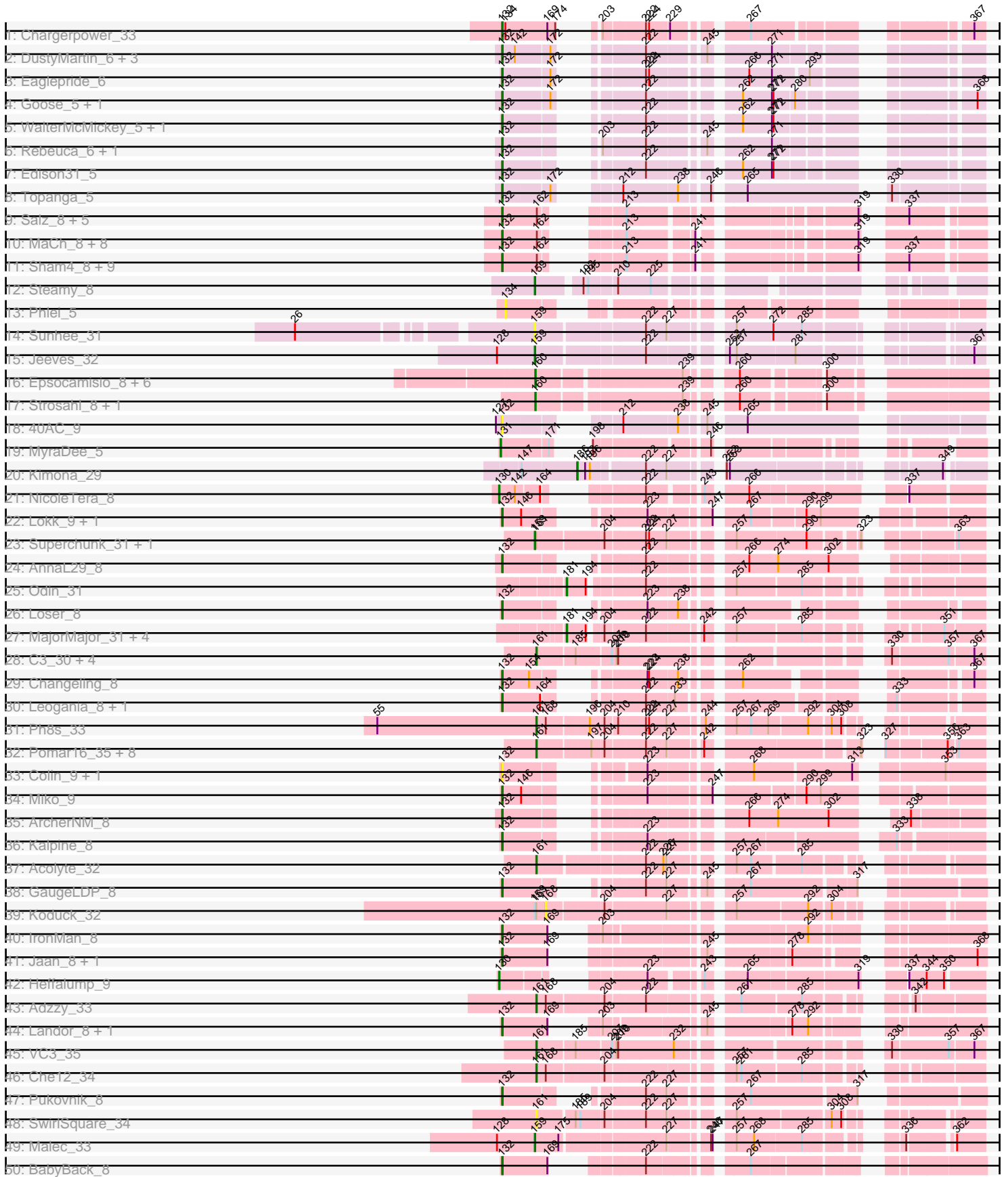
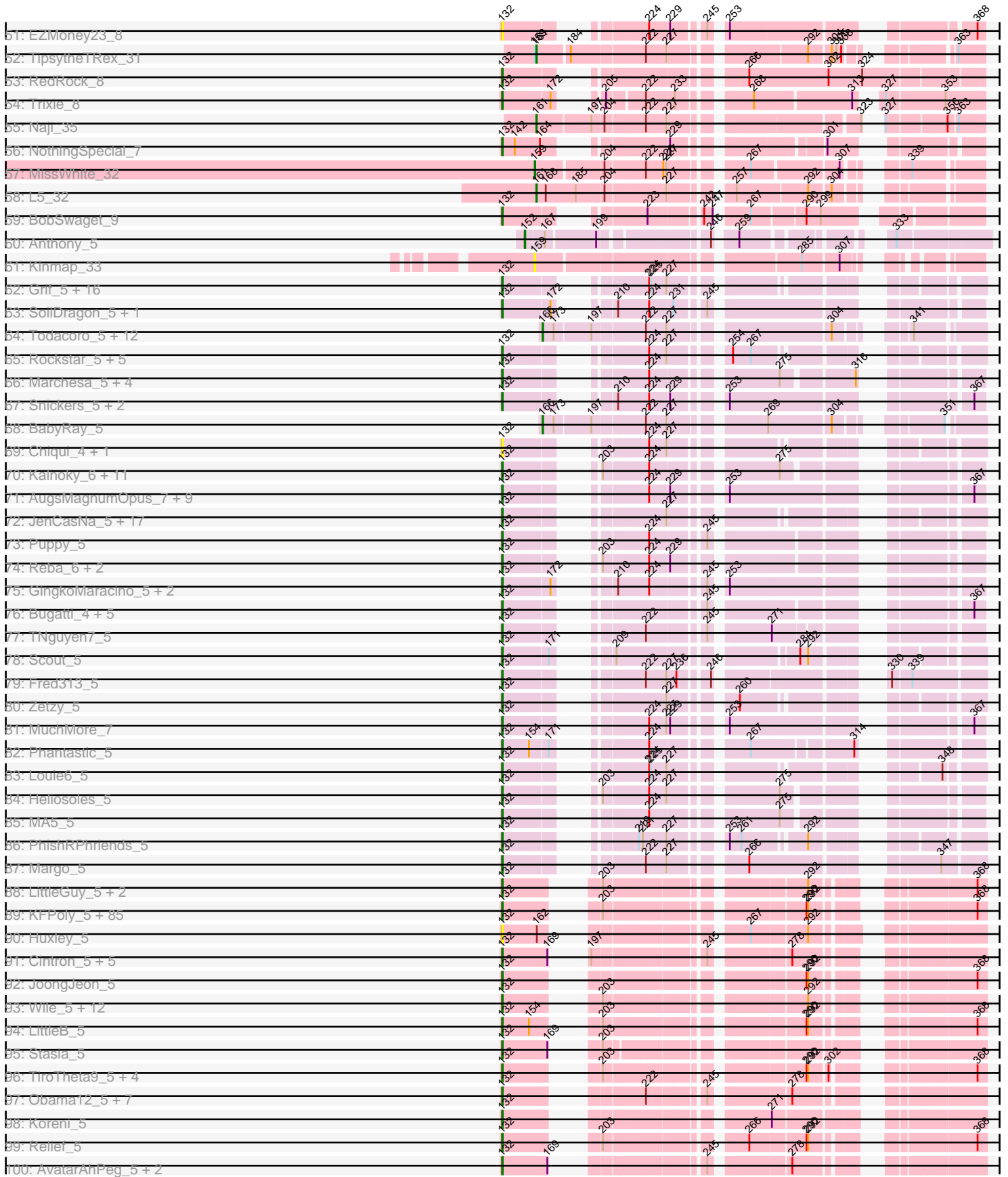


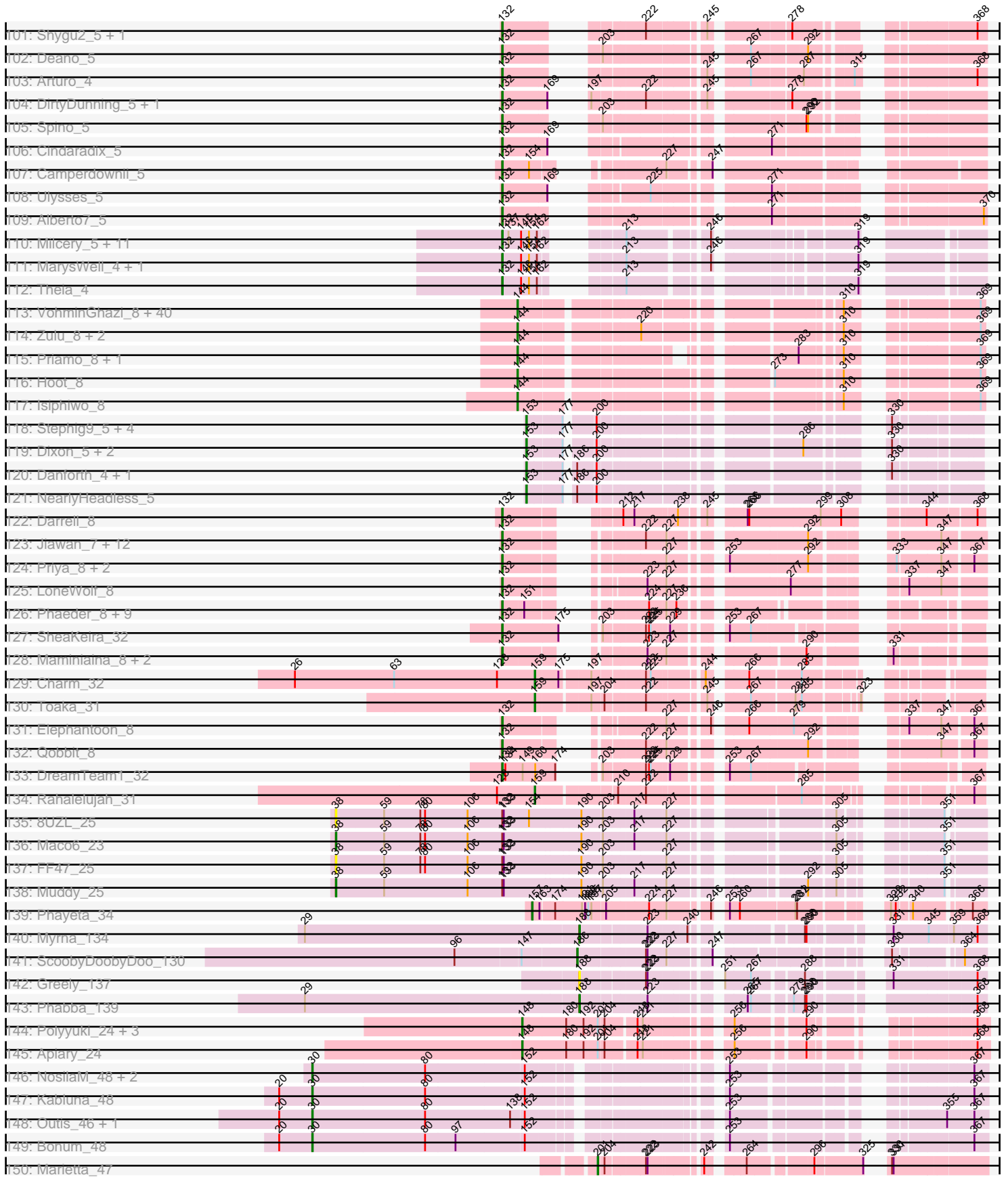
Pham 202538



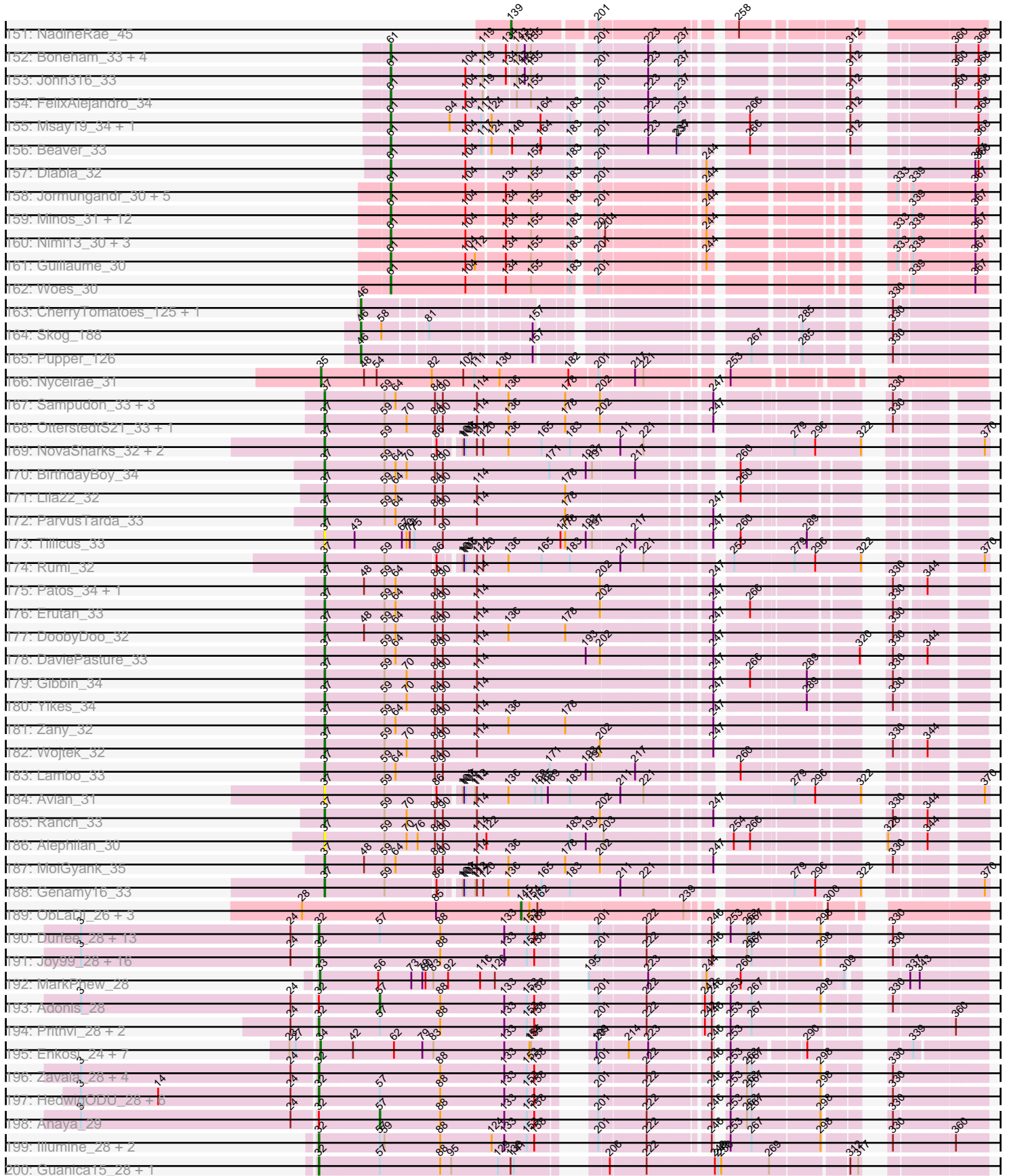
Pham 202538



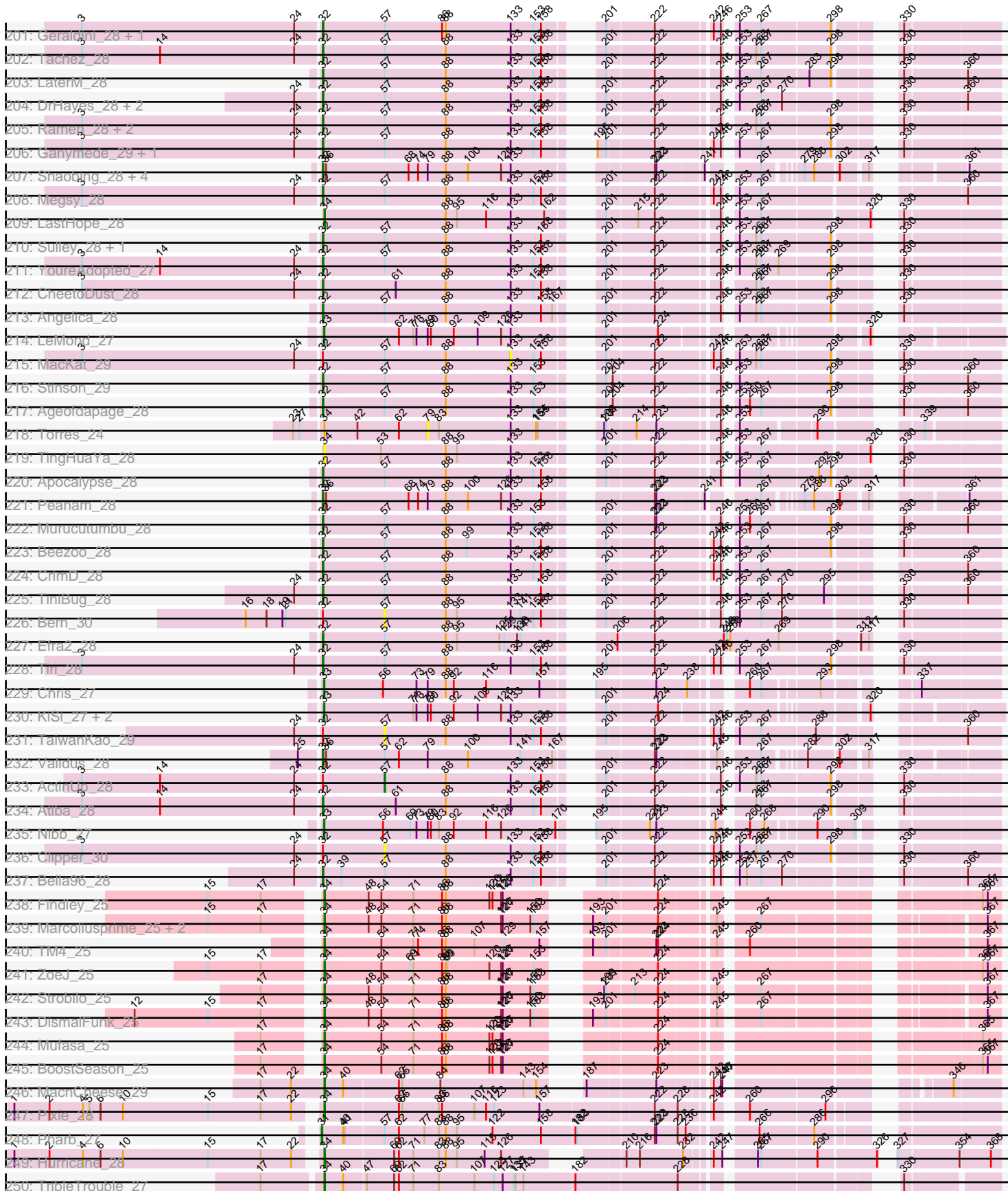
Pham 202538



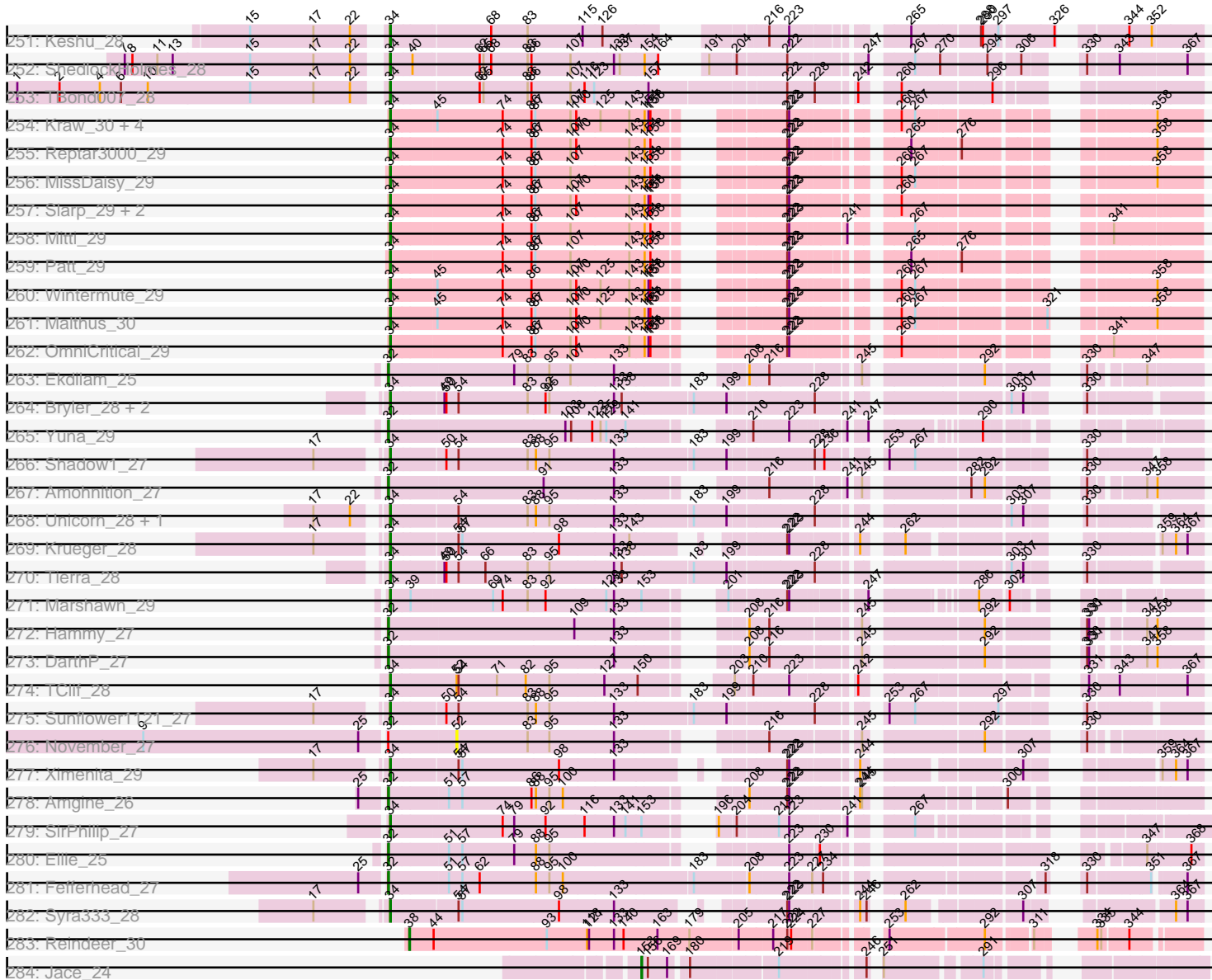
Pham 202538



Pham 202538



Pham 202538



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 202538 Report

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

Pham number 202538 has 751 members, 70 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_33
- Track 2 : DustyMartin_6, Rowdy_6, Shapes_6, RhynO_5
- Track 3 : Eaglepride_6
- Track 4 : Goose_5, Chupacabra_5
- Track 5 : WalterMcMickey_5, Twister_5
- Track 6 : Rebeuca_6, Kristoff_6
- Track 7 : Edison31_5
- Track 8 : Topanga_5
- Track 9 : Salz_8, Fibonacci_8, Mulciber_8, Hutc2_8, Bud_8, Snape_8
- Track 10 : MaCh_8, Flaverint_8, Bowtie_8, Aneem_8, Munch_8, Joselito_8, Gilberta_8, Bachome_8, Timothy_8
- Track 11 : Sham4_8, Et2Brutus_7, Ebony_8, Lucivia_8, TinyTimmy_8, Petersenfast_7, Insomnia_8, Mabel_8, Orange_8, Jabith_8
- Track 12 : Steamy_8
- Track 13 : Phlei_5
- Track 14 : Sunhee_31
- Track 15 : Jeeves_32
- Track 16 : Epsocamisio_8, JSwag_8, Boohoo_8, Nebulosus_8, LastResort_8, Anaysia_8, ReMo_8
- Track 17 : Strosahl_8, Remus_8
- Track 18 : 40AC_9
- Track 19 : MyraDee_5
- Track 20 : Kimona_29
- Track 21 : NicoleTera_8
- Track 22 : Lokk_9, Rachaly_9
- Track 23 : Superchunk_31, Caraxes_31
- Track 24 : AnnaL29_8
- Track 25 : Odin_31
- Track 26 : Loser_8
- Track 27 : MajorMajor_31, Jsquared_31, Bradman_31, Quokka_30, Serenity_31
- Track 28 : C3_30, AN9_35, AN3_32, VA6_32, ANI8_35
- Track 29 : Changeling_8
- Track 30 : Leogania_8, BiancaTri92_8
- Track 31 : Ph8s_33
- Track 32 : Pomar16_35, D29_32, Tomathan_35, DBQu4n_35, Travvers_35, StarStuff_35, Duplo_35, Kerberos_35, D32_35
- Track 33 : Colin_9, WeiHuaDA_9

- Track 34 : Miko_9
- Track 35 : ArcherNM_8
- Track 36 : Kalpine_8
- Track 37 : Acolyte_32
- Track 38 : GaugeLDP_8
- Track 39 : Koduck_32
- Track 40 : IronMan_8
- Track 41 : Jaan_8, Phaded_8
- Track 42 : Heffalump_9
- Track 43 : Adzzy_33
- Track 44 : Landor_8, Bactobuster_8
- Track 45 : VC3_35
- Track 46 : Che12_34
- Track 47 : Pukovnik_8
- Track 48 : SwirlSquare_34
- Track 49 : Malec_33
- Track 50 : BabyBack_8
- Track 51 : EZMoney23_8
- Track 52 : TopsytheTRex_31
- Track 53 : RedRock_8
- Track 54 : Trixie_8
- Track 55 : Naji_35
- Track 56 : NothingSpecial_7
- Track 57 : MissWhite_32
- Track 58 : L5_32
- Track 59 : BobSwaget_9
- Track 60 : Anthony_5
- Track 61 : Kinmap_33
- Track 62 : Grif_5, Phoxy_5, KADY_6, Bxz2_5, TinyPebbles_5, Soshari_7, Spike509_5, Methuselah_5, Vix_5, Grum1_5, Daishi_5, LarryKay_5, Misomonster_7, BuzzBuzz_4, AgronaGT15_5, Rummer_5, HashRod_6
- Track 63 : SoilDragon_5, Jobu08_5
- Track 64 : Todacoro_5, Popcicle_5, Veracruz_4, QuinnKiro_4, Pocahontas_5, Hookmount_5, ResDef_5, Panamaxus_5, Noella_5, Caviar_5, Norbert_4, Texage_4, Lambert1_5
- Track 65 : Rockstar_5, MK4_5, JF2_5, Isca_5, B1_04, JF4_5
- Track 66 : Marchesa_5, DropBear_5, Heathen_5, Kachowdy_5, HelDan_5
- Track 67 : Snickers_5, Tiffany_5, Stagni_5
- Track 68 : BabyRay_5
- Track 69 : Chiqui_4, BabyJohn_4
- Track 70 : Kalnoky_6, PurpleHaze_5, Manu_6, Pawn_5, Kalb97_6, Gemma_5, Groupthink_6, HaveUMetTed_6, OlanP_5, Marius_6, Calvinny_5, ACFishhook_5
- Track 71 : AugsMagnumOpus_7, Microwolf_5, DaHudson_5, PGHhamlin_7, MarQuardt_5, Watson_5, Malinsilva_7, Lilith_5, Pembroke_5, Farber_5
- Track 72 : JenCasNa_5, Cullens_5, PotatoSplit_6, MoneyMay_5, Fernando_5, LBerry_5, Phoebe_5, Colbster_5, EpicPhail_5, Marie_5, Beauxregard13_5, Taurus_5, Penny1_5, Sabinator_5, P28Green_5, JHC117_5, LugYA_7, Hercules11_5
- Track 73 : Puppy_5
- Track 74 : Reba_6, JeppNRM_6, Phranny_6
- Track 75 : GingkoMaracino_5, Ollie_5, Anubis_7
- Track 76 : Bugatti_4, Pistachio_5, BlueBird_5, Giroux_4, Idleandcovert_4, SaturnRing_4

- Track 77 : TNguyen7_5
- Track 78 : Scout_5
- Track 79 : Fred313_5
- Track 80 : Zetzy_5
- Track 81 : MuchMore_7
- Track 82 : Phantastic_5
- Track 83 : Louie6_5
- Track 84 : Heliosoles_5
- Track 85 : MA5_5
- Track 86 : PhishRPhriends_5
- Track 87 : Margo_5
- Track 88 : LittleGuy_5, Nyxis_5, Phontbonne_5
- Track 89 : KFPoly_5, HamSlice_4, Kamy_5, Lorenzo_5, TroyPia_5, Ohfah_5, Sabertooth_5, Clarenza_5, CentreCat_5, Ruin_5, Pipcraft_5, Connomayer_5, Iceman_5, Eros_5, Albee_5, Bombshell_5, Maverick_5, Palestino_5, BellusTerra_5, Houdini22_5, Phelipe_5, Peaches_5, ICleared_5, Avle17_5, Wizard007_5, Annyong_5, MeeZee_5, LeoAvram_5, OKaNui_5, Cocoaberry_5, Commander_5, JetBlade_5, Eagle_4, TygerBlood_5, Chaph_5, Gadost_5, NorthStar_5, Baby16_5, Wilbur_5, Kingmustik0402_5, Blackmoor_5, Kratark_5, Holli_5, Polymorphads_5, Medusa_5, Melvin_5, Taquarus_5, YoSam321_5, Citius_5, Sparxx_5, Caelakin_5, Kyee_5, TinaFeyge_5, Koan_4, Bartimeaus_5, LappelDuVide_5, Roosevelt_5, Funston_5, Druantia_5, Phacado_5, Dhanush_5, Bruiser_5, SenorClean_4, Maxo_5, Florean_5, Scamp_5, PeterPeter_5, Lunsford_5, Nemo27_5, BubbleTrouble_5, Mazhar510_5, Burger_4, Lemur_5, Noelle_5, Romney_5, NotAPhaseMom_5, Shaka_5, Eris_5, Flux_5, Eurydice_5, Thanksgivukkah_5, Millski_5, Morrow_5, Jaykayelowell_5, Eapen_5, Wander_5
- Track 90 : Huxley_5
- Track 91 : Cintron_5, Pumbaa_5, Phighter1804_5, Iracema64_5, Kremtemulon_5, LochMonster_5
- Track 92 : JoongJeon_5
- Track 93 : Wile_5, Badger_5, PetiteSangsue_5, Cici_5, Katalie136_5, Perplexer_5, Xena_5, Datway_5, Morpher26_5, Achebe_5, Backyardigan_5, AbbysRanger_5, Bumblebee11_5
- Track 94 : LittleB_5
- Track 95 : Stasia_5
- Track 96 : TiroTheta9_5, Broseidon_5, Nebs_5, Skipitt_5, Abdiel_5
- Track 97 : Obama12_5, SheldonCooper_5, Rosa24_4, LHTSCC_5, ChampagnePapi_5, Tinybot_4, BangNhom_4, Cerulean_5
- Track 98 : Koreni_5
- Track 99 : Relief_5
- Track 100 : AvatarAhPeg_5, Stink_5, Miramae_5
- Track 101 : Shygu2_5, Happiness_5
- Track 102 : Deano_5
- Track 103 : Arturo_4
- Track 104 : DirtyDunning_5, Mundrea_5
- Track 105 : Spino_5
- Track 106 : Cindaradix_5
- Track 107 : Camperdownii_5
- Track 108 : Ulysses_5
- Track 109 : Alberto7_5
- Track 110 : Milcery_5, Tarynearal_4, Coog_5, Bonamassa_5, Midas2_5, Twigg_5, HuhtaEnerson15_5, George_4, Micasa_5, Swirley_5, Cuco_5, LittleCherry_5
- Track 111 : MarysWell_4, Dublin_4

- Track 112 : Theia_4
- Track 113 : VohminGhazi_8, Dorothea_8, SuperAwesome_8, Indra_8, DaVinci_8, Helmet_8, Artemis2UCLA_8, EricB_8, Chartreuse_8, Jeffabunny_8, Jordennis_8, SuperCallie99_8, BABullseye_8, JewelBug_8, Wiks_8, Cookiedough_8, Pmask_8, Lilbunny_8, Tucker_8, McFly_8, Koko_8, SmellyB_8, Gruunaga_8, GreedyLawyer_8, Kipper29_8, Gladiator_8, Temprado_8, WunderPhul_8, Yokurt_8, Roksolana_8, Zaka_8, Hexamo_8, BlessJoy_8, Blue7_8, ToneTone_7, Kazan_8, Newrala_8, Candra_8, CloudWang3_8, Neeharika16_8, Garak_8
- Track 114 : Zulu_8, Rifter_8, Hammer_8
- Track 115 : Priamo_8, Blinn1_8
- Track 116 : Hoot_8
- Track 117 : Isiphiwo_8
- Track 118 : Stephig9_5, Expelliarmus_4, Phillis_5, Groundhog_4, Roary_5
- Track 119 : Dixon_5, Smeadley_5, Astro_5
- Track 120 : Danforth_4, Saintus_5
- Track 121 : NearlyHeadless_5
- Track 122 : Darrell_8
- Track 123 : Jiawan_7, Ugenie5_6, RyeScarlet_9, Onglai_7, ExplosioNervosa_8, Hanray_7, Scherzo_8, EmyBug_8, Pioneer_8, Beemo_8, Halex_7, Phonnegut_8, Fayely_8
- Track 124 : Priya_8, Conquerage_8, Eidsmoe_8
- Track 125 : LoneWolf_8
- Track 126 : Phaeder_8, HortumSL17_8, Tubs_8, Myxus_8, EdogawaKiddo_6, Lilleskat_6, PackMan_8, Catalina_8, Aliter_8, Sachima_6
- Track 127 : SheaKeira_32
- Track 128 : Maminiaina_8, BogosyJay_8, Alma_8
- Track 129 : Charm_32
- Track 130 : Toaka_31
- Track 131 : Elephantoon_8
- Track 132 : Qobbit_8
- Track 133 : DreamTeam1_32
- Track 134 : Rahalelujah_31
- Track 135 : 8UZL_25
- Track 136 : Maco6_23
- Track 137 : FF47_25
- Track 138 : Muddy_25
- Track 139 : Phayeta_34
- Track 140 : Myrna_134
- Track 141 : ScoobyDoobyDoo_130
- Track 142 : Greely_137
- Track 143 : Phabba_139
- Track 144 : Polyuyuki_24, Braxoaddie_24, Maselop_24, CoffeeBean_24
- Track 145 : Apiary_24
- Track 146 : NosilaM_48, Buggaboo_46, SuperSulley_46
- Track 147 : Kabluna_48
- Track 148 : Outis_46, StarStruck_46
- Track 149 : Bonum_48
- Track 150 : Marietta_47
- Track 151 : NadineRae_45
- Track 152 : Boneham_33, CinnamonToast_34, Butterball_33, BirksAndSocks_33, Jellybones_33
- Track 153 : John316_33
- Track 154 : FelixAlejandro_34

