27460 has 151 MA's), (155, 27505), (173, 27541), (205, 27598), (211, 27607), (234, 27643), (259, 27697), (269, 27721), (326, 27862), (354, 27925), (370, 27967), (380, 27988), (384, 27994), (391, 28012), (445, 28042), (486, 28111), (522, 28183), (534, 28213),

Gene: Sheen_12 Start: 7592, Stop: 8332, Start Num: 119

Candidate Starts for Sheen_12:

(87, 7544), (Start: 119 @7592 has 151 MA's), (150, 7628), (211, 7733), (259, 7805), (270, 7832), (276, 7844), (282, 7862), (308, 7931), (329, 7994), (352, 8045), (381, 8072), (393, 8099), (415, 8135), (445, 8183), (472, 8225),

Gene: ShereKhan_37 Start: 32841, Stop: 33698, Start Num: 98

Candidate Starts for ShereKhan_37:

(Start: 98 @32841 has 132 MA's), (Start: 121 @32880 has 2 MA's), (144, 32910), (155, 32931), (173, 32967), (Start: 189 @32997 has 17 MA's), (234, 33072), (259, 33120), (260, 33123), (270, 33147), (271, 33150), (278, 33165), (350, 33336), (404, 33450), (411, 33465), (415, 33471), (445, 33513), (446, 33516), (481, 33570), (517, 33648), (535, 33681),

Gene: ShiaSurprise_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for ShiaSurprise_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: Simpliphy_36 Start: 31603, Stop: 32460, Start Num: 98

Candidate Starts for Simpliphy_36:

(Start: 98 @31603 has 132 MA's), (Start: 121 @31642 has 2 MA's), (144, 31672), (155, 31693), (173, 31729), (Start: 189 @31759 has 17 MA's), (234, 31834), (259, 31882), (260, 31885), (270, 31909), (271, 31912), (278, 31927), (350, 32098), (404, 32212), (411, 32227), (415, 32233), (445, 32275), (446, 32278), (481, 32332), (517, 32410), (535, 32443),

Gene: SirDuracell_34 Start: 30523, Stop: 31380, Start Num: 98

Candidate Starts for SirDuracell_34:

(Start: 98 @30523 has 132 MA's), (Start: 121 @30562 has 2 MA's), (144, 30592), (155, 30613), (173, 30649), (Start: 189 @30679 has 17 MA's), (234, 30754), (259, 30802), (260, 30805), (270, 30829), (271, 30832), (278, 30847), (350, 31018), (404, 31132), (411, 31147), (415, 31153), (445, 31195), (446, 31198), (481, 31252), (517, 31330), (535, 31363),

Gene: SirPhilip_30 Start: 25363, Stop: 26103, Start Num: 119

Candidate Starts for SirPhilip_30:

(Start: 119 @25363 has 151 MA's), (155, 25408), (173, 25444), (205, 25492), (211, 25501), (238, 25546), (250, 25579), (276, 25636), (300, 25684), (301, 25687), (326, 25759), (354, 25822), (364, 25837), (370, 25849), (390, 25888), (391, 25894), (474, 25960), (534, 26083), (537, 26092),

Gene: Sisko_42 Start: 36073, Stop: 36798, Start Num: 124

Candidate Starts for Sisko_42:

(58, 35875), (73, 35947), (Start: 124 @36073 has 6 MA's), (Start: 134 @36082 has 1 MA's), (221, 36232), (224, 36238), (239, 36262), (243, 36271), (247, 36283), (252, 36298), (270, 36340), (284, 36364), (301, 36394), (335, 36478), (367, 36541), (377, 36565), (381, 36571), (493, 36754), (497, 36763),

Gene: Skysand_20 Start: 9079, Stop: 9852, Start Num: 137

Candidate Starts for Skysand_20:

(Start: 137 @9079 has 22 MA's), (Start: 215 @9187 has 1 MA's), (216, 9190), (244, 9241), (261, 9283), (308, 9397), (328, 9451), (397, 9583), (488, 9772), (513, 9826),

Gene: Slarp_32 Start: 27640, Stop: 28431, Start Num: 102

Candidate Starts for Slarp_32:

(Start: 102 @27640 has 23 MA's), (Start: 134 @27673 has 1 MA's), (155, 27706), (Start: 168 @27730 has 2 MA's), (179, 27751), (184, 27760), (198, 27790), (205, 27799), (211, 27808), (234, 27844), (275, 27925), (354, 28132), (370, 28159), (380, 28180), (391, 28204), (446, 28228), (481, 28282), (486, 28294), (522, 28366),

Gene: Slimphazie_31 Start: 26461, Stop: 27333, Start Num: 119

Candidate Starts for Slimphazie_31:

(99, 26434), (Start: 119 @26461 has 151 MA's), (Start: 134 @26473 has 1 MA's), (173, 26542), (Start: 189 @26569 has 17 MA's), (205, 26599), (211, 26608), (234, 26644), (238, 26653), (250, 26686), (259, 26704), (271, 26734), (300, 26791), (301, 26794), (354, 26929), (370, 26956), (380, 26977), (391, 27001), (419, 27052), (449, 27154), (474, 27190), (486, 27214), (534, 27313), (537, 27322),

Gene: Smeadley_8 Start: 4870, Stop: 5679, Start Num: 110

Candidate Starts for Smeadley_8:

(Start: 110 @4870 has 51 MA's), (166, 4954), (Start: 189 @4999 has 17 MA's), (226, 5059), (254, 5125), (350, 5359), (369, 5398), (379, 5416), (394, 5449), (403, 5467), (456, 5512), (482, 5536), (539, 5665),

Gene: SoSeph_30 Start: 27195, Stop: 28064, Start Num: 119

Candidate Starts for SoSeph_30:

(76, 27093), (Start: 92 @27147 has 3 MA's), (Start: 119 @27195 has 151 MA's), (Start: 134 @27207 has 1 MA's), (Start: 139 @27213 has 8 MA's), (155, 27240), (Start: 171 @27270 has 11 MA's), (173, 27276), (205, 27330), (211, 27339), (219, 27351), (238, 27384), (250, 27417), (271, 27465), (296, 27513), (326, 27597), (370, 27687), (378, 27705), (380, 27708), (410, 27771), (419, 27786), (433, 27810), (449, 27882), (474, 27918), (476, 27921), (486, 27942), (511, 27999), (533, 28035), (534, 28044), (537, 28053),

Gene: SoilAssassin_24 Start: 19791, Stop: 20498, Start Num: 126

Candidate Starts for SoilAssassin_24:

(69, 19647), (Start: 126 @19791 has 32 MA's), (165, 19848), (Start: 187 @19887 has 7 MA's), (221, 19947), (232, 19965), (234, 19968), (243, 19986), (258, 20022), (259, 20025), (273, 20058), (284, 20076), (300, 20103), (329, 20181), (367, 20250), (381, 20280), (385, 20286), (509, 20490),

Gene: Sombrero_50 Start: 46098, Stop: 45244, Start Num: 117

Candidate Starts for Sombrero_50:

(45, 46365), (51, 46341), (Start: 117 @46098 has 49 MA's), (136, 46074), (Start: 168 @46020 has 2 MA's), (206, 45945), (240, 45885), (246, 45867), (253, 45843), (260, 45828), (276, 45792), (278, 45786), (338, 45618), (358, 45567), (359, 45561), (368, 45543), (426, 45426), (459, 45351), (472, 45324), (477, 45315), (501, 45264),

Gene: SophKB_35 Start: 31857, Stop: 32714, Start Num: 98

Candidate Starts for SophKB_35:

(Start: 98 @31857 has 132 MA's), (Start: 121 @31896 has 2 MA's), (144, 31926), (155, 31947), (173, 31983), (Start: 189 @32013 has 17 MA's), (234, 32088), (259, 32136), (260, 32139), (270, 32163), (271, 32166), (278, 32181), (350, 32352), (404, 32466), (411, 32481), (415, 32487), (445, 32529), (446, 32532), (481, 32586), (517, 32664), (535, 32697),

Gene: Sotrice96_35 Start: 31812, Stop: 32669, Start Num: 98

Candidate Starts for Sotrice96_35:

(Start: 98 @31812 has 132 MA's), (Start: 121 @31851 has 2 MA's), (144, 31881), (155, 31902), (173, 31938), (Start: 189 @31968 has 17 MA's), (234, 32043), (259, 32091), (260, 32094), (270, 32118), (271, 32121), (278, 32136), (350, 32307), (404, 32421), (411, 32436), (415, 32442), (445, 32484), (446, 32487), (481, 32541), (517, 32619), (535, 32652),

Gene: Sour_47 Start: 39940, Stop: 40659, Start Num: 124

Candidate Starts for Sour_47:

(73, 39817), (Start: 124 @39940 has 6 MA's), (136, 39949), (172, 40009), (221, 40096), (224, 40102), (239, 40126), (247, 40147), (257, 40171), (259, 40177), (270, 40204), (273, 40210), (284, 40228), (300, 40255), (301, 40258), (367, 40402), (381, 40432), (489, 40600), (505, 40639),

Gene: Spock_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Spock_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: Spooky_28 Start: 21590, Stop: 22213, Start Num: 201

Candidate Starts for Spooky_28:

(53, 21218), (61, 21275), (68, 21320), (80, 21374), (81, 21377), (Start: 92 @21413 has 3 MA's), (113, 21458), (114, 21461), (Start: 201 @21590 has 28 MA's), (Start: 207 @21599 has 2 MA's), (223, 21626), (231, 21641), (259, 21701), (301, 21794), (308, 21821), (337, 21893), (373, 21956), (397, 22001), (406, 22019), (418, 22040), (422, 22049), (503, 22181), (507, 22190),

Gene: Sproutie_24 Start: 19798, Stop: 20505, Start Num: 126

Candidate Starts for Sproutie_24:

