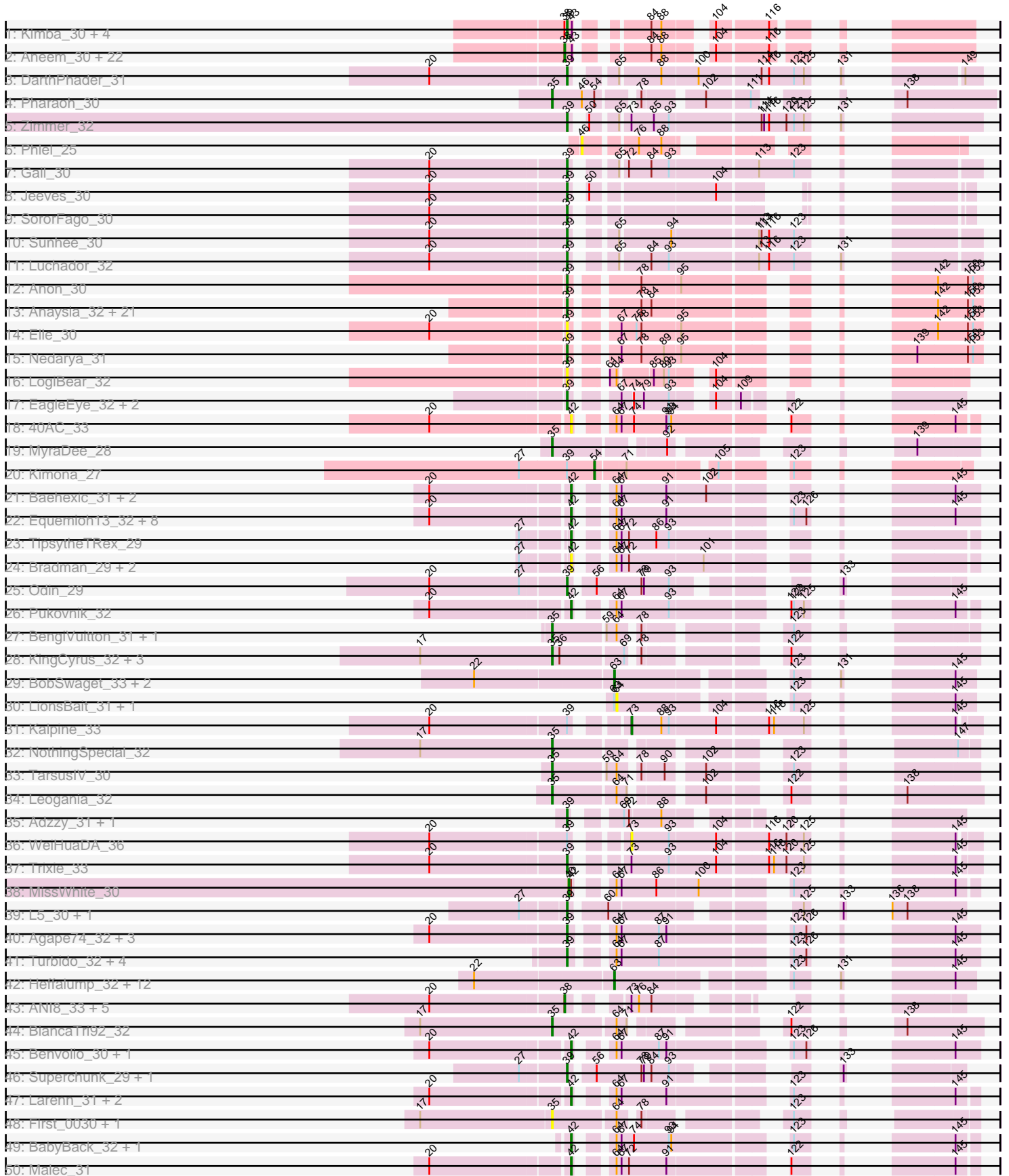