- Track 155 : Msay19_34, Poland_34
- Track 156 : Beaver_33
- Track 157 : Diabla_32
- Track 158 : Jormungandr_30, Damp_30, Luker_31, Lahirium_30, Harambe_30, Sticker17_30
- Track 159 : Minos_31, Hello_30, Bianmat_30, GalacticEye_30, Newt_31, Lidong_30, Teal_30, Kaseim_31, Shelley_30, Jams_30, Berries_30, Charianelly_30, MrWormie_30
- Track 160 : Nimi13_30, Neoevie_30, Hail2Pitt_30, Anamika_30
- Track 161 : Guillaume_30
- Track 162 : Woes_30
- Track 163 : CherryTomatoes_125, SCentae_125
- Track 164 : Skog_188
- Track 165 : Pupper_126
- Track 166 : Nyceirae_31
- Track 167 : Sampudon_33, Jalebi_32, GOATification_34, Fulcrum_34
- Track 168 : OtterstedtS21_33, GretelLyn_33
- Track 169 : NovaSharks_32, Alyssmiracle_33, RazorC_31
- Track 170 : BirthdayBoy_34
- Track 171 : Lila22_32
- Track 172 : ParvusTarda_33
- Track 173 : Tillicus_33
- Track 174 : Rumi_32
- Track 175 : Patos_34, NorManre_34
- Track 176 : Erutan_33
- Track 177 : DoobyDoo_32
- Track 178 : DaviePasture_33
- Track 179 : Gibbin_34
- Track 180 : Yikes_34
- Track 181 : Zany_32
- Track 182 : Wojtek_32
- Track 183 : Lambo_33
- Track 184 : Avian_31
- Track 185 : Ranch_33
- Track 186 : Alephilan_30
- Track 187 : MoiGyank_35
- Track 188 : Genamy16_33
- Track 189 : ObLaDi_26, Cafasso_26, ModicumRichard_26, Aleemily_25
- Track 190 : Durfee_28, Pokerus_27, Boiiii_28, Padfoot_28, Asayake_28, AlishaPH_28, CaseJules_28, BaghaKamala_28, Piatt_28, BEEST_28, Hyperbowlee_28, Blizzard_28, Homura_28, ShiaSurprise_28
- Track 191 : Joy99_28, Dalmuri_28, Inky_28, Jeckyll_28, Capricorn_28, BGIlluviae_28, CallaLilly_29, Belladonna_28, Peel_28, Llorens_28, Rosmarinus_28, Jarvi_28, Spock_28, Twitch_28, CREW_28, Topper_28, Lunahalos_28
- Track 192 : MarkPhew_28
- Track 193 : Adonis_28
- Track 194 : Prithvi_28, TreyKay_28, LindNT_28
- Track 195 : Enkosi_24, Amelie_24, Nikao_24, LilPharaoh_24, Binglebops_24, Mdavu_24, Nutello_24, SgtBeansprout_24
- Track 196 : Zavala_28, Mynx_28, Emerson_28, TruffulaTree_28, Padpat_28
- Track 197 : HedwigODU_28, Zabiza_28, Rapunzel97_28, Jayhawk_28, Slimphazie_28, Veliki_28, Adephagia_28
- Track 198 : Anaya_29

- Track 199 : Illumine_28, Devera_28, Dole_28
- Track 200 : Guanica15_28, Yunkel11_28
- Track 201 : Geraldini_28, MeaningOfLife_28
- Track 202 : Tachez_28
- Track 203 : LaterM_28
- Track 204 : DrHayes_28, Urkel_28, SamuelLPlaqson_28
- Track 205 : Ramen_28, BarrelRoll_28, JAWS_28
- Track 206 : Ganymede_29, QuincyRose_27
- Track 207 : Shaobing_28, Dartin_28, McMater_28, Richo_28, Niklas_28
- Track 208 : Megsy_28
- Track 209 : LastHope_28
- Track 210 : Sulley_28, Deby_28
- Track 211 : YoureAdopted_27
- Track 212 : CheetoDust_28
- Track 213 : Angelica_28
- Track 214 : LeMond_27
- Track 215 : MacKat_29
- Track 216 : Stinson_29
- Track 217 : Ageofdapage_28
- Track 218 : Torres_24
- Track 219 : TingHuaYa_28
- Track 220 : Apocalypse_28
- Track 221 : Peanam_28
- Track 222 : Murucutumbu_28
- Track 223 : Beezoo_28
- Track 224 : CrimD_28
- Track 225 : TiniBug_28
- Track 226 : Bern_30
- Track 227 : Efra2_28
- Track 228 : Tiri_28
- Track 229 : Chris_27
- Track 230 : KiSi_27, Oscar_27, Scarlett_27
- Track 231 : TaiwanKao_29
- Track 232 : Validus_28
- Track 233 : ActinUp_28
- Track 234 : Atiba_28
- Track 235 : Nibb_27
- Track 236 : Clipper_30
- Track 237 : Bella96_28
- Track 238 : Findley_25
- Track 239 : Marcoliusprime_25, Milly_25, DismalStressor_25
- Track 240 : TM4_25
- Track 241 : ZoeJ_25
- Track 242 : Strobilo_25
- Track 243 : DismalFunk_25
- Track 244 : Mufasa_25
- Track 245 : BoostSeason_25
- Track 246 : MacnCheese_29
- Track 247 : Pixie_28
- Track 248 : Pharb_27
- Track 249 : Hurricane_28
- Track 250 : TribbleTrouble_27
- Track 251 : Keshu_28

- Track 252 : ShedlockHolmes_28
- Track 253 : TBond007_28
- Track 254 : Kraw_30, Fionnbharth_29, Y10_29, JF1_29, Y2_29
- Track 255 : Reptar3000_29
- Track 256 : MissDaisy_29
- Track 257 : Slarp_29, Cheetobro_29, Chancellor_29
- Track 258 : Mitti_29
- Track 259 : Patt_29
- Track 260 : Wintermute_29
- Track 261 : Malthus_30
- Track 262 : OmniCritical_29
- Track 263 : Ekdilam_25
- Track 264 : Bryler_28, Phrank_28, Cain_28
- Track 265 : Yuna_29
- Track 266 : Shadow1_27
- Track 267 : Amohnition_27
- Track 268 : Unicorn_28, PhelpsODU_28
- Track 269 : Krueger_28
- Track 270 : Tierra_28
- Track 271 : Marshawn_29
- Track 272 : Hammy_27
- Track 273 : DarthP_27
- Track 274 : TClif_28
- Track 275 : Sunflower1121_27
- Track 276 : November_27
- Track 277 : Ximenita_29
- Track 278 : Amgine_26
- Track 279 : SirPhilip_27
- Track 280 : Ellie_25
- Track 281 : Fefferhead_27
- Track 282 : Syra333_28
- Track 283 : Reindeer_30
- Track 284 : Jace_24

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

The start number called the most often in the published annotations is 132, it was called in 323 of the 681 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 40AC_9, ACFishhook_5, AbbysRanger_5, Abdiel_5, Achebe_5, AgronaGT15_5, Albee_5, Alberto7_5, Aliter_8, Alma_8, Aneem_8, AnnaL29_8, Annyong_5, Anubis_7, ArcherNM_8, Arturo_4, AugsMagnumOpus_7, AvatarAhPeg_5, Avle17_5, B1_04, Baby16_5, BabyBack_8, BabyJohn_4, Bachome_8, Backyardigan_5, Bactobuster_8, Badger_5, BangNhom_4, Bartimeaus_5, Beauxregard13_5, Beemo_8, BellusTerra_5, BiancaTri92_8, Blackmoor_5, BlueBird_5, BobSwaget_9, BogosyJay_8, Bombshell_5, Bonamassa_5, Bowtie_8, Broseidon_5, Bruiser_5, BubbleTrouble_5, Bud_8, Bugatti_4, Bumblebee11_5, Burger_4, BuzzBuzz_4, Bxz2_5, Caelakin_5, Calvinny_5, Camperdownii_5, Catalina_8, CentreCat_5, Cerulean_5, ChampagnePapi_5, Changeling_8, Chaph_5, Chargerpower_33,

Chiqui_4, Chupacabra_5, Cici_5, Cindaradix_5, Cintron_5, Citius_5, Clarenza_5, Cocoaberry_5, Colbster_5, Colin_9, Commander_5, Connomayer_5, Conquerage_8, Coog_5, Cuco_5, Cullens_5, DaHudson_5, Daishi_5, Darrell_8, Datway_5, Deano_5, Dhanush_5, DirtyDunning_5, DreamTeam1_32, DropBear_5, Druantia_5, Dublin_4, DustyMartin_6, EZMoney23_8, Eagle_4, Eaglepride_6, Eapen_5, Ebony_8, Edison31_5, EdogawaKiddo_6, Eidsmoe_8, Elephantoon_8, EmyBug_8, EpicPhail_5, Eris_5, Eros_5, Et2Brutus_7, Eurydice_5, ExplosioNervosa_8, Farber_5, Fayely_8, Fernando_5, Fibonacci_8, Flaverint_8, Florean_5, Flux_5, Fred313_5, Funston_5, Gadost_5, GaugeLDP_8, Gemma_5, George_4, Gilberta_8, GingkoMaracino_5, Giroux_4, Goose_5, Grif_5, Groupthink_6, Grum1_5, HamSlice_4, Hanray_7, Happiness_5, HashRod_6, HaveUMetTed_6, Heathen_5, HelDan_5, Heliosoles_5, Hercules11_5, Horex_7, Holli_5, HortumSL17_8, Houdini22_5, HuhtaEnerson15_5, Hutc2_8, Huxley_5, ICleared_5, Iceman_5, Idleandcovert_4, Insomnia_8, Iracema64_5, IronMan_8, Isca_5, JF2_5, JF4_5, JHC117_5, Jaan_8, Jabith_8, Jaykayelowell_5, JenCasNa_5, JeppNRM_6, JetBlade_5, Jiawan_7, Jobu08_5, JoongJeon_5, Joselito_8, KADY_6, KFPPoly_5, Kachowdy_5, Kalb97_6, Kalnoky_6, Kalpine_8, Kampy_5, Katalie136_5, Kingmustik0402_5, Koan_4, Koreni_5, Kratak_5, Kremtemulon_5, Kristoff_6, Kyee_5, LBerry_5, LHTSCC_5, Landor_8, LappelDuVide_5, LarryKay_5, Lemur_5, LeoAvram_5, Leogania_8, Lilith_5, Lilleskat_6, LittleB_5, LittleCherry_5, LittleGuy_5, LochMonster_5, Lokk_9, LoneWolf_8, Lorenzo_5, Loser_8, Louie6_5, Lucivia_8, LugYA_7, Lunsford_5, MA5_5, MK4_5, MaCh_8, Mabel_8, Malinsilva_7, Maminiaina_8, Manu_6, MarQuardt_5, Marchesa_5, Margo_5, Marie_5, Marius_6, MarysWell_4, Maverick_5, Maxo_5, Mazhar510_5, Medusa_5, MeeZee_5, Melvin_5, Methuselah_5, Micasa_5, Microwolf_5, Midas2_5, Miko_9, Milcery_5, Millski_5, Miramae_5, Misomonster_7, MoneyMay_5, Morpher26_5, Morrow_5, MuchMore_7, Mulciber_8, Munch_8, Mundrea_5, Myxus_8, Nebs_5, Nemo27_5, Noelle_5, NorthStar_5, NotAPhaseMom_5, NothingSpecial_7, Nyxis_5, OKaNui_5, Obama12_5, Ohfah_5, OlanP_5, Ollie_5, Onglai_7, Orange_8, P28Green_5, PGHhamlin_7, PackMan_8, Palestino_5, Pawn_5, Peaches_5, Pembroke_5, Penny1_5, Perplexer_5, PeterPeter_5, Petersenfast_7, PetiteSangsue_5, Phacado_5, Phaded_8, Phaeder_8, Phantastic_5, Felipe_5, Phighter1804_5, PhishRPhriends_5, Phoebe_5, Phonnegut_8, Phontbonne_5, Phoxy_5, Phranny_6, Pioneer_8, Pipcraft_5, Pistachio_5, Polymorphads_5, PotatoSplit_6, Priya_8, Pukovnik_8, Pumbaa_5, Puppy_5, PurpleHaze_5, Qobbit_8, Rachaly_9, Reba_6, Rebeuca_6, RedRock_8, Relief_5, RhynO_5, Rockstar_5, Romney_5, Roosevelt_5, Rosa24_4, Rowdy_6, Ruin_5, Rummer_5, RyeScarlet_9, Sabertooth_5, Sabinator_5, Sachima_6, Salz_8, SaturnRing_4, Scamp_5, Scherzo_8, Scout_5, SenorClean_4, Shaka_5, Sham4_8, Shapes_6, SheaKeira_32, SheldonCooper_5, Shygu2_5, Skipitt_5, Snape_8, Snickers_5, SoilDragon_5, Soshari_7, Sparxx_5, Spike509_5, Spino_5, Stagni_5, Stasia_5, Stink_5, Swirley_5, TNguyen7_5, Taquarus_5, Tarynearal_4, Taurus_5, Thanksgivukkah_5, Theia_4, Tiffany_5, Timothy_8, TinaFeyge_5, TinyPebbles_5, TinyTimmy_8, Tinybot_4, TiroTheta9_5, Topanga_5, Trixie_8, TroyPia_5, Tubs_8, Twigg_5, Twister_5, TygerBlood_5, Ugenie5_6, Ulysses_5, Vix_5, WalterMcMickey_5, Wander_5, Watson_5, WeiHuaDA_9, Wilbur_5, Wile_5, Wizard007_5, Xena_5, YoSam321_5, Zetzy_5,

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

- 8UZL_25, FF47_25, Maco6_23, Muddy_25,

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

- AN3_32, AN9_35, AN18_35, Acolyte_32, ActinUp_28, Adephagia_28, Adonis_28, Adzzy_33, Ageofdapage_28, Aleemily_25, Alephilan_30, AlishaPH_28,

Alyssamiracle_33, Amelie_24, Amgine_26, Amohnition_27, Anamika_30, Anaya_29, Anaysia_8, Angelica_28, Anthony_5, Apiary_24, Apocalypse_28, Artemis2UCLA_8, Asayake_28, Astro_5, Atiba_28, Avian_31, BABullseye_8, BEEEST_28, BGIlluviae_28, BabyRay_5, BaghaKamala_28, BarrelRoll_28, Beaver_33, Beezoo_28, Bella96_28, Belladonna_28, Bern_30, Berries_30, Bianmat_30, Binglebops_24, BirksAndSocks_33, BirthdayBoy_34, BlessJoy_8, Blinn1_8, Blizzard_28, Blue7_8, Boiiii_28, Boneham_33, Bonum_48, Boohoo_8, BoostSeason_25, Bradman_31, Braxoaddie_24, Bryler_28, Buggaboo_46, Butterball_33, C3_30, CREW_28, Cafasso_26, Cain_28, CallaLilly_29, Candra_8, Capricorn_28, Caraxes_31, CaseJules_28, Caviar_5, Chancellor_29, Charianelly_30, Charm_32, Chartreuse_8, Che12_34, CheetoDust_28, Cheetobro_29, CherryTomatoes_125, Chris_27, CinnamonToast_34, Clipper_30, CloudWang3_8, CoffeeBean_24, Cookiedough_8, CrimD_28, D29_32, D32_35, DBQu4n_35, DaVinci_8, Dalmuri_28, Damp_30, Danforth_4, DARTH_P_27, Dartin_28, DaviePasture_33, Deby_28, Devera_28, Diabla_32, DismalFunk_25, DismalStressor_25, Dixon_5, Dole_28, DoobyDoo_32, Dorothea_8, DrHayes_28, Duplo_35, Durfee_28, Efra2_28, Ekdilam_25, Ellie_25, Emerson_28, Enkosi_24, Epsocamisio_8, EricB_8, Erutan_33, Expelliarmus_4, Fefferhead_27, FelixAlejandro_34, Findley_25, Fionnbharth_29, Fulcrum_34, GOATification_34, GalacticEye_30, Ganymede_29, Garak_8, Genamy16_33, Geraldini_28, Gibbin_34, Gladiator_8, GreedyLawyer_8, Greely_137, GretelLyn_33, Groundhog_4, Gruunaga_8, Guanica15_28, Guillaume_30, Hail2Pitt_30, Hammer_8, Hammy_27, Harambe_30, HedwigODU_28, Heffalump_9, Hello_30, Helmet_8, Hexamo_8, Homura_28, Hookmount_5, Hoot_8, Hurricane_28, Hyperbowlee_28, Illumine_28, Indra_8, Inky_28, Isiphiwo_8, JAWS_28, JF1_29, JSwag_8, Jace_24, Jalebi_32, Jams_30, Jarvi_28, Jayhawk_28, Jeckyll_28, Jeeves_32, Jeffabunny_8, Jellybones_33, JewelBug_8, John316_33, Jordennis_8, Jormungandr_30, Joy99_28, Jsquared_31, Kabluna_48, Kaseim_31, Kazan_8, Kerberos_35, Keshu_28, KiSi_27, Kimona_29, Kinmap_33, Kipper29_8, Koduck_32, Koko_8, Kraw_30, Krueger_28, L5_32, Lahirium_30, Lambert1_5, Lambo_33, LastHope_28, LastResort_8, LaterM_28, LeMond_27, Lidong_30, LilPharaoh_24, Lila22_32, Lilbunny_8, LindNT_28, Llorens_28, Luker_31, Lunahalos_28, MacKat_29, MacnCheese_29, MajorMajor_31, Malec_33, Malthus_30, Marcoliusprime_25, Marietta_47, MarkPhew_28, Marshawn_29, Maselop_24, McFly_8, McMater_28, Mdavu_24, MeaningOfLife_28, Megsy_28, Milly_25, Minos_31, MissDaisy_29, MissWhite_32, Mitti_29, ModicumRichard_26, MoiGyank_35, MrWormie_30, Msay19_34, Mufasa_25, Murucutumbu_28, Mynx_28, MyraDee_5, Myrna_134, NadineRae_45, Naji_35, NearlyHeadless_5, Nebulosus_8, Neeharika16_8, Neoevie_30, Newrala_8, Newt_31, Nibb_27, NicoleTera_8, Nikao_24, Niklas_28, Nimi13_30, Noella_5, NorManre_34, Norbert_4, NosilaM_48, NovaSharks_32, November_27, Nutello_24, Nyceirae_31, ObLaDi_26, Odin_31, OmniCritical_29, Oscar_27, OtterstedtS21_33, Outis_46, Padfoot_28, Padpat_28, Panamaxus_5, ParvusTarda_33, Patos_34, Patt_29, Peanam_28, Peel_28, Ph8s_33, Phabba_139, Pharb_27, Phayeta_34, PhelpsODU_28, Phillis_5, Phlei_5, Phrank_28, Piatt_28, Pixie_28, Pmask_8, Pocahontas_5, Pokerus_27, Poland_34, Polyyuki_24, Pomar16_35, Popcicle_5, Priamo_8, Prithvi_28, Pupper_126, QuincyRose_27, QuinnKiro_4, Quokka_30, Rahalelujah_31, Ramen_28, Ranch_33, Rapunzel97_28, RazorC_31, ReMo_8, Reindeer_30, Remus_8, Reptar3000_29, ResDef_5, Richo_28, Rifter_8, Roary_5, Roksolana_8, Rosmarinus_28, Rumi_32, SCentae_125, Saintus_5, Sampudon_33, SamuelLPlaqson_28, Scarlett_27, ScoobyDoobyDoo_130, Serenity_31, SgtBeansprout_24, Shadow1_27, Shaobing_28, ShedlockHolmes_28, Shelley_30, ShiaSurprise_28, SirPhilip_27, Skog_188, Slarp_29, Slimphazie_28, Smeadley_5, SmellyB_8, Spock_28, StarStruck_46, StarStuff_35, Steamy_8, Stephig9_5, Sticker17_30, Stinson_29, Strobilo_25, Strosahl_8, Sulley_28, Sunflower1121_27,

Sunhee_31, SuperAwesome_8, SuperCallie99_8, SuperSulley_46, Superchunk_31, SwirlSquare_34, Syra333_28, TBond007_28, TClif_28, TM4_25, Tachez_28, TaiwanKao_29, Teal_30, Temprado_8, Texage_4, Tierra_28, Tillicus_33, TingHuaYa_28, TiniBug_28, TopsytheTRex_31, Tiri_28, Toaka_31, Todacoro_5, Tomathan_35, ToneTone_7, Topper_28, Torres_24, Travvers_35, TreyKay_28, TribbleTrouble_27, TruffulaTree_28, Tucker_8, Twitch_28, Unicorn_28, Urkel_28, VA6_32, VC3_35, Validus_28, Veliki_28, Veracruz_4, VohminGhazi_8, Wiks_8, Wintermute_29, Woes_30, Wojtek_32, WunderPhul_8, Ximenita_29, Y10_29, Y2_29, Yikes_34, Yokurt_8, YoureAdopted_27, Yuna_29, Yunkel11_28, Zabiza_28, Zaka_8, Zany_32, Zavala_28, ZoeJ_25, Zulu_8,

Summary by start number:

Start 30:

- Found in 7 of 751 (0.9%) of genes in pham
- Manual Annotations of this start: 7 of 681
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bonum_48 (CR2), Buggaboo_46 (CR2), Kabluna_48 (CR2), NosilaM_48 (CR2), Outis_46 (CR2), StarStruck_46 (CR2), SuperSulley_46 (CR2),

Start 31:

- Found in 1 of 751 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 681
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pharb_27 (K3),

Start 32:

- Found in 103 of 751 (13.7%) of genes in pham
- Manual Annotations of this start: 91 of 681
- Called 92.2% of time when present
- Phage (with cluster) where this start called: Adephagia_28 (K1), Ageofdapage_28 (K1), AlishaPH_28 (K1), Amgine_26 (K6), Amohndition_27 (K6), Angelica_28 (K1), Apocalypse_28 (K1), Asayake_28 (K1), Atiba_28 (K1), BEEST_28 (K1), BGIlluviae_28 (K1), BaghaKamala_28 (K1), BarrelRoll_28 (K1), Beezoo_28 (K1), Bella96_28 (K1), Belladonna_28 (K1), Blizzard_28 (K1), Boiii_28 (K1), CREW_28 (K1), CallaLilly_29 (K1), Capricorn_28 (K1), CaseJules_28 (K1), CheetoDust_28 (K1), CrimD_28 (K1), Dalmuri_28 (K1), DarthP_27 (K6), Dartin_28 (K1), Deby_28 (K1), Devera_28 (K1), Dole_28 (K1), DrHayes_28 (K1), Durfee_28 (K1), Efra2_28 (K1), Ekdilam_25 (K6), Ellie_25 (K6), Emerson_28 (K1), Fefferhead_27 (K6), Ganymede_29 (K1), Geraldini_28 (K1), Guanica15_28 (K1), Hammy_27 (K6), HedwigODU_28 (K1), Homura_28 (K1), Hyperbowlee_28 (K1), Illumine_28 (K1), Inky_28 (K1), JAWS_28 (K1), Jarvi_28 (K1), Jayhawk_28 (K1), Jeckyll_28 (K1), Joy99_28 (K1), LaterM_28 (K1), LindNT_28 (K1), Llorens_28 (K1), Lunahalos_28 (K1), McMater_28 (K1), MeaningOfLife_28 (K1), Megsy_28 (K1), Murucutumbu_28 (K1), Mynx_28 (K1), Niklas_28 (K1), Padfoot_28 (K1), Padpat_28 (K1), Peanam_28 (K1), Peel_28 (K1), Piatt_28 (K1), Pokerus_27 (K1), Prithvi_28 (K1), QuincyRose_27 (K1), Ramen_28 (K1), Rapunzel97_28 (K1), Richo_28 (K1), Rosmarinus_28 (K1), SamuelLPlaqson_28 (K1), Shaobing_28 (K1), ShiaSurprise_28 (K1), Slimphazie_28 (K1), Spock_28 (K1), Stinson_29 (K1), Sulley_28 (K1), Tachez_28 (K1), TiniBug_28 (K1), Tiri_28 (K1), Topper_28 (K1), TreyKay_28 (K1), TruffulaTree_28 (K1), Twitch_28 (K1), Urkel_28 (K1), Validus_28 (K1), Veliki_28 (K1), YoureAdopted_27 (K1), Yuna_29 (K6), Yunkel11_28 (K1), Zabiza_28 (K1), Zavala_28 (K1),

Start 33:

- Found in 7 of 751 (0.9%) of genes in pham
- Manual Annotations of this start: 7 of 681
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chris_27 (K1), KiSi_27 (K1), LeMond_27 (K1), MarkPhew_28 (K1), Nibb_27 (K1), Oscar_27 (K1), Scarlett_27 (K1),

Start 34:

- Found in 57 of 751 (7.6%) of genes in pham
- Manual Annotations of this start: 54 of 681
- Called 98.2% of time when present
- Phage (with cluster) where this start called: Amelie_24 (K1), Binglebops_24 (K1), BoostSeason_25 (K2), Bryler_28 (K6), Cain_28 (K6), Chancellor_29 (K4), Cheetobro_29 (K4), DismalFunk_25 (K2), DismalStressor_25 (K2), Enkosi_24 (K1), Findley_25 (K2), Fionnbharth_29 (K4), Hurricane_28 (K3), JF1_29 (K4), Keshu_28 (K3), Kraw_30 (K4), Krueger_28 (K6), LastHope_28 (K1), LilPharaoh_24 (K1), MacnCheese_29 (K3), Malthus_30 (K4), Marcoliusprime_25 (K2), Marshawn_29 (K6), Mdavu_24 (K1), Milly_25 (K2), MissDaisy_29 (K4), Mitti_29 (K4), Mufasa_25 (K2), Nikao_24 (K1), Nutello_24 (K1), OmniCritical_29 (K4), Patt_29 (K4), PhelpsODU_28 (K6), Phrank_28 (K6), Pixie_28 (K3), Reptar3000_29 (K4), SgtBeansprout_24 (K1), Shadow1_27 (K6), ShedlockHolmes_28 (K3), SirPhilip_27 (K6), Slarp_29 (K4), Strobilo_25 (K2), Sunflower1121_27 (K6), Syra333_28 (K6), TBond007_28 (K3), TClif_28 (K6), TM4_25 (K2), Tierra_28 (K6), TingHuaYa_28 (K1), TribbleTrouble_27 (K3), Unicorn_28 (K6), Wintermute_29 (K4), Ximenita_29 (K6), Y10_29 (K4), Y2_29 (K4), ZoeJ_25 (K2),

Start 35:

- Found in 1 of 751 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 681
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nyceirae_31 (DT),

Start 37:

- Found in 29 of 751 (3.9%) of genes in pham
- Manual Annotations of this start: 25 of 681
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alephilan_30 (DV), Alyssmiracle_33 (DV), Avian_31 (DV), BirthdayBoy_34 (DV), DaviePasture_33 (DV), DoobyDoo_32 (DV), Erutan_33 (DV), Fulcrum_34 (DV), GOATification_34 (DV), Genamy16_33 (DV), Gibbin_34 (DV), GretelLyn_33 (DV), Jalebi_32 (DV), Lambo_33 (DV), Lila22_32 (DV), MoiGyank_35 (DV), NorManre_34 (DV), NovaSharks_32 (DV), OtterstedtS21_33 (DV), ParvusTarda_33 (DV), Patos_34 (DV), Ranch_33 (DV), RazorC_31 (DV), Rumi_32 (DV), Sampudon_33 (DV), Tillicus_33 (DV), Wojtek_32 (DV), Yikes_34 (DV), Zany_32 (DV),

Start 38:

- Found in 5 of 751 (0.7%) of genes in pham
- Manual Annotations of this start: 3 of 681
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 8UZL_25 (AB), FF47_25 (AB), Maco6_23 (AB), Muddy_25 (AB), Reindeer_30 (M1),

Start 46:

- Found in 4 of 751 (0.5%) of genes in pham
- Manual Annotations of this start: 4 of 681
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CherryTomatoes_125 (DO), Pupper_126 (DO), SCentae_125 (DO), Skog_188 (DO),

Start 52:

- Found in 2 of 751 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: November_27 (K6),

Start 57:

- Found in 71 of 751 (9.5%) of genes in pham
- Manual Annotations of this start: 3 of 681
- Called 8.5% of time when present
- Phage (with cluster) where this start called: ActinUp_28 (K1), Adonis_28 (K1), Anaya_29 (K1), Bern_30 (K1), Clipper_30 (K1), TaiwanKao_29 (K1),

Start 61:

- Found in 38 of 751 (5.1%) of genes in pham
- Manual Annotations of this start: 34 of 681
- Called 94.7% of time when present
- Phage (with cluster) where this start called: Anamika_30 (CS3), Beaver_33 (CS2), Berries_30 (CS3), Bianmat_30 (CS3), BirksAndSocks_33 (CS2), Boneham_33 (CS2), Butterball_33 (CS2), Charianelly_30 (CS3), CinnamonToast_34 (CS2), Damp_30 (CS3), Diabla_32 (CS2), FelixAlejandro_34 (CS2), GalacticEye_30 (CS3), Guillaume_30 (CS3), Hail2Pitt_30 (CS3), Harambe_30 (CS3), Hello_30 (CS3), Jams_30 (CS3), Jellybones_33 (CS2), John316_33 (CS2), Jormungandr_30 (CS3), Kaseim_31 (CS3), Lahirium_30 (CS3), Lidong_30 (CS3), Luker_31 (CS3), Minos_31 (CS3), MrWormie_30 (CS3), Msay19_34 (CS2), Neoevie_30 (CS3), Newt_31 (CS3), Nimi13_30 (CS3), Poland_34 (CS2), Shelley_30 (CS3), Sticker17_30 (CS3), Teal_30 (CS3), Woes_30 (CS3),

Start 79:

- Found in 26 of 751 (3.5%) of genes in pham
- No Manual Annotations of this start.
- Called 3.8% of time when present
- Phage (with cluster) where this start called: Torres_24 (K1),

Start 130:

- Found in 3 of 751 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 681
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Heffalump_9 (A2), NicoleTera_8 (A2),

Start 131:

- Found in 1 of 751 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 681
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MyraDee_5 (A18),

Start 132:

- Found in 359 of 751 (47.8%) of genes in pham
- Manual Annotations of this start: 323 of 681
- Called 98.9% of time when present
- Phage (with cluster) where this start called: 40AC_9 (A17), ACFishhook_5 (A3), AbbysRanger_5 (A4), Abdiel_5 (A4), Achebe_5 (A4), AgronaGT15_5 (A3), Albee_5 (A4), Alberto7_5 (A4), Aliter_8 (A9), Alma_8 (A9), Aneem_8 (A11), AnnaL29_8 (A2), Annyong_5 (A4), Anubis_7 (A3), ArcherNM_8 (A2), Arturo_4 (A4), AugsMagnumOpus_7 (A3), AvatarAhPeg_5 (A4), Avle17_5 (A4), B1_04 (A3), Baby16_5 (A4), BabyBack_8 (A2), BabyJohn_4 (A3), Bachome_8 (A11), Backyardigan_5 (A4), Bactobuster_8 (A2), Badger_5 (A4), BangNhom_4 (A4), Bartimeaus_5 (A4), Beauxregard13_5 (A3), Beemo_8 (A9), BellusTerra_5 (A4), BiancaTri92_8 (A2), Blackmoor_5 (A4), BlueBird_5 (A3), BobSwaget_9 (A2), BogosyJay_8 (A9), Bombshell_5 (A4), Bonamassa_5 (A5), Bowtie_8 (A11), Broseidon_5 (A4), Bruiser_5 (A4), BubbleTrouble_5 (A4), Bud_8 (A11), Bugatti_4 (A3), Bumblebee11_5 (A4), Burger_4 (A4), BuzzBuzz_4 (A3), Bxz2_5 (A3), Caelakin_5 (A4), Calvinny_5 (A3), Camperdownii_5 (A4), Catalina_8 (A9), CentreCat_5 (A4), Cerulean_5 (A4), ChampagnePapi_5 (A4), Changeling_8 (A2), Chaph_5 (A4), Chargerpower_33 (A), Chiqui_4 (A3), Chupacabra_5 (A10), Cici_5 (A4), Cindaradix_5 (A4), Cintron_5 (A4), Citius_5 (A4), Clarenza_5 (A4), Cocoaberry_5 (A4), Colbster_5 (A3), Colin_9 (A2), Commander_5 (A4), Connomayer_5 (A4), Conquerage_8 (A9), Coog_5 (A5), Cuco_5 (A5), Cullens_5 (A3), DaHudson_5 (A3), Daishi_5 (A3), Darrell_8 (A9), Datway_5 (A4), Deano_5 (A4), Dhanush_5 (A4), DirtyDunning_5 (A4), DreamTeam1_32 (A9), DropBear_5 (A3), Druantia_5 (A4), Dublin_4 (A5), DustyMartin_6 (A10), EZMoney23_8 (A2), Eagle_4 (A4), Eaglepride_6 (A10), Eapen_5 (A4), Ebony_8 (A11), Edison31_5 (A10), EdogawaKiddo_6 (A9), Eidsmoe_8 (A9), Elephantoon_8 (A9), EmyBug_8 (A9), EpicPhail_5 (A3), Eris_5 (A4), Eros_5 (A4), Et2Brutus_7 (A11), Eurydice_5 (A4), ExplosioNervosa_8 (A9), Farber_5 (A3), Fayely_8 (A9), Fernando_5 (A3), Fibonacci_8 (A11), Flaverint_8 (A11), Florean_5 (A4), Flux_5 (A4), Fred313_5 (A3), Funston_5 (A4), Gadost_5 (A4), GaugeLDP_8 (A2), Gemma_5 (A3), George_4 (A5), Gilberta_8 (A11), GingkoMaracino_5 (A3), Giroux_4 (A3), Goose_5 (A10), Grif_5 (A3), Groupthink_6 (A3), Grum1_5 (A3), HamSlice_4 (A4), Hanray_7 (A9), Happiness_5 (A4), HashRod_6 (A3), HaveUMetTed_6 (A3), Heathen_5 (A3), HelDan_5 (A3), Heliosoles_5 (A3), Hercules11_5 (A3), Halex_7 (A9), Holli_5 (A4), HortumSL17_8 (A9), Houdini22_5 (A4), HuhtaEnerson15_5 (A5), Hutc2_8 (A11), Huxley_5 (A4), ICleared_5 (A4), Iceman_5 (A4), Idleandcovert_4 (A3), Insomnia_8 (A11), Iracema64_5 (A4), IronMan_8 (A2), Isca_5 (A3), JF2_5 (A3), JF4_5 (A3), JHC117_5 (A3), Jaan_8 (A2), Jabith_8 (A11), Jaykayelowell_5 (A4), JenCasNa_5 (A3), JeppNRM_6 (A3), JetBlade_5 (A4), Jiawan_7 (A9), Jobu08_5 (A3), JoongJeon_5 (A4), Joselito_8 (A11), KADY_6 (A3), KFPoly_5 (A4), Kachowdy_5 (A3), Kalb97_6 (A3), Kalnoky_6 (A3), Kalpine_8 (A2), Kampy_5 (A4), Katalie136_5 (A4), Kingmustik0402_5 (A4), Koan_4 (A4), Koreni_5 (A4), Kratak_5 (A4), Kremtemulon_5 (A4), Kristoff_6 (A10), Kye_5 (A4), LBerry_5 (A3), LHTSCC_5 (A4), Landor_8 (A2), LappelDuVide_5 (A4), LarryKay_5 (A3), Lemur_5 (A4), LeoAvram_5 (A4), Leogania_8 (A2), Lilith_5 (A3), Lilleskat_6 (A9), LittleB_5 (A4), LittleCherry_5 (A5), LittleGuy_5 (A4), LochMonster_5 (A4), Loka_9 (A2), LoneWolf_8 (A9), Lorenzo_5 (A4), Loser_8 (A2), Louie6_5 (A3), Lucivia_8 (A11), LugYA_7 (A3), Lunsford_5 (A4), MA5_5 (A3), MK4_5 (A3), MaCh_8 (A11), Mabel_8 (A11), Malinsilva_7 (A3), Maminiana_8 (A9), Manu_6 (A3), MarQuardt_5 (A3), Marchesa_5 (A3), Margo_5 (A3), Marie_5 (A3), Marius_6 (A3), MarysWell_4 (A5), Maverick_5 (A4), Maxo_5 (A4), Mazhar510_5 (A4), Medusa_5 (A4), MeeZee_5 (A4), Melvin_5 (A4), Methuselah_5 (A3), Micasa_5 (A5), Microwolf_5 (A3), Midas2_5 (A5), Miko_9