(69, 19654), (Start: 126 @19798 has 32 MA's), (165, 19855), (Start: 187 @19894 has 7 MA's), (217, 19945), (221, 19954), (232, 19972), (234, 19975), (258, 20029), (259, 20032), (273, 20065), (284, 20083), (300, 20110), (329, 20188), (367, 20257), (369, 20263), (381, 20287), (385, 20293), (509, 20497),

Gene: Squibbles_49 Start: 46510, Stop: 45731, Start Num: 168

Candidate Starts for Squibbles_49:

(Start: 117 @46588 has 49 MA's), (136, 46564), (Start: 161 @46525 has 4 MA's), (Start: 168 @46510 has 2 MA's), (183, 46474), (206, 46435), (240, 46375), (246, 46357), (260, 46318), (276, 46282), (278, 46276), (338, 46105), (368, 46030), (383, 46000), (426, 45913), (459, 45838), (472, 45811), (501,

45751),

Gene: Squiddly_30 Start: 23002, Stop: 23625, Start Num: 201

Candidate Starts for Squiddly_30:

(53, 22630), (61, 22687), (68, 22732), (80, 22786), (81, 22789), (Start: 92 @22825 has 3 MA's), (113, 22870), (114, 22873), (Start: 201 @23002 has 28 MA's), (Start: 207 @23011 has 2 MA's), (223, 23038), (231, 23053), (259, 23113), (301, 23206), (308, 23233), (337, 23305), (373, 23368), (397, 23413), (406, 23431), (418, 23452), (422, 23461), (503, 23593), (507, 23602),

Gene: Stank_38 Start: 32364, Stop: 33221, Start Num: 98

Candidate Starts for Stank_38:

(Start: 98 @32364 has 132 MA's), (Start: 121 @32403 has 2 MA's), (144, 32433), (155, 32454), (173, 32490), (Start: 189 @32520 has 17 MA's), (234, 32595), (259, 32643), (260, 32646), (270, 32670), (271, 32673), (278, 32688), (350, 32859), (404, 32973), (411, 32988), (415, 32994), (445, 33036), (446, 33039), (481, 33093), (517, 33171), (535, 33204),

Gene: StarStruck_19 Start: 8535, Stop: 9323, Start Num: 139

Candidate Starts for StarStruck_19:

(Start: 139 @8535 has 8 MA's), (151, 8544), (197, 8634), (Start: 215 @8658 has 1 MA's), (222, 8673), (242, 8706), (261, 8754), (328, 8922), (339, 8943), (488, 9249), (491, 9258), (493, 9264), (497, 9273), (510, 9297),

Gene: StarStuff_14 Start: 6597, Stop: 7361, Start Num: 111

Candidate Starts for StarStuff_14:

(Start: 111 @6597 has 17 MA's), (211, 6741), (259, 6828), (270, 6855), (276, 6867), (308, 6954), (381, 7095), (413, 7155), (415, 7158), (435, 7194), (472, 7248), (493, 7296),

Gene: Stark_36 Start: 31616, Stop: 32473, Start Num: 98

Candidate Starts for Stark_36:

(Start: 98 @31616 has 132 MA's), (Start: 121 @31655 has 2 MA's), (144, 31685), (155, 31706), (173, 31742), (Start: 189 @31772 has 17 MA's), (234, 31847), (259, 31895), (260, 31898), (270, 31922), (271, 31925), (278, 31940), (350, 32111), (404, 32225), (411, 32240), (415, 32246), (445, 32288), (446, 32291), (481, 32345), (517, 32423), (535, 32456),

Gene: StellaBean_35 Start: 31857, Stop: 32714, Start Num: 98

Candidate Starts for StellaBean_35:

(Start: 98 @31857 has 132 MA's), (Start: 121 @31896 has 2 MA's), (144, 31926), (155, 31947), (173, 31983), (Start: 189 @32013 has 17 MA's), (234, 32088), (259, 32136), (260, 32139), (270, 32163), (271, 32166), (278, 32181), (350, 32352), (404, 32466), (411, 32481), (415, 32487), (445, 32529), (446, 32532), (481, 32586), (517, 32664), (535, 32697),

Gene: Stephig9_8 Start: 4838, Stop: 5647, Start Num: 110

Candidate Starts for Stephig9_8:

(Start: 110 @4838 has 51 MA's), (166, 4922), (Start: 189 @4967 has 17 MA's), (226, 5027), (254, 5093), (350, 5327), (357, 5345), (369, 5366), (379, 5384), (394, 5417), (403, 5435), (456, 5480), (482, 5504), (539, 5633),

Gene: SteveFrench_49 Start: 46797, Stop: 45943, Start Num: 117

Candidate Starts for SteveFrench_49:

(Start: 117 @46797 has 49 MA's), (136, 46773), (Start: 168 @46719 has 2 MA's), (206, 46641), (246, 46563), (250, 46551), (276, 46488), (278, 46482), (290, 46458), (294, 46452), (338, 46317), (368, 46242), (393, 46188),

Gene: Stinson_32 Start: 26696, Stop: 27568, Start Num: 119

Candidate Starts for Stinson_32:

(99, 26669), (Start: 119 @26696 has 151 MA's), (Start: 134 @26708 has 1 MA's), (173, 26777), (Start: 189 @26804 has 17 MA's), (205, 26834), (211, 26843), (234, 26879), (238, 26888), (250, 26921), (259, 26939), (301, 27029), (354, 27164), (370, 27191), (380, 27212), (391, 27236), (419, 27287), (449, 27389), (474, 27425), (486, 27449), (534, 27548), (537, 27557),

Gene: StolenFromERC_37 Start: 31848, Stop: 32705, Start Num: 98

Candidate Starts for StolenFromERC_37:

(Start: 98 @31848 has 132 MA's), (Start: 121 @31887 has 2 MA's), (144, 31917), (155, 31938), (173, 31974), (Start: 189 @32004 has 17 MA's), (234, 32079), (259, 32127), (260, 32130), (270, 32154), (271, 32157), (278, 32172), (350, 32343), (404, 32457), (411, 32472), (415, 32478), (445, 32520), (446, 32523), (481, 32577), (517, 32655), (535, 32688),

Gene: StormChicken_35 Start: 32032, Stop: 32889, Start Num: 98

Candidate Starts for StormChicken_35:

(Start: 98 @32032 has 132 MA's), (Start: 121 @32071 has 2 MA's), (144, 32101), (155, 32122), (173, 32158), (Start: 189 @32188 has 17 MA's), (234, 32263), (259, 32311), (260, 32314), (270, 32338), (271, 32341), (278, 32356), (350, 32527), (397, 32626), (404, 32641), (411, 32656), (415, 32662), (445, 32704), (446, 32707), (481, 32761), (517, 32839), (535, 32872),

Gene: Sukkupi_19 Start: 7686, Stop: 8480, Start Num: 92

Candidate Starts for Sukkupi_19:

(Start: 92 @7686 has 3 MA's), (Start: 215 @7800 has 1 MA's), (216, 7803), (222, 7815), (261, 7896), (321, 8046), (330, 8070), (347, 8103), (416, 8235), (470, 8361), (488, 8397), (513, 8451),

Gene: Sulley_31 Start: 26427, Stop: 27299, Start Num: 119

Candidate Starts for Sulley_31:

(33, 26097), (76, 26325), (99, 26400), (Start: 119 @26427 has 151 MA's), (Start: 134 @26439 has 1 MA's), (173, 26508), (Start: 189 @26535 has 17 MA's), (205, 26565), (211, 26574), (234, 26610), (238, 26619), (250, 26652), (259, 26670), (271, 26700), (301, 26760), (354, 26895), (370, 26922), (380, 26943), (391, 26967), (419, 27018), (449, 27120), (474, 27156), (486, 27180), (534, 27279), (537, 27288),

Gene: Sunflower1121_30 Start: 25725, Stop: 26468, Start Num: 119

Candidate Starts for Sunflower1121_30:

(76, 25623), (80, 25644), (Start: 92 @25677 has 3 MA's), (99, 25698), (Start: 119 @25725 has 151 MA's), (154, 25767), (155, 25773), (173, 25809), (205, 25857), (211, 25866), (234, 25902), (250, 25944), (301, 26052), (354, 26187), (364, 26202), (370, 26214), (380, 26235), (389, 26250), (391, 26259), (440, 26271), (481, 26337), (519, 26418), (533, 26439), (534, 26448),

Gene: SuperSulley_20 Start: 8964, Stop: 9755, Start Num: 139

Candidate Starts for SuperSulley_20:

(Start: 139 @8964 has 8 MA's), (151, 8973), (169, 9009), (202, 9072), (Start: 215 @9090 has 1 MA's), (222, 9105), (238, 9129), (242, 9138), (261, 9186), (277, 9222), (321, 9333), (339, 9375), (478, 9660), (488, 9681), (491, 9690), (493, 9696), (510, 9729),

Gene: Suscepit_27 Start: 22303, Stop: 22923, Start Num: 189

Candidate Starts for Suscepit_27:

(50, 21928), (80, 22099), (81, 22102), (113, 22183), (Start: 125 @22204 has 21 MA's), (Start: 189 @22303 has 17 MA's), (205, 22312), (231, 22357), (267, 22438), (308, 22537), (322, 22573), (347, 22624), (373, 22672), (406, 22735), (422, 22765), (454, 22816), (488, 22867), (503, 22894),

Gene: SushiChef_27 Start: 22481, Stop: 23125, Start Num: 176

Candidate Starts for SushiChef_27:

(Start: 125 @22409 has 21 MA's), (159, 22448), (176, 22481), (Start: 188 @22508 has 13 MA's), (Start: 207 @22517 has 2 MA's), (231, 22559), (238, 22571), (259, 22619), (267, 22640), (277, 22661), (294, 22694), (308, 22739), (322, 22775), (323, 22778), (347, 22826), (406, 22937), (422, 22967), (454, 23018), (503, 23096),

Gene: Swirley_8 Start: 5325, Stop: 6134, Start Num: 110

Candidate Starts for Swirley_8:

(Start: 110 @5325 has 51 MA's), (155, 5388), (Start: 161 @5397 has 4 MA's), (Start: 189 @5454 has 17 MA's), (219, 5502), (256, 5583), (332, 5772), (350, 5814), (379, 5871), (399, 5913), (539, 6120),