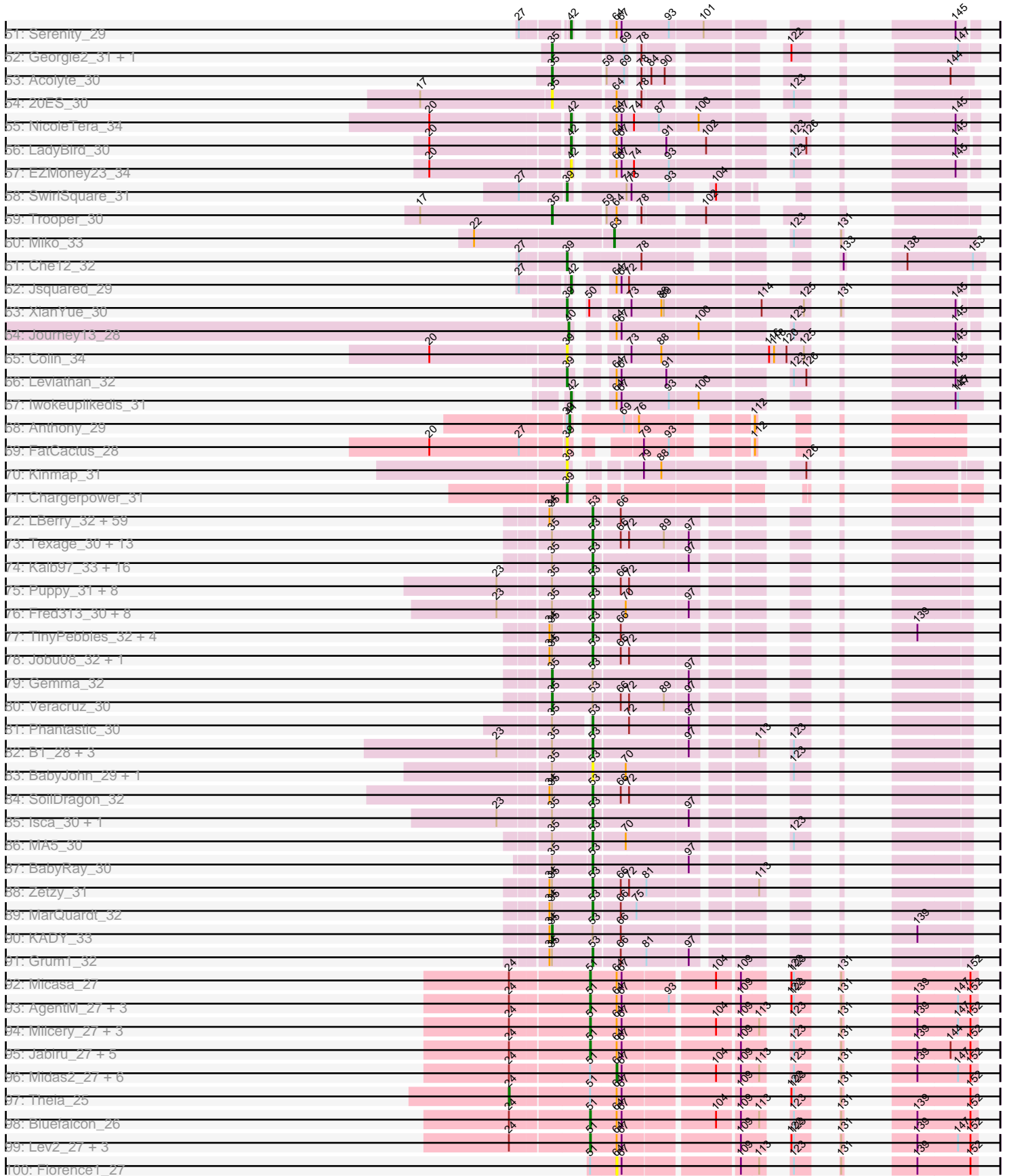