(A2), Milcery_5 (A5), Millski_5 (A4), Miramae_5 (A4), Misomonster_7 (A3), MoneyMay_5 (A3), Morpher26_5 (A4), Morrow_5 (A4), MuchMore_7 (A3), Mulciber_8 (A11), Munch_8 (A11), Mundrea_5 (A4), Myxus_8 (A9), Nebs_5 (A4), Nemo27_5 (A4), Noelle_5 (A4), NorthStar_5 (A4), NotAPhaseMom_5 (A4), NothingSpecial_7 (A2), Nyxis_5 (A4), OKaNui_5 (A4), Obama12_5 (A4), Ohfah_5 (A4), OlanP_5 (A3), Ollie_5 (A3), Onglai_7 (A9), Orange_8 (A11), P28Green_5 (A3), PGHhamlin_7 (A3), PackMan_8 (A9), Palestino_5 (A4), Pawn_5 (A3), Peaches_5 (A4), Pembroke_5 (A3), Penny1_5 (A3), Perplexer_5 (A4), PeterPeter_5 (A4), Petersenfast_7 (A11), PetiteSangsue_5 (A4), Phacado_5 (A4), Phaded_8 (A2), Phaeder_8 (A9), Phantastic_5 (A3), Felipe_5 (A4), Phighter1804_5 (A4), PhishRPhriends_5 (A3), Phoebe_5 (A3), Phonnegut_8 (A9), Phontbonne_5 (A4), Phoxy_5 (A3), Phranny_6 (A3), Pioneer_8 (A9), Pipcraft_5 (A4), Pistachio_5 (A3), Polymorphads_5 (A4), PotatoSplit_6 (A3), Priya_8 (A9), Pukovnik_8 (A2), Pumbaa_5 (A4), Puppy_5 (A3), PurpleHaze_5 (A3), Qobbit_8 (A9), Rachaly_9 (A2), Reba_6 (A3), Rebeuca_6 (A10), RedRock_8 (A2), Relief_5 (A4), RhynO_5 (A10), Rockstar_5 (A3), Romney_5 (A4), Roosevelt_5 (A4), Rosa24_4 (A4), Rowdy_6 (A10), Ruin_5 (A4), Rummer_5 (A3), RyeScarlet_9 (A9), Sabertooth_5 (A4), Sabinator_5 (A3), Sachima_6 (A9), Salz_8 (A11), SaturnRing_4 (A3), Scamp_5 (A4), Scherzo_8 (A9), Scout_5 (A3), SenorClean_4 (A4), Shaka_5 (A4), Sham4_8 (A11), Shapes_6 (A10), SheaKeira_32 (A9), SheldonCooper_5 (A4), Shygu2_5 (A4), Skipitt_5 (A4), Snape_8 (A11), Snickers_5 (A3), SoilDragon_5 (A3), Soshari_7 (A3), Sparxx_5 (A4), Spike509_5 (A3), Spino_5 (A4), Stagni_5 (A3), Stasia_5 (A4), Stink_5 (A4), Swirley_5 (A5), TNguyen7_5 (A3), Taquarus_5 (A4), Tarynearal_4 (A5), Taurus_5 (A3), Thanksgivukkah_5 (A4), Theia_4 (A5), Tiffany_5 (A3), Timothy_8 (A11), TinaFeyge_5 (A4), TinyPebbles_5 (A3), TinyTimmy_8 (A11), Tinybot_4 (A4), TiroTheta9_5 (A4), Topanga_5 (A10), Trixie_8 (A2), TroyPia_5 (A4), Tubs_8 (A9), Twigg_5 (A5), Twister_5 (A10), TygerBlood_5 (A4), Ugenie5_6 (A9), Ulysses_5 (A4), Vix_5 (A3), WalterMcMickey_5 (A10), Wander_5 (A4), Watson_5 (A3), WeiHuaDA_9 (A2), Wilbur_5 (A4), Wile_5 (A4), Wizard007_5 (A4), Xena_5 (A4), YoSam321_5 (A4), Zetzy_5 (A3),

Start 133:

- Found in 129 of 751 (17.2%) of genes in pham
- No Manual Annotations of this start.
- Called 0.8% of time when present
- Phage (with cluster) where this start called: MacKat_29 (K1),

Start 134:

- Found in 34 of 751 (4.5%) of genes in pham
- No Manual Annotations of this start.
- Called 2.9% of time when present
- Phage (with cluster) where this start called: Phlei_5 (A13),

Start 139:

- Found in 1 of 751 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 681
- Called 100.0% of time when present
- Phage (with cluster) where this start called: NadineRae_45 (CR4),

Start 144:

- Found in 48 of 751 (6.4%) of genes in pham
- Manual Annotations of this start: 42 of 681
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Artemis2UCLA_8 (A6), BABullseye_8 (A6), BlessJoy_8 (A6), Blinn1_8 (A6), Blue7_8 (A6), Candra_8 (A6), Chartreuse_8 (A6), CloudWang3_8 (A6), Cookiedough_8 (A6), DaVinci_8 (A6), Dorothea_8 (A6), EricB_8 (A6), Garak_8 (A6), Gladiator_8 (A6), GreedyLawyer_8 (A6), Gruunaga_8 (A6), Hammer_8 (A6), Helmet_8 (A6), Hexamo_8 (A6), Hoot_8 (A6), Indra_8 (A6), Isiphiwo_8 (A6), Jeffabunny_8 (A6), JewelBug_8 (A6), Jordennis_8 (A6), Kazan_8 (A6), Kipper29_8 (A6), Koko_8 (A6), Lilbunny_8 (A6), McFly_8 (A6), Neeharika16_8 (A6), Newrala_8 (A6), Pmask_8 (A6), Priamo_8 (A6), Rifter_8 (A6), Roksolana_8 (A6), SmellyB_8 (A6), SuperAwesome_8 (A6), SuperCallie99_8 (A6), Temprado_8 (A6), ToneTone_7 (A6), Tucker_8 (A6), VohminGhazi_8 (A6), Wiks_8 (A6), WunderPhul_8 (A6), Yokurt_8 (A6), Zaka_8 (A6), Zulu_8 (A6),

Start 145:

- Found in 4 of 751 (0.5%) of genes in pham
- Manual Annotations of this start: 3 of 681
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aleemily_25 (DZ), Cafasso_26 (DZ), ModicumRichard_26 (DZ), ObLaDi_26 (DZ),

Start 148:

- Found in 5 of 751 (0.7%) of genes in pham
- Manual Annotations of this start: 5 of 681
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apiary_24 (CR), Braxoaddie_24 (CR), CoffeeBean_24 (CR), Maselop_24 (CR), Polyuyuki_24 (CR),

Start 152:

- Found in 8 of 751 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 681
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Anthony_5 (A20),

Start 153:

- Found in 100 of 751 (13.3%) of genes in pham
- Manual Annotations of this start: 12 of 681
- Called 12.0% of time when present
- Phage (with cluster) where this start called: Astro_5 (A8), Danforth_4 (A8), Dixon_5 (A8), Expelliarmus_4 (A8), Groundhog_4 (A8), Jace_24 (singleton), NearlyHeadless_5 (A8), Phillis_5 (A8), Roary_5 (A8), Saintus_5 (A8), Smeadley_5 (A8), Stephig9_5 (A8),

Start 157:

- Found in 18 of 751 (2.4%) of genes in pham
- Manual Annotations of this start: 1 of 681
- Called 5.6% of time when present
- Phage (with cluster) where this start called: Phayeta_34 (B3),

Start 159:

- Found in 14 of 751 (1.9%) of genes in pham
- Manual Annotations of this start: 8 of 681
- Called 78.6% of time when present
- Phage (with cluster) where this start called: Caraxes_31 (A2), Charm_32 (A9), Jeeves_32 (A14), Kinmap_33 (A21), Malec_33 (A2), MissWhite_32 (A2),

Rahalelujah_31 (A9), Steamy_8 (A12), Sunhee_31 (A14), Superchunk_31 (A2), Toaka_31 (A9),

Start 160:

- Found in 10 of 751 (1.3%) of genes in pham
- Manual Annotations of this start: 9 of 681
- Called 90.0% of time when present
- Phage (with cluster) where this start called: Anaysia_8 (A15), Boohoo_8 (A15), Epsocamisio_8 (A15), JSwag_8 (A15), LastResort_8 (A15), Nebulosus_8 (A15), ReMo_8 (A15), Remus_8 (A15), Strosahl_8 (A15),

Start 161:

- Found in 26 of 751 (3.5%) of genes in pham
- Manual Annotations of this start: 21 of 681
- Called 88.5% of time when present
- Phage (with cluster) where this start called: AN3_32 (A2), AN9_35 (A2), ANI8_35 (A2), Acolyte_32 (A2), Adzzy_33 (A2), C3_30 (A2), Che12_34 (A2), D29_32 (A2), D32_35 (A2), DBQu4n_35 (A2), Duplo_35 (A2), Kerberos_35 (A2), L5_32 (A2), Naji_35 (A2), Ph8s_33 (A2), Pomar16_35 (A2), StarStuff_35 (A2), SwirlSquare_34 (A2), TopsytheTRex_31 (A2), Tomathan_35 (A2), Travvers_35 (A2), VA6_32 (A2), VC3_35 (A2),

Start 166:

- Found in 14 of 751 (1.9%) of genes in pham
- Manual Annotations of this start: 14 of 681
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BabyRay_5 (A3), Caviar_5 (A3), Hookmount_5 (A3), Lambert1_5 (A3), Noella_5 (A3), Norbert_4 (A3), Panamaxus_5 (A3), Pocahontas_5 (A3), Popcicle_5 (A3), QuinnKiro_4 (A3), ResDef_5 (A3), Texage_4 (A3), Todacoro_5 (A3), Veracruz_4 (A3),

Start 168:

- Found in 5 of 751 (0.7%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Koduck_32 (A2),

Start 181:

- Found in 6 of 751 (0.8%) of genes in pham
- Manual Annotations of this start: 3 of 681
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bradman_31 (A2), Jsquared_31 (A2), MajorMajor_31 (A2), Odin_31 (A2), Quokka_30 (A2), Serenity_31 (A2),

Start 186:

- Found in 5 of 751 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 681
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Kimona_29 (A19), ScoobyDoobyDoo_130 (C2),

Start 188:

- Found in 3 of 751 (0.4%) of genes in pham

- Manual Annotations of this start: 2 of 681
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Greely_137 (C2), Myrna_134 (C2), Phabba_139 (C2),

Start 201:

- Found in 150 of 751 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 681
- Called 0.7% of time when present
- Phage (with cluster) where this start called: Marietta_47 (CR4),

Summary by clusters:

There are 38 clusters represented in this pham: DO, singleton, K3, K2, K1, DZ, K6, K4, DV, DT, A15, A14, A17, A11, A10, A13, A12, A19, A18, A3, A2, A5, A4, A6, A9, A8, CS3, CS2, A, A20, AB, C2, CR, CR2, A21, CR4, B3, M1,

Info for manual annotations of cluster A:

- Start number 132 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A10:

- Start number 132 was manually annotated 10 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 132 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 159 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A14:

- Start number 159 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A15:

- Start number 160 was manually annotated 9 times for cluster A15.

Info for manual annotations of cluster A18:

- Start number 131 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 186 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 130 was manually annotated 2 times for cluster A2.
- Start number 132 was manually annotated 22 times for cluster A2.
- Start number 159 was manually annotated 3 times for cluster A2.
- Start number 161 was manually annotated 21 times for cluster A2.
- Start number 181 was manually annotated 3 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 152 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:

- Start number 132 was manually annotated 88 times for cluster A3.
- Start number 166 was manually annotated 14 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 132 was manually annotated 137 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 132 was manually annotated 14 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 144 was manually annotated 42 times for cluster A6.

Info for manual annotations of cluster A8:

- Start number 153 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 132 was manually annotated 27 times for cluster A9.
- Start number 159 was manually annotated 3 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 38 was manually annotated 2 times for cluster AB.

Info for manual annotations of cluster B3:

- Start number 157 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster C2:

- Start number 186 was manually annotated 1 time for cluster C2.
- Start number 188 was manually annotated 2 times for cluster C2.

Info for manual annotations of cluster CR:

- Start number 148 was manually annotated 5 times for cluster CR.

Info for manual annotations of cluster CR2:

- Start number 30 was manually annotated 7 times for cluster CR2.

Info for manual annotations of cluster CR4:

- Start number 139 was manually annotated 1 time for cluster CR4.
- Start number 201 was manually annotated 1 time for cluster CR4.

Info for manual annotations of cluster CS2:

- Start number 61 was manually annotated 10 times for cluster CS2.

Info for manual annotations of cluster CS3:

- Start number 61 was manually annotated 24 times for cluster CS3.

Info for manual annotations of cluster DO:

- Start number 46 was manually annotated 4 times for cluster DO.

Info for manual annotations of cluster DT:

- Start number 35 was manually annotated 1 time for cluster DT.

Info for manual annotations of cluster DV:

- Start number 37 was manually annotated 25 times for cluster DV.

Info for manual annotations of cluster DZ:

- Start number 145 was manually annotated 3 times for cluster DZ.

Info for manual annotations of cluster K1:

- Start number 32 was manually annotated 83 times for cluster K1.
- Start number 33 was manually annotated 7 times for cluster K1.
- Start number 34 was manually annotated 9 times for cluster K1.
- Start number 57 was manually annotated 3 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 34 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 31 was manually annotated 1 time for cluster K3.
- Start number 34 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 34 was manually annotated 14 times for cluster K4.

Info for manual annotations of cluster K6:

- Start number 32 was manually annotated 8 times for cluster K6.
- Start number 34 was manually annotated 14 times for cluster K6.

Info for manual annotations of cluster M1:

- Start number 38 was manually annotated 1 time for cluster M1.

Gene Information:

Gene: 40AC_9 Start: 5287, Stop: 5973, Start Num: 132

Candidate Starts for 40AC_9:

(127, 5275), (Start: 132 @5287 has 323 MA's), (212, 5428), (238, 5521), (245, 5560), (265, 5611),

Gene: 8UZL_25 Start: 21727, Stop: 22752, Start Num: 38

Candidate Starts for 8UZL_25:

(Start: 38 @21727 has 3 MA's), (59, 21817), (78, 21886), (80, 21895), (106, 21973), (Start: 132 @22036 has 323 MA's), (133, 22039), (154, 22087), (190, 22183), (203, 22219), (217, 22270), (227, 22327), (305, 22564), (351, 22690),

Gene: ACFishhook_5 Start: 2969, Stop: 3619, Start Num: 132

Candidate Starts for ACFishhook_5:

(Start: 132 @2969 has 323 MA's), (203, 3077), (224, 3152), (275, 3344),

Gene: AN3_32 Start: 24571, Stop: 25236, Start Num: 161

Candidate Starts for AN3_32:

(Start: 161 @24571 has 21 MA's), (185, 24634), (207, 24694), (209, 24703), (210, 24706), (330, 25084), (357, 25174), (367, 25216),

Gene: AN9_35 Start: 24556, Stop: 25221, Start Num: 161

Candidate Starts for AN9_35:

(Start: 161 @24556 has 21 MA's), (185, 24619), (207, 24679), (209, 24688), (210, 24691), (330, 25069), (357, 25159), (367, 25201),

Gene: ANI8_35 Start: 24556, Stop: 25221, Start Num: 161

Candidate Starts for ANI8_35:

(Start: 161 @24556 has 21 MA's), (185, 24619), (207, 24679), (209, 24688), (210, 24691), (330, 25069), (357, 25159), (367, 25201),

Gene: AbbysRanger_5 Start: 2733, Stop: 3395, Start Num: 132

Candidate Starts for AbbysRanger_5:

(Start: 132 @2733 has 323 MA's), (203, 2838), (292, 3153),

Gene: Abdiel_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Abdiel_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (302, 3169), (368, 3367),

Gene: Achebe_5 Start: 2733, Stop: 3395, Start Num: 132

Candidate Starts for Achebe_5:

(Start: 132 @2733 has 323 MA's), (203, 2838), (292, 3153),

Gene: Acolyte_32 Start: 25057, Stop: 25704, Start Num: 161

Candidate Starts for Acolyte_32:

(Start: 161 @25057 has 21 MA's), (222, 25237), (226, 25267), (227, 25273), (257, 25357), (267, 25384), (285, 25471),

Gene: ActinUp_28 Start: 23436, Stop: 24338, Start Num: 57

Candidate Starts for ActinUp_28:

(3, 22881), (14, 23028), (24, 23280), (Start: 32 @23325 has 91 MA's), (Start: 57 @23436 has 3 MA's), (88, 23550), (133, 23667), (Start: 153 @23709 has 12 MA's), (158, 23721), (Start: 201 @23775 has 1 MA's), (222, 23853), (246, 23949), (253, 23961), (263, 23991), (267, 24000), (298, 24114), (330, 24183),

Gene: Adephagia_28 Start: 23322, Stop: 24335, Start Num: 32

Candidate Starts for Adephagia_28:

(3, 22878), (14, 23025), (24, 23277), (Start: 32 @23322 has 91 MA's), (Start: 57 @23433 has 3 MA's), (88, 23547), (133, 23664), (Start: 153 @23706 has 12 MA's), (158, 23718), (Start: 201 @23772 has 1 MA's), (222, 23850), (246, 23946), (253, 23958), (263, 23988), (267, 23997), (298, 24111), (330, 24180),

Gene: Adonis_28 Start: 23439, Stop: 24341, Start Num: 57

Candidate Starts for Adonis_28:

(3, 22884), (24, 23283), (Start: 32 @23328 has 91 MA's), (Start: 57 @23439 has 3 MA's), (88, 23553), (133, 23670), (Start: 153 @23712 has 12 MA's), (158, 23724), (Start: 201 @23778 has 1 MA's), (222, 23856), (242, 23940), (246, 23952), (253, 23964), (267, 24003), (298, 24117), (330, 24186),

Gene: Adzzy_33 Start: 23085, Stop: 23747, Start Num: 161

Candidate Starts for Adzzy_33:

(Start: 161 @23085 has 21 MA's), (168, 23100), (204, 23199), (222, 23268), (261, 23397), (285, 23505), (342, 23631),

Gene: Ageofdapage_28 Start: 23272, Stop: 24285, Start Num: 32

Candidate Starts for Ageofdapage_28:

(Start: 32 @23272 has 91 MA's), (Start: 57 @23383 has 3 MA's), (88, 23497), (133, 23614), (Start: 153 @23656 has 12 MA's), (Start: 201 @23722 has 1 MA's), (204, 23731), (222, 23800), (246, 23896), (253, 23908), (260, 23926), (267, 23947), (298, 24061), (330, 24130), (360, 24226),

Gene: AgronaGT15_5 Start: 2540, Stop: 3172, Start Num: 132

Candidate Starts for AgronaGT15_5:

(Start: 132 @2540 has 323 MA's), (224, 2723), (225, 2726), (227, 2753),

Gene: Albee_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Albee_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Alberto7_5 Start: 2723, Stop: 3394, Start Num: 132

Candidate Starts for Alberto7_5:

(Start: 132 @2723 has 323 MA's), (271, 3083), (370, 3389),

Gene: Aleemily_25 Start: 23347, Stop: 24057, Start Num: 145

Candidate Starts for Aleemily_25:

(28, 22930), (85, 23185), (Start: 145 @23347 has 3 MA's), (154, 23362), (162, 23377), (239, 23629), (300, 23821),

Gene: Alephilan_30 Start: 28717, Stop: 29766, Start Num: 37

Candidate Starts for Alephilan_30:

(Start: 37 @28717 has 25 MA's), (59, 28831), (70, 28873), (76, 28894), (84, 28927), (90, 28942), (114, 29005), (122, 29023), (183, 29176), (193, 29206), (203, 29233), (254, 29416), (266, 29446), (328, 29620), (344, 29674),

Gene: AlishaPH_28 Start: 23315, Stop: 24328, Start Num: 32

Candidate Starts for AlishaPH_28:

(3, 22871), (24, 23270), (Start: 32 @23315 has 91 MA's), (Start: 57 @23426 has 3 MA's), (88, 23540), (133, 23657), (Start: 153 @23699 has 12 MA's), (158, 23711), (Start: 201 @23765 has 1 MA's), (222, 23843), (246, 23939), (253, 23951), (263, 23981), (267, 23990), (298, 24104), (330, 24173),

Gene: Aliter_8 Start: 5167, Stop: 5796, Start Num: 132

Candidate Starts for Aliter_8:

(Start: 132 @5167 has 323 MA's), (151, 5206), (224, 5347), (227, 5377), (236, 5392),

Gene: Alma_8 Start: 5225, Stop: 5875, Start Num: 132

Candidate Starts for Alma_8:

(Start: 132 @5225 has 323 MA's), (223, 5402), (227, 5435), (290, 5639), (331, 5735),

Gene: Alyssamiracle_33 Start: 27521, Stop: 28618, Start Num: 37

Candidate Starts for Alyssamiracle_33:

(Start: 37 @27521 has 25 MA's), (59, 27635), (86, 27728), (101, 27761), (103, 27764), (105, 27767), (114, 27788), (120, 27800), (136, 27848), (165, 27911), (183, 27965), (211, 28061), (221, 28103), (279, 28337), (296, 28376), (322, 28463), (370, 28610),

Gene: Amelie_24 Start: 22900, Stop: 23907, Start Num: 34

Candidate Starts for Amelie_24:

(23, 22849), (27, 22861), (Start: 34 @22900 has 54 MA's), (42, 22960), (62, 23032), (79, 23086), (83, 23107), (133, 23236), (154, 23281), (155, 23284), (199, 23341), (Start: 201 @23344 has 1 MA's), (214, 23389), (223, 23425), (246, 23521), (253, 23533), (290, 23653), (339, 23785),

Gene: Amgine_26 Start: 23356, Stop: 24351, Start Num: 32

Candidate Starts for Amgine_26:

(25, 23320), (Start: 32 @23356 has 91 MA's), (51, 23446), (Start: 57 @23467 has 3 MA's), (86, 23575), (88, 23581), (95, 23602), (100, 23623), (208, 23830), (222, 23884), (223, 23887), (244, 23971), (245, 23974), (300, 24139),

Gene: Amohnition_27 Start: 23778, Stop: 24782, Start Num: 32

Candidate Starts for Amohnition_27:

(Start: 32 @23778 has 91 MA's), (91, 24015), (133, 24120), (216, 24279), (241, 24381), (245, 24393), (282, 24528), (292, 24546), (330, 24639), (347, 24705), (358, 24717),

Gene: Anamika_30 Start: 38386, Stop: 39288, Start Num: 61

Candidate Starts for Anamika_30:

(Start: 61 @38386 has 34 MA's), (104, 38524), (134, 38593), (155, 38641), (183, 38704), (Start: 201 @38740 has 1 MA's), (204, 38749), (244, 38908), (333, 39142), (339, 39160), (367, 39265),

Gene: Anaya_29 Start: 23452, Stop: 24354, Start Num: 57

Candidate Starts for Anaya_29:

(3, 22897), (24, 23296), (Start: 32 @23341 has 91 MA's), (Start: 57 @23452 has 3 MA's), (88, 23566), (133, 23683), (Start: 153 @23725 has 12 MA's), (158, 23737), (Start: 201 @23791 has 1 MA's), (222, 23869), (246, 23965), (253, 23977), (263, 24007), (267, 24016), (298, 24130), (330, 24199),

Gene: Anaysia_8 Start: 4403, Stop: 5071, Start Num: 160

Candidate Starts for Anaysia_8:

(Start: 160 @4403 has 9 MA's), (239, 4643), (260, 4709), (300, 4835),

Gene: Aneem_8 Start: 5410, Stop: 6072, Start Num: 132

Candidate Starts for Aneem_8:

(Start: 132 @5410 has 323 MA's), (162, 5476), (213, 5551), (241, 5662), (319, 5902),

Gene: Angelica_28 Start: 23290, Stop: 24303, Start Num: 32

Candidate Starts for Angelica_28:

(Start: 32 @23290 has 91 MA's), (Start: 57 @23401 has 3 MA's), (88, 23515), (133, 23632), (158, 23686), (167, 23704), (Start: 201 @23740 has 1 MA's), (222, 23818), (246, 23914), (253, 23926), (263, 23956), (267, 23965), (298, 24079), (330, 24148),

Gene: AnnaL29_8 Start: 5238, Stop: 5912, Start Num: 132

Candidate Starts for AnnaL29_8:

(Start: 132 @5238 has 323 MA's), (222, 5415), (266, 5559), (274, 5613), (302, 5709),

Gene: Annyong_5 Start: 2723, Stop: 3385, Start Num: 132

Candidate Starts for Annyong_5:

(Start: 132 @2723 has 323 MA's), (203, 2828), (290, 3140), (292, 3143), (368, 3368),

Gene: Anthony_5 Start: 2845, Stop: 3510, Start Num: 152

Candidate Starts for Anthony_5:

(Start: 152 @2845 has 1 MA's), (167, 2875), (199, 2956), (246, 3124), (259, 3154), (333, 3349),

Gene: Anubis_7 Start: 2809, Stop: 3468, Start Num: 132

Candidate Starts for Anubis_7:

(Start: 132 @2809 has 323 MA's), (172, 2896), (210, 2938), (224, 2992), (245, 3076), (253, 3094),

Gene: Apiary_24 Start: 12634, Stop: 13311, Start Num: 148

Candidate Starts for Apiary_24:

(Start: 148 @12634 has 5 MA's), (180, 12712), (192, 12745), (Start: 201 @12769 has 1 MA's), (204, 12778), (218, 12829), (221, 12838), (256, 12964), (290, 13072), (368, 13288),

Gene: Apocalypse_28 Start: 23293, Stop: 24306, Start Num: 32

Candidate Starts for Apocalypse_28:

(Start: 32 @23293 has 91 MA's), (Start: 57 @23404 has 3 MA's), (88, 23518), (133, 23635), (Start: 153 @23677 has 12 MA's), (158, 23689), (Start: 201 @23743 has 1 MA's), (222, 23821), (246, 23917), (253, 23929), (267, 23968), (292, 24064), (298, 24082), (330, 24151),

Gene: ArcherNM_8 Start: 5248, Stop: 5922, Start Num: 132

Candidate Starts for ArcherNM_8:

(Start: 132 @5248 has 323 MA's), (266, 5569), (274, 5623), (302, 5719), (338, 5803),

Gene: Artemis2UCLA_8 Start: 4544, Stop: 5242, Start Num: 144

Candidate Starts for Artemis2UCLA_8:

(Start: 144 @4544 has 42 MA's), (310, 5048), (369, 5234),

Gene: Arturo_4 Start: 2722, Stop: 3387, Start Num: 132

Candidate Starts for Arturo_4:

(Start: 132 @2722 has 323 MA's), (245, 2989), (267, 3046), (287, 3133), (315, 3202), (368, 3370),

Gene: Asayake_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for Asayake_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (Start: 57 @23467 has 3 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (253, 23992), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Astro_5 Start: 3347, Stop: 4006, Start Num: 153

Candidate Starts for Astro_5:

(Start: 153 @3347 has 12 MA's), (177, 3404), (200, 3446), (286, 3764), (330, 3863),

Gene: Atiba_28 Start: 23285, Stop: 24298, Start Num: 32

Candidate Starts for Atiba_28:

(3, 22841), (14, 22988), (24, 23240), (Start: 32 @23285 has 91 MA's), (Start: 61 @23417 has 34 MA's), (88, 23510), (133, 23627), (Start: 153 @23669 has 12 MA's), (158, 23681), (Start: 201 @23735 has 1 MA's), (222, 23813), (246, 23909), (263, 23951), (267, 23960), (298, 24074), (330, 24143),

Gene: AugsMagnumOpus_7 Start: 2890, Stop: 3549, Start Num: 132

Candidate Starts for AugsMagnumOpus_7:

(Start: 132 @2890 has 323 MA's), (224, 3073), (229, 3106), (253, 3175), (367, 3529),

Gene: AvatarAhPeg_5 Start: 2718, Stop: 3383, Start Num: 132

Candidate Starts for AvatarAhPeg_5:

(Start: 132 @2718 has 323 MA's), (169, 2799), (245, 2985), (278, 3111),

Gene: Avian_31 Start: 27503, Stop: 28600, Start Num: 37

Candidate Starts for Avian_31:

(Start: 37 @27503 has 25 MA's), (59, 27617), (86, 27710), (101, 27743), (103, 27746), (105, 27749), (113, 27767), (114, 27770), (136, 27830), (Start: 159 @27881 has 8 MA's), (165, 27893), (169, 27905), (183, 27947), (211, 28043), (221, 28085), (279, 28319), (296, 28358), (322, 28445), (370, 28592),

Gene: Avle17_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Avle17_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: B1_04 Start: 2514, Stop: 3149, Start Num: 132

Candidate Starts for B1_04:

(Start: 132 @2514 has 323 MA's), (224, 2697), (227, 2727), (254, 2805), (267, 2838),

Gene: BABullseye_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for BABullseye_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: BEEST_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for BEEST_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (Start: 57 @23467 has 3 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (253, 23992), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: BGlluviae_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for BGlluviae_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Baby16_5 Start: 2731, Stop: 3393, Start Num: 132

Candidate Starts for Baby16_5:

(Start: 132 @2731 has 323 MA's), (203, 2836), (290, 3148), (292, 3151), (368, 3376),

Gene: BabyBack_8 Start: 5112, Stop: 5783, Start Num: 132

Candidate Starts for BabyBack_8:

(Start: 132 @5112 has 323 MA's), (169, 5193), (222, 5289), (267, 5436),

Gene: BabyJohn_4 Start: 2767, Stop: 3399, Start Num: 132

Candidate Starts for BabyJohn_4:

(Start: 132 @2767 has 323 MA's), (224, 2950), (227, 2980),

Gene: BabyRay_5 Start: 2781, Stop: 3440, Start Num: 166

Candidate Starts for BabyRay_5:

(Start: 166 @2781 has 14 MA's), (173, 2802), (197, 2868), (222, 2958), (227, 2994), (269, 3138), (304, 3240), (351, 3378),

Gene: Bachome_8 Start: 5407, Stop: 6069, Start Num: 132

Candidate Starts for Bachome_8:

(Start: 132 @5407 has 323 MA's), (162, 5473), (213, 5548), (241, 5659), (319, 5899),

Gene: Backyardigan_5 Start: 2733, Stop: 3395, Start Num: 132

Candidate Starts for Backyardigan_5:

(Start: 132 @2733 has 323 MA's), (203, 2838), (292, 3153),

Gene: Bactobuster_8 Start: 5068, Stop: 5730, Start Num: 132

Candidate Starts for Bactobuster_8:

(Start: 132 @5068 has 323 MA's), (169, 5149), (203, 5173), (245, 5329), (278, 5455), (292, 5482),

Gene: Badger_5 Start: 2734, Stop: 3396, Start Num: 132

Candidate Starts for Badger_5:

(Start: 132 @2734 has 323 MA's), (203, 2839), (292, 3154),

Gene: BaghaKamala_28 Start: 23285, Stop: 24298, Start Num: 32

Candidate Starts for BaghaKamala_28:

(3, 22841), (24, 23240), (Start: 32 @23285 has 91 MA's), (Start: 57 @23396 has 3 MA's), (88, 23510), (133, 23627), (Start: 153 @23669 has 12 MA's), (158, 23681), (Start: 201 @23735 has 1 MA's), (222, 23813), (246, 23909), (253, 23921), (263, 23951), (267, 23960), (298, 24074), (330, 24143),

Gene: BangNhom_4 Start: 2722, Stop: 3387, Start Num: 132

Candidate Starts for BangNhom_4:

(Start: 132 @2722 has 323 MA's), (222, 2899), (245, 2989), (278, 3115),

Gene: BarrelRoll_28 Start: 23308, Stop: 24321, Start Num: 32

Candidate Starts for BarrelRoll_28:

(3, 22864), (24, 23263), (Start: 32 @23308 has 91 MA's), (Start: 57 @23419 has 3 MA's), (88, 23533), (133, 23650), (Start: 153 @23692 has 12 MA's), (158, 23704), (Start: 201 @23758 has 1 MA's), (222, 23836), (246, 23932), (263, 23974), (267, 23983), (298, 24097), (330, 24166),

Gene: Bartimeaus_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Bartimeaus_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Beauxregard13_5 Start: 2629, Stop: 3264, Start Num: 132

Candidate Starts for Beauxregard13_5:

(Start: 132 @2629 has 323 MA's), (227, 2842),

Gene: Beaver_33 Start: 37866, Stop: 38768, Start Num: 61

Candidate Starts for Beaver_33:

(Start: 61 @37866 has 34 MA's), (104, 38001), (117, 38031), (124, 38043), (140, 38076), (164, 38127), (183, 38175), (Start: 201 @38211 has 1 MA's), (223, 38292), (235, 38343), (237, 38346), (266, 38436), (312, 38583), (368, 38751),

Gene: Beemo_8 Start: 5228, Stop: 5899, Start Num: 132

Candidate Starts for Beemo_8:

(Start: 132 @5228 has 323 MA's), (222, 5402), (227, 5438), (292, 5651), (347, 5822),

Gene: Beezoo_28 Start: 23333, Stop: 24346, Start Num: 32

Candidate Starts for Beezoo_28:

(Start: 32 @23333 has 91 MA's), (Start: 57 @23444 has 3 MA's), (88, 23558), (99, 23597), (133, 23675), (Start: 153 @23717 has 12 MA's), (158, 23729), (Start: 201 @23783 has 1 MA's), (222, 23861), (242, 23945), (246, 23957), (253, 23969), (267, 24008), (298, 24122), (330, 24191),

Gene: Bella96_28 Start: 23266, Stop: 24279, Start Num: 32

Candidate Starts for Bella96_28:

(24, 23221), (Start: 32 @23266 has 91 MA's), (39, 23299), (Start: 57 @23377 has 3 MA's), (88, 23491), (133, 23608), (Start: 153 @23650 has 12 MA's), (158, 23662), (Start: 201 @23716 has 1 MA's), (222, 23794), (242, 23878), (246, 23890), (253, 23902), (257, 23914), (267, 23941), (270, 23977), (330, 24124), (360, 24220),

Gene: Belladonna_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for Belladonna_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: BellusTerra_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for BellusTerra_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Bern_30 Start: 23389, Stop: 24291, Start Num: 57

Candidate Starts for Bern_30:

(16, 23140), (18, 23179), (19, 23209), (21, 23215), (Start: 32 @23278 has 91 MA's), (Start: 57 @23389 has 3 MA's), (88, 23503), (95, 23524), (133, 23620), (141, 23638), (Start: 153 @23662 has 12 MA's), (158, 23674), (Start: 201 @23728 has 1 MA's), (222, 23806), (246, 23902), (253, 23914), (267, 23953), (270, 23989), (330, 24136),

Gene: Berries_30 Start: 38356, Stop: 39258, Start Num: 61

Candidate Starts for Berries_30:

(Start: 61 @38356 has 34 MA's), (104, 38494), (134, 38563), (155, 38611), (183, 38674), (Start: 201 @38710 has 1 MA's), (244, 38878), (339, 39130), (367, 39235),

Gene: BiancaTri92_8 Start: 5044, Stop: 5694, Start Num: 132

Candidate Starts for BiancaTri92_8:

(Start: 132 @5044 has 323 MA's), (164, 5116), (222, 5221), (233, 5269), (333, 5560),

Gene: Bianmat_30 Start: 38396, Stop: 39298, Start Num: 61

Candidate Starts for Bianmat_30:

(Start: 61 @38396 has 34 MA's), (104, 38534), (134, 38603), (155, 38651), (183, 38714), (Start: 201 @38750 has 1 MA's), (244, 38918), (339, 39170), (367, 39275),

Gene: Biglebops_24 Start: 22900, Stop: 23907, Start Num: 34

Candidate Starts for Biglebops_24:

(23, 22849), (27, 22861), (Start: 34 @22900 has 54 MA's), (42, 22960), (62, 23032), (79, 23086), (83, 23107), (133, 23236), (154, 23281), (155, 23284), (199, 23341), (Start: 201 @23344 has 1 MA's), (214, 23389), (223, 23425), (246, 23521), (253, 23533), (290, 23653), (339, 23785),

Gene: BirksAndSocks_33 Start: 37840, Stop: 38742, Start Num: 61

Candidate Starts for BirksAndSocks_33:

(Start: 61 @37840 has 34 MA's), (119, 38008), (134, 38044), (143, 38059), (151, 38074), (155, 38086), (Start: 201 @38185 has 1 MA's), (223, 38266), (237, 38320), (312, 38557), (360, 38683), (368, 38725),

Gene: BirthdayBoy_34 Start: 29543, Stop: 30589, Start Num: 37

Candidate Starts for BirthdayBoy_34:

(Start: 37 @29543 has 25 MA's), (59, 29657), (64, 29678), (70, 29699), (84, 29753), (90, 29768), (171, 29966), (193, 30032), (197, 30044), (217, 30113), (260, 30254),

Gene: Blackmoor_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Blackmoor_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: BlessJoy_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for BlessJoy_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Blinn1_8 Start: 4661, Stop: 5359, Start Num: 144
Candidate Starts for Blinn1_8:
(Start: 144 @4661 has 42 MA's), (283, 5102), (310, 5165), (369, 5351),