Gene: SydNat_8 Start: 5432, Stop: 6241, Start Num: 110

Candidate Starts for SydNat_8:

(Start: 110 @5432 has 51 MA's), (155, 5495), (Start: 161 @5504 has 4 MA's), (Start: 189 @5561 has 17 MA's), (219, 5609), (247, 5666), (256, 5690), (332, 5879), (350, 5921), (379, 5978), (539, 6227),

Gene: Syra333_31 Start: 25735, Stop: 26478, Start Num: 119

Candidate Starts for Syra333_31:

(99, 25708), (Start: 119 @25735 has 151 MA's), (154, 25777), (155, 25783), (173, 25819), (205, 25867), (211, 25876), (234, 25912), (250, 25954), (301, 26062), (354, 26197), (364, 26212), (370, 26224), (380, 26245), (389, 26260), (391, 26269), (440, 26281), (519, 26428), (533, 26449), (534, 26458),

Gene: TBond007_31 Start: 26937, Stop: 27725, Start Num: 119

Candidate Starts for TBond007_31:

(99, 26913), (Start: 119 @26937 has 151 MA's), (155, 26982), (173, 27018), (205, 27075), (211, 27084), (234, 27120), (259, 27174), (269, 27198), (326, 27339), (354, 27402), (370, 27444), (380, 27465), (384, 27471), (391, 27489), (445, 27519), (486, 27588), (522, 27660), (534, 27690),

Gene: TBrady12_37 Start: 31848, Stop: 32705, Start Num: 98

Candidate Starts for TBrady12_37:

(Start: 98 @31848 has 132 MA's), (Start: 121 @31887 has 2 MA's), (144, 31917), (155, 31938), (173, 31974), (Start: 189 @32004 has 17 MA's), (234, 32079), (259, 32127), (260, 32130), (270, 32154), (271, 32157), (278, 32172), (350, 32343), (404, 32457), (411, 32472), (415, 32478), (445, 32520), (446, 32523), (481, 32577), (517, 32655), (535, 32688),

Gene: TClif_32 Start: 26185, Stop: 27048, Start Num: 122

Candidate Starts for TClif_32:

(76, 26083), (80, 26104), (Start: 92 @26137 has 3 MA's), (99, 26158), (Start: 122 @26185 has 2 MA's), (Start: 134 @26197 has 1 MA's), (155, 26230), (173, 26266), (205, 26314), (211, 26323), (238, 26368), (250, 26401), (295, 26494), (301, 26509), (354, 26644), (370, 26671), (380, 26692), (391, 26716), (401, 26737), (446, 26863), (449, 26869), (476, 26908), (534, 27028), (537, 27037),

Gene: TNguyen7_10 Start: 5709, Stop: 6449, Start Num: 109

Candidate Starts for TNguyen7_10:

(66, 5592), (Start: 109 @5709 has 18 MA's), (173, 5796), (211, 5853), (219, 5865), (221, 5868), (236, 5892), (244, 5907), (257, 5925), (269, 5955), (271, 5961), (276, 5970), (282, 5988), (303, 6039), (308, 6057), (333, 6129), (352, 6171), (381, 6198), (393, 6225), (413, 6258), (415, 6261), (436, 6300), (532, 6441),

Gene: Tachez_31 Start: 26423, Stop: 27295, Start Num: 119

Candidate Starts for Tachez_31:

(99, 26396), (Start: 119 @26423 has 151 MA's), (Start: 134 @26435 has 1 MA's), (173, 26504), (Start: 189 @26531 has 17 MA's), (205, 26561), (211, 26570), (234, 26606), (238, 26615), (250, 26648), (259, 26666), (271, 26696), (300, 26753), (301, 26756), (354, 26891), (370, 26918), (380, 26939), (391, 26963), (419, 27014), (449, 27116), (474, 27152), (486, 27176), (534, 27275), (537, 27284),

Gene: TaiwanKao_32 Start: 26427, Stop: 27299, Start Num: 119

Candidate Starts for TaiwanKao_32:

(99, 26400), (Start: 119 @26427 has 151 MA's), (Start: 134 @26439 has 1 MA's), (173, 26508), (Start: 189 @26535 has 17 MA's), (205, 26565), (211, 26574), (234, 26610), (238, 26619), (250, 26652), (259, 26670), (301, 26760), (354, 26895), (370, 26922), (380, 26943), (391, 26967), (419, 27018), (438, 27069), (449, 27120), (474, 27156), (486, 27180), (534, 27279), (537, 27288),

Gene: Taquito_32 Start: 28079, Stop: 28870, Start Num: 102

Candidate Starts for Taquito_32:

(Start: 102 @28079 has 23 MA's), (Start: 134 @28112 has 1 MA's), (155, 28145), (Start: 168 @28169 has 2 MA's), (179, 28190), (184, 28199), (198, 28229), (205, 28238), (211, 28247), (234, 28283), (275, 28364), (354, 28571), (370, 28598), (380, 28619), (389, 28634), (391, 28643), (446, 28667), (481, 28721), (486, 28733), (522, 28805),

Gene: Tarkin_37 Start: 32847, Stop: 33704, Start Num: 98

Candidate Starts for Tarkin_37:

(Start: 98 @32847 has 132 MA's), (Start: 121 @32886 has 2 MA's), (144, 32916), (155, 32937), (173, 32973), (Start: 189 @33003 has 17 MA's), (234, 33078), (259, 33126), (260, 33129), (270, 33153), (271, 33156), (278, 33171), (350, 33342), (404, 33456), (411, 33471), (415, 33477), (445, 33519), (446, 33522), (481, 33576), (517, 33654), (535, 33687),

Gene: TaronosaurusRx_26 Start: 21786, Stop: 22499, Start Num: 131

Candidate Starts for TaronosaurusRx_26:

(95, 21729), (99, 21738), (Start: 131 @21786 has 21 MA's), (172, 21852), (Start: 187 @21879 has 7 MA's), (193, 21894), (221, 21939), (247, 21990), (259, 22017), (269, 22041), (302, 22104), (305, 22113), (338, 22188), (374, 22263), (381, 22275), (385, 22281), (450, 22383),

Gene: Tarynearal_7 Start: 5352, Stop: 6161, Start Num: 110

Candidate Starts for Tarynearal_7:

(Start: 110 @5352 has 51 MA's), (155, 5415), (Start: 161 @5424 has 4 MA's), (Start: 189 @5481 has 17 MA's), (219, 5529), (256, 5610), (332, 5799), (350, 5841), (379, 5898), (399, 5940), (539, 6147),

Gene: Tayonia_27 Start: 22303, Stop: 22923, Start Num: 189

Candidate Starts for Tayonia_27:

(50, 21928), (80, 22099), (81, 22102), (113, 22183), (Start: 125 @22204 has 21 MA's), (Start: 189 @22303 has 17 MA's), (205, 22312), (231, 22357), (267, 22438), (308, 22537), (322, 22573), (347, 22624), (373, 22672), (406, 22735), (422, 22765), (454, 22816), (488, 22867), (503, 22894),

Gene: TeamEdward_35 Start: 32029, Stop: 32886, Start Num: 98

Candidate Starts for TeamEdward_35:

(Start: 98 @32029 has 132 MA's), (Start: 121 @32068 has 2 MA's), (144, 32098), (155, 32119), (173, 32155), (Start: 189 @32185 has 17 MA's), (234, 32260), (259, 32308), (260, 32311), (270, 32335), (271, 32338), (278, 32353), (350, 32524), (397, 32623), (404, 32638), (411, 32653), (415, 32659), (445, 32701), (446, 32704), (481, 32758), (517, 32836), (535, 32869),

Gene: TeardropMSU_34 Start: 31758, Stop: 32615, Start Num: 98

Candidate Starts for TeardropMSU_34:

(Start: 98 @31758 has 132 MA's), (Start: 121 @31797 has 2 MA's), (144, 31827), (155, 31848), (173, 31884), (Start: 189 @31914 has 17 MA's), (234, 31989), (259, 32037), (260, 32040), (270, 32064), (271, 32067), (278, 32082), (350, 32253), (404, 32367), (411, 32382), (415, 32388), (445, 32430), (446, 32433), (481, 32487), (517, 32565), (535, 32598),

Gene: Teaspoon_36 Start: 31811, Stop: 32668, Start Num: 98

Candidate Starts for Teaspoon_36:

(Start: 98 @31811 has 132 MA's), (Start: 121 @31850 has 2 MA's), (144, 31880), (155, 31901), (173, 31937), (Start: 189 @31967 has 17 MA's), (234, 32042), (259, 32090), (260, 32093), (270, 32117), (271, 32120), (278, 32135), (350, 32306), (404, 32420), (411, 32435), (415, 32441), (445, 32483), (446, 32486), (481, 32540), (517, 32618), (535, 32651),

Gene: Teatealatte_45 Start: 46644, Stop: 45817, Start Num: 117

Candidate Starts for Teatealatte_45:

(Start: 117 @46644 has 49 MA's), (136, 46617), (173, 46551), (228, 46458), (313, 46245), (360, 46116), (389, 46059), (448, 45936), (459, 45912), (467, 45897), (481, 45867),

Gene: Teech_45 Start: 46445, Stop: 45618, Start Num: 117

Candidate Starts for Teech_45:

(Start: 117 @46445 has 49 MA's), (136, 46418), (173, 46352), (228, 46259), (313, 46046), (360, 45917), (389, 45860), (448, 45737), (467, 45698), (479, 45674), (481, 45668),

Gene: Teejan_27 Start: 25978, Stop: 26736, Start Num: 118

Candidate Starts for Teejan_27:

(76, 25876), (Start: 92 @25930 has 3 MA's), (99, 25951), (Start: 118 @25978 has 20 MA's), (155, 26023), (173, 26059), (Start: 207 @26119 has 2 MA's), (211, 26125), (230, 26155), (250, 26203), (269, 26245), (301, 26311), (311, 26347), (354, 26446), (370, 26473), (380, 26494), (384, 26500), (440, 26539), (446, 26551), (449, 26557), (461, 26581), (481, 26605), (534, 26716), (537, 26725),