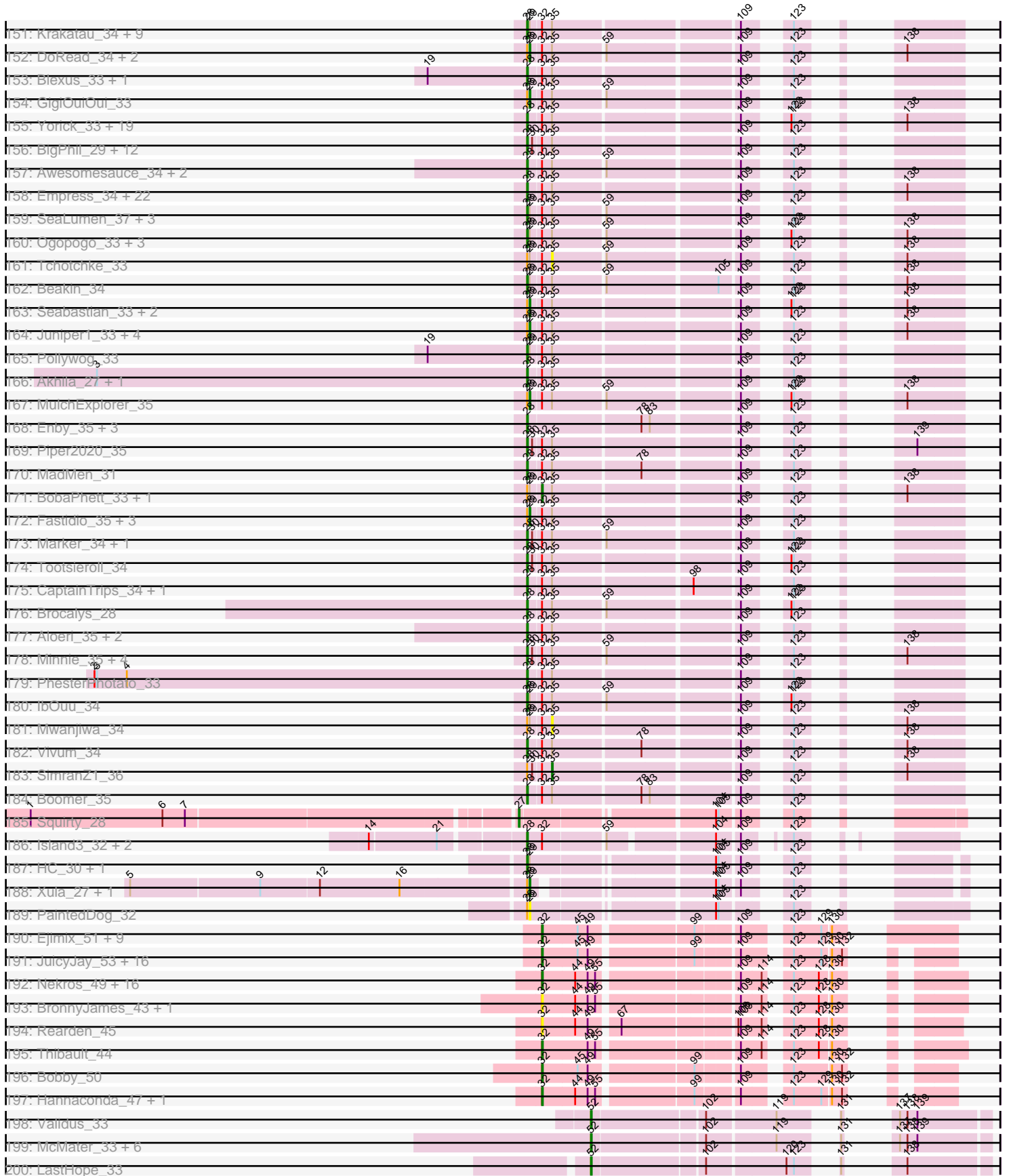
Pham 311014



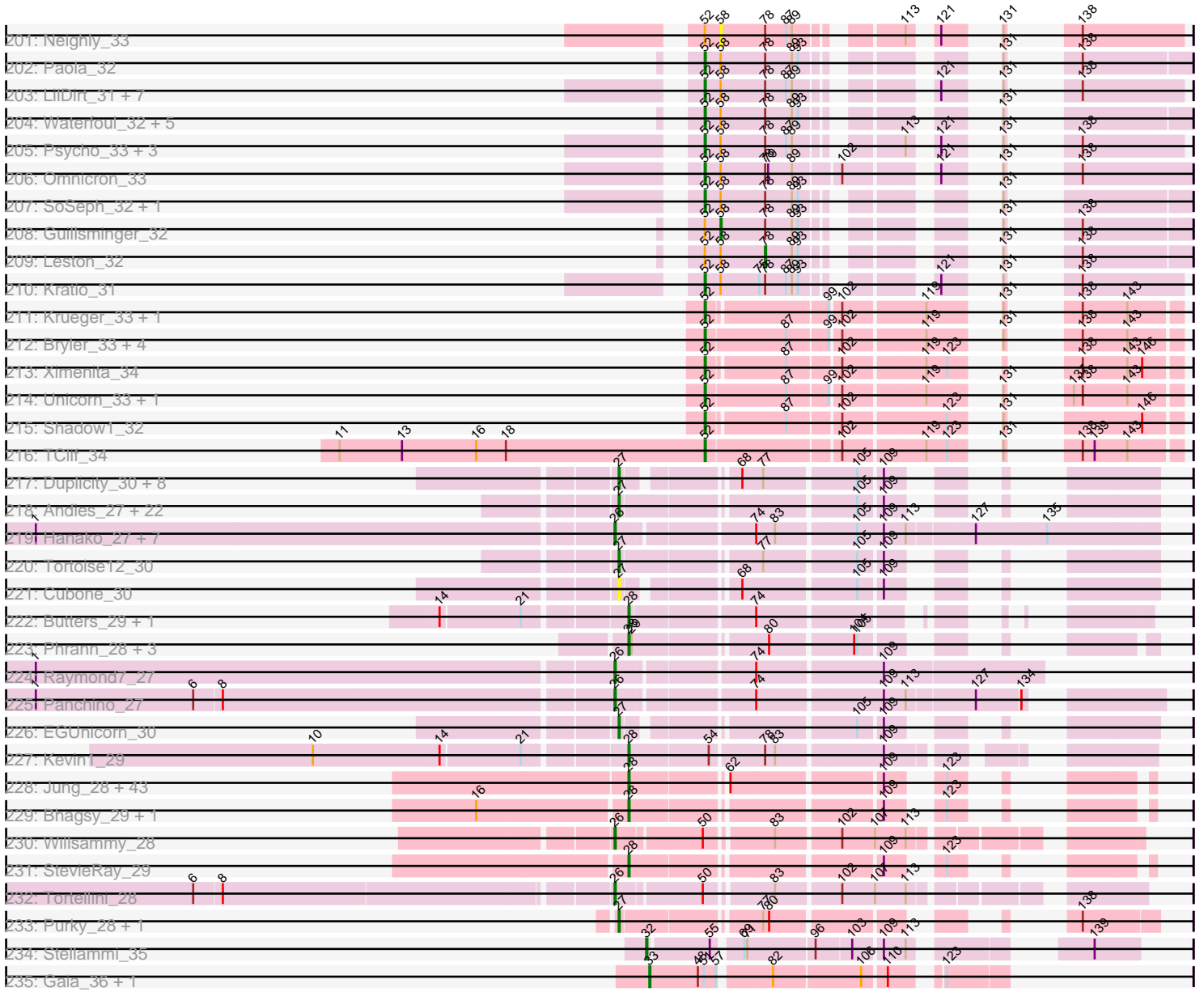
Pham 311014



Pham 311014



Pham 311014



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 311014 Report

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

Pham number 311014 has 941 members, 123 are drafts.