Gene: Blizzard_28 Start: 23356, Stop: 24369, Start Num: 32
Candidate Starts for Blizzard_28:
(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (Start: 57 @23467 has 3 MA's), (88, 23581),
(133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222,
23884), (246, 23980), (253, 23992), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Blue7_8 Start: 4655, Stop: 5353, Start Num: 144
Candidate Starts for Blue7_8:
(Start: 144 @4655 has 42 MA's), (310, 5159), (369, 5345),

Gene: BlueBird_5 Start: 2830, Stop: 3480, Start Num: 132
Candidate Starts for BlueBird_5:
(Start: 132 @2830 has 323 MA's), (245, 3097), (367, 3460),

Gene: BobSwaget_9 Start: 5384, Stop: 6061, Start Num: 132
Candidate Starts for BobSwaget_9:
(Start: 132 @5384 has 323 MA's), (223, 5564), (242, 5645), (247, 5660), (267, 5708), (290, 5798),
(299, 5825),

Gene: BogosyJay_8 Start: 5009, Stop: 5659, Start Num: 132
Candidate Starts for BogosyJay_8:
(Start: 132 @5009 has 323 MA's), (223, 5186), (227, 5219), (290, 5423), (331, 5519),

Gene: Boiiii_28 Start: 23358, Stop: 24371, Start Num: 32
Candidate Starts for Boiiii_28:
(3, 22914), (24, 23313), (Start: 32 @23358 has 91 MA's), (Start: 57 @23469 has 3 MA's), (88, 23583),
(133, 23700), (Start: 153 @23742 has 12 MA's), (158, 23754), (Start: 201 @23808 has 1 MA's), (222,
23886), (246, 23982), (253, 23994), (263, 24024), (267, 24033), (298, 24147), (330, 24216),

Gene: Bombshell_5 Start: 2722, Stop: 3384, Start Num: 132
Candidate Starts for Bombshell_5:
(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Bonamassa_5 Start: 3603, Stop: 4265, Start Num: 132
Candidate Starts for Bonamassa_5:
(Start: 132 @3603 has 323 MA's), (137, 3615), (146, 3639), (154, 3654), (162, 3669), (213, 3744),
(246, 3873), (319, 4095),

Gene: Boneham_33 Start: 37839, Stop: 38741, Start Num: 61
Candidate Starts for Boneham_33:
(Start: 61 @37839 has 34 MA's), (119, 38007), (134, 38043), (143, 38058), (151, 38073), (155, 38085),
(Start: 201 @38184 has 1 MA's), (223, 38265), (237, 38319), (312, 38556), (360, 38682), (368, 38724),

Gene: Bonum_48 Start: 35639, Stop: 36694, Start Num: 30
Candidate Starts for Bonum_48:
(20, 35576), (Start: 30 @35639 has 7 MA's), (80, 35852), (97, 35909), (Start: 152 @36035 has 1 MA's),
(253, 36323), (367, 36668),

Gene: Boohoo_8 Start: 4403, Stop: 5071, Start Num: 160

Candidate Starts for Boohoo_8:

(Start: 160 @4403 has 9 MA's), (239, 4643), (260, 4709), (300, 4835),

Gene: BoostSeason_25 Start: 21308, Stop: 22333, Start Num: 34

Candidate Starts for BoostSeason_25:

(17, 21224), (Start: 34 @21308 has 54 MA's), (54, 21413), (71, 21473), (86, 21527), (88, 21533), (120, 21614), (122, 21620), (126, 21635), (127, 21638), (224, 21842), (365, 22301), (367, 22310),

Gene: Bowtie_8 Start: 5410, Stop: 6072, Start Num: 132

Candidate Starts for Bowtie_8:

(Start: 132 @5410 has 323 MA's), (162, 5476), (213, 5551), (241, 5662), (319, 5902),

Gene: Bradman_31 Start: 23397, Stop: 23996, Start Num: 181

Candidate Starts for Bradman_31:

(Start: 181 @23397 has 3 MA's), (194, 23430), (204, 23448), (222, 23517), (242, 23601), (257, 23637), (285, 23754), (351, 23925),

Gene: Braxoaddie_24 Start: 12622, Stop: 13299, Start Num: 148

Candidate Starts for Braxoaddie_24:

(Start: 148 @12622 has 5 MA's), (180, 12700), (192, 12733), (Start: 201 @12757 has 1 MA's), (204, 12766), (218, 12817), (221, 12826), (256, 12952), (290, 13060), (368, 13276),

Gene: Broseidon_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Broseidon_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (302, 3169), (368, 3367),

Gene: Bruiser_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Bruiser_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Bryler_28 Start: 22694, Stop: 23755, Start Num: 34

Candidate Starts for Bryler_28:

(Start: 34 @22694 has 54 MA's), (49, 22772), (50, 22775), (54, 22793), (83, 22901), (92, 22928), (95, 22934), (133, 23030), (138, 23042), (183, 23144), (199, 23195), (228, 23312), (303, 23555), (307, 23573), (330, 23612),

Gene: BubbleTrouble_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for BubbleTrouble_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Bud_8 Start: 5416, Stop: 6078, Start Num: 132

Candidate Starts for Bud_8:

(Start: 132 @5416 has 323 MA's), (162, 5482), (213, 5557), (319, 5908), (337, 5953),

Gene: Bugatti_4 Start: 2830, Stop: 3480, Start Num: 132

Candidate Starts for Bugatti_4:

(Start: 132 @2830 has 323 MA's), (245, 3097), (367, 3460),

Gene: Buggaboo_46 Start: 36118, Stop: 37173, Start Num: 30

Candidate Starts for Buggaboo_46:

(Start: 30 @36118 has 7 MA's), (80, 36331), (Start: 152 @36514 has 1 MA's), (253, 36802), (367, 37147),

Gene: Bumblebee11_5 Start: 2733, Stop: 3395, Start Num: 132

Candidate Starts for Bumblebee11_5:

(Start: 132 @2733 has 323 MA's), (203, 2838), (292, 3153),

Gene: Burger_4 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Burger_4:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Butterball_33 Start: 37839, Stop: 38741, Start Num: 61

Candidate Starts for Butterball_33:

(Start: 61 @37839 has 34 MA's), (119, 38007), (134, 38043), (143, 38058), (151, 38073), (155, 38085),

(Start: 201 @38184 has 1 MA's), (223, 38265), (237, 38319), (312, 38556), (360, 38682), (368, 38724),

Gene: BuzzBuzz_4 Start: 2720, Stop: 3352, Start Num: 132

Candidate Starts for BuzzBuzz_4:

(Start: 132 @2720 has 323 MA's), (224, 2903), (225, 2906), (227, 2933),

Gene: Bxz2_5 Start: 2730, Stop: 3362, Start Num: 132

Candidate Starts for Bxz2_5:

(Start: 132 @2730 has 323 MA's), (224, 2913), (225, 2916), (227, 2943),

Gene: C3_30 Start: 24556, Stop: 25221, Start Num: 161

Candidate Starts for C3_30:

(Start: 161 @24556 has 21 MA's), (185, 24619), (207, 24679), (209, 24688), (210, 24691), (330, 25069), (357, 25159), (367, 25201),

Gene: CREW_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for CREW_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Caelakin_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Caelakin_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Cafasso_26 Start: 23921, Stop: 24631, Start Num: 145

Candidate Starts for Cafasso_26:

(28, 23504), (85, 23759), (Start: 145 @23921 has 3 MA's), (154, 23936), (162, 23951), (239, 24203), (300, 24395),

Gene: Cain_28 Start: 22682, Stop: 23743, Start Num: 34

Candidate Starts for Cain_28:

(Start: 34 @22682 has 54 MA's), (49, 22760), (50, 22763), (54, 22781), (83, 22889), (92, 22916), (95, 22922), (133, 23018), (138, 23030), (183, 23132), (199, 23183), (228, 23300), (303, 23543), (307, 23561), (330, 23600),

Gene: CallaLilly_29 Start: 23279, Stop: 24292, Start Num: 32

Candidate Starts for CallaLilly_29:

(3, 22835), (24, 23234), (Start: 32 @23279 has 91 MA's), (88, 23504), (133, 23621), (Start: 153 @23663 has 12 MA's), (158, 23675), (Start: 201 @23729 has 1 MA's), (222, 23807), (246, 23903), (263, 23945), (267, 23954), (298, 24068), (330, 24137),

Gene: Calvinny_5 Start: 2888, Stop: 3538, Start Num: 132
Candidate Starts for Calvinny_5:
(Start: 132 @2888 has 323 MA's), (203, 2996), (224, 3071), (275, 3263),

Gene: Camperdownii_5 Start: 2727, Stop: 3401, Start Num: 132
Candidate Starts for Camperdownii_5:
(Start: 132 @2727 has 323 MA's), (154, 2778), (227, 2940), (247, 3003),

Gene: Candra_8 Start: 4694, Stop: 5392, Start Num: 144
Candidate Starts for Candra_8:
(Start: 144 @4694 has 42 MA's), (310, 5198), (369, 5384),

Gene: Capricorn_28 Start: 23356, Stop: 24369, Start Num: 32
Candidate Starts for Capricorn_28:
(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Caraxes_31 Start: 22947, Stop: 23612, Start Num: 159
Candidate Starts for Caraxes_31:
(Start: 159 @22947 has 8 MA's), (Start: 161 @22950 has 21 MA's), (204, 23061), (222, 23130), (224, 23136), (227, 23166), (257, 23250), (290, 23373), (323, 23445), (363, 23562),

Gene: CaseJules_28 Start: 23356, Stop: 24369, Start Num: 32
Candidate Starts for CaseJules_28:
(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (Start: 57 @23467 has 3 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (253, 23992), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Catalina_8 Start: 5240, Stop: 5869, Start Num: 132
Candidate Starts for Catalina_8:
(Start: 132 @5240 has 323 MA's), (151, 5279), (224, 5420), (227, 5450), (236, 5465),

Gene: Caviar_5 Start: 2764, Stop: 3423, Start Num: 166
Candidate Starts for Caviar_5:
(Start: 166 @2764 has 14 MA's), (173, 2785), (197, 2851), (222, 2941), (227, 2977), (304, 3223), (341, 3310),

Gene: CentreCat_5 Start: 2723, Stop: 3385, Start Num: 132
Candidate Starts for CentreCat_5:
(Start: 132 @2723 has 323 MA's), (203, 2828), (290, 3140), (292, 3143), (368, 3368),

Gene: Cerulean_5 Start: 2723, Stop: 3388, Start Num: 132
Candidate Starts for Cerulean_5:
(Start: 132 @2723 has 323 MA's), (222, 2900), (245, 2990), (278, 3116),

Gene: ChampagnePapi_5 Start: 2722, Stop: 3387, Start Num: 132
Candidate Starts for ChampagnePapi_5:
(Start: 132 @2722 has 323 MA's), (222, 2899), (245, 2989), (278, 3115),

Gene: Chancellor_29 Start: 24596, Stop: 25600, Start Num: 34
Candidate Starts for Chancellor_29:

(Start: 34 @24596 has 54 MA's), (74, 24764), (86, 24809), (87, 24815), (107, 24869), (110, 24878), (143, 24959), (154, 24980), (Start: 157 @24986 has 1 MA's), (158, 24989), (222, 25121), (223, 25124), (260, 25247),

Gene: Changeling_8 Start: 5275, Stop: 5919, Start Num: 132

Candidate Starts for Changeling_8:

(Start: 132 @5275 has 323 MA's), (154, 5326), (223, 5455), (224, 5458), (238, 5506), (262, 5584), (367, 5899),

Gene: Chaph_5 Start: 2731, Stop: 3393, Start Num: 132

Candidate Starts for Chaph_5:

(Start: 132 @2731 has 323 MA's), (203, 2836), (290, 3148), (292, 3151), (368, 3376),

Gene: Chargerpower_33 Start: 23787, Stop: 24434, Start Num: 132

Candidate Starts for Chargerpower_33:

(Start: 132 @23787 has 323 MA's), (134, 23793), (169, 23871), (174, 23886), (203, 23898), (222, 23967), (224, 23973), (229, 24006), (267, 24114), (367, 24414),

Gene: Charianelly_30 Start: 38106, Stop: 39008, Start Num: 61

Candidate Starts for Charianelly_30:

(Start: 61 @38106 has 34 MA's), (104, 38244), (134, 38313), (155, 38361), (183, 38424), (Start: 201 @38460 has 1 MA's), (244, 38628), (339, 38880), (367, 38985),

Gene: Charm_32 Start: 24071, Stop: 24721, Start Num: 159

Candidate Starts for Charm_32:

(26, 23615), (63, 23804), (128, 23999), (Start: 159 @24071 has 8 MA's), (175, 24113), (197, 24164), (222, 24254), (225, 24263), (244, 24341), (266, 24398), (285, 24488),

Gene: Chartreuse_8 Start: 4608, Stop: 5306, Start Num: 144

Candidate Starts for Chartreuse_8:

(Start: 144 @4608 has 42 MA's), (310, 5112), (369, 5298),

Gene: Che12_34 Start: 23324, Stop: 23983, Start Num: 161

Candidate Starts for Che12_34:

(Start: 161 @23324 has 21 MA's), (168, 23339), (204, 23438), (257, 23624), (261, 23633), (285, 23741),

Gene: CheetoDust_28 Start: 23333, Stop: 24346, Start Num: 32

Candidate Starts for CheetoDust_28:

(3, 22889), (24, 23288), (Start: 32 @23333 has 91 MA's), (Start: 61 @23465 has 34 MA's), (88, 23558), (133, 23675), (Start: 153 @23717 has 12 MA's), (158, 23729), (Start: 201 @23783 has 1 MA's), (222, 23861), (246, 23957), (263, 23999), (267, 24008), (298, 24122), (330, 24191),

Gene: Cheetobro_29 Start: 24593, Stop: 25597, Start Num: 34

Candidate Starts for Cheetobro_29:

(Start: 34 @24593 has 54 MA's), (74, 24761), (86, 24806), (87, 24812), (107, 24866), (110, 24875), (143, 24956), (154, 24977), (Start: 157 @24983 has 1 MA's), (158, 24986), (222, 25118), (223, 25121), (260, 25244),

Gene: CherryTomatoes_125 Start: 82351, Stop: 83241, Start Num: 46

Candidate Starts for CherryTomatoes_125:

(Start: 46 @82351 has 4 MA's), (330, 83086),

Gene: Chiqui_4 Start: 2767, Stop: 3399, Start Num: 132
Candidate Starts for Chiqui_4:
(Start: 132 @2767 has 323 MA's), (224, 2950), (227, 2980),

Gene: Chris_27 Start: 22610, Stop: 23596, Start Num: 33
Candidate Starts for Chris_27:
(Start: 33 @22610 has 7 MA's), (56, 22715), (73, 22778), (79, 22799), (88, 22832), (92, 22847), (116, 22907), (Start: 157 @23000 has 1 MA's), (195, 23039), (223, 23138), (238, 23189), (260, 23261), (267, 23282), (293, 23363), (337, 23465),

Gene: Chupacabra_5 Start: 2816, Stop: 3463, Start Num: 132
Candidate Starts for Chupacabra_5:
(Start: 132 @2816 has 323 MA's), (172, 2903), (222, 2993), (262, 3125), (271, 3176), (272, 3179), (280, 3215), (368, 3449),

Gene: Cici_5 Start: 2733, Stop: 3395, Start Num: 132
Candidate Starts for Cici_5:
(Start: 132 @2733 has 323 MA's), (203, 2838), (292, 3153),

Gene: Cindaradix_5 Start: 2722, Stop: 3387, Start Num: 132
Candidate Starts for Cindaradix_5:
(Start: 132 @2722 has 323 MA's), (169, 2803), (271, 3076),

Gene: CinnamonToast_34 Start: 37893, Stop: 38795, Start Num: 61
Candidate Starts for CinnamonToast_34:
(Start: 61 @37893 has 34 MA's), (119, 38061), (134, 38097), (143, 38112), (151, 38127), (155, 38139), (Start: 201 @38238 has 1 MA's), (223, 38319), (237, 38373), (312, 38610), (360, 38736), (368, 38778),

Gene: Cintron_5 Start: 2722, Stop: 3387, Start Num: 132
Candidate Starts for Cintron_5:
(Start: 132 @2722 has 323 MA's), (169, 2803), (197, 2809), (245, 2989), (278, 3115),

Gene: Citius_5 Start: 2722, Stop: 3384, Start Num: 132
Candidate Starts for Citius_5:
(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Clarenza_5 Start: 2722, Stop: 3384, Start Num: 132
Candidate Starts for Clarenza_5:
(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Clipper_30 Start: 23444, Stop: 24346, Start Num: 57
Candidate Starts for Clipper_30:
(3, 22889), (24, 23288), (Start: 32 @23333 has 91 MA's), (Start: 57 @23444 has 3 MA's), (88, 23558), (133, 23675), (Start: 153 @23717 has 12 MA's), (158, 23729), (Start: 201 @23783 has 1 MA's), (222, 23861), (242, 23945), (246, 23957), (253, 23969), (263, 23999), (267, 24008), (298, 24122), (330, 24191),

Gene: CloudWang3_8 Start: 4661, Stop: 5359, Start Num: 144
Candidate Starts for CloudWang3_8:
(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Cocoaberry_5 Start: 2722, Stop: 3384, Start Num: 132
Candidate Starts for Cocoaberry_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: CoffeeBean_24 Start: 12577, Stop: 13254, Start Num: 148

Candidate Starts for CoffeeBean_24:

(Start: 148 @12577 has 5 MA's), (180, 12655), (192, 12688), (Start: 201 @12712 has 1 MA's), (204, 12721), (218, 12772), (221, 12781), (256, 12907), (290, 13015), (368, 13231),

Gene: Colbster_5 Start: 2629, Stop: 3264, Start Num: 132

Candidate Starts for Colbster_5:

(Start: 132 @2629 has 323 MA's), (227, 2842),

Gene: Colin_9 Start: 5247, Stop: 5933, Start Num: 132

Candidate Starts for Colin_9:

(Start: 132 @5247 has 323 MA's), (223, 5421), (268, 5571), (313, 5742), (353, 5862),

Gene: Commander_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Commander_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Connomayer_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Connomayer_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Conquerage_8 Start: 5224, Stop: 5895, Start Num: 132

Candidate Starts for Conquerage_8:

(Start: 132 @5224 has 323 MA's), (227, 5434), (253, 5506), (292, 5647), (333, 5740), (347, 5818), (367, 5872),

Gene: Coog_5 Start: 3571, Stop: 4233, Start Num: 132

Candidate Starts for Coog_5:

(Start: 132 @3571 has 323 MA's), (137, 3583), (146, 3607), (154, 3622), (162, 3637), (213, 3712), (246, 3841), (319, 4063),

Gene: Cookiedough_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for Cookiedough_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: CrimD_28 Start: 23294, Stop: 24307, Start Num: 32

Candidate Starts for CrimD_28:

(Start: 32 @23294 has 91 MA's), (Start: 57 @23405 has 3 MA's), (88, 23519), (133, 23636), (Start: 153 @23678 has 12 MA's), (158, 23690), (Start: 201 @23744 has 1 MA's), (222, 23822), (242, 23906), (246, 23918), (253, 23930), (267, 23969), (360, 24248),

Gene: Cuco_5 Start: 3602, Stop: 4264, Start Num: 132

Candidate Starts for Cuco_5:

(Start: 132 @3602 has 323 MA's), (137, 3614), (146, 3638), (154, 3653), (162, 3668), (213, 3743), (246, 3872), (319, 4094),

Gene: Cullens_5 Start: 2629, Stop: 3264, Start Num: 132

Candidate Starts for Cullens_5:

(Start: 132 @2629 has 323 MA's), (227, 2842),

Gene: D29_32 Start: 24412, Stop: 25083, Start Num: 161

Candidate Starts for D29_32:

(Start: 161 @24412 has 21 MA's), (197, 24502), (204, 24523), (222, 24592), (227, 24628), (242, 24676), (323, 24916), (327, 24919), (356, 25018), (363, 25033),

Gene: D32_35 Start: 24412, Stop: 25083, Start Num: 161

Candidate Starts for D32_35:

(Start: 161 @24412 has 21 MA's), (197, 24502), (204, 24523), (222, 24592), (227, 24628), (242, 24676), (323, 24916), (327, 24919), (356, 25018), (363, 25033),

Gene: DBQu4n_35 Start: 24412, Stop: 25083, Start Num: 161

Candidate Starts for DBQu4n_35:

(Start: 161 @24412 has 21 MA's), (197, 24502), (204, 24523), (222, 24592), (227, 24628), (242, 24676), (323, 24916), (327, 24919), (356, 25018), (363, 25033),

Gene: DaHudson_5 Start: 2890, Stop: 3549, Start Num: 132

Candidate Starts for DaHudson_5:

(Start: 132 @2890 has 323 MA's), (224, 3073), (229, 3106), (253, 3175), (367, 3529),

Gene: DaVinci_8 Start: 4662, Stop: 5360, Start Num: 144

Candidate Starts for DaVinci_8:

(Start: 144 @4662 has 42 MA's), (310, 5166), (369, 5352),

Gene: Daishi_5 Start: 2404, Stop: 3036, Start Num: 132

Candidate Starts for Daishi_5:

(Start: 132 @2404 has 323 MA's), (224, 2587), (225, 2590), (227, 2617),

Gene: Dalmuri_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for Dalmuri_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Damp_30 Start: 37270, Stop: 38172, Start Num: 61

Candidate Starts for Damp_30:

(Start: 61 @37270 has 34 MA's), (104, 37408), (134, 37477), (155, 37525), (183, 37588), (Start: 201 @37624 has 1 MA's), (244, 37792), (333, 38026), (339, 38044), (367, 38149),

Gene: Danforth_4 Start: 3362, Stop: 4021, Start Num: 153

Candidate Starts for Danforth_4:

(Start: 153 @3362 has 12 MA's), (177, 3419), (Start: 186 @3428 has 2 MA's), (200, 3461), (330, 3878),

Gene: Darrell_8 Start: 5117, Stop: 5806, Start Num: 132

Candidate Starts for Darrell_8:

(Start: 132 @5117 has 323 MA's), (212, 5261), (217, 5282), (238, 5354), (245, 5393), (265, 5444), (266, 5447), (299, 5579), (308, 5618), (344, 5708), (368, 5792),

Gene: DarthP_27 Start: 23700, Stop: 24704, Start Num: 32

Candidate Starts for DarthP_27:

(Start: 32 @23700 has 91 MA's), (133, 24042), (208, 24174), (216, 24201), (245, 24315), (292, 24468), (330, 24561), (331, 24564), (347, 24627), (358, 24639),

Gene: Dartin_28 Start: 22728, Stop: 23693, Start Num: 32

Candidate Starts for Dartin_28:

(Start: 32 @22728 has 91 MA's), (36, 22734), (68, 22887), (74, 22905), (79, 22923), (88, 22956), (100, 22998), (126, 23058), (133, 23073), (222, 23259), (223, 23262), (241, 23334), (267, 23403), (279, 23451), (286, 23466), (302, 23499), (317, 23538), (361, 23637),

Gene: Datway_5 Start: 2733, Stop: 3395, Start Num: 132

Candidate Starts for Datway_5:

(Start: 132 @2733 has 323 MA's), (203, 2838), (292, 3153),

Gene: DaviePasture_33 Start: 29342, Stop: 30391, Start Num: 37

Candidate Starts for DaviePasture_33:

(Start: 37 @29342 has 25 MA's), (59, 29456), (64, 29477), (84, 29552), (90, 29567), (114, 29630), (193, 29831), (202, 29855), (247, 30026), (320, 30239), (330, 30254), (344, 30299),

Gene: Deano_5 Start: 2722, Stop: 3390, Start Num: 132

Candidate Starts for Deano_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (267, 3046), (292, 3142),

Gene: Deby_28 Start: 23290, Stop: 24303, Start Num: 32

Candidate Starts for Deby_28:

(Start: 32 @23290 has 91 MA's), (Start: 57 @23401 has 3 MA's), (88, 23515), (133, 23632), (158, 23686), (Start: 201 @23740 has 1 MA's), (222, 23818), (246, 23914), (253, 23926), (263, 23956), (267, 23965), (298, 24079), (330, 24148),

Gene: Devera_28 Start: 23337, Stop: 24350, Start Num: 32

Candidate Starts for Devera_28:

(Start: 32 @23337 has 91 MA's), (Start: 57 @23448 has 3 MA's), (59, 23457), (88, 23562), (124, 23658), (133, 23679), (Start: 153 @23721 has 12 MA's), (158, 23733), (Start: 201 @23787 has 1 MA's), (222, 23865), (246, 23961), (253, 23973), (267, 24012), (298, 24126), (330, 24195), (360, 24291),

Gene: Dhanush_5 Start: 2721, Stop: 3383, Start Num: 132

Candidate Starts for Dhanush_5:

(Start: 132 @2721 has 323 MA's), (203, 2826), (290, 3138), (292, 3141), (368, 3366),

Gene: Diabla_32 Start: 37690, Stop: 38598, Start Num: 61

Candidate Starts for Diabla_32:

(Start: 61 @37690 has 34 MA's), (104, 37825), (155, 37942), (183, 38005), (Start: 201 @38041 has 1 MA's), (244, 38209), (367, 38575), (368, 38581),

Gene: DirtyDunning_5 Start: 2720, Stop: 3385, Start Num: 132

Candidate Starts for DirtyDunning_5:

(Start: 132 @2720 has 323 MA's), (169, 2801), (197, 2807), (222, 2897), (245, 2987), (278, 3113),

Gene: DismalFunk_25 Start: 21282, Stop: 22277, Start Num: 34

Candidate Starts for DismalFunk_25:

(12, 20961), (15, 21099), (17, 21198), (Start: 34 @21282 has 54 MA's), (48, 21363), (54, 21387), (71, 21447), (86, 21501), (88, 21507), (126, 21609), (127, 21612), (150, 21660), (Start: 153 @21666 has 12 MA's), (193, 21708), (Start: 201 @21732 has 1 MA's), (224, 21816), (245, 21900), (267, 21957), (367, 22254),

Gene: DismalStressor_25 Start: 21282, Stop: 22277, Start Num: 34

Candidate Starts for DismalStressor_25:

(15, 21099), (17, 21198), (Start: 34 @21282 has 54 MA's), (48, 21363), (54, 21387), (71, 21447), (86, 21501), (88, 21507), (126, 21609), (127, 21612), (150, 21660), (Start: 153 @21666 has 12 MA's), (193, 21708), (Start: 201 @21732 has 1 MA's), (224, 21816), (245, 21900), (267, 21957), (367, 22254),

Gene: Dixon_5 Start: 3348, Stop: 4007, Start Num: 153

Candidate Starts for Dixon_5:

(Start: 153 @3348 has 12 MA's), (177, 3405), (200, 3447), (286, 3765), (330, 3864),

Gene: Dole_28 Start: 23339, Stop: 24352, Start Num: 32

Candidate Starts for Dole_28:

(Start: 32 @23339 has 91 MA's), (Start: 57 @23450 has 3 MA's), (59, 23459), (88, 23564), (124, 23660), (133, 23681), (Start: 153 @23723 has 12 MA's), (158, 23735), (Start: 201 @23789 has 1 MA's), (222, 23867), (246, 23963), (253, 23975), (267, 24014), (298, 24128), (330, 24197), (360, 24293),

Gene: DoobyDoo_32 Start: 28492, Stop: 29541, Start Num: 37

Candidate Starts for DoobyDoo_32:

(Start: 37 @28492 has 25 MA's), (48, 28567), (59, 28606), (64, 28627), (84, 28702), (90, 28717), (114, 28780), (136, 28840), (178, 28942), (247, 29176), (330, 29404),

Gene: Dorothea_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for Dorothea_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: DrHayes_28 Start: 23284, Stop: 24297, Start Num: 32

Candidate Starts for DrHayes_28:

(24, 23239), (Start: 32 @23284 has 91 MA's), (Start: 57 @23395 has 3 MA's), (88, 23509), (133, 23626), (Start: 153 @23668 has 12 MA's), (158, 23680), (Start: 201 @23734 has 1 MA's), (222, 23812), (246, 23908), (253, 23920), (267, 23959), (270, 23995), (330, 24142), (360, 24238),

Gene: DreamTeam1_32 Start: 23986, Stop: 24633, Start Num: 132

Candidate Starts for DreamTeam1_32:

(Start: 132 @23986 has 323 MA's), (134, 23992), (149, 24025), (Start: 160 @24049 has 9 MA's), (174, 24085), (203, 24097), (222, 24166), (224, 24172), (225, 24175), (229, 24205), (253, 24274), (267, 24313),

Gene: DropBear_5 Start: 2913, Stop: 3572, Start Num: 132

Candidate Starts for DropBear_5:

(Start: 132 @2913 has 323 MA's), (224, 3096), (275, 3297), (316, 3417),

Gene: Druantia_5 Start: 2723, Stop: 3385, Start Num: 132

Candidate Starts for Druantia_5:

(Start: 132 @2723 has 323 MA's), (203, 2828), (290, 3140), (292, 3143), (368, 3368),

Gene: Dublin_4 Start: 3571, Stop: 4233, Start Num: 132

Candidate Starts for Dublin_4:

(Start: 132 @3571 has 323 MA's), (146, 3607), (154, 3622), (162, 3637), (213, 3712), (246, 3841), (319, 4063),

Gene: Duplo_35 Start: 24450, Stop: 25121, Start Num: 161

Candidate Starts for Duplo_35:

(Start: 161 @24450 has 21 MA's), (197, 24540), (204, 24561), (222, 24630), (227, 24666), (242, 24714), (323, 24954), (327, 24957), (356, 25056), (363, 25071),

Gene: Durfee_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for Durfee_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (Start: 57 @23467 has 3 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (253, 23992), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: DustyMartin_6 Start: 2752, Stop: 3399, Start Num: 132

Candidate Starts for DustyMartin_6:

(Start: 132 @2752 has 323 MA's), (142, 2776), (172, 2839), (222, 2929), (245, 3019), (271, 3112),

Gene: EZMoney23_8 Start: 5345, Stop: 6004, Start Num: 132

Candidate Starts for EZMoney23_8:

(Start: 132 @5345 has 323 MA's), (224, 5528), (229, 5561), (245, 5612), (253, 5630), (368, 5990),

Gene: Eagle_4 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Eagle_4:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Eaglepride_6 Start: 2816, Stop: 3460, Start Num: 132

Candidate Starts for Eaglepride_6:

(Start: 132 @2816 has 323 MA's), (172, 2903), (222, 2990), (224, 2996), (266, 3134), (271, 3173), (293, 3233),

Gene: Eapen_5 Start: 2724, Stop: 3386, Start Num: 132

Candidate Starts for Eapen_5:

(Start: 132 @2724 has 323 MA's), (203, 2829), (290, 3141), (292, 3144), (368, 3369),

Gene: Ebony_8 Start: 5416, Stop: 6078, Start Num: 132

Candidate Starts for Ebony_8:

(Start: 132 @5416 has 323 MA's), (162, 5482), (213, 5557), (241, 5668), (319, 5908), (337, 5953),

Gene: Edison31_5 Start: 2836, Stop: 3483, Start Num: 132

Candidate Starts for Edison31_5:

(Start: 132 @2836 has 323 MA's), (222, 3013), (262, 3145), (271, 3196), (272, 3199),

Gene: EdogawaKiddo_6 Start: 5239, Stop: 5868, Start Num: 132

Candidate Starts for EdogawaKiddo_6:

(Start: 132 @5239 has 323 MA's), (151, 5278), (224, 5419), (227, 5449), (236, 5464),

Gene: Efra2_28 Start: 22526, Stop: 23587, Start Num: 32

Candidate Starts for Efra2_28:

(Start: 32 @22526 has 91 MA's), (Start: 57 @22640 has 3 MA's), (88, 22754), (95, 22775), (125, 22853), (129, 22862), (138, 22883), (141, 22889), (206, 22997), (222, 23057), (248, 23177), (249, 23183), (250, 23189), (269, 23279), (312, 23405), (317, 23420),

Gene: Eidsmoe_8 Start: 5224, Stop: 5895, Start Num: 132

Candidate Starts for Eidsmoe_8:

(Start: 132 @5224 has 323 MA's), (227, 5434), (253, 5506), (292, 5647), (333, 5740), (347, 5818), (367, 5872),

Gene: Ekdilam_25 Start: 23459, Stop: 24463, Start Num: 32

Candidate Starts for Ekdilam_25:

(Start: 32 @23459 has 91 MA's), (79, 23651), (83, 23672), (95, 23705), (107, 23738), (133, 23801), (208, 23933), (216, 23960), (245, 24074), (292, 24227), (330, 24320), (347, 24386),

Gene: Elephantoon_8 Start: 4805, Stop: 5470, Start Num: 132

Candidate Starts for Elephantoon_8:

(Start: 132 @4805 has 323 MA's), (227, 5009), (246, 5069), (266, 5117), (279, 5198), (337, 5333), (347, 5393), (367, 5447),

Gene: Ellie_25 Start: 23458, Stop: 24465, Start Num: 32

Candidate Starts for Ellie_25:

(Start: 32 @23458 has 91 MA's), (51, 23548), (Start: 57 @23569 has 3 MA's), (79, 23650), (88, 23683), (95, 23704), (223, 23989), (230, 24028), (347, 24388), (368, 24448),

Gene: Emerson_28 Start: 23316, Stop: 24329, Start Num: 32

Candidate Starts for Emerson_28:

(3, 22872), (24, 23271), (Start: 32 @23316 has 91 MA's), (88, 23541), (133, 23658), (Start: 153 @23700 has 12 MA's), (158, 23712), (Start: 201 @23766 has 1 MA's), (222, 23844), (246, 23940), (253, 23952), (263, 23982), (267, 23991), (298, 24105), (330, 24174),

Gene: EmyBug_8 Start: 5224, Stop: 5895, Start Num: 132

Candidate Starts for EmyBug_8:

(Start: 132 @5224 has 323 MA's), (222, 5398), (227, 5434), (292, 5647), (347, 5818),

Gene: Enkosi_24 Start: 22900, Stop: 23907, Start Num: 34

Candidate Starts for Enkosi_24:

(23, 22849), (27, 22861), (Start: 34 @22900 has 54 MA's), (42, 22960), (62, 23032), (79, 23086), (83, 23107), (133, 23236), (154, 23281), (155, 23284), (199, 23341), (Start: 201 @23344 has 1 MA's), (214, 23389), (223, 23425), (246, 23521), (253, 23533), (290, 23653), (339, 23785),

Gene: EpicPhail_5 Start: 2629, Stop: 3264, Start Num: 132

Candidate Starts for EpicPhail_5:

(Start: 132 @2629 has 323 MA's), (227, 2842),

Gene: Epsocamisio_8 Start: 4403, Stop: 5071, Start Num: 160

Candidate Starts for Epsocamisio_8:

(Start: 160 @4403 has 9 MA's), (239, 4643), (260, 4709), (300, 4835),

Gene: EricB_8 Start: 4662, Stop: 5360, Start Num: 144

Candidate Starts for EricB_8:

(Start: 144 @4662 has 42 MA's), (310, 5166), (369, 5352),

Gene: Eris_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Eris_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Eros_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Eros_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Erutan_33 Start: 29002, Stop: 30048, Start Num: 37

Candidate Starts for Erutan_33:

(Start: 37 @29002 has 25 MA's), (59, 29116), (64, 29137), (84, 29212), (90, 29227), (114, 29290), (202, 29515), (247, 29686), (266, 29731), (330, 29914),

Gene: Et2Brutus_7 Start: 5413, Stop: 6075, Start Num: 132
Candidate Starts for Et2Brutus_7:
(Start: 132 @5413 has 323 MA's), (162, 5479), (213, 5554), (241, 5665), (319, 5905), (337, 5950),

Gene: Eurydice_5 Start: 2722, Stop: 3384, Start Num: 132
Candidate Starts for Eurydice_5:
(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Expelliarmus_4 Start: 3348, Stop: 4007, Start Num: 153
Candidate Starts for Expelliarmus_4:
(Start: 153 @3348 has 12 MA's), (177, 3405), (200, 3447), (330, 3864),

Gene: ExplosioNervosa_8 Start: 5227, Stop: 5898, Start Num: 132
Candidate Starts for ExplosioNervosa_8:
(Start: 132 @5227 has 323 MA's), (222, 5401), (227, 5437), (292, 5650), (347, 5821),