Gene: Terminus_35 Start: 31945, Stop: 32802, Start Num: 98

Candidate Starts for Terminus_35:

(Start: 98 @31945 has 132 MA's), (Start: 121 @31984 has 2 MA's), (144, 32014), (155, 32035), (173, 32071), (Start: 189 @32101 has 17 MA's), (234, 32176), (259, 32224), (260, 32227), (270, 32251), (271, 32254), (278, 32269), (350, 32440), (404, 32554), (411, 32569), (415, 32575), (445, 32617), (446, 32620), (481, 32674), (517, 32752), (535, 32785),

Gene: Thales_26 Start: 21024, Stop: 21719, Start Num: 171

Candidate Starts for Thales_26:

(Start: 171 @21024 has 11 MA's), (Start: 215 @21084 has 1 MA's), (239, 21129), (267, 21192), (277, 21213), (294, 21246), (305, 21279), (347, 21378), (365, 21414), (377, 21438), (385, 21447), (406, 21495), (412, 21507), (418, 21516), (443, 21558), (478, 21609), (521, 21696),

Gene: ThankyouJordi_24 Start: 22284, Stop: 22901, Start Num: 188

Candidate Starts for ThankyouJordi_24:

(Start: 125 @22185 has 21 MA's), (159, 22224), (176, 22257), (Start: 188 @22284 has 13 MA's), (205, 22290), (Start: 207 @22293 has 2 MA's), (231, 22335), (259, 22395), (294, 22470), (301, 22488), (308, 22515), (322, 22551), (347, 22602), (353, 22623), (406, 22713), (454, 22794), (503, 22872),

Gene: Theia_7 Start: 5291, Stop: 6100, Start Num: 110

Candidate Starts for Theia_7:

(Start: 110 @5291 has 51 MA's), (155, 5354), (Start: 161 @5363 has 4 MA's), (Start: 189 @5420 has 17 MA's), (219, 5468), (332, 5738), (350, 5780), (379, 5837), (399, 5879), (539, 6086),

Gene: Thimble_35 Start: 30808, Stop: 31665, Start Num: 98

Candidate Starts for Thimble_35:

(Start: 98 @30808 has 132 MA's), (Start: 121 @30847 has 2 MA's), (144, 30877), (155, 30898), (173, 30934), (Start: 189 @30964 has 17 MA's), (234, 31039), (259, 31087), (260, 31090), (270, 31114), (271, 31117), (278, 31132), (350, 31303), (404, 31417), (411, 31432), (415, 31438), (445, 31480), (446, 31483), (481, 31537), (517, 31615), (535, 31648),

Gene: ThreeRngTarjay_47 Start: 42712, Stop: 43584, Start Num: 86

Candidate Starts for ThreeRngTarjay_47:

(Start: 86 @42712 has 31 MA's), (Start: 94 @42739 has 4 MA's), (150, 42799), (173, 42847), (211, 42913), (226, 42934), (241, 42955), (269, 43009), (302, 43090), (421, 43369), (423, 43372), (435, 43396), (453, 43432), (460, 43447), (474, 43459), (485, 43480),

Gene: Thresher_36 Start: 32612, Stop: 33469, Start Num: 98

Candidate Starts for Thresher_36:

(Start: 98 @32612 has 132 MA's), (Start: 121 @32651 has 2 MA's), (144, 32681), (155, 32702), (173, 32738), (Start: 189 @32768 has 17 MA's), (234, 32843), (259, 32891), (260, 32894), (270, 32918), (271, 32921), (278, 32936), (350, 33107), (404, 33221), (411, 33236), (415, 33242), (445, 33284), (446, 33287), (481, 33341), (517, 33419), (535, 33452),

Gene: Thyatira_30 Start: 27046, Stop: 27918, Start Num: 119

Candidate Starts for Thyatira_30:

(76, 26944), (Start: 92 @26998 has 3 MA's), (Start: 119 @27046 has 151 MA's), (Start: 134 @27058 has 1 MA's), (136, 27061), (Start: 139 @27064 has 8 MA's), (155, 27091), (Start: 171 @27121 has 11 MA's), (173, 27127), (205, 27181), (211, 27190), (219, 27202), (238, 27235), (250, 27268), (271, 27316), (303, 27385), (336, 27469), (370, 27538), (378, 27556), (380, 27559), (409, 27619), (433, 27664), (449, 27736), (474, 27772), (476, 27775), (486, 27796), (511, 27853), (533, 27889), (534, 27898), (537, 27907),

Gene: Tierra_31 Start: 26561, Stop: 27304, Start Num: 119

Candidate Starts for Tierra_31:

(99, 26534), (Start: 119 @26561 has 151 MA's), (136, 26579), (154, 26603), (155, 26609), (173, 26645), (205, 26693), (211, 26702), (234, 26738), (250, 26780), (301, 26888), (354, 27023), (364, 27038), (370, 27050), (380, 27071), (389, 27086), (390, 27089), (391, 27095), (481, 27173), (519, 27254), (533, 27275), (534, 27284),

Gene: Tiger_8 Start: 5172, Stop: 5981, Start Num: 110

Candidate Starts for Tiger_8:

(Start: 110 @5172 has 51 MA's), (155, 5235), (Start: 161 @5244 has 4 MA's), (Start: 171 @5265 has 11 MA's), (Start: 189 @5301 has 17 MA's), (219, 5349), (247, 5406), (256, 5430), (350, 5661), (379, 5718), (539, 5967),

Gene: Tigress9_31 Start: 25731, Stop: 26474, Start Num: 119

Candidate Starts for Tigress9_31:

(40, 25440), (49, 25482), (76, 25629), (80, 25650), (Start: 92 @25683 has 3 MA's), (99, 25704), (Start: 119 @25731 has 151 MA's), (154, 25773), (155, 25779), (173, 25815), (205, 25863), (211, 25872), (234, 25908), (250, 25950), (301, 26058), (354, 26193), (364, 26208), (370, 26220), (380, 26241), (389, 26256), (390, 26259), (391, 26265), (481, 26343), (519, 26424), (533, 26445), (534, 26454),

Gene: TimTam_25 Start: 22309, Stop: 22926, Start Num: 188

Candidate Starts for TimTam_25:

(Start: 125 @22210 has 21 MA's), (159, 22249), (176, 22282), (Start: 188 @22309 has 13 MA's), (Start: 207 @22318 has 2 MA's), (231, 22360), (238, 22372), (259, 22420), (267, 22441), (277, 22462),

(294, 22495), (296, 22498), (308, 22540), (322, 22576), (347, 22627), (373, 22675), (406, 22738), (422, 22768), (454, 22819), (503, 22897),

Gene: TingHuaYa_31 Start: 25601, Stop: 26455, Start Num: 119

Candidate Starts for TingHuaYa_31:

(80, 25520), (Start: 92 @25553 has 3 MA's), (99, 25574), (Start: 119 @25601 has 151 MA's), (Start: 134 @25613 has 1 MA's), (154, 25640), (155, 25646), (Start: 171 @25676 has 11 MA's), (205, 25736), (211, 25745), (238, 25790), (250, 25823), (354, 26066), (364, 26081), (370, 26093), (380, 26114), (391, 26138), (433, 26210), (449, 26276), (476, 26315), (486, 26336), (537, 26444),

Gene: TiniBug_31 Start: 26379, Stop: 27251, Start Num: 119

Candidate Starts for TiniBug_31:

(76, 26277), (99, 26352), (Start: 119 @26379 has 151 MA's), (Start: 134 @26391 has 1 MA's), (173, 26460), (Start: 189 @26487 has 17 MA's), (205, 26517), (211, 26526), (234, 26562), (238, 26571), (250, 26604), (259, 26622), (301, 26712), (354, 26847), (370, 26874), (380, 26895), (391, 26919), (446, 27066), (449, 27072), (474, 27108), (486, 27132), (534, 27231), (537, 27240),

Gene: TinyDot_25 Start: 19158, Stop: 19859, Start Num: 126

Candidate Starts for TinyDot_25:

(12, 18633), (22, 18750), (25, 18777), (27, 18780), (36, 18819), (47, 18876), (48, 18879), (57, 18924), (77, 19041), (101, 19122), (115, 19143), (Start: 126 @19158 has 32 MA's), (136, 19167), (Start: 187 @19251 has 7 MA's), (193, 19266), (217, 19302), (257, 19383), (270, 19416), (273, 19422), (300, 19467), (311, 19506), (381, 19644), (385, 19650), (413, 19707), (509, 19851),

Gene: TipsytheTRex_10 Start: 5561, Stop: 6493, Start Num: 116

Candidate Starts for TipsytheTRex_10:

(Start: 116 @5561 has 9 MA's), (Start: 171 @5651 has 11 MA's), (Start: 189 @5687 has 17 MA's), (219, 5735), (292, 5888), (350, 6035), (354, 6047), (369, 6074), (415, 6167), (423, 6182), (433, 6203), (464, 6308), (469, 6332),

Gene: Tiri_31 Start: 26466, Stop: 27338, Start Num: 119

Candidate Starts for Tiri_31:

(99, 26439), (Start: 119 @26466 has 151 MA's), (Start: 134 @26478 has 1 MA's), (173, 26547), (Start: 189 @26574 has 17 MA's), (205, 26604), (211, 26613), (234, 26649), (238, 26658), (250, 26691), (259, 26709), (271, 26739), (301, 26799), (354, 26934), (370, 26961), (380, 26982), (391, 27006), (419, 27057), (449, 27159), (474, 27195), (486, 27219), (534, 27318), (537, 27327),

Gene: Toast_26 Start: 21477, Stop: 22187, Start Num: 125

Candidate Starts for Toast_26:

(Start: 125 @21477 has 21 MA's), (136, 21489), (142, 21495), (221, 21633), (239, 21663), (258, 21708), (269, 21735), (284, 21762), (305, 21813), (334, 21882), (342, 21897), (346, 21903), (357, 21933), (381, 21975), (385, 21981), (408, 22032), (473, 22104), (503, 22167),

Gene: Tomaszewski_34 Start: 31455, Stop: 32312, Start Num: 98

Candidate Starts for Tomaszewski_34:

(Start: 98 @31455 has 132 MA's), (Start: 121 @31494 has 2 MA's), (144, 31524), (155, 31545), (173, 31581), (Start: 189 @31611 has 17 MA's), (234, 31686), (259, 31734), (260, 31737), (270, 31761), (271, 31764), (278, 31779), (350, 31950), (404, 32064), (411, 32079), (415, 32085), (445, 32127), (446, 32130), (481, 32184), (517, 32262), (535, 32295),

Gene: Tomathan_14 Start: 6597, Stop: 7361, Start Num: 111

Candidate Starts for Tomathan_14:

(Start: 111 @6597 has 17 MA's), (211, 6741), (259, 6828), (270, 6855), (276, 6867), (308, 6954), (381, 7095), (413, 7155), (415, 7158), (435, 7194), (472, 7248), (493, 7296),

Gene: Toneprano_30 Start: 21568, Stop: 22266, Start Num: 171

Candidate Starts for Toneprano_30:

(Start: 162 @21550 has 1 MA's), (Start: 171 @21568 has 11 MA's), (Start: 215 @21631 has 1 MA's), (234, 21667), (263, 21727), (267, 21739), (277, 21760), (294, 21793), (304, 21823), (305, 21826), (311, 21847), (312, 21853), (316, 21859), (324, 21880), (377, 21985), (385, 21994), (418, 22063), (420, 22069), (443, 22105), (451, 22117), (478, 22156), (488, 22177), (524, 22246), (529, 22258), (531, 22261),

Gene: Topper_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Topper_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: Toro_13 Start: 7534, Stop: 8301, Start Num: 119

Candidate Starts for Toro_13:

(87, 7486), (Start: 119 @7534 has 151 MA's), (150, 7570), (211, 7675), (259, 7747), (270, 7774), (276, 7786), (282, 7804), (308, 7873), (329, 7936), (352, 7987), (381, 8014), (393, 8041), (415, 8077), (445, 8125), (472, 8167),

Gene: Torres_27 Start: 25978, Stop: 26736, Start Num: 118

Candidate Starts for Torres_27:

(76, 25876), (Start: 92 @25930 has 3 MA's), (99, 25951), (Start: 118 @25978 has 20 MA's), (155, 26023), (173, 26059), (Start: 207 @26119 has 2 MA's), (211, 26125), (230, 26155), (250, 26203), (269, 26245), (301, 26311), (311, 26347), (354, 26446), (370, 26473), (380, 26494), (384, 26500), (440, 26539), (446, 26551), (449, 26557), (461, 26581), (481, 26605), (534, 26716), (537, 26725),

Gene: Toto_35 Start: 31858, Stop: 32715, Start Num: 98

Candidate Starts for Toto_35:

(Start: 98 @31858 has 132 MA's), (Start: 121 @31897 has 2 MA's), (144, 31927), (155, 31948), (173, 31984), (Start: 189 @32014 has 17 MA's), (234, 32089), (259, 32137), (260, 32140), (270, 32164), (271, 32167), (278, 32182), (350, 32353), (397, 32452), (404, 32467), (411, 32482), (415, 32488), (445, 32530), (446, 32533), (481, 32587), (517, 32665), (535, 32698),

Gene: Traaww1_33 Start: 31496, Stop: 32353, Start Num: 98

Candidate Starts for Traaww1_33:

(Start: 98 @31496 has 132 MA's), (Start: 121 @31535 has 2 MA's), (144, 31565), (155, 31586), (173, 31622), (Start: 189 @31652 has 17 MA's), (234, 31727), (259, 31775), (260, 31778), (270, 31802), (271, 31805), (278, 31820), (350, 31991), (404, 32105), (411, 32120), (415, 32126), (445, 32168), (446, 32171), (481, 32225), (517, 32303), (535, 32336),

Gene: Tracker_19 Start: 9229, Stop: 9954, Start Num: 137

Candidate Starts for Tracker_19:

(Start: 137 @9229 has 22 MA's), (160, 9253), (175, 9286), (216, 9289), (238, 9325), (244, 9340), (261, 9382), (278, 9421), (321, 9529), (377, 9646), (416, 9721), (444, 9778), (465, 9820), (478, 9853), (488, 9874), (493, 9889), (525, 9949),

Gene: TraderJ_45 Start: 37582, Stop: 38304, Start Num: 131

Candidate Starts for TraderJ_45:

(64, 37396), (Start: 131 @37582 has 21 MA's), (224, 37744), (241, 37771), (243, 37777), (300, 37891), (332, 37975), (381, 38068), (394, 38098),

Gene: Travvers_14 Start: 6597, Stop: 7361, Start Num: 111

Candidate Starts for Travvers_14:

(Start: 111 @6597 has 17 MA's), (211, 6741), (259, 6828), (270, 6855), (276, 6867), (308, 6954), (381, 7095), (413, 7155), (415, 7158), (435, 7194), (472, 7248), (493, 7296),

Gene: Tredge_45 Start: 46644, Stop: 45817, Start Num: 117

Candidate Starts for Tredge_45:

(Start: 117 @46644 has 49 MA's), (136, 46617), (173, 46551), (228, 46458), (313, 46245), (360, 46116), (389, 46059), (448, 45936), (459, 45912), (467, 45897), (481, 45867),

Gene: TreyKay_31 Start: 26427, Stop: 27299, Start Num: 119

Candidate Starts for TreyKay_31:

(99, 26400), (Start: 119 @26427 has 151 MA's), (Start: 134 @26439 has 1 MA's), (173, 26508), (Start: 189 @26535 has 17 MA's), (205, 26565), (211, 26574), (234, 26610), (238, 26619), (250, 26652), (259, 26670), (301, 26760), (354, 26895), (370, 26922), (380, 26943), (391, 26967), (419, 27018), (449, 27120), (474, 27156), (486, 27180), (534, 27279), (537, 27288),

Gene: TribbleTrouble_30 Start: 26988, Stop: 27776, Start Num: 119

Candidate Starts for TribbleTrouble_30:

(Start: 92 @26943 has 3 MA's), (Start: 119 @26988 has 151 MA's), (155, 27033), (173, 27069), (205, 27126), (211, 27135), (259, 27225), (269, 27249), (326, 27390), (354, 27453), (370, 27495), (378, 27513), (380, 27516), (384, 27522), (391, 27540), (445, 27570), (486, 27639), (522, 27711), (534, 27741),

Gene: Trice_27 Start: 25978, Stop: 26736, Start Num: 118

Candidate Starts for Trice_27:

(76, 25876), (Start: 92 @25930 has 3 MA's), (99, 25951), (Start: 118 @25978 has 20 MA's), (155, 26023), (173, 26059), (Start: 207 @26119 has 2 MA's), (211, 26125), (230, 26155), (250, 26203), (269, 26245), (301, 26311), (311, 26347), (354, 26446), (370, 26473), (380, 26494), (384, 26500), (440, 26539), (446, 26551), (449, 26557), (461, 26581), (481, 26605), (534, 26716), (537, 26725),

Gene: TruffulaTree_31 Start: 26457, Stop: 27329, Start Num: 119

Candidate Starts for TruffulaTree_31:

(33, 26127), (76, 26355), (99, 26430), (Start: 119 @26457 has 151 MA's), (Start: 134 @26469 has 1 MA's), (173, 26538), (Start: 189 @26565 has 17 MA's), (205, 26595), (211, 26604), (234, 26640), (238, 26649), (250, 26682), (259, 26700), (271, 26730), (300, 26787), (301, 26790), (354, 26925), (370, 26952), (380, 26973), (391, 26997), (419, 27048), (449, 27150), (474, 27186), (486, 27210), (534, 27309), (537, 27318),

Gene: Trumpet_27 Start: 22303, Stop: 22923, Start Num: 189

Candidate Starts for Trumpet_27:

(50, 21928), (80, 22099), (81, 22102), (113, 22183), (Start: 125 @22204 has 21 MA's), (Start: 189 @22303 has 17 MA's), (205, 22312), (231, 22357), (267, 22438), (308, 22537), (322, 22573), (347, 22624), (373, 22672), (406, 22735), (422, 22765), (454, 22816), (488, 22867), (503, 22894),

Gene: Tuco_36 Start: 32366, Stop: 33223, Start Num: 98

Candidate Starts for Tuco_36:

(Start: 98 @32366 has 132 MA's), (Start: 121 @32405 has 2 MA's), (144, 32435), (155, 32456), (173, 32492), (Start: 189 @32522 has 17 MA's), (234, 32597), (259, 32645), (260, 32648), (270, 32672),

(271, 32675), (278, 32690), (350, 32861), (404, 32975), (411, 32990), (415, 32996), (445, 33038), (446, 33041), (481, 33095), (517, 33173), (535, 33206),

Gene: TuertoX_24 Start: 19798, Stop: 20505, Start Num: 126

Candidate Starts for TuertoX_24:

(69, 19654), (Start: 126 @19798 has 32 MA's), (165, 19855), (Start: 187 @19894 has 7 MA's), (217, 19945), (221, 19954), (232, 19972), (234, 19975), (258, 20029), (259, 20032), (273, 20065), (284, 20083), (300, 20110), (329, 20188), (367, 20257), (369, 20263), (381, 20287), (385, 20293), (509, 20497),

Gene: Turuncu_22 Start: 8752, Stop: 9522, Start Num: 137

Candidate Starts for Turuncu_22:

(Start: 137 @8752 has 22 MA's), (153, 8770), (Start: 215 @8860 has 1 MA's), (244, 8914), (261, 8956), (355, 9184), (377, 9217), (379, 9220), (488, 9439), (510, 9487), (513, 9493),