Gene: FF47_25 Start: 21654, Stop: 22679, Start Num: 38
Candidate Starts for FF47_25:
(Start: 38 @21654 has 3 MA's), (59, 21744), (78, 21813), (80, 21822), (106, 21900), (Start: 132 @21963 has 323 MA's), (133, 21966), (190, 22110), (203, 22146), (227, 22254), (305, 22491), (351, 22617),

Gene: Farber_5 Start: 2891, Stop: 3550, Start Num: 132
Candidate Starts for Farber_5:
(Start: 132 @2891 has 323 MA's), (224, 3074), (229, 3107), (253, 3176), (367, 3530),

Gene: Fayely_8 Start: 5227, Stop: 5898, Start Num: 132
Candidate Starts for Fayely_8:
(Start: 132 @5227 has 323 MA's), (222, 5401), (227, 5437), (292, 5650), (347, 5821),

Gene: Fefferhead_27 Start: 23613, Stop: 24665, Start Num: 32
Candidate Starts for Fefferhead_27:
(25, 23577), (Start: 32 @23613 has 91 MA's), (51, 23703), (Start: 57 @23724 has 3 MA's), (62, 23751), (88, 23838), (95, 23859), (100, 23880), (183, 24069), (208, 24147), (223, 24204), (227, 24237), (234, 24252), (318, 24507), (330, 24522), (351, 24603), (367, 24642),

Gene: FelixAlejandro_34 Start: 38037, Stop: 38939, Start Num: 61
Candidate Starts for FelixAlejandro_34:
(Start: 61 @38037 has 34 MA's), (104, 38172), (119, 38205), (143, 38256), (155, 38283), (Start: 201 @38382 has 1 MA's), (223, 38463), (237, 38517), (312, 38754), (360, 38880), (368, 38922),

Gene: Fernando_5 Start: 2629, Stop: 3264, Start Num: 132
Candidate Starts for Fernando_5:
(Start: 132 @2629 has 323 MA's), (227, 2842),

Gene: Fibonacci_8 Start: 5413, Stop: 6075, Start Num: 132
Candidate Starts for Fibonacci_8:
(Start: 132 @5413 has 323 MA's), (162, 5479), (213, 5554), (319, 5905), (337, 5950),

Gene: Findley_25 Start: 21282, Stop: 22307, Start Num: 34
Candidate Starts for Findley_25:

(15, 21099), (17, 21198), (Start: 34 @21282 has 54 MA's), (48, 21363), (54, 21387), (71, 21447), (86, 21501), (88, 21507), (120, 21588), (122, 21594), (126, 21609), (127, 21612), (224, 21816), (365, 22275), (367, 22284),

Gene: Fionnbharth_29 Start: 24586, Stop: 25590, Start Num: 34

Candidate Starts for Fionnbharth_29:

(Start: 34 @24586 has 54 MA's), (45, 24655), (74, 24754), (86, 24799), (87, 24805), (107, 24859), (110, 24868), (125, 24904), (143, 24949), (154, 24970), (Start: 157 @24976 has 1 MA's), (158, 24979), (222, 25111), (223, 25114), (260, 25237), (267, 25258), (358, 25525),

Gene: Flaverint_8 Start: 5410, Stop: 6072, Start Num: 132

Candidate Starts for Flaverint_8:

(Start: 132 @5410 has 323 MA's), (162, 5476), (213, 5551), (241, 5662), (319, 5902),

Gene: Florean_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Florean_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Flux_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Flux_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Fred313_5 Start: 2736, Stop: 3398, Start Num: 132

Candidate Starts for Fred313_5:

(Start: 132 @2736 has 323 MA's), (222, 2913), (227, 2949), (236, 2964), (246, 3009), (330, 3237), (339, 3270),

Gene: Fulcrum_34 Start: 29520, Stop: 30569, Start Num: 37

Candidate Starts for Fulcrum_34:

(Start: 37 @29520 has 25 MA's), (59, 29634), (64, 29655), (84, 29730), (90, 29745), (114, 29808), (136, 29868), (178, 29970), (202, 30033), (247, 30204), (330, 30432),

Gene: Funston_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Funston_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: GOATification_34 Start: 29520, Stop: 30569, Start Num: 37

Candidate Starts for GOATification_34:

(Start: 37 @29520 has 25 MA's), (59, 29634), (64, 29655), (84, 29730), (90, 29745), (114, 29808), (136, 29868), (178, 29970), (202, 30033), (247, 30204), (330, 30432),

Gene: Gadost_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Gadost_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: GalacticEye_30 Start: 38068, Stop: 38970, Start Num: 61

Candidate Starts for GalacticEye_30:

(Start: 61 @38068 has 34 MA's), (104, 38206), (134, 38275), (155, 38323), (183, 38386), (Start: 201 @38422 has 1 MA's), (244, 38590), (339, 38842), (367, 38947),

Gene: Ganymede_29 Start: 23336, Stop: 24349, Start Num: 32

Candidate Starts for Ganymede_29:

(3, 22892), (24, 23291), (Start: 32 @23336 has 91 MA's), (Start: 57 @23447 has 3 MA's), (88, 23561), (133, 23678), (Start: 153 @23720 has 12 MA's), (158, 23732), (196, 23771), (Start: 201 @23786 has 1 MA's), (222, 23864), (242, 23948), (246, 23960), (253, 23972), (267, 24011), (298, 24125), (330, 24194),

Gene: Garak_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for Garak_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: GaugeLDP_8 Start: 4848, Stop: 5522, Start Num: 132

Candidate Starts for GaugeLDP_8:

(Start: 132 @4848 has 323 MA's), (222, 5025), (227, 5061), (245, 5115), (267, 5172), (317, 5352),

Gene: Gemma_5 Start: 2888, Stop: 3538, Start Num: 132

Candidate Starts for Gemma_5:

(Start: 132 @2888 has 323 MA's), (203, 2996), (224, 3071), (275, 3263),

Gene: Genamy16_33 Start: 27521, Stop: 28618, Start Num: 37

Candidate Starts for Genamy16_33:

(Start: 37 @27521 has 25 MA's), (59, 27635), (86, 27728), (101, 27761), (103, 27764), (105, 27767), (113, 27785), (114, 27788), (120, 27800), (136, 27848), (165, 27911), (183, 27965), (211, 28061), (221, 28103), (279, 28337), (296, 28376), (322, 28463), (370, 28610),

Gene: George_4 Start: 3602, Stop: 4264, Start Num: 132

Candidate Starts for George_4:

(Start: 132 @3602 has 323 MA's), (137, 3614), (146, 3638), (154, 3653), (162, 3668), (213, 3743), (246, 3872), (319, 4094),

Gene: Geraldini_28 Start: 23332, Stop: 24345, Start Num: 32

Candidate Starts for Geraldini_28:

(3, 22888), (24, 23287), (Start: 32 @23332 has 91 MA's), (Start: 57 @23443 has 3 MA's), (86, 23551), (88, 23557), (133, 23674), (Start: 153 @23716 has 12 MA's), (158, 23728), (Start: 201 @23782 has 1 MA's), (222, 23860), (242, 23944), (246, 23956), (253, 23968), (267, 24007), (298, 24121), (330, 24190),

Gene: Gibbin_34 Start: 29619, Stop: 30668, Start Num: 37

Candidate Starts for Gibbin_34:

(Start: 37 @29619 has 25 MA's), (59, 29733), (70, 29775), (84, 29829), (90, 29844), (114, 29907), (247, 30303), (266, 30348), (289, 30438), (330, 30531),

Gene: Gilberta_8 Start: 5407, Stop: 6069, Start Num: 132

Candidate Starts for Gilberta_8:

(Start: 132 @5407 has 323 MA's), (162, 5473), (213, 5548), (241, 5659), (319, 5899),

Gene: GingkoMaracino_5 Start: 2809, Stop: 3468, Start Num: 132

Candidate Starts for GingkoMaracino_5:

(Start: 132 @2809 has 323 MA's), (172, 2896), (210, 2938), (224, 2992), (245, 3076), (253, 3094),

Gene: Giroux_4 Start: 2830, Stop: 3480, Start Num: 132

Candidate Starts for Giroux_4:

(Start: 132 @2830 has 323 MA's), (245, 3097), (367, 3460),

Gene: Gladiator_8 Start: 4655, Stop: 5353, Start Num: 144

Candidate Starts for Gladiator_8:
(Start: 144 @4655 has 42 MA's), (310, 5159), (369, 5345),

Gene: Goose_5 Start: 2818, Stop: 3465, Start Num: 132
Candidate Starts for Goose_5:
(Start: 132 @2818 has 323 MA's), (172, 2905), (222, 2995), (262, 3127), (271, 3178), (272, 3181),
(280, 3217), (368, 3451),

Gene: GreedyLawyer_8 Start: 4661, Stop: 5359, Start Num: 144
Candidate Starts for GreedyLawyer_8:
(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Greely_137 Start: 80266, Stop: 80874, Start Num: 188
Candidate Starts for Greely_137:
(Start: 188 @80266 has 2 MA's), (222, 80377), (223, 80380), (251, 80479), (267, 80527), (288, 80608),
(331, 80707), (368, 80857),

Gene: Gretellyn_33 Start: 29878, Stop: 30933, Start Num: 37
Candidate Starts for Gretellyn_33:
(Start: 37 @29878 has 25 MA's), (59, 29992), (70, 30034), (84, 30088), (90, 30103), (114, 30166),
(136, 30226), (178, 30328), (202, 30391), (247, 30562), (330, 30796),

Gene: Grif_5 Start: 2719, Stop: 3351, Start Num: 132
Candidate Starts for Grif_5:
(Start: 132 @2719 has 323 MA's), (224, 2902), (225, 2905), (227, 2932),

Gene: Groundhog_4 Start: 3349, Stop: 4008, Start Num: 153
Candidate Starts for Groundhog_4:
(Start: 153 @3349 has 12 MA's), (177, 3406), (200, 3448), (330, 3865),

Gene: Groupthink_6 Start: 2888, Stop: 3538, Start Num: 132
Candidate Starts for Groupthink_6:
(Start: 132 @2888 has 323 MA's), (203, 2996), (224, 3071), (275, 3263),

Gene: Grum1_5 Start: 2629, Stop: 3261, Start Num: 132
Candidate Starts for Grum1_5:
(Start: 132 @2629 has 323 MA's), (224, 2812), (225, 2815), (227, 2842),

Gene: Gruunaga_8 Start: 4655, Stop: 5353, Start Num: 144
Candidate Starts for Gruunaga_8:
(Start: 144 @4655 has 42 MA's), (310, 5159), (369, 5345),

Gene: Guanica15_28 Start: 22542, Stop: 23603, Start Num: 32
Candidate Starts for Guanica15_28:
(Start: 32 @22542 has 91 MA's), (Start: 57 @22656 has 3 MA's), (88, 22770), (95, 22791), (129,
22878), (138, 22899), (141, 22905), (206, 23013), (222, 23073), (248, 23193), (249, 23199), (250,
23205), (269, 23295), (312, 23421), (317, 23436),

Gene: Guillaume_30 Start: 38118, Stop: 39020, Start Num: 61
Candidate Starts for Guillaume_30:
(Start: 61 @38118 has 34 MA's), (104, 38256), (112, 38274), (134, 38325), (155, 38373), (183, 38436),
(Start: 201 @38472 has 1 MA's), (244, 38640), (333, 38874), (339, 38892), (367, 38997),

Gene: Hail2Pitt_30 Start: 38595, Stop: 39497, Start Num: 61
Candidate Starts for Hail2Pitt_30:
(Start: 61 @38595 has 34 MA's), (104, 38733), (134, 38802), (155, 38850), (183, 38913), (Start: 201 @38949 has 1 MA's), (204, 38958), (244, 39117), (333, 39351), (339, 39369), (367, 39474),

Gene: HamSlice_4 Start: 2723, Stop: 3385, Start Num: 132
Candidate Starts for HamSlice_4:
(Start: 132 @2723 has 323 MA's), (203, 2828), (290, 3140), (292, 3143), (368, 3368),

Gene: Hammer_8 Start: 4655, Stop: 5353, Start Num: 144
Candidate Starts for Hammer_8:
(Start: 144 @4655 has 42 MA's), (220, 4856), (310, 5159), (369, 5345),

Gene: Hammy_27 Start: 23691, Stop: 24695, Start Num: 32
Candidate Starts for Hammy_27:
(Start: 32 @23691 has 91 MA's), (109, 23976), (133, 24033), (208, 24165), (216, 24192), (245, 24306), (292, 24459), (330, 24552), (331, 24555), (347, 24618), (358, 24630),

Gene: Hanray_7 Start: 5230, Stop: 5901, Start Num: 132
Candidate Starts for Hanray_7:
(Start: 132 @5230 has 323 MA's), (222, 5404), (227, 5440), (292, 5653), (347, 5824),

Gene: Happiness_5 Start: 2724, Stop: 3389, Start Num: 132
Candidate Starts for Happiness_5:
(Start: 132 @2724 has 323 MA's), (222, 2901), (245, 2991), (278, 3117), (368, 3372),

Gene: Harambe_30 Start: 38385, Stop: 39287, Start Num: 61
Candidate Starts for Harambe_30:
(Start: 61 @38385 has 34 MA's), (104, 38523), (134, 38592), (155, 38640), (183, 38703), (Start: 201 @38739 has 1 MA's), (244, 38907), (333, 39141), (339, 39159), (367, 39264),

Gene: HashRod_6 Start: 2720, Stop: 3352, Start Num: 132
Candidate Starts for HashRod_6:
(Start: 132 @2720 has 323 MA's), (224, 2903), (225, 2906), (227, 2933),

Gene: HaveUMetTed_6 Start: 2888, Stop: 3538, Start Num: 132
Candidate Starts for HaveUMetTed_6:
(Start: 132 @2888 has 323 MA's), (203, 2996), (224, 3071), (275, 3263),

Gene: Heathen_5 Start: 2661, Stop: 3311, Start Num: 132
Candidate Starts for Heathen_5:
(Start: 132 @2661 has 323 MA's), (224, 2844), (275, 3036), (316, 3156),

Gene: HedwigODU_28 Start: 23325, Stop: 24338, Start Num: 32
Candidate Starts for HedwigODU_28:
(3, 22881), (14, 23028), (24, 23280), (Start: 32 @23325 has 91 MA's), (Start: 57 @23436 has 3 MA's), (88, 23550), (133, 23667), (Start: 153 @23709 has 12 MA's), (158, 23721), (Start: 201 @23775 has 1 MA's), (222, 23853), (246, 23949), (253, 23961), (263, 23991), (267, 24000), (298, 24114), (330, 24183),

Gene: Heffalump_9 Start: 5602, Stop: 6279, Start Num: 130
Candidate Starts for Heffalump_9:

(Start: 130 @5602 has 2 MA's), (223, 5782), (243, 5860), (265, 5917), (319, 6112), (337, 6151), (344, 6181), (350, 6211),

Gene: HelDan_5 Start: 2913, Stop: 3563, Start Num: 132

Candidate Starts for HelDan_5:

(Start: 132 @2913 has 323 MA's), (224, 3096), (275, 3288), (316, 3408),

Gene: Heliosoles_5 Start: 2888, Stop: 3538, Start Num: 132

Candidate Starts for Heliosoles_5:

(Start: 132 @2888 has 323 MA's), (203, 2996), (224, 3071), (227, 3101), (275, 3263),

Gene: Hello_30 Start: 38347, Stop: 39249, Start Num: 61

Candidate Starts for Hello_30:

(Start: 61 @38347 has 34 MA's), (104, 38485), (134, 38554), (155, 38602), (183, 38665), (Start: 201 @38701 has 1 MA's), (244, 38869), (339, 39121), (367, 39226),

Gene: Helmet_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for Helmet_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Hercules11_5 Start: 2638, Stop: 3273, Start Num: 132

Candidate Starts for Hercules11_5:

(Start: 132 @2638 has 323 MA's), (227, 2851),

Gene: Hexamo_8 Start: 4616, Stop: 5314, Start Num: 144

Candidate Starts for Hexamo_8:

(Start: 144 @4616 has 42 MA's), (310, 5120), (369, 5306),

Gene: Horex_7 Start: 5230, Stop: 5901, Start Num: 132

Candidate Starts for Horex_7:

(Start: 132 @5230 has 323 MA's), (222, 5404), (227, 5440), (292, 5653), (347, 5824),

Gene: Holli_5 Start: 2515, Stop: 3177, Start Num: 132

Candidate Starts for Holli_5:

(Start: 132 @2515 has 323 MA's), (203, 2620), (290, 2932), (292, 2935), (368, 3160),

Gene: Homura_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for Homura_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (Start: 57 @23467 has 3 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (253, 23992), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Hookmount_5 Start: 2764, Stop: 3423, Start Num: 166

Candidate Starts for Hookmount_5:

(Start: 166 @2764 has 14 MA's), (173, 2785), (197, 2851), (222, 2941), (227, 2977), (304, 3223), (341, 3310),

Gene: Hoot_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for Hoot_8:

(Start: 144 @4661 has 42 MA's), (273, 5057), (310, 5165), (369, 5351),

Gene: HortumSL17_8 Start: 5239, Stop: 5868, Start Num: 132

Candidate Starts for HortumSL17_8:

(Start: 132 @5239 has 323 MA's), (151, 5278), (224, 5419), (227, 5449), (236, 5464),

Gene: Houdini22_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Houdini22_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: HuhtaEnerson15_5 Start: 3603, Stop: 4265, Start Num: 132

Candidate Starts for HuhtaEnerson15_5:

(Start: 132 @3603 has 323 MA's), (137, 3615), (146, 3639), (154, 3654), (162, 3669), (213, 3744),
(246, 3873), (319, 4095),

Gene: Hurricane_28 Start: 23950, Stop: 24975, Start Num: 34

Candidate Starts for Hurricane_28:

(1, 23398), (2, 23464), (4, 23527), (6, 23560), (10, 23602), (15, 23761), (17, 23860), (22, 23917),
(Start: 34 @23950 has 54 MA's), (60, 24073), (62, 24082), (71, 24109), (83, 24157), (88, 24169), (95,
24190), (115, 24241), (126, 24271), (210, 24424), (216, 24445), (232, 24517), (242, 24553), (247,
24568), (265, 24610), (267, 24616), (290, 24706), (326, 24805), (327, 24808), (354, 24907), (368,
24958),

Gene: Hutc2_8 Start: 5413, Stop: 6075, Start Num: 132

Candidate Starts for Hutc2_8:

(Start: 132 @5413 has 323 MA's), (162, 5479), (213, 5554), (319, 5905), (337, 5950),

Gene: Huxley_5 Start: 2806, Stop: 3474, Start Num: 132

Candidate Starts for Huxley_5:

(Start: 132 @2806 has 323 MA's), (162, 2872), (267, 3130), (292, 3226),

Gene: Hyperbowlee_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for Hyperbowlee_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (Start: 57 @23467 has 3 MA's), (88, 23581),
(133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222,
23884), (246, 23980), (253, 23992), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: ICleared_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for ICleared_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Iceman_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Iceman_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Idleandcovert_4 Start: 2830, Stop: 3480, Start Num: 132

Candidate Starts for Idleandcovert_4:

(Start: 132 @2830 has 323 MA's), (245, 3097), (367, 3460),

Gene: Illumine_28 Start: 23339, Stop: 24352, Start Num: 32

Candidate Starts for Illumine_28:

(Start: 32 @23339 has 91 MA's), (Start: 57 @23450 has 3 MA's), (59, 23459), (88, 23564), (124,
23660), (133, 23681), (Start: 153 @23723 has 12 MA's), (158, 23735), (Start: 201 @23789 has 1
MA's), (222, 23867), (246, 23963), (253, 23975), (267, 24014), (298, 24128), (330, 24197), (360,
24293),

Gene: Indra_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for Indra_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Inky_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for Inky_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Insomnia_8 Start: 5410, Stop: 6072, Start Num: 132

Candidate Starts for Insomnia_8:

(Start: 132 @5410 has 323 MA's), (162, 5476), (213, 5551), (241, 5662), (319, 5902), (337, 5947),

Gene: Iracema64_5 Start: 2722, Stop: 3387, Start Num: 132

Candidate Starts for Iracema64_5:

(Start: 132 @2722 has 323 MA's), (169, 2803), (197, 2809), (245, 2989), (278, 3115),

Gene: IronMan_8 Start: 5076, Stop: 5738, Start Num: 132

Candidate Starts for IronMan_8:

(Start: 132 @5076 has 323 MA's), (169, 5157), (203, 5181), (292, 5490),

Gene: Isca_5 Start: 2750, Stop: 3385, Start Num: 132

Candidate Starts for Isca_5:

(Start: 132 @2750 has 323 MA's), (224, 2933), (227, 2963), (254, 3041), (267, 3074),

Gene: Isiphiwo_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for Isiphiwo_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: JAWS_28 Start: 23310, Stop: 24323, Start Num: 32

Candidate Starts for JAWS_28:

(3, 22866), (24, 23265), (Start: 32 @23310 has 91 MA's), (Start: 57 @23421 has 3 MA's), (88, 23535), (133, 23652), (Start: 153 @23694 has 12 MA's), (158, 23706), (Start: 201 @23760 has 1 MA's), (222, 23838), (246, 23934), (263, 23976), (267, 23985), (298, 24099), (330, 24168),

Gene: JF1_29 Start: 24585, Stop: 25589, Start Num: 34

Candidate Starts for JF1_29:

(Start: 34 @24585 has 54 MA's), (45, 24654), (74, 24753), (86, 24798), (87, 24804), (107, 24858), (110, 24867), (125, 24903), (143, 24948), (154, 24969), (Start: 157 @24975 has 1 MA's), (158, 24978), (222, 25110), (223, 25113), (260, 25236), (267, 25257), (358, 25524),

Gene: JF2_5 Start: 2514, Stop: 3149, Start Num: 132

Candidate Starts for JF2_5:

(Start: 132 @2514 has 323 MA's), (224, 2697), (227, 2727), (254, 2805), (267, 2838),

Gene: JF4_5 Start: 2514, Stop: 3149, Start Num: 132

Candidate Starts for JF4_5:

(Start: 132 @2514 has 323 MA's), (224, 2697), (227, 2727), (254, 2805), (267, 2838),

Gene: JHC117_5 Start: 2629, Stop: 3264, Start Num: 132

Candidate Starts for JHC117_5:

(Start: 132 @2629 has 323 MA's), (227, 2842),

Gene: JSwag_8 Start: 4403, Stop: 5071, Start Num: 160
Candidate Starts for JSwag_8:
(Start: 160 @4403 has 9 MA's), (239, 4643), (260, 4709), (300, 4835),

Gene: Jaan_8 Start: 5072, Stop: 5734, Start Num: 132
Candidate Starts for Jaan_8:
(Start: 132 @5072 has 323 MA's), (169, 5153), (245, 5339), (278, 5465), (368, 5717),

Gene: Jabith_8 Start: 5410, Stop: 6072, Start Num: 132
Candidate Starts for Jabith_8:
(Start: 132 @5410 has 323 MA's), (162, 5476), (213, 5551), (241, 5662), (319, 5902), (337, 5947),

Gene: Jace_24 Start: 20590, Stop: 21267, Start Num: 153
Candidate Starts for Jace_24:
(Start: 153 @20590 has 12 MA's), (156, 20599), (169, 20623), (180, 20644), (219, 20767), (246, 20878), (251, 20884), (291, 21013),

Gene: Jalebi_32 Start: 30054, Stop: 31103, Start Num: 37
Candidate Starts for Jalebi_32:
(Start: 37 @30054 has 25 MA's), (59, 30168), (64, 30189), (84, 30264), (90, 30279), (114, 30342), (136, 30402), (178, 30504), (202, 30567), (247, 30738), (330, 30966),

Gene: Jams_30 Start: 37556, Stop: 38458, Start Num: 61
Candidate Starts for Jams_30:
(Start: 61 @37556 has 34 MA's), (104, 37694), (134, 37763), (155, 37811), (183, 37874), (Start: 201 @37910 has 1 MA's), (244, 38078), (339, 38330), (367, 38435),

Gene: Jarvi_28 Start: 23356, Stop: 24369, Start Num: 32
Candidate Starts for Jarvi_28:
(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Jayhawk_28 Start: 23323, Stop: 24336, Start Num: 32
Candidate Starts for Jayhawk_28:
(3, 22879), (14, 23026), (24, 23278), (Start: 32 @23323 has 91 MA's), (Start: 57 @23434 has 3 MA's), (88, 23548), (133, 23665), (Start: 153 @23707 has 12 MA's), (158, 23719), (Start: 201 @23773 has 1 MA's), (222, 23851), (246, 23947), (253, 23959), (263, 23989), (267, 23998), (298, 24112), (330, 24181),

Gene: Jaykayelowell_5 Start: 2721, Stop: 3383, Start Num: 132
Candidate Starts for Jaykayelowell_5:
(Start: 132 @2721 has 323 MA's), (203, 2826), (290, 3138), (292, 3141), (368, 3366),

Gene: Jeckyll_28 Start: 23356, Stop: 24369, Start Num: 32
Candidate Starts for Jeckyll_28:
(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Jeeves_32 Start: 23861, Stop: 24529, Start Num: 159
Candidate Starts for Jeeves_32:

(128, 23789), (Start: 159 @23861 has 8 MA's), (222, 24044), (253, 24152), (257, 24164), (281, 24272), (367, 24509),

Gene: Jeffabunny_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for Jeffabunny_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Jellybones_33 Start: 37898, Stop: 38800, Start Num: 61

Candidate Starts for Jellybones_33:

(Start: 61 @37898 has 34 MA's), (119, 38066), (134, 38102), (143, 38117), (151, 38132), (155, 38144), (Start: 201 @38243 has 1 MA's), (223, 38324), (237, 38378), (312, 38615), (360, 38741), (368, 38783),

Gene: JenCasNa_5 Start: 2629, Stop: 3264, Start Num: 132

Candidate Starts for JenCasNa_5:

(Start: 132 @2629 has 323 MA's), (227, 2842),

Gene: JeppNRM_6 Start: 2888, Stop: 3535, Start Num: 132

Candidate Starts for JeppNRM_6:

(Start: 132 @2888 has 323 MA's), (203, 2996), (224, 3071), (229, 3104),

Gene: JetBlade_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for JetBlade_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: JewelBug_8 Start: 4662, Stop: 5360, Start Num: 144

Candidate Starts for JewelBug_8:

(Start: 144 @4662 has 42 MA's), (310, 5166), (369, 5352),

Gene: Jiawan_7 Start: 5230, Stop: 5901, Start Num: 132

Candidate Starts for Jiawan_7:

(Start: 132 @5230 has 323 MA's), (222, 5404), (227, 5440), (292, 5653), (347, 5824),

Gene: Jobu08_5 Start: 2962, Stop: 3621, Start Num: 132

Candidate Starts for Jobu08_5:

(Start: 132 @2962 has 323 MA's), (172, 3049), (210, 3091), (224, 3145), (231, 3184), (245, 3229),

Gene: John316_33 Start: 37851, Stop: 38753, Start Num: 61

Candidate Starts for John316_33:

(Start: 61 @37851 has 34 MA's), (104, 37986), (119, 38019), (134, 38055), (143, 38070), (151, 38085), (155, 38097), (Start: 201 @38196 has 1 MA's), (223, 38277), (237, 38331), (312, 38568), (360, 38694), (368, 38736),

Gene: JoongJeon_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for JoongJeon_5:

(Start: 132 @2722 has 323 MA's), (290, 3139), (292, 3142), (368, 3367),

Gene: Jordennis_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for Jordennis_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Jormungandr_30 Start: 38100, Stop: 39002, Start Num: 61

Candidate Starts for Jormungandr_30:

(Start: 61 @38100 has 34 MA's), (104, 38238), (134, 38307), (155, 38355), (183, 38418), (Start: 201 @38454 has 1 MA's), (244, 38622), (333, 38856), (339, 38874), (367, 38979),

Gene: Joselito_8 Start: 5410, Stop: 6072, Start Num: 132

Candidate Starts for Joselito_8:

(Start: 132 @5410 has 323 MA's), (162, 5476), (213, 5551), (241, 5662), (319, 5902),

Gene: Joy99_28 Start: 23285, Stop: 24298, Start Num: 32

Candidate Starts for Joy99_28:

(3, 22841), (24, 23240), (Start: 32 @23285 has 91 MA's), (88, 23510), (133, 23627), (Start: 153 @23669 has 12 MA's), (158, 23681), (Start: 201 @23735 has 1 MA's), (222, 23813), (246, 23909), (263, 23951), (267, 23960), (298, 24074), (330, 24143),

Gene: Jsquared_31 Start: 23470, Stop: 24069, Start Num: 181

Candidate Starts for Jsquared_31:

(Start: 181 @23470 has 3 MA's), (194, 23503), (204, 23521), (222, 23590), (242, 23674), (257, 23710), (285, 23827), (351, 23998),

Gene: KADY_6 Start: 2720, Stop: 3352, Start Num: 132

Candidate Starts for KADY_6:

(Start: 132 @2720 has 323 MA's), (224, 2903), (225, 2906), (227, 2933),

Gene: KFPoly_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for KFPoly_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Kabluna_48 Start: 35054, Stop: 36109, Start Num: 30

Candidate Starts for Kabluna_48:

(20, 34991), (Start: 30 @35054 has 7 MA's), (80, 35267), (Start: 152 @35450 has 1 MA's), (253, 35738), (367, 36083),

Gene: Kachowdy_5 Start: 2913, Stop: 3563, Start Num: 132

Candidate Starts for Kachowdy_5:

(Start: 132 @2913 has 323 MA's), (224, 3096), (275, 3288), (316, 3408),

Gene: Kalb97_6 Start: 2886, Stop: 3536, Start Num: 132

Candidate Starts for Kalb97_6:

(Start: 132 @2886 has 323 MA's), (203, 2994), (224, 3069), (275, 3261),

Gene: Kalnoky_6 Start: 2888, Stop: 3538, Start Num: 132

Candidate Starts for Kalnoky_6:

(Start: 132 @2888 has 323 MA's), (203, 2996), (224, 3071), (275, 3263),

Gene: Kalpine_8 Start: 5367, Stop: 6047, Start Num: 132

Candidate Starts for Kalpine_8:

(Start: 132 @5367 has 323 MA's), (223, 5547), (333, 5910),

Gene: Kampy_5 Start: 2723, Stop: 3385, Start Num: 132

Candidate Starts for Kampy_5:

(Start: 132 @2723 has 323 MA's), (203, 2828), (290, 3140), (292, 3143), (368, 3368),

Gene: Kaseim_31 Start: 37541, Stop: 38443, Start Num: 61

Candidate Starts for Kaseim_31:

(Start: 61 @37541 has 34 MA's), (104, 37679), (134, 37748), (155, 37796), (183, 37859), (Start: 201 @37895 has 1 MA's), (244, 38063), (339, 38315), (367, 38420),

Gene: Katalie136_5 Start: 2733, Stop: 3395, Start Num: 132
Candidate Starts for Katalie136_5:
(Start: 132 @2733 has 323 MA's), (203, 2838), (292, 3153),

Gene: Kazan_8 Start: 4661, Stop: 5365, Start Num: 144
Candidate Starts for Kazan_8:
(Start: 144 @4661 has 42 MA's), (310, 5171), (369, 5357),

Gene: Kerberos_35 Start: 24412, Stop: 25083, Start Num: 161
Candidate Starts for Kerberos_35:
(Start: 161 @24412 has 21 MA's), (197, 24502), (204, 24523), (222, 24592), (227, 24628), (242, 24676), (323, 24916), (327, 24919), (356, 25018), (363, 25033),

Gene: Keshu_28 Start: 23942, Stop: 24964, Start Num: 34
Candidate Starts for Keshu_28:
(15, 23753), (17, 23852), (22, 23909), (Start: 34 @23942 has 54 MA's), (68, 24092), (83, 24149), (115, 24233), (126, 24263), (216, 24434), (223, 24464), (265, 24599), (288, 24692), (290, 24695), (297, 24716), (326, 24794), (344, 24863), (352, 24893),

Gene: KiSi_27 Start: 22512, Stop: 23480, Start Num: 33
Candidate Starts for KiSi_27:
(Start: 33 @22512 has 7 MA's), (71, 22674), (73, 22680), (79, 22701), (80, 22707), (92, 22749), (109, 22794), (126, 22836), (133, 22851), (Start: 201 @22959 has 1 MA's), (224, 23043), (320, 23319),

Gene: Kimona_29 Start: 22444, Stop: 23019, Start Num: 186
Candidate Starts for Kimona_29:
(147, 22342), (Start: 186 @22444 has 2 MA's), (193, 22459), (196, 22468), (222, 22552), (227, 22588), (252, 22654), (253, 22660), (349, 22954),

Gene: Kingmustik0402_5 Start: 2714, Stop: 3376, Start Num: 132
Candidate Starts for Kingmustik0402_5:
(Start: 132 @2714 has 323 MA's), (203, 2819), (290, 3131), (292, 3134), (368, 3359),

Gene: Kinmap_33 Start: 24255, Stop: 24890, Start Num: 159
Candidate Starts for Kinmap_33:
(Start: 159 @24255 has 8 MA's), (285, 24669), (307, 24723),

Gene: Kipper29_8 Start: 4661, Stop: 5359, Start Num: 144
Candidate Starts for Kipper29_8:
(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Koan_4 Start: 2722, Stop: 3384, Start Num: 132
Candidate Starts for Koan_4:
(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Koduck_32 Start: 23597, Stop: 24238, Start Num: 168
Candidate Starts for Koduck_32:
(Start: 159 @23579 has 8 MA's), (Start: 161 @23582 has 21 MA's), (168, 23597), (204, 23696), (227, 23801), (257, 23885), (292, 24011), (304, 24041),

Gene: Koko_8 Start: 4661, Stop: 5359, Start Num: 144
Candidate Starts for Koko_8:
(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Koreni_5 Start: 2722, Stop: 3393, Start Num: 132
Candidate Starts for Koreni_5:
(Start: 132 @2722 has 323 MA's), (271, 3082),

Gene: Kratark_5 Start: 2722, Stop: 3384, Start Num: 132
Candidate Starts for Kratark_5:
(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Kraw_30 Start: 24509, Stop: 25513, Start Num: 34
Candidate Starts for Kraw_30:
(Start: 34 @24509 has 54 MA's), (45, 24578), (74, 24677), (86, 24722), (87, 24728), (107, 24782),
(110, 24791), (125, 24827), (143, 24872), (154, 24893), (Start: 157 @24899 has 1 MA's), (158, 24902),
(222, 25034), (223, 25037), (260, 25160), (267, 25181), (358, 25448),

Gene: Kremtemulon_5 Start: 2722, Stop: 3387, Start Num: 132
Candidate Starts for Kremtemulon_5:
(Start: 132 @2722 has 323 MA's), (169, 2803), (197, 2809), (245, 2989), (278, 3115),

Gene: Kristoff_6 Start: 3001, Stop: 3648, Start Num: 132
Candidate Starts for Kristoff_6:
(Start: 132 @3001 has 323 MA's), (203, 3109), (222, 3178), (245, 3268), (271, 3361),

Gene: Krueger_28 Start: 22638, Stop: 23633, Start Num: 34
Candidate Starts for Krueger_28:
(17, 22548), (Start: 34 @22638 has 54 MA's), (54, 22737), (Start: 57 @22743 has 3 MA's), (98, 22893),
(133, 22974), (143, 22998), (222, 23160), (223, 23163), (244, 23247), (262, 23292), (359, 23571),
(364, 23592), (367, 23610),

Gene: Kyee_5 Start: 2722, Stop: 3384, Start Num: 132
Candidate Starts for Kyee_5:
(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: L5_32 Start: 23536, Stop: 24198, Start Num: 161
Candidate Starts for L5_32:
(Start: 161 @23536 has 21 MA's), (168, 23551), (185, 23608), (204, 23656), (227, 23761), (257,
23845), (292, 23971), (304, 24001),

Gene: LBerry_5 Start: 2629, Stop: 3264, Start Num: 132
Candidate Starts for LBerry_5:
(Start: 132 @2629 has 323 MA's), (227, 2842),

Gene: LHTSCC_5 Start: 2722, Stop: 3387, Start Num: 132
Candidate Starts for LHTSCC_5:
(Start: 132 @2722 has 323 MA's), (222, 2899), (245, 2989), (278, 3115),

Gene: Lahirium_30 Start: 38622, Stop: 39524, Start Num: 61
Candidate Starts for Lahirium_30:
(Start: 61 @38622 has 34 MA's), (104, 38760), (134, 38829), (155, 38877), (183, 38940), (Start: 201
@38976 has 1 MA's), (244, 39144), (333, 39378), (339, 39396), (367, 39501),

Gene: Lambert1_5 Start: 2764, Stop: 3423, Start Num: 166

Candidate Starts for Lambert1_5:

(Start: 166 @2764 has 14 MA's), (173, 2785), (197, 2851), (222, 2941), (227, 2977), (304, 3223), (341, 3310),

Gene: Lambo_33 Start: 29541, Stop: 30587, Start Num: 37

Candidate Starts for Lambo_33:

(Start: 37 @29541 has 25 MA's), (59, 29655), (64, 29676), (84, 29751), (90, 29766), (171, 29964), (193, 30030), (197, 30042), (217, 30111), (260, 30252),

Gene: Landor_8 Start: 5074, Stop: 5736, Start Num: 132

Candidate Starts for Landor_8:

(Start: 132 @5074 has 323 MA's), (169, 5155), (203, 5179), (245, 5335), (278, 5461), (292, 5488),

Gene: LappelDuVide_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for LappelDuVide_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: LarryKay_5 Start: 2720, Stop: 3352, Start Num: 132

Candidate Starts for LarryKay_5:

(Start: 132 @2720 has 323 MA's), (224, 2903), (225, 2906), (227, 2933),

Gene: LastHope_28 Start: 22491, Stop: 23498, Start Num: 34

Candidate Starts for LastHope_28:

(Start: 34 @22491 has 54 MA's), (88, 22710), (95, 22731), (116, 22785), (133, 22827), (162, 22887), (Start: 201 @22935 has 1 MA's), (215, 22983), (222, 23013), (246, 23109), (253, 23121), (267, 23160), (320, 23331), (330, 23343),

Gene: LastResort_8 Start: 4403, Stop: 5071, Start Num: 160

Candidate Starts for LastResort_8:

(Start: 160 @4403 has 9 MA's), (239, 4643), (260, 4709), (300, 4835),

Gene: LaterM_28 Start: 23256, Stop: 24269, Start Num: 32

Candidate Starts for LaterM_28:

(Start: 32 @23256 has 91 MA's), (Start: 57 @23367 has 3 MA's), (88, 23481), (133, 23598), (Start: 153 @23640 has 12 MA's), (158, 23652), (Start: 201 @23706 has 1 MA's), (222, 23784), (246, 23880), (253, 23892), (267, 23931), (283, 24012), (298, 24045), (330, 24114), (360, 24210),

Gene: LeMond_27 Start: 22583, Stop: 23551, Start Num: 33

Candidate Starts for LeMond_27:

(Start: 33 @22583 has 7 MA's), (62, 22718), (71, 22745), (73, 22751), (79, 22772), (80, 22778), (92, 22820), (109, 22865), (126, 22907), (133, 22922), (Start: 201 @23030 has 1 MA's), (224, 23114), (320, 23390),

Gene: Lemur_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Lemur_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: LeoAvram_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for LeoAvram_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Leogania_8 Start: 5401, Stop: 6051, Start Num: 132
Candidate Starts for Leogania_8:
(Start: 132 @5401 has 323 MA's), (164, 5473), (222, 5578), (233, 5626), (333, 5917),

Gene: Lidong_30 Start: 38356, Stop: 39258, Start Num: 61
Candidate Starts for Lidong_30:
(Start: 61 @38356 has 34 MA's), (104, 38494), (134, 38563), (155, 38611), (183, 38674), (Start: 201 @38710 has 1 MA's), (244, 38878), (339, 39130), (367, 39235),

Gene: LilPharaoh_24 Start: 22900, Stop: 23907, Start Num: 34
Candidate Starts for LilPharaoh_24:
(23, 22849), (27, 22861), (Start: 34 @22900 has 54 MA's), (42, 22960), (62, 23032), (79, 23086), (83, 23107), (133, 23236), (154, 23281), (155, 23284), (199, 23341), (Start: 201 @23344 has 1 MA's), (214, 23389), (223, 23425), (246, 23521), (253, 23533), (290, 23653), (339, 23785),

Gene: Lila22_32 Start: 29496, Stop: 30542, Start Num: 37
Candidate Starts for Lila22_32:
(Start: 37 @29496 has 25 MA's), (59, 29610), (64, 29631), (84, 29706), (90, 29721), (114, 29784), (178, 29946), (260, 30207),

Gene: Lilbunny_8 Start: 4661, Stop: 5359, Start Num: 144
Candidate Starts for Lilbunny_8:
(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Lilith_5 Start: 2891, Stop: 3550, Start Num: 132
Candidate Starts for Lilith_5:
(Start: 132 @2891 has 323 MA's), (224, 3074), (229, 3107), (253, 3176), (367, 3530),

Gene: Lilleskat_6 Start: 5239, Stop: 5868, Start Num: 132
Candidate Starts for Lilleskat_6:
(Start: 132 @5239 has 323 MA's), (151, 5278), (224, 5419), (227, 5449), (236, 5464),

Gene: LindNT_28 Start: 23290, Stop: 24303, Start Num: 32
Candidate Starts for LindNT_28:
(24, 23245), (Start: 32 @23290 has 91 MA's), (Start: 57 @23401 has 3 MA's), (88, 23515), (133, 23632), (Start: 153 @23674 has 12 MA's), (158, 23686), (Start: 201 @23740 has 1 MA's), (222, 23818), (242, 23902), (246, 23914), (253, 23926), (267, 23965), (360, 24244),

Gene: LittleB_5 Start: 2722, Stop: 3384, Start Num: 132
Candidate Starts for LittleB_5:
(Start: 132 @2722 has 323 MA's), (154, 2773), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: LittleCherry_5 Start: 3604, Stop: 4266, Start Num: 132
Candidate Starts for LittleCherry_5:
(Start: 132 @3604 has 323 MA's), (137, 3616), (146, 3640), (154, 3655), (162, 3670), (213, 3745), (246, 3874), (319, 4096),

Gene: LittleGuy_5 Start: 2722, Stop: 3384, Start Num: 132
Candidate Starts for LittleGuy_5:
(Start: 132 @2722 has 323 MA's), (203, 2827), (292, 3142), (368, 3367),

Gene: Llorens_28 Start: 23356, Stop: 24369, Start Num: 32
Candidate Starts for Llorens_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: LochMonster_5 Start: 2720, Stop: 3385, Start Num: 132

Candidate Starts for LochMonster_5:

(Start: 132 @2720 has 323 MA's), (169, 2801), (197, 2807), (245, 2987), (278, 3113),

Gene: Lokk_9 Start: 5386, Stop: 6063, Start Num: 132

Candidate Starts for Lokk_9:

(Start: 132 @5386 has 323 MA's), (146, 5422), (223, 5566), (247, 5662), (267, 5710), (290, 5800), (299, 5827),

Gene: LoneWolf_8 Start: 4997, Stop: 5665, Start Num: 132

Candidate Starts for LoneWolf_8:

(Start: 132 @4997 has 323 MA's), (223, 5171), (227, 5204), (277, 5387), (337, 5528), (347, 5588),

Gene: Lorenzo_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Lorenzo_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Loser_8 Start: 5253, Stop: 5897, Start Num: 132

Candidate Starts for Loser_8:

(Start: 132 @5253 has 323 MA's), (223, 5433), (238, 5484),

Gene: Louie6_5 Start: 2720, Stop: 3352, Start Num: 132

Candidate Starts for Louie6_5:

(Start: 132 @2720 has 323 MA's), (224, 2903), (225, 2906), (227, 2933), (348, 3287),

Gene: Lucivia_8 Start: 5407, Stop: 6069, Start Num: 132

Candidate Starts for Lucivia_8:

(Start: 132 @5407 has 323 MA's), (162, 5473), (213, 5548), (241, 5659), (319, 5899), (337, 5944),

Gene: LugYA_7 Start: 2629, Stop: 3264, Start Num: 132

Candidate Starts for LugYA_7:

(Start: 132 @2629 has 323 MA's), (227, 2842),

Gene: Luker_31 Start: 38575, Stop: 39477, Start Num: 61

Candidate Starts for Luker_31:

(Start: 61 @38575 has 34 MA's), (104, 38713), (134, 38782), (155, 38830), (183, 38893), (Start: 201 @38929 has 1 MA's), (244, 39097), (333, 39331), (339, 39349), (367, 39454),

Gene: Lunahalos_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for Lunahalos_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Lunsford_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Lunsford_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: MA5_5 Start: 2468, Stop: 3118, Start Num: 132

Candidate Starts for MA5_5:

(Start: 132 @2468 has 323 MA's), (224, 2651), (275, 2843),

Gene: MK4_5 Start: 2748, Stop: 3383, Start Num: 132

Candidate Starts for MK4_5:

(Start: 132 @2748 has 323 MA's), (224, 2931), (227, 2961), (254, 3039), (267, 3072),

Gene: MaCh_8 Start: 5407, Stop: 6069, Start Num: 132

Candidate Starts for MaCh_8:

(Start: 132 @5407 has 323 MA's), (162, 5473), (213, 5548), (241, 5659), (319, 5899),

Gene: Mabel_8 Start: 5422, Stop: 6084, Start Num: 132

Candidate Starts for Mabel_8:

(Start: 132 @5422 has 323 MA's), (162, 5488), (213, 5563), (241, 5674), (319, 5914), (337, 5959),

Gene: MacKat_29 Start: 23675, Stop: 24346, Start Num: 133

Candidate Starts for MacKat_29:

(3, 22889), (24, 23288), (Start: 32 @23333 has 91 MA's), (Start: 57 @23444 has 3 MA's), (88, 23558), (133, 23675), (Start: 153 @23717 has 12 MA's), (158, 23729), (Start: 201 @23783 has 1 MA's), (222, 23861), (242, 23945), (246, 23957), (253, 23969), (263, 23999), (267, 24008), (298, 24122), (330, 24191),

Gene: MacnCheese_29 Start: 24319, Stop: 25308, Start Num: 34

Candidate Starts for MacnCheese_29:

(17, 24199), (22, 24256), (Start: 34 @24319 has 54 MA's), (40, 24352), (62, 24448), (65, 24454), (84, 24526), (143, 24676), (154, 24697), (187, 24724), (223, 24841), (242, 24919), (246, 24931), (247, 24934), (346, 25231),

Gene: Maco6_23 Start: 20985, Stop: 22013, Start Num: 38

Candidate Starts for Maco6_23:

(Start: 38 @20985 has 3 MA's), (59, 21075), (78, 21144), (80, 21153), (106, 21231), (Start: 132 @21294 has 323 MA's), (133, 21297), (190, 21441), (203, 21477), (217, 21528), (227, 21585), (305, 21825), (351, 21951),

Gene: MajorMajor_31 Start: 23397, Stop: 23996, Start Num: 181

Candidate Starts for MajorMajor_31:

(Start: 181 @23397 has 3 MA's), (194, 23430), (204, 23448), (222, 23517), (242, 23601), (257, 23637), (285, 23754), (351, 23925),

Gene: Malec_33 Start: 25107, Stop: 25760, Start Num: 159

Candidate Starts for Malec_33:

(128, 25035), (Start: 159 @25107 has 8 MA's), (175, 25149), (227, 25326), (246, 25386), (247, 25389), (257, 25410), (268, 25443), (285, 25527), (336, 25641), (362, 25707),

Gene: Malinsilva_7 Start: 2890, Stop: 3549, Start Num: 132

Candidate Starts for Malinsilva_7:

(Start: 132 @2890 has 323 MA's), (224, 3073), (229, 3106), (253, 3175), (367, 3529),

Gene: Malthus_30 Start: 24509, Stop: 25513, Start Num: 34

Candidate Starts for Malthus_30:

(Start: 34 @24509 has 54 MA's), (45, 24578), (74, 24677), (86, 24722), (87, 24728), (107, 24782), (110, 24791), (125, 24827), (143, 24872), (154, 24893), (Start: 157 @24899 has 1 MA's), (158, 24902), (222, 25034), (223, 25037), (260, 25160), (267, 25181), (321, 25352), (358, 25448),

Gene: Maminiaina_8 Start: 4988, Stop: 5638, Start Num: 132

Candidate Starts for Maminiaina_8:

(Start: 132 @4988 has 323 MA's), (223, 5165), (227, 5198), (290, 5402), (331, 5498),

Gene: Manu_6 Start: 2888, Stop: 3538, Start Num: 132

Candidate Starts for Manu_6:

(Start: 132 @2888 has 323 MA's), (203, 2996), (224, 3071), (275, 3263),

Gene: MarQuardt_5 Start: 2899, Stop: 3558, Start Num: 132

Candidate Starts for MarQuardt_5:

(Start: 132 @2899 has 323 MA's), (224, 3082), (229, 3115), (253, 3184), (367, 3538),

Gene: Marchesa_5 Start: 2913, Stop: 3563, Start Num: 132

Candidate Starts for Marchesa_5:

(Start: 132 @2913 has 323 MA's), (224, 3096), (275, 3288), (316, 3408),

Gene: Marcoliusprime_25 Start: 21282, Stop: 22277, Start Num: 34

Candidate Starts for Marcoliusprime_25:

(15, 21099), (17, 21198), (Start: 34 @21282 has 54 MA's), (48, 21363), (54, 21387), (71, 21447), (86, 21501), (88, 21507), (126, 21609), (127, 21612), (150, 21660), (Start: 153 @21666 has 12 MA's), (193, 21708), (Start: 201 @21732 has 1 MA's), (224, 21816), (245, 21900), (267, 21957), (367, 22254),

Gene: Margo_5 Start: 2764, Stop: 3441, Start Num: 132

Candidate Starts for Margo_5:

(Start: 132 @2764 has 323 MA's), (222, 2941), (227, 2977), (266, 3085), (347, 3364),

Gene: Marie_5 Start: 2629, Stop: 3264, Start Num: 132

Candidate Starts for Marie_5:

(Start: 132 @2629 has 323 MA's), (227, 2842),

Gene: Marietta_47 Start: 33564, Stop: 34148, Start Num: 201

Candidate Starts for Marietta_47:

(Start: 201 @33564 has 1 MA's), (204, 33573), (222, 33642), (223, 33645), (242, 33729), (264, 33780), (296, 33882), (325, 33966), (330, 33975), (331, 33978),

Gene: Marius_6 Start: 2888, Stop: 3538, Start Num: 132

Candidate Starts for Marius_6:

(Start: 132 @2888 has 323 MA's), (203, 2996), (224, 3071), (275, 3263),

Gene: MarkPhew_28 Start: 22462, Stop: 23448, Start Num: 33

Candidate Starts for MarkPhew_28:

(Start: 33 @22462 has 7 MA's), (56, 22567), (73, 22630), (79, 22651), (80, 22657), (83, 22672), (92, 22699), (116, 22759), (126, 22786), (195, 22891), (223, 22990), (244, 23074), (260, 23113), (309, 23263), (337, 23317), (343, 23332),

Gene: Marshawn_29 Start: 23145, Stop: 24104, Start Num: 34

Candidate Starts for Marshawn_29:

(Start: 34 @23145 has 54 MA's), (39, 23175), (69, 23301), (74, 23316), (83, 23355), (92, 23382), (129, 23475), (133, 23484), (Start: 153 @23526 has 12 MA's), (Start: 201 @23592 has 1 MA's), (222, 23670), (223, 23673), (247, 23766), (286, 23874), (302, 23910),

Gene: MarysWell_4 Start: 3572, Stop: 4234, Start Num: 132

Candidate Starts for MarysWell_4:

(Start: 132 @3572 has 323 MA's), (146, 3608), (154, 3623), (162, 3638), (213, 3713), (246, 3842), (319, 4064),

Gene: Maselop_24 Start: 12653, Stop: 13330, Start Num: 148

Candidate Starts for Maselop_24:

(Start: 148 @12653 has 5 MA's), (180, 12731), (192, 12764), (Start: 201 @12788 has 1 MA's), (204, 12797), (218, 12848), (221, 12857), (256, 12983), (290, 13091), (368, 13307),

Gene: Maverick_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Maverick_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Maxo_5 Start: 2723, Stop: 3385, Start Num: 132

Candidate Starts for Maxo_5:

(Start: 132 @2723 has 323 MA's), (203, 2828), (290, 3140), (292, 3143), (368, 3368),

Gene: Mazhar510_5 Start: 2723, Stop: 3385, Start Num: 132

Candidate Starts for Mazhar510_5:

(Start: 132 @2723 has 323 MA's), (203, 2828), (290, 3140), (292, 3143), (368, 3368),

Gene: McFly_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for McFly_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: McMater_28 Start: 22728, Stop: 23693, Start Num: 32

Candidate Starts for McMater_28:

(Start: 32 @22728 has 91 MA's), (36, 22734), (68, 22887), (74, 22905), (79, 22923), (88, 22956), (100, 22998), (126, 23058), (133, 23073), (222, 23259), (223, 23262), (241, 23334), (267, 23403), (279, 23451), (286, 23466), (302, 23499), (317, 23538), (361, 23637),

Gene: Mdavu_24 Start: 22888, Stop: 23895, Start Num: 34

Candidate Starts for Mdavu_24:

(23, 22837), (27, 22849), (Start: 34 @22888 has 54 MA's), (42, 22948), (62, 23020), (79, 23074), (83, 23095), (133, 23224), (154, 23269), (155, 23272), (199, 23329), (Start: 201 @23332 has 1 MA's), (214, 23377), (223, 23413), (246, 23509), (253, 23521), (290, 23641), (339, 23773),

Gene: MeaningOfLife_28 Start: 23292, Stop: 24305, Start Num: 32

Candidate Starts for MeaningOfLife_28:

(3, 22848), (24, 23247), (Start: 32 @23292 has 91 MA's), (Start: 57 @23403 has 3 MA's), (86, 23511), (88, 23517), (133, 23634), (Start: 153 @23676 has 12 MA's), (158, 23688), (Start: 201 @23742 has 1 MA's), (222, 23820), (242, 23904), (246, 23916), (253, 23928), (267, 23967), (298, 24081), (330, 24150),

Gene: Medusa_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Medusa_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: MeeZee_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for MeeZee_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Megsy_28 Start: 23293, Stop: 24306, Start Num: 32

Candidate Starts for Megsy_28:

(3, 22849), (24, 23248), (Start: 32 @23293 has 91 MA's), (Start: 57 @23404 has 3 MA's), (88, 23518), (133, 23635), (Start: 153 @23677 has 12 MA's), (158, 23689), (Start: 201 @23743 has 1 MA's), (222, 23821), (242, 23905), (246, 23917), (253, 23929), (267, 23968), (360, 24247),

Gene: Melvin_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Melvin_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Methuselah_5 Start: 2720, Stop: 3352, Start Num: 132

Candidate Starts for Methuselah_5:

(Start: 132 @2720 has 323 MA's), (224, 2903), (225, 2906), (227, 2933),

Gene: Micasa_5 Start: 3572, Stop: 4234, Start Num: 132

Candidate Starts for Micasa_5:

(Start: 132 @3572 has 323 MA's), (137, 3584), (146, 3608), (154, 3623), (162, 3638), (213, 3713), (246, 3842), (319, 4064),

Gene: Microwolf_5 Start: 2899, Stop: 3558, Start Num: 132

Candidate Starts for Microwolf_5:

(Start: 132 @2899 has 323 MA's), (224, 3082), (229, 3115), (253, 3184), (367, 3538),

Gene: Midas2_5 Start: 3571, Stop: 4233, Start Num: 132

Candidate Starts for Midas2_5:

(Start: 132 @3571 has 323 MA's), (137, 3583), (146, 3607), (154, 3622), (162, 3637), (213, 3712), (246, 3841), (319, 4063),

Gene: Miko_9 Start: 5364, Stop: 6041, Start Num: 132

Candidate Starts for Miko_9:

(Start: 132 @5364 has 323 MA's), (146, 5400), (223, 5544), (247, 5640), (290, 5778), (299, 5805),

Gene: Milcery_5 Start: 3602, Stop: 4264, Start Num: 132

Candidate Starts for Milcery_5:

(Start: 132 @3602 has 323 MA's), (137, 3614), (146, 3638), (154, 3653), (162, 3668), (213, 3743), (246, 3872), (319, 4094),

Gene: Millski_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Millski_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Milly_25 Start: 21282, Stop: 22277, Start Num: 34

Candidate Starts for Milly_25:

(15, 21099), (17, 21198), (Start: 34 @21282 has 54 MA's), (48, 21363), (54, 21387), (71, 21447), (86, 21501), (88, 21507), (126, 21609), (127, 21612), (150, 21660), (Start: 153 @21666 has 12 MA's), (193, 21708), (Start: 201 @21732 has 1 MA's), (224, 21816), (245, 21900), (267, 21957), (367, 22254),

Gene: Minos_31 Start: 38098, Stop: 39000, Start Num: 61

Candidate Starts for Minos_31:

(Start: 61 @38098 has 34 MA's), (104, 38236), (134, 38305), (155, 38353), (183, 38416), (Start: 201 @38452 has 1 MA's), (244, 38620), (339, 38872), (367, 38977),

Gene: Miramae_5 Start: 2718, Stop: 3383, Start Num: 132

Candidate Starts for Miramae_5:

(Start: 132 @2718 has 323 MA's), (169, 2799), (245, 2985), (278, 3111),

Gene: Misomonster_7 Start: 2719, Stop: 3351, Start Num: 132

Candidate Starts for Misomonster_7:

(Start: 132 @2719 has 323 MA's), (224, 2902), (225, 2905), (227, 2932),

Gene: MissDaisy_29 Start: 24351, Stop: 25355, Start Num: 34

Candidate Starts for MissDaisy_29:

(Start: 34 @24351 has 54 MA's), (74, 24519), (86, 24564), (87, 24570), (107, 24624), (143, 24714), (154, 24735), (158, 24744), (222, 24876), (223, 24879), (260, 25002), (267, 25023), (358, 25290),

Gene: MissWhite_32 Start: 23704, Stop: 24357, Start Num: 159

Candidate Starts for MissWhite_32:

(Start: 159 @23704 has 8 MA's), (204, 23818), (222, 23887), (226, 23917), (227, 23923), (267, 24031), (307, 24172), (339, 24244),

Gene: Mitti_29 Start: 24509, Stop: 25513, Start Num: 34

Candidate Starts for Mitti_29:

(Start: 34 @24509 has 54 MA's), (74, 24677), (86, 24722), (87, 24728), (107, 24782), (143, 24872), (154, 24893), (158, 24902), (222, 25034), (223, 25037), (241, 25112), (267, 25181), (341, 25391),

Gene: ModicumRichard_26 Start: 23920, Stop: 24630, Start Num: 145

Candidate Starts for ModicumRichard_26:

(28, 23503), (85, 23758), (Start: 145 @23920 has 3 MA's), (154, 23935), (162, 23950), (239, 24202), (300, 24394),

Gene: MoiGyank_35 Start: 29924, Stop: 30973, Start Num: 37

Candidate Starts for MoiGyank_35:

(Start: 37 @29924 has 25 MA's), (48, 29999), (59, 30038), (64, 30059), (84, 30134), (90, 30149), (114, 30212), (136, 30272), (178, 30374), (202, 30437), (247, 30608), (330, 30836),

Gene: MoneyMay_5 Start: 2629, Stop: 3264, Start Num: 132

Candidate Starts for MoneyMay_5:

(Start: 132 @2629 has 323 MA's), (227, 2842),

Gene: Morpher26_5 Start: 2733, Stop: 3395, Start Num: 132

Candidate Starts for Morpher26_5:

(Start: 132 @2733 has 323 MA's), (203, 2838), (292, 3153),

Gene: Morrow_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Morrow_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: MrWormie_30 Start: 37259, Stop: 38161, Start Num: 61

Candidate Starts for MrWormie_30:

(Start: 61 @37259 has 34 MA's), (104, 37397), (134, 37466), (155, 37514), (183, 37577), (Start: 201 @37613 has 1 MA's), (244, 37781), (339, 38033), (367, 38138),

Gene: Msay19_34 Start: 38032, Stop: 38934, Start Num: 61

Candidate Starts for Msay19_34:

(Start: 61 @38032 has 34 MA's), (94, 38137), (104, 38167), (117, 38197), (124, 38209), (164, 38293), (183, 38341), (Start: 201 @38377 has 1 MA's), (223, 38458), (237, 38512), (266, 38602), (312, 38749), (368, 38917),

Gene: MuchMore_7 Start: 2890, Stop: 3549, Start Num: 132

Candidate Starts for MuchMore_7:

(Start: 132 @2890 has 323 MA's), (224, 3073), (227, 3103), (229, 3106), (253, 3175), (367, 3529),

Gene: Muddy_25 Start: 21935, Stop: 22960, Start Num: 38

Candidate Starts for Muddy_25:

(Start: 38 @21935 has 3 MA's), (59, 22025), (106, 22181), (Start: 132 @22244 has 323 MA's), (133, 22247), (190, 22391), (203, 22427), (217, 22478), (227, 22535), (292, 22733), (305, 22772), (351, 22898),

Gene: Mufasa_25 Start: 21302, Stop: 22327, Start Num: 34

Candidate Starts for Mufasa_25:

(17, 21218), (Start: 34 @21302 has 54 MA's), (54, 21407), (71, 21467), (86, 21521), (88, 21527), (120, 21608), (122, 21614), (126, 21629), (127, 21632), (224, 21836), (365, 22295),

Gene: Mulciber_8 Start: 5413, Stop: 6075, Start Num: 132

Candidate Starts for Mulciber_8:

(Start: 132 @5413 has 323 MA's), (162, 5479), (213, 5554), (319, 5905), (337, 5950),

Gene: Munch_8 Start: 5410, Stop: 6072, Start Num: 132

Candidate Starts for Munch_8:

(Start: 132 @5410 has 323 MA's), (162, 5476), (213, 5551), (241, 5662), (319, 5902),

Gene: Mundrea_5 Start: 2713, Stop: 3378, Start Num: 132

Candidate Starts for Mundrea_5:

(Start: 132 @2713 has 323 MA's), (169, 2794), (197, 2800), (222, 2890), (245, 2980), (278, 3106),

Gene: Murucutumbu_28 Start: 23275, Stop: 24288, Start Num: 32

Candidate Starts for Murucutumbu_28:

(Start: 32 @23275 has 91 MA's), (Start: 57 @23386 has 3 MA's), (88, 23500), (133, 23617), (Start: 153 @23659 has 12 MA's), (Start: 201 @23725 has 1 MA's), (222, 23803), (223, 23806), (246, 23899), (253, 23911), (260, 23929), (267, 23950), (298, 24064), (330, 24133), (360, 24229),

Gene: Mynx_28 Start: 23339, Stop: 24352, Start Num: 32

Candidate Starts for Mynx_28:

(3, 22895), (24, 23294), (Start: 32 @23339 has 91 MA's), (88, 23564), (133, 23681), (Start: 153 @23723 has 12 MA's), (158, 23735), (Start: 201 @23789 has 1 MA's), (222, 23867), (246, 23963), (253, 23975), (263, 24005), (267, 24014), (298, 24128), (330, 24197),

Gene: MyraDee_5 Start: 2390, Stop: 3028, Start Num: 131

Candidate Starts for MyraDee_5:

(Start: 131 @2390 has 1 MA's), (171, 2477), (198, 2486), (246, 2666),

Gene: Myrna_134 Start: 80964, Stop: 81575, Start Num: 188

Candidate Starts for Myrna_134:

(29, 80451), (Start: 188 @80964 has 2 MA's), (223, 81078), (240, 81147), (288, 81306), (290, 81309), (331, 81408), (345, 81474), (359, 81516), (368, 81558),

Gene: Myxus_8 Start: 5239, Stop: 5868, Start Num: 132

Candidate Starts for Myxus_8:

(Start: 132 @5239 has 323 MA's), (151, 5278), (224, 5419), (227, 5449), (236, 5464),

Gene: NadineRae_45 Start: 32686, Stop: 33396, Start Num: 139
Candidate Starts for NadineRae_45:
(Start: 139 @32686 has 1 MA's), (Start: 201 @32824 has 1 MA's), (258, 33025),

Gene: Naji_35 Start: 24412, Stop: 25083, Start Num: 161
Candidate Starts for Naji_35:
(Start: 161 @24412 has 21 MA's), (197, 24502), (204, 24523), (222, 24592), (227, 24628), (323, 24916), (327, 24919), (356, 25018), (363, 25033),

Gene: NearlyHeadless_5 Start: 3362, Stop: 4021, Start Num: 153
Candidate Starts for NearlyHeadless_5:
(Start: 153 @3362 has 12 MA's), (177, 3419), (Start: 186 @3428 has 2 MA's), (200, 3461),

Gene: Nebs_5 Start: 2722, Stop: 3384, Start Num: 132
Candidate Starts for Nebs_5:
(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (302, 3169), (368, 3367),

Gene: Nebulosus_8 Start: 4403, Stop: 5071, Start Num: 160
Candidate Starts for Nebulosus_8:
(Start: 160 @4403 has 9 MA's), (239, 4643), (260, 4709), (300, 4835),

Gene: Neeharika16_8 Start: 4661, Stop: 5359, Start Num: 144
Candidate Starts for Neeharika16_8:
(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Nemo27_5 Start: 2721, Stop: 3383, Start Num: 132
Candidate Starts for Nemo27_5:
(Start: 132 @2721 has 323 MA's), (203, 2826), (290, 3138), (292, 3141), (368, 3366),

Gene: Neoevie_30 Start: 38362, Stop: 39264, Start Num: 61
Candidate Starts for Neoevie_30:
(Start: 61 @38362 has 34 MA's), (104, 38500), (134, 38569), (155, 38617), (183, 38680), (Start: 201 @38716 has 1 MA's), (204, 38725), (244, 38884), (333, 39118), (339, 39136), (367, 39241),

Gene: Newrala_8 Start: 4661, Stop: 5359, Start Num: 144
Candidate Starts for Newrala_8:
(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Newt_31 Start: 38589, Stop: 39491, Start Num: 61
Candidate Starts for Newt_31:
(Start: 61 @38589 has 34 MA's), (104, 38727), (134, 38796), (155, 38844), (183, 38907), (Start: 201 @38943 has 1 MA's), (244, 39111), (339, 39363), (367, 39468),

Gene: Nibb_27 Start: 22603, Stop: 23589, Start Num: 33
Candidate Starts for Nibb_27:
(Start: 33 @22603 has 7 MA's), (56, 22708), (69, 22759), (73, 22771), (79, 22792), (80, 22798), (83, 22813), (92, 22840), (116, 22900), (126, 22927), (170, 23020), (195, 23032), (220, 23119), (223, 23131), (244, 23215), (260, 23254), (268, 23281), (290, 23350), (309, 23404),

Gene: NicoleTera_8 Start: 5250, Stop: 5927, Start Num: 130
Candidate Starts for NicoleTera_8:
(Start: 130 @5250 has 2 MA's), (142, 5280), (164, 5322), (222, 5427), (243, 5508), (266, 5568), (337, 5799),

Gene: Nikao_24 Start: 22900, Stop: 23907, Start Num: 34

Candidate Starts for Nikao_24:

(23, 22849), (27, 22861), (Start: 34 @22900 has 54 MA's), (42, 22960), (62, 23032), (79, 23086), (83, 23107), (133, 23236), (154, 23281), (155, 23284), (199, 23341), (Start: 201 @23344 has 1 MA's), (214, 23389), (223, 23425), (246, 23521), (253, 23533), (290, 23653), (339, 23785),

Gene: Niklas_28 Start: 22731, Stop: 23696, Start Num: 32

Candidate Starts for Niklas_28:

(Start: 32 @22731 has 91 MA's), (36, 22737), (68, 22890), (74, 22908), (79, 22926), (88, 22959), (100, 23001), (126, 23061), (133, 23076), (222, 23262), (223, 23265), (241, 23337), (267, 23406), (279, 23454), (286, 23469), (302, 23502), (317, 23541), (361, 23640),

Gene: Nimi13_30 Start: 38107, Stop: 39009, Start Num: 61

Candidate Starts for Nimi13_30:

(Start: 61 @38107 has 34 MA's), (104, 38245), (134, 38314), (155, 38362), (183, 38425), (Start: 201 @38461 has 1 MA's), (204, 38470), (244, 38629), (333, 38863), (339, 38881), (367, 38986),

Gene: Noella_5 Start: 2764, Stop: 3423, Start Num: 166

Candidate Starts for Noella_5:

(Start: 166 @2764 has 14 MA's), (173, 2785), (197, 2851), (222, 2941), (227, 2977), (304, 3223), (341, 3310),

Gene: Noelle_5 Start: 2787, Stop: 3449, Start Num: 132

Candidate Starts for Noelle_5:

(Start: 132 @2787 has 323 MA's), (203, 2892), (290, 3204), (292, 3207), (368, 3432),

Gene: NorManre_34 Start: 29125, Stop: 30174, Start Num: 37

Candidate Starts for NorManre_34:

(Start: 37 @29125 has 25 MA's), (48, 29200), (59, 29239), (64, 29260), (84, 29335), (90, 29350), (114, 29413), (202, 29638), (247, 29809), (330, 30037), (344, 30082),

Gene: Norbert_4 Start: 2764, Stop: 3423, Start Num: 166

Candidate Starts for Norbert_4:

(Start: 166 @2764 has 14 MA's), (173, 2785), (197, 2851), (222, 2941), (227, 2977), (304, 3223), (341, 3310),

Gene: NorthStar_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for NorthStar_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: NosilaM_48 Start: 35951, Stop: 37006, Start Num: 30

Candidate Starts for NosilaM_48:

(Start: 30 @35951 has 7 MA's), (80, 36164), (Start: 152 @36347 has 1 MA's), (253, 36635), (367, 36980),

Gene: NotAPhaseMom_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for NotAPhaseMom_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: NothingSpecial_7 Start: 5206, Stop: 5850, Start Num: 132

Candidate Starts for NothingSpecial_7:

(Start: 132 @5206 has 323 MA's), (142, 5230), (164, 5278), (229, 5422), (301, 5650),

Gene: NovaSharks_32 Start: 27111, Stop: 28208, Start Num: 37

Candidate Starts for NovaSharks_32:

(Start: 37 @27111 has 25 MA's), (59, 27225), (86, 27318), (101, 27351), (103, 27354), (105, 27357), (114, 27378), (120, 27390), (136, 27438), (165, 27501), (183, 27555), (211, 27651), (221, 27693), (279, 27927), (296, 27966), (322, 28053), (370, 28200),

Gene: November_27 Start: 23730, Stop: 24632, Start Num: 52

Candidate Starts for November_27:

(9, 23256), (25, 23592), (Start: 32 @23628 has 91 MA's), (52, 23730), (83, 23841), (95, 23874), (133, 23970), (216, 24129), (245, 24243), (292, 24396), (330, 24489),

Gene: Nutello_24 Start: 22900, Stop: 23907, Start Num: 34

Candidate Starts for Nutello_24:

(23, 22849), (27, 22861), (Start: 34 @22900 has 54 MA's), (42, 22960), (62, 23032), (79, 23086), (83, 23107), (133, 23236), (154, 23281), (155, 23284), (199, 23341), (Start: 201 @23344 has 1 MA's), (214, 23389), (223, 23425), (246, 23521), (253, 23533), (290, 23653), (339, 23785),

Gene: Nyceirae_31 Start: 26839, Stop: 27909, Start Num: 35

Candidate Starts for Nyceirae_31:

(Start: 35 @26839 has 1 MA's), (48, 26920), (54, 26944), (82, 27049), (102, 27106), (111, 27127), (Start: 130 @27175 has 2 MA's), (182, 27301), (Start: 201 @27352 has 1 MA's), (217, 27409), (221, 27424), (253, 27541),

Gene: Nyxis_5 Start: 2725, Stop: 3387, Start Num: 132

Candidate Starts for Nyxis_5:

(Start: 132 @2725 has 323 MA's), (203, 2830), (292, 3145), (368, 3370),

Gene: OKaNui_5 Start: 2487, Stop: 3149, Start Num: 132

Candidate Starts for OKaNui_5:

(Start: 132 @2487 has 323 MA's), (203, 2592), (290, 2904), (292, 2907), (368, 3132),

Gene: ObLaDi_26 Start: 23899, Stop: 24609, Start Num: 145

Candidate Starts for ObLaDi_26:

(28, 23482), (85, 23737), (Start: 145 @23899 has 3 MA's), (154, 23914), (162, 23929), (239, 24181), (300, 24373),