Gene: Twigg_8 Start: 5324, Stop: 6133, Start Num: 110

Candidate Starts for Twigg_8:

(Start: 110 @5324 has 51 MA's), (155, 5387), (Start: 161 @5396 has 4 MA's), (Start: 189 @5453 has 17 MA's), (219, 5501), (256, 5582), (332, 5771), (350, 5813), (379, 5870), (399, 5912), (539, 6119),

Gene: Twin_30 Start: 21568, Stop: 22266, Start Num: 171

Candidate Starts for Twin_30:

(Start: 162 @21550 has 1 MA's), (Start: 171 @21568 has 11 MA's), (Start: 215 @21631 has 1 MA's), (234, 21667), (263, 21727), (267, 21739), (277, 21760), (294, 21793), (304, 21823), (305, 21826), (311, 21847), (312, 21853), (316, 21859), (324, 21880), (377, 21985), (385, 21994), (418, 22063), (420, 22069), (443, 22105), (451, 22117), (478, 22156), (488, 22177), (524, 22246), (529, 22258), (531, 22261),

Gene: Twitch_31 Start: 26494, Stop: 27366, Start Num: 119

Candidate Starts for Twitch_31:

(33, 26164), (76, 26392), (99, 26467), (Start: 119 @26494 has 151 MA's), (Start: 134 @26506 has 1 MA's), (173, 26575), (Start: 189 @26602 has 17 MA's), (205, 26632), (211, 26641), (234, 26677), (238, 26686), (250, 26719), (259, 26737), (271, 26767), (301, 26827), (354, 26962), (370, 26989), (380, 27010), (391, 27034), (419, 27085), (449, 27187), (474, 27223), (486, 27247), (534, 27346), (537, 27355),

Gene: UBSmoodge_32 Start: 23407, Stop: 24087, Start Num: 171

Candidate Starts for UBSmoodge_32:

(Start: 161 @23386 has 4 MA's), (Start: 171 @23407 has 11 MA's), (Start: 215 @23464 has 1 MA's), (225, 23485), (277, 23581), (294, 23614), (304, 23644), (305, 23647), (311, 23668), (312, 23674), (321, 23692), (328, 23713), (365, 23782), (377, 23806), (389, 23824), (397, 23845), (451, 23938), (454, 23947), (457, 23953), (488, 23998), (524, 24067), (531, 24082),

Gene: Ukulele_35 Start: 31616, Stop: 32473, Start Num: 98

Candidate Starts for Ukulele_35:

(Start: 98 @31616 has 132 MA's), (Start: 121 @31655 has 2 MA's), (144, 31685), (155, 31706), (173, 31742), (Start: 189 @31772 has 17 MA's), (234, 31847), (259, 31895), (260, 31898), (270, 31922), (271, 31925), (278, 31940), (350, 32111), (404, 32225), (411, 32240), (415, 32246), (445, 32288), (446, 32291), (481, 32345), (517, 32423), (535, 32456),

Gene: Unicorn_31 Start: 25890, Stop: 26633, Start Num: 119

Candidate Starts for Unicorn_31:

(99, 25863), (Start: 119 @25890 has 151 MA's), (154, 25932), (155, 25938), (173, 25974), (205, 26022), (211, 26031), (234, 26067), (250, 26109), (301, 26217), (354, 26352), (364, 26367), (370, 26379), (380, 26400), (390, 26418), (391, 26424), (481, 26502), (519, 26583), (533, 26604), (534, 26613),

Gene: UnionJack_8 Start: 4891, Stop: 5700, Start Num: 110

Candidate Starts for UnionJack_8:

(Start: 110 @4891 has 51 MA's), (Start: 161 @4963 has 4 MA's), (Start: 189 @5020 has 17 MA's), (219, 5068), (256, 5149), (332, 5338), (350, 5380), (379, 5437), (539, 5686),

Gene: Urkel_31 Start: 26382, Stop: 27254, Start Num: 119

Candidate Starts for Urkel_31:

(76, 26280), (99, 26355), (Start: 119 @26382 has 151 MA's), (Start: 134 @26394 has 1 MA's), (173, 26463), (Start: 189 @26490 has 17 MA's), (205, 26520), (211, 26529), (234, 26565), (238, 26574), (250, 26607), (259, 26625), (301, 26715), (354, 26850), (370, 26877), (380, 26898), (391, 26922), (419, 26973), (449, 27075), (474, 27111), (486, 27135), (534, 27234), (537, 27243),

Gene: VC3_14 Start: 6596, Stop: 7345, Start Num: 111

Candidate Starts for VC3_14:

(Start: 111 @6596 has 17 MA's), (Start: 121 @6602 has 2 MA's), (214, 6743), (259, 6830), (269, 6854), (271, 6860), (282, 6887), (303, 6938), (308, 6956), (381, 7100), (415, 7163), (445, 7211), (446, 7214), (460, 7244), (472, 7253),

Gene: Validus_31 Start: 25785, Stop: 26546, Start Num: 119

Candidate Starts for Validus_31:

(Start: 119 @25785 has 151 MA's), (155, 25830), (173, 25866), (211, 25932), (230, 25962), (234, 25968), (238, 25977), (250, 26010), (269, 26052), (295, 26103), (301, 26118), (354, 26253), (370, 26280), (380, 26301), (384, 26307), (391, 26325), (446, 26358), (449, 26364), (481, 26412), (511, 26481), (534, 26526), (537, 26535),

Gene: Vasanti_23 Start: 19352, Stop: 20059, Start Num: 126

Candidate Starts for Vasanti_23:

(69, 19208), (Start: 126 @19352 has 32 MA's), (165, 19409), (Start: 187 @19448 has 7 MA's), (221, 19508), (234, 19529), (257, 19580), (258, 19583), (259, 19586), (273, 19619), (284, 19637), (286, 19640), (329, 19742), (367, 19811), (371, 19820), (381, 19841), (385, 19847), (493, 20021), (509, 20051),

Gene: Veliki_31 Start: 26497, Stop: 27369, Start Num: 119

Candidate Starts for Veliki_31:

(99, 26470), (Start: 119 @26497 has 151 MA's), (Start: 134 @26509 has 1 MA's), (173, 26578), (Start: 189 @26605 has 17 MA's), (205, 26635), (211, 26644), (234, 26680), (238, 26689), (250, 26722), (259, 26740), (271, 26770), (300, 26827), (301, 26830), (354, 26965), (370, 26992), (380, 27013), (391, 27037), (419, 27088), (449, 27190), (474, 27226), (486, 27250), (534, 27349), (537, 27358),

Gene: Vitaenoi_46 Start: 47750, Stop: 46923, Start Num: 117

Candidate Starts for Vitaenoi_46:

(Start: 117 @47750 has 49 MA's), (Start: 134 @47726 has 1 MA's), (250, 47513), (327, 47306), (333, 47294), (350, 47255), (371, 47201), (400, 47138), (479, 46979),

Gene: ViviJ_29 Start: 26988, Stop: 27749, Start Num: 118

Candidate Starts for ViviJ_29:

(Start: 92 @26940 has 3 MA's), (Start: 118 @26988 has 20 MA's), (Start: 134 @27000 has 1 MA's), (136, 27003), (Start: 139 @27006 has 8 MA's), (155, 27033), (173, 27069), (Start: 207 @27129 has 2

MA's), (211, 27135), (230, 27165), (234, 27171), (238, 27180), (250, 27213), (269, 27255), (270, 27258), (276, 27270), (295, 27306), (301, 27321), (311, 27357), (354, 27456), (370, 27483), (380, 27504), (449, 27567), (461, 27591), (481, 27615), (511, 27684), (534, 27729), (537, 27738),

Gene: Vordorf_47 Start: 35552, Stop: 36358, Start Num: 116

Candidate Starts for Vordorf_47:

(97, 35519), (Start: 116 @35552 has 9 MA's), (157, 35615), (209, 35705), (279, 35837), (283, 35843), (285, 35846), (343, 35993), (382, 36074), (395, 36104), (400, 36110), (426, 36161), (500, 36287), (526, 36335),

Gene: Wanda_55 Start: 42450, Stop: 43322, Start Num: 86

Candidate Starts for Wanda_55:

(Start: 86 @42450 has 31 MA's), (Start: 94 @42477 has 4 MA's), (150, 42537), (173, 42585), (211, 42651), (226, 42672), (241, 42693), (269, 42747), (302, 42828), (421, 43107), (423, 43110), (435, 43134), (453, 43170), (460, 43185), (474, 43197), (485, 43218),

Gene: Waterfoul_30 Start: 27070, Stop: 27942, Start Num: 119

Candidate Starts for Waterfoul_30:

(76, 26968), (Start: 92 @27022 has 3 MA's), (Start: 119 @27070 has 151 MA's), (Start: 134 @27082 has 1 MA's), (136, 27085), (Start: 139 @27088 has 8 MA's), (155, 27115), (Start: 171 @27145 has 11 MA's), (173, 27151), (205, 27205), (211, 27214), (219, 27226), (230, 27244), (238, 27259), (250, 27292), (259, 27310), (271, 27340), (303, 27409), (370, 27562), (378, 27580), (380, 27583), (409, 27643), (419, 27661), (433, 27688), (449, 27760), (456, 27775), (474, 27796), (476, 27799), (486, 27820), (533, 27913), (534, 27922), (537, 27931),

Gene: Weasels2_31 Start: 9643, Stop: 8966, Start Num: 161

Candidate Starts for Weasels2_31:

(Start: 161 @9643 has 4 MA's), (181, 9604), (197, 9574), (Start: 215 @9553 has 1 MA's), (232, 9520), (302, 9346), (320, 9292), (372, 9181),

Gene: WelcomeAyanna_24 Start: 22284, Stop: 22901, Start Num: 188

Candidate Starts for WelcomeAyanna_24:

(Start: 125 @22185 has 21 MA's), (159, 22224), (176, 22257), (Start: 188 @22284 has 13 MA's), (205, 22290), (Start: 207 @22293 has 2 MA's), (231, 22335), (259, 22395), (294, 22470), (301, 22488), (308, 22515), (322, 22551), (347, 22602), (353, 22623), (406, 22713), (454, 22794), (503, 22872),