Gene: Obama12_5 Start: 2724, Stop: 3389, Start Num: 132

Candidate Starts for Obama12_5:

(Start: 132 @2724 has 323 MA's), (222, 2901), (245, 2991), (278, 3117),

Gene: Odin_31 Start: 23199, Stop: 23798, Start Num: 181

Candidate Starts for Odin_31:

(Start: 181 @23199 has 3 MA's), (194, 23232), (222, 23319), (257, 23439), (285, 23556),

Gene: Ohfah_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Ohfah_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: OlanP_5 Start: 3068, Stop: 3718, Start Num: 132

Candidate Starts for OlanP_5:

(Start: 132 @3068 has 323 MA's), (203, 3176), (224, 3251), (275, 3443),

Gene: Ollie_5 Start: 2809, Stop: 3468, Start Num: 132

Candidate Starts for Ollie_5:

(Start: 132 @2809 has 323 MA's), (172, 2896), (210, 2938), (224, 2992), (245, 3076), (253, 3094),

Gene: OmniCritical_29 Start: 24494, Stop: 25498, Start Num: 34

Candidate Starts for OmniCritical_29:

(Start: 34 @24494 has 54 MA's), (74, 24662), (86, 24707), (87, 24713), (107, 24767), (110, 24776), (143, 24857), (154, 24878), (Start: 157 @24884 has 1 MA's), (158, 24887), (222, 25019), (223, 25022), (260, 25145), (341, 25376),

Gene: Onglai_7 Start: 3560, Stop: 4231, Start Num: 132

Candidate Starts for Onglai_7:

(Start: 132 @3560 has 323 MA's), (222, 3734), (227, 3770), (292, 3983), (347, 4154),

Gene: Orange_8 Start: 5410, Stop: 6072, Start Num: 132

Candidate Starts for Orange_8:

(Start: 132 @5410 has 323 MA's), (162, 5476), (213, 5551), (241, 5662), (319, 5902), (337, 5947),

Gene: Oscar_27 Start: 22584, Stop: 23552, Start Num: 33

Candidate Starts for Oscar_27:

(Start: 33 @22584 has 7 MA's), (71, 22746), (73, 22752), (79, 22773), (80, 22779), (92, 22821), (109, 22866), (126, 22908), (133, 22923), (Start: 201 @23031 has 1 MA's), (224, 23115), (320, 23391),

Gene: OtterstedtS21_33 Start: 29200, Stop: 30249, Start Num: 37

Candidate Starts for OtterstedtS21_33:

(Start: 37 @29200 has 25 MA's), (59, 29314), (70, 29356), (84, 29410), (90, 29425), (114, 29488), (136, 29548), (178, 29650), (202, 29713), (247, 29884), (330, 30112),

Gene: Outis_46 Start: 35932, Stop: 36987, Start Num: 30

Candidate Starts for Outis_46:

(20, 35869), (Start: 30 @35932 has 7 MA's), (80, 36145), (138, 36304), (Start: 152 @36328 has 1 MA's), (253, 36616), (355, 36916), (367, 36961),

Gene: P28Green_5 Start: 2630, Stop: 3265, Start Num: 132

Candidate Starts for P28Green_5:

(Start: 132 @2630 has 323 MA's), (227, 2843),

Gene: PGHhamlin_7 Start: 2890, Stop: 3549, Start Num: 132

Candidate Starts for PGHhamlin_7:

(Start: 132 @2890 has 323 MA's), (224, 3073), (229, 3106), (253, 3175), (367, 3529),

Gene: PackMan_8 Start: 5239, Stop: 5868, Start Num: 132

Candidate Starts for PackMan_8:

(Start: 132 @5239 has 323 MA's), (151, 5278), (224, 5419), (227, 5449), (236, 5464),

Gene: Padfoot_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for Padfoot_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (Start: 57 @23467 has 3 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (253, 23992), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Padpat_28 Start: 23316, Stop: 24329, Start Num: 32

Candidate Starts for Padpat_28:

(3, 22872), (24, 23271), (Start: 32 @23316 has 91 MA's), (88, 23541), (133, 23658), (Start: 153 @23700 has 12 MA's), (158, 23712), (Start: 201 @23766 has 1 MA's), (222, 23844), (246, 23940), (253, 23952), (263, 23982), (267, 23991), (298, 24105), (330, 24174),

Gene: Palestino_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Palestino_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Panamaxus_5 Start: 2764, Stop: 3423, Start Num: 166

Candidate Starts for Panamaxus_5:

(Start: 166 @2764 has 14 MA's), (173, 2785), (197, 2851), (222, 2941), (227, 2977), (304, 3223), (341, 3310),

Gene: ParvusTarda_33 Start: 28670, Stop: 29716, Start Num: 37

Candidate Starts for ParvusTarda_33:

(Start: 37 @28670 has 25 MA's), (59, 28784), (64, 28805), (84, 28880), (90, 28895), (114, 28958), (178, 29120), (247, 29354),

Gene: Patos_34 Start: 29125, Stop: 30174, Start Num: 37

Candidate Starts for Patos_34:

(Start: 37 @29125 has 25 MA's), (48, 29200), (59, 29239), (64, 29260), (84, 29335), (90, 29350), (114, 29413), (202, 29638), (247, 29809), (330, 30037), (344, 30082),

Gene: Patt_29 Start: 24327, Stop: 25331, Start Num: 34

Candidate Starts for Patt_29:

(Start: 34 @24327 has 54 MA's), (74, 24495), (86, 24540), (87, 24546), (107, 24600), (143, 24690), (154, 24711), (158, 24720), (222, 24852), (223, 24855), (265, 24993), (276, 25062),

Gene: Pawn_5 Start: 2888, Stop: 3538, Start Num: 132

Candidate Starts for Pawn_5:

(Start: 132 @2888 has 323 MA's), (203, 2996), (224, 3071), (275, 3263),

Gene: Peaches_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Peaches_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Peanam_28 Start: 22728, Stop: 23693, Start Num: 32

Candidate Starts for Peanam_28:

(Start: 32 @22728 has 91 MA's), (36, 22734), (68, 22887), (74, 22905), (79, 22923), (88, 22956), (100, 22998), (126, 23058), (133, 23073), (158, 23127), (222, 23259), (223, 23262), (241, 23334), (267, 23403), (279, 23451), (286, 23466), (302, 23499), (317, 23538), (361, 23637),

Gene: Peel_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for Peel_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Pembroke_5 Start: 2890, Stop: 3558, Start Num: 132

Candidate Starts for Pembroke_5:

(Start: 132 @2890 has 323 MA's), (224, 3073), (229, 3106), (253, 3175), (367, 3538),

Gene: Penny1_5 Start: 2629, Stop: 3264, Start Num: 132

Candidate Starts for Penny1_5:
(Start: 132 @2629 has 323 MA's), (227, 2842),

Gene: Perplexer_5 Start: 2733, Stop: 3395, Start Num: 132
Candidate Starts for Perplexer_5:
(Start: 132 @2733 has 323 MA's), (203, 2838), (292, 3153),

Gene: PeterPeter_5 Start: 2722, Stop: 3384, Start Num: 132
Candidate Starts for PeterPeter_5:
(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Petersenfast_7 Start: 5413, Stop: 6075, Start Num: 132
Candidate Starts for Petersenfast_7:
(Start: 132 @5413 has 323 MA's), (162, 5479), (213, 5554), (241, 5665), (319, 5905), (337, 5950),

Gene: PetiteSangsue_5 Start: 2733, Stop: 3395, Start Num: 132
Candidate Starts for PetiteSangsue_5:
(Start: 132 @2733 has 323 MA's), (203, 2838), (292, 3153),

Gene: Ph8s_33 Start: 23091, Stop: 23747, Start Num: 161
Candidate Starts for Ph8s_33:
(55, 22788), (Start: 161 @23091 has 21 MA's), (168, 23106), (196, 23181), (204, 23205), (210, 23226),
(222, 23274), (224, 23280), (227, 23310), (244, 23361), (257, 23394), (267, 23421), (269, 23454),
(292, 23520), (304, 23550), (308, 23568),

Gene: Phabba_139 Start: 79960, Stop: 80571, Start Num: 188
Candidate Starts for Phabba_139:
(29, 79447), (Start: 188 @79960 has 2 MA's), (223, 80074), (265, 80215), (267, 80221), (279, 80281),
(288, 80302), (290, 80305), (368, 80554),

Gene: Phacado_5 Start: 2721, Stop: 3383, Start Num: 132
Candidate Starts for Phacado_5:
(Start: 132 @2721 has 323 MA's), (203, 2826), (290, 3138), (292, 3141), (368, 3366),

Gene: Phaded_8 Start: 5071, Stop: 5733, Start Num: 132
Candidate Starts for Phaded_8:
(Start: 132 @5071 has 323 MA's), (169, 5152), (245, 5338), (278, 5464), (368, 5716),

Gene: Phaeder_8 Start: 5239, Stop: 5868, Start Num: 132
Candidate Starts for Phaeder_8:
(Start: 132 @5239 has 323 MA's), (151, 5278), (224, 5419), (227, 5449), (236, 5464),

Gene: Phantastic_5 Start: 2835, Stop: 3479, Start Num: 132
Candidate Starts for Phantastic_5:
(Start: 132 @2835 has 323 MA's), (154, 2886), (171, 2919), (224, 3018), (267, 3159), (314, 3324),

Gene: Pharb_27 Start: 23529, Stop: 24596, Start Num: 31
Candidate Starts for Pharb_27:
(Start: 31 @23529 has 1 MA's), (40, 23565), (41, 23568), (Start: 57 @23634 has 3 MA's), (62, 23661),
(77, 23709), (83, 23736), (88, 23748), (95, 23769), (122, 23835), (158, 23919), (182, 23976), (183,
23979), (222, 24111), (223, 24114), (228, 24147), (236, 24162), (266, 24255), (286, 24345),

Gene: Phayeta_34 Start: 32624, Stop: 33289, Start Num: 157

Candidate Starts for Phayeta_34:

(Start: 157 @32624 has 1 MA's), (163, 32636), (174, 32660), (191, 32708), (193, 32714), (195, 32720), (197, 32726), (205, 32750), (224, 32825), (227, 32855), (246, 32915), (253, 32927), (260, 32945), (281, 33044), (282, 33047), (329, 33152), (332, 33158), (340, 33176), (366, 33263),

Gene: Phelipe_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Phelipe_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: PhelpsODU_28 Start: 22720, Stop: 23781, Start Num: 34

Candidate Starts for PhelpsODU_28:

(17, 22630), (22, 22687), (Start: 34 @22720 has 54 MA's), (54, 22819), (83, 22927), (88, 22939), (95, 22960), (133, 23056), (183, 23170), (199, 23221), (228, 23338), (303, 23581), (307, 23599), (330, 23638),

Gene: Phighter1804_5 Start: 2721, Stop: 3386, Start Num: 132

Candidate Starts for Phighter1804_5:

(Start: 132 @2721 has 323 MA's), (169, 2802), (197, 2808), (245, 2988), (278, 3114),

Gene: Phillis_5 Start: 3347, Stop: 4006, Start Num: 153

Candidate Starts for Phillis_5:

(Start: 153 @3347 has 12 MA's), (177, 3404), (200, 3446), (330, 3863),

Gene: PhishRPhriends_5 Start: 2400, Stop: 3035, Start Num: 132

Candidate Starts for PhishRPhriends_5:

(Start: 132 @2400 has 323 MA's), (219, 2565), (221, 2571), (227, 2613), (253, 2685), (261, 2706), (292, 2808),

Gene: Phlei_5 Start: 5021, Stop: 5680, Start Num: 134

Candidate Starts for Phlei_5:

(134, 5021),

Gene: Phoebe_5 Start: 2629, Stop: 3264, Start Num: 132

Candidate Starts for Phoebe_5:

(Start: 132 @2629 has 323 MA's), (227, 2842),

Gene: Phonnegut_8 Start: 5227, Stop: 5898, Start Num: 132

Candidate Starts for Phonnegut_8:

(Start: 132 @5227 has 323 MA's), (222, 5401), (227, 5437), (292, 5650), (347, 5821),

Gene: Phontbonne_5 Start: 2720, Stop: 3382, Start Num: 132

Candidate Starts for Phontbonne_5:

(Start: 132 @2720 has 323 MA's), (203, 2825), (292, 3140), (368, 3365),

Gene: Phoxy_5 Start: 2720, Stop: 3352, Start Num: 132

Candidate Starts for Phoxy_5:

(Start: 132 @2720 has 323 MA's), (224, 2903), (225, 2906), (227, 2933),

Gene: Phrank_28 Start: 22670, Stop: 23731, Start Num: 34

Candidate Starts for Phrank_28:

(Start: 34 @22670 has 54 MA's), (49, 22748), (50, 22751), (54, 22769), (83, 22877), (92, 22904), (95, 22910), (133, 23006), (138, 23018), (183, 23120), (199, 23171), (228, 23288), (303, 23531), (307, 23549), (330, 23588),

Gene: Phranny_6 Start: 2888, Stop: 3535, Start Num: 132
Candidate Starts for Phranny_6:
(Start: 132 @2888 has 323 MA's), (203, 2996), (224, 3071), (229, 3104),

Gene: Piatt_28 Start: 23356, Stop: 24369, Start Num: 32
Candidate Starts for Piatt_28:
(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (Start: 57 @23467 has 3 MA's), (88, 23581),
(133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222,
23884), (246, 23980), (253, 23992), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Pioneer_8 Start: 5227, Stop: 5898, Start Num: 132
Candidate Starts for Pioneer_8:
(Start: 132 @5227 has 323 MA's), (222, 5401), (227, 5437), (292, 5650), (347, 5821),

Gene: Pipcraft_5 Start: 2722, Stop: 3384, Start Num: 132
Candidate Starts for Pipcraft_5:
(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Pistachio_5 Start: 2377, Stop: 3027, Start Num: 132
Candidate Starts for Pistachio_5:
(Start: 132 @2377 has 323 MA's), (245, 2644), (367, 3007),

Gene: Pixie_28 Start: 23724, Stop: 24788, Start Num: 34
Candidate Starts for Pixie_28:
(1, 23172), (2, 23238), (4, 23301), (5, 23313), (6, 23334), (10, 23376), (15, 23535), (17, 23634), (22,
23691), (Start: 34 @23724 has 54 MA's), (62, 23856), (65, 23862), (83, 23931), (86, 23937), (107,
23997), (116, 24018), (123, 24033), (Start: 157 @24111 has 1 MA's), (222, 24303), (228, 24339), (242,
24387), (260, 24429), (296, 24555),

Gene: Pmask_8 Start: 4661, Stop: 5359, Start Num: 144
Candidate Starts for Pmask_8:
(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Pocahontas_5 Start: 2764, Stop: 3423, Start Num: 166
Candidate Starts for Pocahontas_5:
(Start: 166 @2764 has 14 MA's), (173, 2785), (197, 2851), (222, 2941), (227, 2977), (304, 3223), (341,
3310),

Gene: Pokerus_27 Start: 23273, Stop: 24286, Start Num: 32
Candidate Starts for Pokerus_27:
(3, 22829), (24, 23228), (Start: 32 @23273 has 91 MA's), (Start: 57 @23384 has 3 MA's), (88, 23498),
(133, 23615), (Start: 153 @23657 has 12 MA's), (158, 23669), (Start: 201 @23723 has 1 MA's), (222,
23801), (246, 23897), (253, 23909), (263, 23939), (267, 23948), (298, 24062), (330, 24131),

Gene: Poland_34 Start: 38011, Stop: 38913, Start Num: 61
Candidate Starts for Poland_34:
(Start: 61 @38011 has 34 MA's), (94, 38116), (104, 38146), (117, 38176), (124, 38188), (164, 38272),
(183, 38320), (Start: 201 @38356 has 1 MA's), (223, 38437), (237, 38491), (266, 38581), (312, 38728),
(368, 38896),

Gene: Polymorphads_5 Start: 2722, Stop: 3384, Start Num: 132
Candidate Starts for Polymorphads_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Polyuyki_24 Start: 12645, Stop: 13322, Start Num: 148

Candidate Starts for Polyuyki_24:

(Start: 148 @12645 has 5 MA's), (180, 12723), (192, 12756), (Start: 201 @12780 has 1 MA's), (204, 12789), (218, 12840), (221, 12849), (256, 12975), (290, 13083), (368, 13299),

Gene: Pomar16_35 Start: 24453, Stop: 25124, Start Num: 161

Candidate Starts for Pomar16_35:

(Start: 161 @24453 has 21 MA's), (197, 24543), (204, 24564), (222, 24633), (227, 24669), (242, 24717), (323, 24957), (327, 24960), (356, 25059), (363, 25074),

Gene: Popcicle_5 Start: 2764, Stop: 3423, Start Num: 166

Candidate Starts for Popcicle_5:

(Start: 166 @2764 has 14 MA's), (173, 2785), (197, 2851), (222, 2941), (227, 2977), (304, 3223), (341, 3310),

Gene: PotatoSplit_6 Start: 2629, Stop: 3264, Start Num: 132

Candidate Starts for PotatoSplit_6:

(Start: 132 @2629 has 323 MA's), (227, 2842),

Gene: Priamo_8 Start: 4676, Stop: 5344, Start Num: 144

Candidate Starts for Priamo_8:

(Start: 144 @4676 has 42 MA's), (283, 5087), (310, 5150), (369, 5336),

Gene: Prithvi_28 Start: 23290, Stop: 24303, Start Num: 32

Candidate Starts for Prithvi_28:

(24, 23245), (Start: 32 @23290 has 91 MA's), (Start: 57 @23401 has 3 MA's), (88, 23515), (133, 23632), (Start: 153 @23674 has 12 MA's), (158, 23686), (Start: 201 @23740 has 1 MA's), (222, 23818), (242, 23902), (246, 23914), (253, 23926), (267, 23965), (360, 24244),

Gene: Priya_8 Start: 5225, Stop: 5896, Start Num: 132

Candidate Starts for Priya_8:

(Start: 132 @5225 has 323 MA's), (227, 5435), (253, 5507), (292, 5648), (333, 5741), (347, 5819), (367, 5873),

Gene: Pukovnik_8 Start: 5014, Stop: 5685, Start Num: 132

Candidate Starts for Pukovnik_8:

(Start: 132 @5014 has 323 MA's), (222, 5188), (227, 5224), (267, 5335), (317, 5515),

Gene: Pumbaa_5 Start: 2720, Stop: 3385, Start Num: 132

Candidate Starts for Pumbaa_5:

(Start: 132 @2720 has 323 MA's), (169, 2801), (197, 2807), (245, 2987), (278, 3113),

Gene: Pupper_126 Start: 83200, Stop: 84090, Start Num: 46

Candidate Starts for Pupper_126:

(Start: 46 @83200 has 4 MA's), (Start: 157 @83473 has 1 MA's), (267, 83770), (285, 83839), (330, 83935),

Gene: Puppy_5 Start: 2449, Stop: 3099, Start Num: 132

Candidate Starts for Puppy_5:

(Start: 132 @2449 has 323 MA's), (224, 2632), (245, 2716),

Gene: PurpleHaze_5 Start: 2887, Stop: 3537, Start Num: 132
Candidate Starts for PurpleHaze_5:
(Start: 132 @2887 has 323 MA's), (203, 2995), (224, 3070), (275, 3262),

Gene: Qobbit_8 Start: 5224, Stop: 5895, Start Num: 132
Candidate Starts for Qobbit_8:
(Start: 132 @5224 has 323 MA's), (222, 5398), (227, 5434), (292, 5647), (347, 5818), (367, 5872),

Gene: QuincyRose_27 Start: 23336, Stop: 24349, Start Num: 32
Candidate Starts for QuincyRose_27:
(3, 22892), (24, 23291), (Start: 32 @23336 has 91 MA's), (Start: 57 @23447 has 3 MA's), (88, 23561),
(133, 23678), (Start: 153 @23720 has 12 MA's), (158, 23732), (196, 23771), (Start: 201 @23786 has 1
MA's), (222, 23864), (242, 23948), (246, 23960), (253, 23972), (267, 24011), (298, 24125), (330,
24194),

Gene: QuinnKiro_4 Start: 2764, Stop: 3423, Start Num: 166
Candidate Starts for QuinnKiro_4:
(Start: 166 @2764 has 14 MA's), (173, 2785), (197, 2851), (222, 2941), (227, 2977), (304, 3223), (341,
3310),

Gene: Quokka_30 Start: 23397, Stop: 23996, Start Num: 181
Candidate Starts for Quokka_30:
(Start: 181 @23397 has 3 MA's), (194, 23430), (204, 23448), (222, 23517), (242, 23601), (257, 23637),
(285, 23754), (351, 23925),

Gene: Rachaly_9 Start: 5384, Stop: 6061, Start Num: 132
Candidate Starts for Rachaly_9:
(Start: 132 @5384 has 323 MA's), (146, 5420), (223, 5564), (247, 5660), (267, 5708), (290, 5798),
(299, 5825),

Gene: Rahalelujah_31 Start: 23978, Stop: 24619, Start Num: 159
Candidate Starts for Rahalelujah_31:
(128, 23906), (Start: 159 @23978 has 8 MA's), (210, 24113), (222, 24161), (285, 24392), (367, 24599),

Gene: Ramen_28 Start: 23322, Stop: 24335, Start Num: 32
Candidate Starts for Ramen_28:
(3, 22878), (24, 23277), (Start: 32 @23322 has 91 MA's), (Start: 57 @23433 has 3 MA's), (88, 23547),
(133, 23664), (Start: 153 @23706 has 12 MA's), (158, 23718), (Start: 201 @23772 has 1 MA's), (222,
23850), (246, 23946), (263, 23988), (267, 23997), (298, 24111), (330, 24180),

Gene: Ranch_33 Start: 28024, Stop: 29073, Start Num: 37
Candidate Starts for Ranch_33:
(Start: 37 @28024 has 25 MA's), (59, 28138), (70, 28180), (84, 28234), (90, 28249), (114, 28312),
(202, 28537), (247, 28708), (330, 28936), (344, 28981),

Gene: Rapunzel97_28 Start: 23323, Stop: 24336, Start Num: 32
Candidate Starts for Rapunzel97_28:
(3, 22879), (14, 23026), (24, 23278), (Start: 32 @23323 has 91 MA's), (Start: 57 @23434 has 3 MA's),
(88, 23548), (133, 23665), (Start: 153 @23707 has 12 MA's), (158, 23719), (Start: 201 @23773 has 1
MA's), (222, 23851), (246, 23947), (253, 23959), (263, 23989), (267, 23998), (298, 24112), (330,
24181),

Gene: RazorC_31 Start: 27503, Stop: 28600, Start Num: 37

Candidate Starts for RazorC_31:

(Start: 37 @27503 has 25 MA's), (59, 27617), (86, 27710), (101, 27743), (103, 27746), (105, 27749), (114, 27770), (120, 27782), (136, 27830), (165, 27893), (183, 27947), (211, 28043), (221, 28085), (279, 28319), (296, 28358), (322, 28445), (370, 28592),

Gene: ReMo_8 Start: 4403, Stop: 5071, Start Num: 160

Candidate Starts for ReMo_8:

(Start: 160 @4403 has 9 MA's), (239, 4643), (260, 4709), (300, 4835),

Gene: Reba_6 Start: 2561, Stop: 3208, Start Num: 132

Candidate Starts for Reba_6:

(Start: 132 @2561 has 323 MA's), (203, 2669), (224, 2744), (229, 2777),

Gene: Rebeuca_6 Start: 3002, Stop: 3649, Start Num: 132

Candidate Starts for Rebeuca_6:

(Start: 132 @3002 has 323 MA's), (203, 3110), (222, 3179), (245, 3269), (271, 3362),

Gene: RedRock_8 Start: 5246, Stop: 5983, Start Num: 132

Candidate Starts for RedRock_8:

(Start: 132 @5246 has 323 MA's), (266, 5567), (302, 5717), (324, 5780),

Gene: Reindeer_30 Start: 26952, Stop: 28001, Start Num: 38

Candidate Starts for Reindeer_30:

(Start: 38 @26952 has 3 MA's), (44, 26988), (93, 27165), (118, 27228), (121, 27231), (133, 27270), (140, 27285), (163, 27336), (179, 27384), (205, 27453), (217, 27501), (222, 27522), (224, 27528), (227, 27558), (253, 27630), (292, 27765), (311, 27819), (334, 27870), (335, 27876), (344, 27909),

Gene: Relief_5 Start: 2723, Stop: 3385, Start Num: 132

Candidate Starts for Relief_5:

(Start: 132 @2723 has 323 MA's), (203, 2828), (266, 3044), (290, 3140), (292, 3143), (368, 3368),

Gene: Remus_8 Start: 4403, Stop: 5071, Start Num: 160

Candidate Starts for Remus_8:

(Start: 160 @4403 has 9 MA's), (239, 4643), (260, 4709), (300, 4835),

Gene: Reptar3000_29 Start: 24320, Stop: 25324, Start Num: 34

Candidate Starts for Reptar3000_29:

(Start: 34 @24320 has 54 MA's), (74, 24488), (86, 24533), (87, 24539), (107, 24593), (110, 24602), (143, 24683), (154, 24704), (158, 24713), (222, 24845), (223, 24848), (265, 24986), (276, 25055), (358, 25259),

Gene: ResDef_5 Start: 2764, Stop: 3423, Start Num: 166

Candidate Starts for ResDef_5:

(Start: 166 @2764 has 14 MA's), (173, 2785), (197, 2851), (222, 2941), (227, 2977), (304, 3223), (341, 3310),

Gene: RhynO_5 Start: 2841, Stop: 3488, Start Num: 132

Candidate Starts for RhynO_5:

(Start: 132 @2841 has 323 MA's), (142, 2865), (172, 2928), (222, 3018), (245, 3108), (271, 3201),

Gene: Richo_28 Start: 22728, Stop: 23693, Start Num: 32

Candidate Starts for Richo_28:

(Start: 32 @22728 has 91 MA's), (36, 22734), (68, 22887), (74, 22905), (79, 22923), (88, 22956), (100, 22998), (126, 23058), (133, 23073), (222, 23259), (223, 23262), (241, 23334), (267, 23403), (279, 23451), (286, 23466), (302, 23499), (317, 23538), (361, 23637),

Gene: Rifter_8 Start: 4654, Stop: 5352, Start Num: 144

Candidate Starts for Rifter_8:

(Start: 144 @4654 has 42 MA's), (220, 4855), (310, 5158), (369, 5344),

Gene: Roary_5 Start: 3347, Stop: 4006, Start Num: 153

Candidate Starts for Roary_5:

(Start: 153 @3347 has 12 MA's), (177, 3404), (200, 3446), (330, 3863),

Gene: Rockstar_5 Start: 2748, Stop: 3383, Start Num: 132

Candidate Starts for Rockstar_5:

(Start: 132 @2748 has 323 MA's), (224, 2931), (227, 2961), (254, 3039), (267, 3072),

Gene: Roksolana_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for Roksolana_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Romney_5 Start: 2721, Stop: 3383, Start Num: 132

Candidate Starts for Romney_5:

(Start: 132 @2721 has 323 MA's), (203, 2826), (290, 3138), (292, 3141), (368, 3366),

Gene: Roosevelt_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Roosevelt_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Rosa24_4 Start: 2720, Stop: 3385, Start Num: 132

Candidate Starts for Rosa24_4:

(Start: 132 @2720 has 323 MA's), (222, 2897), (245, 2987), (278, 3113),

Gene: Rosmarinus_28 Start: 23344, Stop: 24357, Start Num: 32

Candidate Starts for Rosmarinus_28:

(3, 22900), (24, 23299), (Start: 32 @23344 has 91 MA's), (88, 23569), (133, 23686), (Start: 153 @23728 has 12 MA's), (158, 23740), (Start: 201 @23794 has 1 MA's), (222, 23872), (246, 23968), (263, 24010), (267, 24019), (298, 24133), (330, 24202),

Gene: Rowdy_6 Start: 2752, Stop: 3399, Start Num: 132

Candidate Starts for Rowdy_6:

(Start: 132 @2752 has 323 MA's), (142, 2776), (172, 2839), (222, 2929), (245, 3019), (271, 3112),

Gene: Ruin_5 Start: 2721, Stop: 3383, Start Num: 132

Candidate Starts for Ruin_5:

(Start: 132 @2721 has 323 MA's), (203, 2826), (290, 3138), (292, 3141), (368, 3366),

Gene: Rumi_32 Start: 27114, Stop: 28211, Start Num: 37

Candidate Starts for Rumi_32:

(Start: 37 @27114 has 25 MA's), (59, 27228), (86, 27321), (101, 27354), (103, 27357), (105, 27360), (114, 27381), (120, 27393), (136, 27441), (165, 27504), (183, 27558), (211, 27654), (221, 27696), (255, 27822), (279, 27930), (296, 27969), (322, 28056), (370, 28203),

Gene: Rummer_5 Start: 2720, Stop: 3352, Start Num: 132

Candidate Starts for Rummer_5:
(Start: 132 @2720 has 323 MA's), (224, 2903), (225, 2906), (227, 2933),

Gene: RyeScarlet_9 Start: 5230, Stop: 5901, Start Num: 132
Candidate Starts for RyeScarlet_9:
(Start: 132 @5230 has 323 MA's), (222, 5404), (227, 5440), (292, 5653), (347, 5824),

Gene: SCentae_125 Start: 83353, Stop: 84243, Start Num: 46
Candidate Starts for SCentae_125:
(Start: 46 @83353 has 4 MA's), (330, 84088),

Gene: Sabertooth_5 Start: 2722, Stop: 3384, Start Num: 132
Candidate Starts for Sabertooth_5:
(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Sabinator_5 Start: 2629, Stop: 3264, Start Num: 132
Candidate Starts for Sabinator_5:
(Start: 132 @2629 has 323 MA's), (227, 2842),

Gene: Sachima_6 Start: 5239, Stop: 5868, Start Num: 132
Candidate Starts for Sachima_6:
(Start: 132 @5239 has 323 MA's), (151, 5278), (224, 5419), (227, 5449), (236, 5464),

Gene: Saintus_5 Start: 3362, Stop: 4021, Start Num: 153
Candidate Starts for Saintus_5:
(Start: 153 @3362 has 12 MA's), (177, 3419), (Start: 186 @3428 has 2 MA's), (200, 3461), (330, 3878),

Gene: Salz_8 Start: 5410, Stop: 6072, Start Num: 132
Candidate Starts for Salz_8:
(Start: 132 @5410 has 323 MA's), (162, 5476), (213, 5551), (319, 5902), (337, 5947),

Gene: Sampudon_33 Start: 30054, Stop: 31103, Start Num: 37
Candidate Starts for Sampudon_33:
(Start: 37 @30054 has 25 MA's), (59, 30168), (64, 30189), (84, 30264), (90, 30279), (114, 30342),
(136, 30402), (178, 30504), (202, 30567), (247, 30738), (330, 30966),

Gene: SamuelLPlaqson_28 Start: 23284, Stop: 24297, Start Num: 32
Candidate Starts for SamuelLPlaqson_28:
(24, 23239), (Start: 32 @23284 has 91 MA's), (Start: 57 @23395 has 3 MA's), (88, 23509), (133, 23626),
(Start: 153 @23668 has 12 MA's), (158, 23680), (Start: 201 @23734 has 1 MA's), (222, 23812),
(246, 23908), (253, 23920), (267, 23959), (270, 23995), (330, 24142), (360, 24238),

Gene: SaturnRing_4 Start: 2830, Stop: 3480, Start Num: 132
Candidate Starts for SaturnRing_4:
(Start: 132 @2830 has 323 MA's), (245, 3097), (367, 3460),

Gene: Scamp_5 Start: 2722, Stop: 3384, Start Num: 132
Candidate Starts for Scamp_5:
(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Scarlett_27 Start: 22586, Stop: 23545, Start Num: 33
Candidate Starts for Scarlett_27:

(Start: 33 @22586 has 7 MA's), (71, 22748), (73, 22754), (79, 22775), (80, 22781), (92, 22823), (109, 22868), (126, 22910), (133, 22925), (Start: 201 @23033 has 1 MA's), (224, 23117), (320, 23393),

Gene: Scherzo_8 Start: 5227, Stop: 5898, Start Num: 132

Candidate Starts for Scherzo_8:

(Start: 132 @5227 has 323 MA's), (222, 5401), (227, 5437), (292, 5650), (347, 5821),

Gene: ScoobyDoobyDoo_130 Start: 79579, Stop: 80151, Start Num: 186

Candidate Starts for ScoobyDoobyDoo_130:

(96, 79357), (147, 79477), (Start: 186 @79579 has 2 MA's), (222, 79696), (223, 79699), (227, 79732), (247, 79795), (330, 80008), (364, 80110),

Gene: Scout_5 Start: 2346, Stop: 2987, Start Num: 132

Candidate Starts for Scout_5:

(Start: 132 @2346 has 323 MA's), (171, 2430), (209, 2472), (284, 2748), (292, 2760),

Gene: SenorClean_4 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for SenorClean_4:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Serenity_31 Start: 23522, Stop: 24121, Start Num: 181

Candidate Starts for Serenity_31:

(Start: 181 @23522 has 3 MA's), (194, 23555), (204, 23573), (222, 23642), (242, 23726), (257, 23762), (285, 23879), (351, 24050),

Gene: SgtBeansprout_24 Start: 22900, Stop: 23907, Start Num: 34

Candidate Starts for SgtBeansprout_24:

(23, 22849), (27, 22861), (Start: 34 @22900 has 54 MA's), (42, 22960), (62, 23032), (79, 23086), (83, 23107), (133, 23236), (154, 23281), (155, 23284), (199, 23341), (Start: 201 @23344 has 1 MA's), (214, 23389), (223, 23425), (246, 23521), (253, 23533), (290, 23653), (339, 23785),

Gene: Shadow1_27 Start: 22543, Stop: 23604, Start Num: 34

Candidate Starts for Shadow1_27:

(17, 22453), (Start: 34 @22543 has 54 MA's), (50, 22624), (54, 22642), (83, 22750), (88, 22762), (95, 22783), (133, 22879), (183, 22993), (199, 23044), (228, 23161), (236, 23176), (253, 23233), (267, 23272), (330, 23461),

Gene: Shaka_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Shaka_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Sham4_8 Start: 5413, Stop: 6075, Start Num: 132

Candidate Starts for Sham4_8:

(Start: 132 @5413 has 323 MA's), (162, 5479), (213, 5554), (241, 5665), (319, 5905), (337, 5950),

Gene: Shaobing_28 Start: 22728, Stop: 23693, Start Num: 32

Candidate Starts for Shaobing_28:

(Start: 32 @22728 has 91 MA's), (36, 22734), (68, 22887), (74, 22905), (79, 22923), (88, 22956), (100, 22998), (126, 23058), (133, 23073), (222, 23259), (223, 23262), (241, 23334), (267, 23403), (279, 23451), (286, 23466), (302, 23499), (317, 23538), (361, 23637),

Gene: Shapes_6 Start: 2752, Stop: 3399, Start Num: 132

Candidate Starts for Shapes_6:

(Start: 132 @2752 has 323 MA's), (142, 2776), (172, 2839), (222, 2929), (245, 3019), (271, 3112),

Gene: SheaKeira_32 Start: 24009, Stop: 24662, Start Num: 132

Candidate Starts for SheaKeira_32:

(Start: 132 @24009 has 323 MA's), (175, 24114), (203, 24126), (222, 24195), (224, 24201), (225, 24204), (229, 24234), (253, 24303), (267, 24342),

Gene: ShedlockHolmes_28 Start: 23930, Stop: 24949, Start Num: 34

Candidate Starts for ShedlockHolmes_28:

(7, 23549), (8, 23561), (11, 23597), (13, 23621), (15, 23741), (17, 23840), (22, 23897), (Start: 34 @23930 has 54 MA's), (40, 23963), (62, 24062), (65, 24068), (68, 24080), (83, 24137), (86, 24143), (107, 24203), (133, 24266), (137, 24275), (154, 24311), (164, 24332), (191, 24344), (204, 24383), (222, 24452), (247, 24551), (267, 24599), (270, 24635), (294, 24698), (306, 24740), (330, 24788), (343, 24830), (367, 24926),

Gene: SheldonCooper_5 Start: 2723, Stop: 3388, Start Num: 132

Candidate Starts for SheldonCooper_5:

(Start: 132 @2723 has 323 MA's), (222, 2900), (245, 2990), (278, 3116),

Gene: Shelley_30 Start: 37583, Stop: 38485, Start Num: 61

Candidate Starts for Shelley_30:

(Start: 61 @37583 has 34 MA's), (104, 37721), (134, 37790), (155, 37838), (183, 37901), (Start: 201 @37937 has 1 MA's), (244, 38105), (339, 38357), (367, 38462),

Gene: ShiaSurprise_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for ShiaSurprise_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (Start: 57 @23467 has 3 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (253, 23992), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Shygu2_5 Start: 2724, Stop: 3389, Start Num: 132

Candidate Starts for Shygu2_5:

(Start: 132 @2724 has 323 MA's), (222, 2901), (245, 2991), (278, 3117), (368, 3372),

Gene: SirPhilip_27 Start: 22229, Stop: 23257, Start Num: 34

Candidate Starts for SirPhilip_27:

(Start: 34 @22229 has 54 MA's), (74, 22400), (79, 22418), (92, 22466), (116, 22526), (133, 22568), (141, 22586), (Start: 153 @22610 has 12 MA's), (196, 22661), (204, 22685), (219, 22742), (223, 22757), (241, 22829), (267, 22898),

Gene: Skipitt_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Skipitt_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (302, 3169), (368, 3367),

Gene: Skog_188 Start: 113083, Stop: 113973, Start Num: 46

Candidate Starts for Skog_188:

(Start: 46 @113083 has 4 MA's), (58, 113122), (81, 113194), (Start: 157 @113356 has 1 MA's), (285, 113722), (330, 113818),

Gene: Slarp_29 Start: 24596, Stop: 25600, Start Num: 34

Candidate Starts for Slarp_29:

(Start: 34 @24596 has 54 MA's), (74, 24764), (86, 24809), (87, 24815), (107, 24869), (110, 24878), (143, 24959), (154, 24980), (Start: 157 @24986 has 1 MA's), (158, 24989), (222, 25121), (223, 25124),

(260, 25247),

Gene: Slimphazie_28 Start: 23323, Stop: 24336, Start Num: 32

Candidate Starts for Slimphazie_28:

(3, 22879), (14, 23026), (24, 23278), (Start: 32 @23323 has 91 MA's), (Start: 57 @23434 has 3 MA's), (88, 23548), (133, 23665), (Start: 153 @23707 has 12 MA's), (158, 23719), (Start: 201 @23773 has 1 MA's), (222, 23851), (246, 23947), (253, 23959), (263, 23989), (267, 23998), (298, 24112), (330, 24181),

Gene: Smeadley_5 Start: 3347, Stop: 4006, Start Num: 153

Candidate Starts for Smeadley_5:

(Start: 153 @3347 has 12 MA's), (177, 3404), (200, 3446), (286, 3764), (330, 3863),

Gene: SmellyB_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for SmellyB_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Snape_8 Start: 5416, Stop: 6078, Start Num: 132

Candidate Starts for Snape_8:

(Start: 132 @5416 has 323 MA's), (162, 5482), (213, 5557), (319, 5908), (337, 5953),

Gene: Snickers_5 Start: 2872, Stop: 3531, Start Num: 132

Candidate Starts for Snickers_5:

(Start: 132 @2872 has 323 MA's), (210, 3001), (224, 3055), (229, 3088), (253, 3157), (367, 3511),

Gene: SoilDragon_5 Start: 2572, Stop: 3231, Start Num: 132

Candidate Starts for SoilDragon_5:

(Start: 132 @2572 has 323 MA's), (172, 2659), (210, 2701), (224, 2755), (231, 2794), (245, 2839),

Gene: Soshari_7 Start: 2720, Stop: 3352, Start Num: 132

Candidate Starts for Soshari_7:

(Start: 132 @2720 has 323 MA's), (224, 2903), (225, 2906), (227, 2933),

Gene: Sparxx_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Sparxx_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Spike509_5 Start: 2720, Stop: 3352, Start Num: 132

Candidate Starts for Spike509_5:

(Start: 132 @2720 has 323 MA's), (224, 2903), (225, 2906), (227, 2933),

Gene: Spino_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Spino_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142),

Gene: Spock_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for Spock_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Stagni_5 Start: 2891, Stop: 3559, Start Num: 132

Candidate Starts for Stagni_5:

(Start: 132 @2891 has 323 MA's), (210, 3020), (224, 3074), (229, 3107), (253, 3176), (367, 3539),

Gene: StarStruck_46 Start: 35932, Stop: 36987, Start Num: 30

Candidate Starts for StarStruck_46:

(20, 35869), (Start: 30 @35932 has 7 MA's), (80, 36145), (138, 36304), (Start: 152 @36328 has 1 MA's), (253, 36616), (355, 36916), (367, 36961),

Gene: StarStuff_35 Start: 24412, Stop: 25083, Start Num: 161

Candidate Starts for StarStuff_35:

(Start: 161 @24412 has 21 MA's), (197, 24502), (204, 24523), (222, 24592), (227, 24628), (242, 24676), (323, 24916), (327, 24919), (356, 25018), (363, 25033),

Gene: Stasia_5 Start: 2745, Stop: 3407, Start Num: 132

Candidate Starts for Stasia_5:

(Start: 132 @2745 has 323 MA's), (169, 2826), (203, 2850),

Gene: Steamy_8 Start: 5295, Stop: 5924, Start Num: 159

Candidate Starts for Steamy_8:

(Start: 159 @5295 has 8 MA's), (192, 5367), (195, 5376), (210, 5424), (225, 5481),

Gene: Stephig9_5 Start: 3348, Stop: 4007, Start Num: 153

Candidate Starts for Stephig9_5:

(Start: 153 @3348 has 12 MA's), (177, 3405), (200, 3447), (330, 3864),

Gene: Sticker17_30 Start: 38098, Stop: 39000, Start Num: 61

Candidate Starts for Sticker17_30:

(Start: 61 @38098 has 34 MA's), (104, 38236), (134, 38305), (155, 38353), (183, 38416), (Start: 201 @38452 has 1 MA's), (244, 38620), (333, 38854), (339, 38872), (367, 38977),

Gene: Stink_5 Start: 2719, Stop: 3384, Start Num: 132

Candidate Starts for Stink_5:

(Start: 132 @2719 has 323 MA's), (169, 2800), (245, 2986), (278, 3112),

Gene: Stinson_29 Start: 23565, Stop: 24578, Start Num: 32

Candidate Starts for Stinson_29:

(Start: 32 @23565 has 91 MA's), (Start: 57 @23676 has 3 MA's), (88, 23790), (133, 23907), (Start: 153 @23949 has 12 MA's), (Start: 201 @24015 has 1 MA's), (204, 24024), (222, 24093), (246, 24189), (253, 24201), (298, 24354), (330, 24423), (360, 24519),

Gene: Strobilo_25 Start: 21282, Stop: 22277, Start Num: 34

Candidate Starts for Strobilo_25:

(17, 21198), (Start: 34 @21282 has 54 MA's), (48, 21363), (54, 21387), (71, 21447), (86, 21501), (88, 21507), (126, 21609), (127, 21612), (150, 21660), (Start: 153 @21666 has 12 MA's), (199, 21729), (Start: 201 @21732 has 1 MA's), (213, 21774), (224, 21816), (245, 21900), (267, 21957), (367, 22254),

Gene: Strosahl_8 Start: 4403, Stop: 5071, Start Num: 160

Candidate Starts for Strosahl_8:

(Start: 160 @4403 has 9 MA's), (239, 4643), (260, 4709), (300, 4835),

Gene: Sulley_28 Start: 23289, Stop: 24302, Start Num: 32

Candidate Starts for Sulley_28:

(Start: 32 @23289 has 91 MA's), (Start: 57 @23400 has 3 MA's), (88, 23514), (133, 23631), (158, 23685), (Start: 201 @23739 has 1 MA's), (222, 23817), (246, 23913), (253, 23925), (263, 23955), (267,

23964), (298, 24078), (330, 24147),

Gene: Sunflower1121_27 Start: 22555, Stop: 23616, Start Num: 34

Candidate Starts for Sunflower1121_27:

(17, 22465), (Start: 34 @22555 has 54 MA's), (50, 22636), (54, 22654), (83, 22762), (88, 22774), (95, 22795), (133, 22891), (183, 23005), (199, 23056), (228, 23173), (253, 23245), (267, 23284), (297, 23404), (330, 23473),

Gene: Sunhee_31 Start: 23957, Stop: 24625, Start Num: 159

Candidate Starts for Sunhee_31:

(26, 23567), (Start: 159 @23957 has 8 MA's), (222, 24140), (227, 24176), (257, 24260), (272, 24329), (285, 24383),

Gene: SuperAwesome_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for SuperAwesome_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: SuperCallie99_8 Start: 4662, Stop: 5360, Start Num: 144

Candidate Starts for SuperCallie99_8:

(Start: 144 @4662 has 42 MA's), (310, 5166), (369, 5352),

Gene: SuperSulley_46 Start: 36118, Stop: 37173, Start Num: 30

Candidate Starts for SuperSulley_46:

(Start: 30 @36118 has 7 MA's), (80, 36331), (Start: 152 @36514 has 1 MA's), (253, 36802), (367, 37147),

Gene: Superchunk_31 Start: 22947, Stop: 23612, Start Num: 159

Candidate Starts for Superchunk_31:

(Start: 159 @22947 has 8 MA's), (Start: 161 @22950 has 21 MA's), (204, 23061), (222, 23130), (224, 23136), (227, 23166), (257, 23250), (290, 23373), (323, 23445), (363, 23562),

Gene: SwirlSquare_34 Start: 23197, Stop: 23850, Start Num: 161

Candidate Starts for SwirlSquare_34:

(Start: 161 @23197 has 21 MA's), (185, 23260), (189, 23266), (204, 23308), (222, 23377), (227, 23413), (257, 23497), (304, 23653), (308, 23671),

Gene: Swirley_5 Start: 3571, Stop: 4233, Start Num: 132

Candidate Starts for Swirley_5:

(Start: 132 @3571 has 323 MA's), (137, 3583), (146, 3607), (154, 3622), (162, 3637), (213, 3712), (246, 3841), (319, 4063),

Gene: Syra333_28 Start: 22645, Stop: 23640, Start Num: 34

Candidate Starts for Syra333_28:

(17, 22555), (Start: 34 @22645 has 54 MA's), (54, 22744), (Start: 57 @22750 has 3 MA's), (98, 22900), (133, 22981), (222, 23167), (223, 23170), (244, 23254), (246, 23263), (262, 23299), (307, 23449), (364, 23599), (367, 23617),

Gene: TBond007_28 Start: 23723, Stop: 24787, Start Num: 34

Candidate Starts for TBond007_28:

(1, 23171), (2, 23237), (4, 23300), (6, 23333), (10, 23375), (15, 23534), (17, 23633), (22, 23690), (Start: 34 @23723 has 54 MA's), (62, 23855), (65, 23861), (83, 23930), (86, 23936), (107, 23996), (116, 24017), (123, 24032), (Start: 157 @24110 has 1 MA's), (222, 24302), (228, 24338), (242, 24386), (260, 24428), (296, 24554),

Gene: TClif_28 Start: 22714, Stop: 23739, Start Num: 34

Candidate Starts for TClif_28:

(Start: 34 @22714 has 54 MA's), (52, 22813), (54, 22816), (71, 22876), (82, 22921), (95, 22957), (127, 23041), (150, 23089), (203, 23173), (210, 23197), (223, 23248), (242, 23329), (331, 23581), (343, 23620), (367, 23716),

Gene: TM4_25 Start: 21422, Stop: 22426, Start Num: 34

Candidate Starts for TM4_25:

(Start: 34 @21422 has 54 MA's), (54, 21527), (71, 21587), (74, 21596), (86, 21641), (88, 21647), (107, 21701), (129, 21755), (Start: 157 @21815 has 1 MA's), (193, 21848), (Start: 201 @21872 has 1 MA's), (223, 21953), (224, 21956), (245, 22040), (260, 22076), (367, 22403),

Gene: TNguyen7_5 Start: 2828, Stop: 3478, Start Num: 132

Candidate Starts for TNguyen7_5:

(Start: 132 @2828 has 323 MA's), (222, 3005), (245, 3095), (271, 3191),

Gene: Tachez_28 Start: 23285, Stop: 24298, Start Num: 32

Candidate Starts for Tachez_28:

(3, 22841), (14, 22988), (24, 23240), (Start: 32 @23285 has 91 MA's), (Start: 57 @23396 has 3 MA's), (88, 23510), (133, 23627), (Start: 153 @23669 has 12 MA's), (158, 23681), (Start: 201 @23735 has 1 MA's), (222, 23813), (246, 23909), (253, 23921), (263, 23951), (267, 23960), (298, 24074), (330, 24143),

Gene: TaiwanKao_29 Start: 23407, Stop: 24309, Start Num: 57

Candidate Starts for TaiwanKao_29:

(24, 23251), (Start: 32 @23296 has 91 MA's), (Start: 57 @23407 has 3 MA's), (88, 23521), (133, 23638), (Start: 153 @23680 has 12 MA's), (158, 23692), (Start: 201 @23746 has 1 MA's), (222, 23824), (242, 23908), (246, 23920), (253, 23932), (267, 23971), (288, 24061), (360, 24250),

Gene: Taquarus_5 Start: 2725, Stop: 3387, Start Num: 132

Candidate Starts for Taquarus_5:

(Start: 132 @2725 has 323 MA's), (203, 2830), (290, 3142), (292, 3145), (368, 3370),

Gene: Tarynearal_4 Start: 3600, Stop: 4262, Start Num: 132

Candidate Starts for Tarynearal_4:

(Start: 132 @3600 has 323 MA's), (137, 3612), (146, 3636), (154, 3651), (162, 3666), (213, 3741), (246, 3870), (319, 4092),

Gene: Taurus_5 Start: 2629, Stop: 3264, Start Num: 132

Candidate Starts for Taurus_5:

(Start: 132 @2629 has 323 MA's), (227, 2842),

Gene: Teal_30 Start: 38566, Stop: 39468, Start Num: 61

Candidate Starts for Teal_30:

(Start: 61 @38566 has 34 MA's), (104, 38704), (134, 38773), (155, 38821), (183, 38884), (Start: 201 @38920 has 1 MA's), (244, 39088), (339, 39340), (367, 39445),

Gene: Temprado_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for Temprado_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Texage_4 Start: 2764, Stop: 3423, Start Num: 166

Candidate Starts for Texage_4:

(Start: 166 @2764 has 14 MA's), (173, 2785), (197, 2851), (222, 2941), (227, 2977), (304, 3223), (341, 3310),

Gene: Thanksgivukkah_5 Start: 2723, Stop: 3385, Start Num: 132

Candidate Starts for Thanksgivukkah_5:

(Start: 132 @2723 has 323 MA's), (203, 2828), (290, 3140), (292, 3143), (368, 3368),

Gene: Theia_4 Start: 3572, Stop: 4234, Start Num: 132

Candidate Starts for Theia_4:

(Start: 132 @3572 has 323 MA's), (146, 3608), (154, 3623), (162, 3638), (213, 3713), (319, 4064),

Gene: Tierra_28 Start: 23391, Stop: 24452, Start Num: 34

Candidate Starts for Tierra_28:

(Start: 34 @23391 has 54 MA's), (49, 23469), (50, 23472), (54, 23490), (66, 23532), (83, 23598), (95, 23631), (133, 23727), (138, 23739), (183, 23841), (199, 23892), (228, 24009), (303, 24252), (307, 24270), (330, 24309),

Gene: Tiffany_5 Start: 2900, Stop: 3451, Start Num: 132

Candidate Starts for Tiffany_5:

(Start: 132 @2900 has 323 MA's), (210, 3029), (224, 3083), (229, 3116), (253, 3185), (367, 3431),

Gene: Tillicus_33 Start: 28456, Stop: 29502, Start Num: 37

Candidate Starts for Tillicus_33:

(Start: 37 @28456 has 25 MA's), (43, 28513), (67, 28603), (70, 28612), (72, 28618), (75, 28627), (90, 28681), (176, 28897), (178, 28906), (193, 28945), (197, 28957), (217, 29026), (247, 29140), (260, 29167), (289, 29275),

Gene: Timothy_8 Start: 5410, Stop: 6072, Start Num: 132

Candidate Starts for Timothy_8:

(Start: 132 @5410 has 323 MA's), (162, 5476), (213, 5551), (241, 5662), (319, 5902),

Gene: TinaFeyge_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for TinaFeyge_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: TingHuaYa_28 Start: 22494, Stop: 23501, Start Num: 34

Candidate Starts for TingHuaYa_28:

(Start: 34 @22494 has 54 MA's), (53, 22593), (88, 22713), (95, 22734), (133, 22830), (Start: 201 @22938 has 1 MA's), (222, 23016), (246, 23112), (253, 23124), (267, 23163), (320, 23334), (330, 23346),

Gene: TiniBug_28 Start: 23281, Stop: 24294, Start Num: 32

Candidate Starts for TiniBug_28:

(24, 23236), (Start: 32 @23281 has 91 MA's), (Start: 57 @23392 has 3 MA's), (88, 23506), (133, 23623), (158, 23677), (Start: 201 @23731 has 1 MA's), (222, 23809), (246, 23905), (253, 23917), (267, 23956), (270, 23992), (295, 24061), (330, 24139), (360, 24235),

Gene: TinyPebbles_5 Start: 2720, Stop: 3352, Start Num: 132

Candidate Starts for TinyPebbles_5:

(Start: 132 @2720 has 323 MA's), (224, 2903), (225, 2906), (227, 2933),

Gene: TinyTimmy_8 Start: 5410, Stop: 6072, Start Num: 132

Candidate Starts for TinyTimmy_8:

(Start: 132 @5410 has 323 MA's), (162, 5476), (213, 5551), (241, 5662), (319, 5902), (337, 5947),

Gene: Tinybot_4 Start: 2725, Stop: 3390, Start Num: 132

Candidate Starts for Tinybot_4:

(Start: 132 @2725 has 323 MA's), (222, 2902), (245, 2992), (278, 3118),

Gene: TopsytheTRex_31 Start: 23713, Stop: 24366, Start Num: 161

Candidate Starts for TopsytheTRex_31:

(Start: 159 @23710 has 8 MA's), (Start: 161 @23713 has 21 MA's), (184, 23767), (222, 23893), (227, 23929), (292, 24139), (304, 24169), (305, 24178), (308, 24187), (363, 24316),

Gene: Tiri_28 Start: 23328, Stop: 24341, Start Num: 32

Candidate Starts for Tiri_28:

(3, 22884), (24, 23283), (Start: 32 @23328 has 91 MA's), (Start: 57 @23439 has 3 MA's), (88, 23553), (133, 23670), (Start: 153 @23712 has 12 MA's), (158, 23724), (Start: 201 @23778 has 1 MA's), (222, 23856), (242, 23940), (246, 23952), (253, 23964), (267, 24003), (298, 24117), (330, 24186),

Gene: TiroTheta9_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for TiroTheta9_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (302, 3169), (368, 3367),

Gene: Toaka_31 Start: 24361, Stop: 25002, Start Num: 159

Candidate Starts for Toaka_31:

(Start: 159 @24361 has 8 MA's), (197, 24454), (204, 24475), (222, 24544), (245, 24634), (267, 24691), (281, 24763), (285, 24775), (323, 24853),

Gene: Todacoro_5 Start: 2764, Stop: 3423, Start Num: 166

Candidate Starts for Todacoro_5:

(Start: 166 @2764 has 14 MA's), (173, 2785), (197, 2851), (222, 2941), (227, 2977), (304, 3223), (341, 3310),

Gene: Tomathan_35 Start: 24412, Stop: 25083, Start Num: 161

Candidate Starts for Tomathan_35:

(Start: 161 @24412 has 21 MA's), (197, 24502), (204, 24523), (222, 24592), (227, 24628), (242, 24676), (323, 24916), (327, 24919), (356, 25018), (363, 25033),

Gene: ToneTone_7 Start: 4571, Stop: 5269, Start Num: 144

Candidate Starts for ToneTone_7:

(Start: 144 @4571 has 42 MA's), (310, 5075), (369, 5261),

Gene: Topanga_5 Start: 2891, Stop: 3580, Start Num: 132

Candidate Starts for Topanga_5:

(Start: 132 @2891 has 323 MA's), (172, 2975), (212, 3035), (238, 3128), (246, 3173), (265, 3218), (330, 3431),

Gene: Topper_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for Topper_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: Torres_24 Start: 23086, Stop: 23907, Start Num: 79

Candidate Starts for Torres_24:

(23, 22849), (27, 22861), (Start: 34 @22900 has 54 MA's), (42, 22960), (62, 23032), (79, 23086), (83, 23107), (133, 23236), (154, 23281), (155, 23284), (199, 23341), (Start: 201 @23344 has 1 MA's), (214, 23389), (223, 23425), (246, 23521), (253, 23533), (290, 23653), (339, 23785),

Gene: Travvers_35 Start: 24412, Stop: 25083, Start Num: 161

Candidate Starts for Travvers_35:

(Start: 161 @24412 has 21 MA's), (197, 24502), (204, 24523), (222, 24592), (227, 24628), (242, 24676), (323, 24916), (327, 24919), (356, 25018), (363, 25033),

Gene: TreyKay_28 Start: 23290, Stop: 24303, Start Num: 32

Candidate Starts for TreyKay_28:

(24, 23245), (Start: 32 @23290 has 91 MA's), (Start: 57 @23401 has 3 MA's), (88, 23515), (133, 23632), (Start: 153 @23674 has 12 MA's), (158, 23686), (Start: 201 @23740 has 1 MA's), (222, 23818), (242, 23902), (246, 23914), (253, 23926), (267, 23965), (360, 24244),

Gene: TribbleTrouble_27 Start: 23874, Stop: 24935, Start Num: 34

Candidate Starts for TribbleTrouble_27:

(17, 23769), (Start: 34 @23874 has 54 MA's), (40, 23907), (47, 23946), (60, 23997), (62, 24006), (71, 24033), (83, 24081), (107, 24147), (123, 24183), (127, 24198), (135, 24216), (137, 24219), (143, 24234), (182, 24321), (228, 24492), (330, 24792),

Gene: Trixie_8 Start: 5232, Stop: 5918, Start Num: 132

Candidate Starts for Trixie_8:

(Start: 132 @5232 has 323 MA's), (172, 5319), (205, 5346), (222, 5403), (233, 5448), (268, 5556), (313, 5727), (327, 5748), (353, 5847),

Gene: TroyPia_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for TroyPia_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: TruffulaTree_28 Start: 23319, Stop: 24332, Start Num: 32

Candidate Starts for TruffulaTree_28:

(3, 22875), (24, 23274), (Start: 32 @23319 has 91 MA's), (88, 23544), (133, 23661), (Start: 153 @23703 has 12 MA's), (158, 23715), (Start: 201 @23769 has 1 MA's), (222, 23847), (246, 23943), (253, 23955), (263, 23985), (267, 23994), (298, 24108), (330, 24177),

Gene: Tubs_8 Start: 5239, Stop: 5868, Start Num: 132

Candidate Starts for Tubs_8:

(Start: 132 @5239 has 323 MA's), (151, 5278), (224, 5419), (227, 5449), (236, 5464),

Gene: Tucker_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for Tucker_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Twigg_5 Start: 3571, Stop: 4233, Start Num: 132

Candidate Starts for Twigg_5:

(Start: 132 @3571 has 323 MA's), (137, 3583), (146, 3607), (154, 3622), (162, 3637), (213, 3712), (246, 3841), (319, 4063),

Gene: Twister_5 Start: 2837, Stop: 3484, Start Num: 132

Candidate Starts for Twister_5:

(Start: 132 @2837 has 323 MA's), (222, 3014), (262, 3146), (271, 3197), (272, 3200),

Gene: Twitch_28 Start: 23356, Stop: 24369, Start Num: 32

Candidate Starts for Twitch_28:

(3, 22912), (24, 23311), (Start: 32 @23356 has 91 MA's), (88, 23581), (133, 23698), (Start: 153 @23740 has 12 MA's), (158, 23752), (Start: 201 @23806 has 1 MA's), (222, 23884), (246, 23980), (263, 24022), (267, 24031), (298, 24145), (330, 24214),

Gene: TygerBlood_5 Start: 2724, Stop: 3386, Start Num: 132

Candidate Starts for TygerBlood_5:

(Start: 132 @2724 has 323 MA's), (203, 2829), (290, 3141), (292, 3144), (368, 3369),

Gene: Ugenie5_6 Start: 5227, Stop: 5898, Start Num: 132

Candidate Starts for Ugenie5_6:

(Start: 132 @5227 has 323 MA's), (222, 5401), (227, 5437), (292, 5650), (347, 5821),

Gene: Ulysses_5 Start: 2723, Stop: 3388, Start Num: 132

Candidate Starts for Ulysses_5:

(Start: 132 @2723 has 323 MA's), (169, 2804), (225, 2903), (271, 3077),

Gene: Unicorn_28 Start: 22720, Stop: 23781, Start Num: 34

Candidate Starts for Unicorn_28:

(17, 22630), (22, 22687), (Start: 34 @22720 has 54 MA's), (54, 22819), (83, 22927), (88, 22939), (95, 22960), (133, 23056), (183, 23170), (199, 23221), (228, 23338), (303, 23581), (307, 23599), (330, 23638),

Gene: Urkel_28 Start: 23284, Stop: 24297, Start Num: 32

Candidate Starts for Urkel_28:

(24, 23239), (Start: 32 @23284 has 91 MA's), (Start: 57 @23395 has 3 MA's), (88, 23509), (133, 23626), (Start: 153 @23668 has 12 MA's), (158, 23680), (Start: 201 @23734 has 1 MA's), (222, 23812), (246, 23908), (253, 23920), (267, 23959), (270, 23995), (330, 24142), (360, 24238),

Gene: VA6_32 Start: 24568, Stop: 25233, Start Num: 161

Candidate Starts for VA6_32:

(Start: 161 @24568 has 21 MA's), (185, 24631), (207, 24691), (209, 24700), (210, 24703), (330, 25081), (357, 25171), (367, 25213),

Gene: VC3_35 Start: 24556, Stop: 25221, Start Num: 161

Candidate Starts for VC3_35:

(Start: 161 @24556 has 21 MA's), (185, 24619), (207, 24679), (209, 24688), (210, 24691), (232, 24784), (330, 25069), (357, 25159), (367, 25201),

Gene: Validus_28 Start: 22666, Stop: 23631, Start Num: 32

Candidate Starts for Validus_28:

(25, 22630), (Start: 32 @22666 has 91 MA's), (36, 22672), (Start: 57 @22780 has 3 MA's), (62, 22807), (79, 22861), (100, 22936), (141, 23029), (167, 23083), (222, 23197), (223, 23200), (245, 23284), (267, 23341), (282, 23395), (302, 23437), (317, 23476),

Gene: Veliki_28 Start: 23359, Stop: 24372, Start Num: 32

Candidate Starts for Veliki_28:

(3, 22915), (14, 23062), (24, 23314), (Start: 32 @23359 has 91 MA's), (Start: 57 @23470 has 3 MA's), (88, 23584), (133, 23701), (Start: 153 @23743 has 12 MA's), (158, 23755), (Start: 201 @23809 has 1 MA's), (222, 23887), (246, 23983), (253, 23995), (263, 24025), (267, 24034), (298, 24148), (330, 24217),

Gene: Veracruz_4 Start: 2764, Stop: 3423, Start Num: 166

Candidate Starts for Veracruz_4:

(Start: 166 @2764 has 14 MA's), (173, 2785), (197, 2851), (222, 2941), (227, 2977), (304, 3223), (341, 3310),

Gene: Vix_5 Start: 2719, Stop: 3351, Start Num: 132

Candidate Starts for Vix_5:

(Start: 132 @2719 has 323 MA's), (224, 2902), (225, 2905), (227, 2932),

Gene: VohminGhazi_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for VohminGhazi_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: WalterMcMickey_5 Start: 2837, Stop: 3484, Start Num: 132

Candidate Starts for WalterMcMickey_5:

(Start: 132 @2837 has 323 MA's), (222, 3014), (262, 3146), (271, 3197), (272, 3200),

Gene: Wander_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for Wander_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Watson_5 Start: 2890, Stop: 3549, Start Num: 132

Candidate Starts for Watson_5:

(Start: 132 @2890 has 323 MA's), (224, 3073), (229, 3106), (253, 3175), (367, 3529),

Gene: WeiHuaDA_9 Start: 5446, Stop: 6132, Start Num: 132

Candidate Starts for WeiHuaDA_9:

(Start: 132 @5446 has 323 MA's), (223, 5620), (268, 5770), (313, 5941), (353, 6061),

Gene: Wiks_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for Wiks_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Wilbur_5 Start: 2721, Stop: 3383, Start Num: 132

Candidate Starts for Wilbur_5:

(Start: 132 @2721 has 323 MA's), (203, 2826), (290, 3138), (292, 3141), (368, 3366),

Gene: Wile_5 Start: 2734, Stop: 3396, Start Num: 132

Candidate Starts for Wile_5:

(Start: 132 @2734 has 323 MA's), (203, 2839), (292, 3154),

Gene: Wintermute_29 Start: 24585, Stop: 25589, Start Num: 34

Candidate Starts for Wintermute_29:

(Start: 34 @24585 has 54 MA's), (45, 24654), (74, 24753), (86, 24798), (107, 24858), (110, 24867), (125, 24903), (143, 24948), (154, 24969), (Start: 157 @24975 has 1 MA's), (158, 24978), (222, 25110), (223, 25113), (260, 25236), (267, 25257), (358, 25524),

Gene: Wizard007_5 Start: 2724, Stop: 3386, Start Num: 132

Candidate Starts for Wizard007_5:

(Start: 132 @2724 has 323 MA's), (203, 2829), (290, 3141), (292, 3144), (368, 3369),

Gene: Woes_30 Start: 38617, Stop: 39519, Start Num: 61

Candidate Starts for Woes_30:

(Start: 61 @38617 has 34 MA's), (104, 38755), (134, 38824), (155, 38872), (183, 38935), (Start: 201 @38971 has 1 MA's), (339, 39391), (367, 39496),

Gene: Wojtek_32 Start: 28749, Stop: 29798, Start Num: 37

Candidate Starts for Wojtek_32:

(Start: 37 @28749 has 25 MA's), (59, 28863), (70, 28905), (84, 28959), (90, 28974), (114, 29037), (202, 29262), (247, 29433), (330, 29661), (344, 29706),

Gene: WunderPhul_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for WunderPhul_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Xena_5 Start: 2733, Stop: 3395, Start Num: 132

Candidate Starts for Xena_5:

(Start: 132 @2733 has 323 MA's), (203, 2838), (292, 3153),

Gene: Ximenita_29 Start: 22823, Stop: 23818, Start Num: 34

Candidate Starts for Ximenita_29:

(17, 22733), (Start: 34 @22823 has 54 MA's), (54, 22922), (Start: 57 @22928 has 3 MA's), (98, 23078), (133, 23159), (222, 23345), (223, 23348), (244, 23432), (307, 23627), (359, 23756), (364, 23777), (367, 23795),

Gene: Y10_29 Start: 24585, Stop: 25589, Start Num: 34

Candidate Starts for Y10_29:

(Start: 34 @24585 has 54 MA's), (45, 24654), (74, 24753), (86, 24798), (87, 24804), (107, 24858), (110, 24867), (125, 24903), (143, 24948), (154, 24969), (Start: 157 @24975 has 1 MA's), (158, 24978), (222, 25110), (223, 25113), (260, 25236), (267, 25257), (358, 25524),

Gene: Y2_29 Start: 24585, Stop: 25589, Start Num: 34

Candidate Starts for Y2_29:

(Start: 34 @24585 has 54 MA's), (45, 24654), (74, 24753), (86, 24798), (87, 24804), (107, 24858), (110, 24867), (125, 24903), (143, 24948), (154, 24969), (Start: 157 @24975 has 1 MA's), (158, 24978), (222, 25110), (223, 25113), (260, 25236), (267, 25257), (358, 25524),

Gene: Yikes_34 Start: 30133, Stop: 31182, Start Num: 37

Candidate Starts for Yikes_34:

(Start: 37 @30133 has 25 MA's), (59, 30247), (70, 30289), (84, 30343), (90, 30358), (114, 30421), (247, 30817), (289, 30952), (330, 31045),

Gene: YoSam321_5 Start: 2722, Stop: 3384, Start Num: 132

Candidate Starts for YoSam321_5:

(Start: 132 @2722 has 323 MA's), (203, 2827), (290, 3139), (292, 3142), (368, 3367),

Gene: Yokurt_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for Yokurt_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: YoureAdopted_27 Start: 23292, Stop: 24305, Start Num: 32

Candidate Starts for YoureAdopted_27:

(3, 22848), (14, 22995), (24, 23247), (Start: 32 @23292 has 91 MA's), (Start: 57 @23403 has 3 MA's), (88, 23517), (133, 23634), (Start: 153 @23676 has 12 MA's), (158, 23688), (Start: 201 @23742 has 1 MA's), (222, 23820), (246, 23916), (253, 23928), (263, 23958), (267, 23967), (269, 24000), (298,

24081), (330, 24150),

Gene: Yuna_29 Start: 23206, Stop: 24168, Start Num: 32

Candidate Starts for Yuna_29:

(Start: 32 @23206 has 91 MA's), (103, 23476), (108, 23485), (122, 23518), (125, 23530), (129, 23539), (141, 23566), (210, 23689), (223, 23740), (241, 23809), (247, 23830), (290, 23950),

Gene: Yunkel11_28 Start: 22542, Stop: 23603, Start Num: 32

Candidate Starts for Yunkel11_28:

(Start: 32 @22542 has 91 MA's), (Start: 57 @22656 has 3 MA's), (88, 22770), (95, 22791), (129, 22878), (138, 22899), (141, 22905), (206, 23013), (222, 23073), (248, 23193), (249, 23199), (250, 23205), (269, 23295), (312, 23421), (317, 23436),

Gene: Zabiza_28 Start: 23323, Stop: 24336, Start Num: 32

Candidate Starts for Zabiza_28:

(3, 22879), (14, 23026), (24, 23278), (Start: 32 @23323 has 91 MA's), (Start: 57 @23434 has 3 MA's), (88, 23548), (133, 23665), (Start: 153 @23707 has 12 MA's), (158, 23719), (Start: 201 @23773 has 1 MA's), (222, 23851), (246, 23947), (253, 23959), (263, 23989), (267, 23998), (298, 24112), (330, 24181),

Gene: Zaka_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for Zaka_8:

(Start: 144 @4661 has 42 MA's), (310, 5165), (369, 5351),

Gene: Zany_32 Start: 29660, Stop: 30706, Start Num: 37

Candidate Starts for Zany_32:

(Start: 37 @29660 has 25 MA's), (59, 29774), (64, 29795), (84, 29870), (90, 29885), (114, 29948), (136, 30008), (178, 30110), (247, 30344),

Gene: Zavala_28 Start: 23298, Stop: 24311, Start Num: 32

Candidate Starts for Zavala_28:

(3, 22854), (24, 23253), (Start: 32 @23298 has 91 MA's), (88, 23523), (133, 23640), (Start: 153 @23682 has 12 MA's), (158, 23694), (Start: 201 @23748 has 1 MA's), (222, 23826), (246, 23922), (253, 23934), (263, 23964), (267, 23973), (298, 24087), (330, 24156),

Gene: Zetzy_5 Start: 2721, Stop: 3356, Start Num: 132

Candidate Starts for Zetzy_5:

(Start: 132 @2721 has 323 MA's), (227, 2934), (260, 3024),

Gene: ZoeJ_25 Start: 21223, Stop: 22245, Start Num: 34

Candidate Starts for ZoeJ_25:

(15, 21040), (17, 21139), (Start: 34 @21223 has 54 MA's), (54, 21325), (69, 21379), (71, 21385), (86, 21439), (88, 21445), (89, 21448), (120, 21526), (126, 21547), (127, 21550), (Start: 153 @21604 has 12 MA's), (224, 21754), (365, 22213), (367, 22222),

Gene: Zulu_8 Start: 4661, Stop: 5359, Start Num: 144

Candidate Starts for Zulu_8:

(Start: 144 @4661 has 42 MA's), (220, 4862), (310, 5165), (369, 5351),