Gene: Wheezy_19 Start: 9432, Stop: 10157, Start Num: 137

Candidate Starts for Wheezy_19:

(Start: 137 @9432 has 22 MA's), (160, 9456), (175, 9489), (216, 9492), (238, 9528), (244, 9543), (261, 9585), (278, 9624), (321, 9732), (377, 9849), (416, 9924), (444, 9981), (465, 10023), (478, 10056), (488, 10077), (493, 10092), (525, 10152),

Gene: Whiteclaw_24 Start: 19798, Stop: 20505, Start Num: 126

Candidate Starts for Whiteclaw_24:

(69, 19654), (Start: 126 @19798 has 32 MA's), (165, 19855), (Start: 187 @19894 has 7 MA's), (217, 19945), (221, 19954), (232, 19972), (234, 19975), (258, 20029), (259, 20032), (273, 20065), (284, 20083), (300, 20110), (329, 20188), (367, 20257), (369, 20263), (381, 20287), (385, 20293), (509, 20497),

Gene: Whitney_29 Start: 22410, Stop: 23033, Start Num: 201

Candidate Starts for Whitney_29:

(53, 22035), (61, 22092), (68, 22137), (80, 22191), (81, 22194), (Start: 92 @22230 has 3 MA's), (113, 22275), (114, 22278), (Start: 201 @22410 has 28 MA's), (205, 22416), (223, 22446), (231, 22461),

(259, 22521), (297, 22602), (308, 22641), (337, 22713), (373, 22776), (397, 22821), (406, 22839), (418, 22860), (422, 22869), (503, 23001), (507, 23010), (513, 23022),

Gene: WhoseManz_19 Start: 7300, Stop: 8043, Start Num: 140

Candidate Starts for WhoseManz_19:

(78, 7171), (Start: 137 @7297 has 22 MA's), (Start: 140 @7300 has 2 MA's), (Start: 215 @7363 has 1 MA's), (216, 7366), (222, 7378), (261, 7459), (321, 7609), (330, 7633), (347, 7666), (416, 7798), (470, 7924), (488, 7960), (513, 8014),

Gene: Wiggin_38 Start: 32362, Stop: 33219, Start Num: 98

Candidate Starts for Wiggin_38:

(Start: 98 @32362 has 132 MA's), (Start: 121 @32401 has 2 MA's), (144, 32431), (155, 32452), (173, 32488), (Start: 189 @32518 has 17 MA's), (234, 32593), (259, 32641), (260, 32644), (270, 32668), (271, 32671), (278, 32686), (350, 32857), (404, 32971), (411, 32986), (415, 32992), (445, 33034), (446, 33037), (481, 33091), (517, 33169), (535, 33202),

Gene: Willez_34 Start: 31362, Stop: 32219, Start Num: 98

Candidate Starts for Willez_34:

(Start: 98 @31362 has 132 MA's), (Start: 121 @31401 has 2 MA's), (144, 31431), (155, 31452), (173, 31488), (Start: 189 @31518 has 17 MA's), (234, 31593), (259, 31641), (260, 31644), (270, 31668), (271, 31671), (278, 31686), (350, 31857), (404, 31971), (411, 31986), (415, 31992), (445, 32034), (446, 32037), (481, 32091), (517, 32169), (535, 32202),

Gene: William_26 Start: 21300, Stop: 22013, Start Num: 125

Candidate Starts for William_26:

(Start: 116 @21285 has 9 MA's), (Start: 125 @21300 has 21 MA's), (136, 21312), (Start: 139 @21315 has 8 MA's), (142, 21318), (204, 21426), (221, 21456), (239, 21486), (258, 21531), (277, 21576), (284, 21585), (300, 21618), (305, 21636), (342, 21723), (346, 21729), (357, 21759), (371, 21780), (381, 21801), (385, 21807), (401, 21846), (408, 21858), (473, 21930), (503, 21993),

Gene: Wintermute_32 Start: 27629, Stop: 28420, Start Num: 102

Candidate Starts for Wintermute_32:

(Start: 102 @27629 has 23 MA's), (Start: 134 @27662 has 1 MA's), (155, 27695), (Start: 168 @27719 has 2 MA's), (179, 27740), (205, 27788), (211, 27797), (234, 27833), (275, 27914), (354, 28121), (370, 28148), (372, 28154), (380, 28169), (391, 28193), (446, 28217), (456, 28238), (481, 28271), (486, 28283), (522, 28355),

Gene: Wooper_45 Start: 37588, Stop: 38310, Start Num: 131

Candidate Starts for Wooper_45:

(64, 37402), (Start: 131 @37588 has 21 MA's), (224, 37750), (241, 37777), (243, 37783), (300, 37897), (332, 37981), (381, 38074), (394, 38104),

Gene: Worcestershire_50 Start: 45703, Stop: 44870, Start Num: 136

Candidate Starts for Worcestershire_50:

(Start: 117 @45727 has 49 MA's), (136, 45703), (Start: 161 @45664 has 4 MA's), (Start: 168 @45649 has 2 MA's), (183, 45613), (206, 45574), (240, 45514), (246, 45496), (260, 45457), (278, 45415), (338, 45244), (368, 45169), (383, 45139), (426, 45052), (459, 44977), (472, 44950), (501, 44890),

Gene: Wrigley_28 Start: 22650, Stop: 23273, Start Num: 187

Candidate Starts for Wrigley_28:

(Start: 187 @22650 has 7 MA's), (Start: 207 @22659 has 2 MA's), (231, 22701), (247, 22737), (267, 22782), (277, 22803), (294, 22836), (308, 22881), (337, 22953), (347, 22968), (373, 23016), (397, 23061), (406, 23079), (418, 23100), (422, 23109), (454, 23163), (488, 23214), (503, 23241), (507,

23250), (509, 23253),

Gene: Xandras_37 Start: 31848, Stop: 32705, Start Num: 98

Candidate Starts for Xandras_37:

(Start: 98 @31848 has 132 MA's), (Start: 121 @31887 has 2 MA's), (144, 31917), (155, 31938), (173, 31974), (Start: 189 @32004 has 17 MA's), (234, 32079), (259, 32127), (260, 32130), (270, 32154), (271, 32157), (278, 32172), (350, 32343), (404, 32457), (411, 32472), (415, 32478), (445, 32520), (446, 32523), (481, 32577), (517, 32655), (535, 32688),

Gene: Xiaokay_44 Start: 39470, Stop: 40336, Start Num: 86

Candidate Starts for Xiaokay_44:

(Start: 86 @39470 has 31 MA's), (Start: 94 @39497 has 4 MA's), (173, 39605), (184, 39626), (211, 39671), (226, 39692), (241, 39713), (269, 39767), (289, 39818), (308, 39869), (369, 40019), (390, 40061), (413, 40112), (423, 40130), (456, 40196), (462, 40208), (474, 40217), (489, 40247), (527, 40310),

Gene: Ximenita_32 Start: 25917, Stop: 26660, Start Num: 119

Candidate Starts for Ximenita_32:

(99, 25890), (Start: 119 @25917 has 151 MA's), (154, 25959), (155, 25965), (173, 26001), (205, 26049), (211, 26058), (234, 26094), (250, 26136), (301, 26244), (354, 26379), (364, 26394), (370, 26406), (380, 26427), (389, 26442), (391, 26451), (519, 26610), (533, 26631), (534, 26640),

Gene: Y10_32 Start: 27629, Stop: 28420, Start Num: 102

Candidate Starts for Y10_32:

(Start: 102 @27629 has 23 MA's), (Start: 134 @27662 has 1 MA's), (155, 27695), (Start: 168 @27719 has 2 MA's), (179, 27740), (205, 27788), (211, 27797), (234, 27833), (275, 27914), (354, 28121), (370, 28148), (372, 28154), (380, 28169), (391, 28193), (446, 28217), (456, 28238), (481, 28271), (486, 28283), (522, 28355),

Gene: Y2_32 Start: 27629, Stop: 28420, Start Num: 102

Candidate Starts for Y2_32:

(Start: 102 @27629 has 23 MA's), (Start: 134 @27662 has 1 MA's), (155, 27695), (Start: 168 @27719 has 2 MA's), (179, 27740), (205, 27788), (211, 27797), (234, 27833), (275, 27914), (354, 28121), (370, 28148), (372, 28154), (380, 28169), (391, 28193), (446, 28217), (456, 28238), (481, 28271), (486, 28283), (522, 28355),

Gene: Yago84_42 Start: 36147, Stop: 36872, Start Num: 124

Candidate Starts for Yago84_42:

(58, 35949), (73, 36021), (Start: 124 @36147 has 6 MA's), (221, 36306), (224, 36312), (239, 36336), (243, 36345), (247, 36357), (252, 36372), (284, 36438), (301, 36468), (335, 36552), (367, 36615), (377, 36639), (381, 36645), (493, 36828), (497, 36837),

Gene: YasnayaPolyana_32 Start: 27630, Stop: 28421, Start Num: 102

Candidate Starts for YasnayaPolyana_32:

(Start: 102 @27630 has 23 MA's), (Start: 134 @27663 has 1 MA's), (155, 27696), (Start: 168 @27720 has 2 MA's), (179, 27741), (205, 27789), (211, 27798), (234, 27834), (275, 27915), (354, 28122), (370, 28149), (372, 28155), (380, 28170), (391, 28194), (446, 28218), (456, 28239), (481, 28272), (486, 28284), (522, 28356),

Gene: YassJohnny_36 Start: 32373, Stop: 33230, Start Num: 98

Candidate Starts for YassJohnny_36:

(Start: 98 @32373 has 132 MA's), (Start: 121 @32412 has 2 MA's), (144, 32442), (155, 32463), (173, 32499), (Start: 189 @32529 has 17 MA's), (234, 32604), (259, 32652), (260, 32655), (270, 32679),

(271, 32682), (278, 32697), (350, 32868), (404, 32982), (411, 32997), (415, 33003), (445, 33045), (446, 33048), (481, 33102), (517, 33180), (535, 33213),

Gene: Yeet_47 Start: 41871, Stop: 42743, Start Num: 86

Candidate Starts for Yeet_47:

(Start: 86 @41871 has 31 MA's), (Start: 94 @41898 has 4 MA's), (150, 41958), (173, 42006), (211, 42072), (226, 42093), (241, 42114), (269, 42168), (302, 42249), (421, 42528), (423, 42531), (435, 42555), (453, 42591), (460, 42606), (474, 42618), (485, 42639),

Gene: Yeet412_24 Start: 19791, Stop: 20498, Start Num: 126

Candidate Starts for Yeet412_24:

(69, 19647), (Start: 126 @19791 has 32 MA's), (165, 19848), (Start: 187 @19887 has 7 MA's), (221, 19947), (232, 19965), (234, 19968), (243, 19986), (258, 20022), (259, 20025), (273, 20058), (284, 20076), (300, 20103), (329, 20181), (367, 20250), (381, 20280), (385, 20286), (509, 20490),

Gene: Yeezy_27 Start: 21525, Stop: 22145, Start Num: 189

Candidate Starts for Yeezy_27:

(Start: 189 @21525 has 17 MA's), (205, 21534), (231, 21579), (267, 21660), (294, 21714), (308, 21759), (322, 21795), (347, 21846), (373, 21894), (406, 21957), (422, 21987), (454, 22038), (503, 22116),

Gene: Yeshua_45 Start: 37565, Stop: 38287, Start Num: 131

Candidate Starts for Yeshua_45:

(64, 37379), (Start: 131 @37565 has 21 MA's), (224, 37727), (241, 37754), (243, 37760), (300, 37874), (332, 37958), (381, 38051), (394, 38081),

Gene: Yinzer_24 Start: 19798, Stop: 20505, Start Num: 126

Candidate Starts for Yinzer_24:

(69, 19654), (Start: 126 @19798 has 32 MA's), (165, 19855), (Start: 187 @19894 has 7 MA's), (217, 19945), (221, 19954), (232, 19972), (234, 19975), (258, 20029), (259, 20032), (273, 20065), (284, 20083), (300, 20110), (329, 20188), (367, 20257), (369, 20263), (381, 20287), (385, 20293), (509, 20497),

Gene: Yndexa_19 Start: 7686, Stop: 8480, Start Num: 92

Candidate Starts for Yndexa_19:

(Start: 92 @7686 has 3 MA's), (Start: 215 @7800 has 1 MA's), (216, 7803), (222, 7815), (261, 7896), (321, 8046), (330, 8070), (347, 8103), (416, 8235), (470, 8361), (488, 8397), (513, 8451),

Gene: Youngblood_35 Start: 32018, Stop: 32875, Start Num: 98

Candidate Starts for Youngblood_35:

(Start: 98 @32018 has 132 MA's), (Start: 121 @32057 has 2 MA's), (144, 32087), (155, 32108), (173, 32144), (Start: 189 @32174 has 17 MA's), (234, 32249), (259, 32297), (260, 32300), (270, 32324), (271, 32327), (278, 32342), (350, 32513), (404, 32627), (411, 32642), (415, 32648), (445, 32690), (446, 32693), (481, 32747), (517, 32825), (535, 32858),

Gene: YoureAdopted_30 Start: 26430, Stop: 27302, Start Num: 119

Candidate Starts for YoureAdopted_30:

(33, 26100), (76, 26328), (99, 26403), (Start: 119 @26430 has 151 MA's), (Start: 134 @26442 has 1 MA's), (173, 26511), (Start: 189 @26538 has 17 MA's), (205, 26568), (211, 26577), (234, 26613), (250, 26655), (259, 26673), (271, 26703), (301, 26763), (354, 26898), (370, 26925), (380, 26946), (391, 26970), (419, 27021), (449, 27123), (474, 27159), (486, 27183), (534, 27282), (537, 27291),

Gene: Yuna_32 Start: 26320, Stop: 27069, Start Num: 119

Candidate Starts for Yuna_32:

(76, 26218), (80, 26239), (Start: 92 @26272 has 3 MA's), (99, 26293), (Start: 119 @26320 has 151 MA's), (Start: 134 @26332 has 1 MA's), (136, 26335), (154, 26359), (155, 26365), (173, 26401), (205, 26449), (211, 26458), (238, 26503), (250, 26536), (271, 26584), (308, 26671), (354, 26779), (370, 26806), (380, 26827), (391, 26851), (474, 26926), (486, 26950), (509, 26998), (533, 27040), (534, 27049),

Gene: Yunkel11_31 Start: 25718, Stop: 26587, Start Num: 119

Candidate Starts for Yunkel11_31:

(Start: 92 @25670 has 3 MA's), (99, 25691), (Start: 119 @25718 has 151 MA's), (Start: 134 @25730 has 1 MA's), (154, 25757), (155, 25763), (Start: 171 @25793 has 11 MA's), (173, 25799), (211, 25862), (234, 25898), (238, 25907), (250, 25940), (271, 25988), (303, 26057), (370, 26210), (380, 26231), (391, 26255), (400, 26273), (410, 26294), (433, 26333), (449, 26408), (474, 26444), (519, 26537), (534, 26567), (537, 26576),

Gene: ZAYM_27 Start: 22255, Stop: 22968, Start Num: 131

Candidate Starts for ZAYM_27:

(44, 21961), (46, 21964), (60, 22045), (65, 22075), (95, 22198), (Start: 131 @22255 has 21 MA's), (172, 22321), (Start: 187 @22348 has 7 MA's), (193, 22363), (221, 22408), (247, 22459), (259, 22486), (269, 22510), (302, 22573), (338, 22657), (367, 22714), (374, 22732), (381, 22744), (385, 22750),

Gene: Zabiza_31 Start: 26461, Stop: 27333, Start Num: 119

Candidate Starts for Zabiza_31:

(99, 26434), (Start: 119 @26461 has 151 MA's), (Start: 134 @26473 has 1 MA's), (173, 26542), (Start: 189 @26569 has 17 MA's), (205, 26599), (211, 26608), (234, 26644), (238, 26653), (250, 26686), (259, 26704), (271, 26734), (300, 26791), (301, 26794), (354, 26929), (370, 26956), (380, 26977), (391, 27001), (419, 27052), (449, 27154), (474, 27190), (486, 27214), (534, 27313), (537, 27322),

Gene: Zameen_27 Start: 22303, Stop: 22923, Start Num: 189

Candidate Starts for Zameen_27:

(50, 21928), (80, 22099), (81, 22102), (113, 22183), (Start: 125 @22204 has 21 MA's), (Start: 189 @22303 has 17 MA's), (205, 22312), (231, 22357), (267, 22438), (308, 22537), (322, 22573), (347, 22624), (373, 22672), (406, 22735), (422, 22765), (454, 22816), (488, 22867), (503, 22894),

Gene: Zarafa_10 Start: 5799, Stop: 6539, Start Num: 109

Candidate Starts for Zarafa_10:

(Start: 109 @5799 has 18 MA's), (173, 5886), (211, 5943), (219, 5955), (221, 5958), (236, 5982), (244, 5997), (257, 6015), (269, 6045), (271, 6051), (282, 6078), (308, 6147), (333, 6219), (352, 6261), (381, 6288), (393, 6315), (413, 6348), (415, 6351), (436, 6390), (532, 6531),

Gene: Zavala_31 Start: 26436, Stop: 27308, Start Num: 119

Candidate Starts for Zavala_31:

(99, 26409), (Start: 119 @26436 has 151 MA's), (Start: 134 @26448 has 1 MA's), (173, 26517), (Start: 189 @26544 has 17 MA's), (205, 26574), (211, 26583), (234, 26619), (238, 26628), (250, 26661), (259, 26679), (271, 26709), (301, 26769), (354, 26904), (370, 26931), (380, 26952), (391, 26976), (419, 27027), (449, 27129), (474, 27165), (486, 27189), (534, 27288), (537, 27297),

Gene: Zelink_50 Start: 43683, Stop: 44528, Start Num: 94

Candidate Starts for Zelink_50:

(Start: 86 @43656 has 31 MA's), (Start: 94 @43683 has 4 MA's), (184, 43812), (211, 43857), (226, 43878), (241, 43899), (269, 43953), (302, 44034), (421, 44313), (423, 44316), (435, 44340), (453, 44376), (460, 44391), (474, 44403), (485, 44424),

Gene: Zirinka_25 Start: 22321, Stop: 22938, Start Num: 188

Candidate Starts for Zirinka_25:

(Start: 125 @22222 has 21 MA's), (159, 22261), (176, 22294), (Start: 188 @22321 has 13 MA's),
(Start: 207 @22330 has 2 MA's), (231, 22372), (238, 22384), (259, 22432), (267, 22453), (277, 22474),
(294, 22507), (308, 22552), (322, 22588), (347, 22639), (406, 22750), (422, 22780), (454, 22831),
(503, 22909),

Gene: Zolita_7 Start: 5433, Stop: 6242, Start Num: 110

Candidate Starts for Zolita_7:

(Start: 110 @5433 has 51 MA's), (155, 5496), (Start: 161 @5505 has 4 MA's), (Start: 189 @5562 has
17 MA's), (219, 5610), (247, 5667), (256, 5691), (332, 5880), (350, 5922), (379, 5979), (539, 6228),

Gene: xkcd_36 Start: 32027, Stop: 32884, Start Num: 98

Candidate Starts for xkcd_36:

(Start: 98 @32027 has 132 MA's), (Start: 121 @32066 has 2 MA's), (144, 32096), (155, 32117), (173,
32153), (Start: 189 @32183 has 17 MA's), (234, 32258), (259, 32306), (260, 32309), (270, 32333),
(271, 32336), (278, 32351), (350, 32522), (397, 32621), (404, 32636), (411, 32651), (415, 32657),
(445, 32699), (446, 32702), (481, 32756), (517, 32834), (535, 32867),