Phages represented in each track:

- Track 1 : Kimba_30, Bowtie_30, Mabel_30, Saskia_29, TinyTimmy_30
- Track 2 : Aneem_30, Flaverint_30, Salz_30, Hutc2_30, Bachome_30, Orange_30, Ebony_30, Sham4_30, Insomnia_30, Joselito_30, Jabith_30, Gilberta_30, Et2Brutus_29, Wolpertinger_29, Mulciber_30, MaCh_30, Fibonacci_30, Bud_30, Petersenfast_29, Snape_30, Munch_30, Lucivia_30, Timothy_30
- Track 3 : DarthPhader_31
- Track 4 : Pharaoh_30
- Track 5 : Zimmer_32
- Track 6 : Phlei_25
- Track 7 : Gail_30
- Track 8 : Jeeves_30
- Track 9 : SororFago_30
- Track 10 : Sunhee_30
- Track 11 : Luchador_32
- Track 12 : Anon_30
- Track 13 : Anaysia_32, Boohoo_32, Strosahl_32, DekHockey33_32, Oofda_32, ReMo_32, Remus_32, Rosalind_32, ShayRa_33, JSwag_32, Epsocamisio_32, Soups_32, MinecraftSteve_33, Waits_32, KatherineG_32, Nebulosus_32, Battleship_33, Looper_33, Ravana_32, Switzerland_32, LastResort_32, Warrior24_32
- Track 14 : Elle_30
- Track 15 : Nedarya_31
- Track 16 : LogiBear_32
- Track 17 : EagleEye_32, PainterBoy_31, Lucyedi_31
- Track 18 : 40AC_33
- Track 19 : MyraDee_28
- Track 20 : Kimona_27
- Track 21 : Baehexic_31, Piro94_31, NaSiaTalie_30
- Track 22 : Equemioh13_32, Gratitude_31, MiculUcigas_30, Flare16_30, Sknot_30, WideWale_32, Terrific_34, Updawg_32, Centaur_32
- Track 23 : TopsytheTRex_29
- Track 24 : Bradman_29, MajorMajor_29, Quokka_28
- Track 25 : Odin_29
- Track 26 : Pukovnik_32
- Track 27 : BengiVuitton_31, Deloris_31
- Track 28 : KingCyrus_32, JoshKayV_32, EvilGenius_32, ChipMunk_32
- Track 29 : BobSwaget_33, Lokk_33, Rachaly_33

- Track 30 : LionsBait_31, HippoHollow_31
- Track 31 : Kalpine_33
- Track 32 : NothingSpecial_32
- Track 33 : TarsusIV_30
- Track 34 : Leogania_32
- Track 35 : Adzzy_31, Ph8s_31
- Track 36 : WeiHuaDA_36
- Track 37 : Trixie_33
- Track 38 : MissWhite_30
- Track 39 : L5_30, Koduck_31
- Track 40 : Agape74_32, Dignity_32, AbbyPaige_32, Buggy_32
- Track 41 : Turbido_32, Jerm_32, Whabigail7_32, LilTurb_32, Smeagan_32
- Track 42 : Heffalump_32, DudeLittle_30, Crucio_30, FiringLine_30, QueenBeesly_30, Anselm_30, SemperFi_32, SweetiePie_30, QueenB2_30, Fameo_30, Retro23_30, Dalmatian_30, SnapTap_30
- Track 43 : ANI8_33, AN3_30, VC3_33, C3_28, AN9_33, VA6_30
- Track 44 : BiancaTri92_32
- Track 45 : Benvolio_30, Echild_30
- Track 46 : Superchunk_29, Caraxes_29
- Track 47 : Larenn_31, Drake55_32, HarryHoudini_32
- Track 48 : First_0030, CRB1_30
- Track 49 : BabyBack_32, GaugeLDP_32
- Track 50 : Malec_31
- Track 51 : Serenity_29
- Track 52 : Georgie2_31, Power_30
- Track 53 : Acolyte_30
- Track 54 : 20ES_30
- Track 55 : NicoleTera_34
- Track 56 : LadyBird_30
- Track 57 : EZMoney23_34
- Track 58 : SwirlSquare_31
- Track 59 : Trooper_30
- Track 60 : Miko_33
- Track 61 : Che12_32
- Track 62 : Jsquared_29
- Track 63 : XianYue_30
- Track 64 : Journey13_28
- Track 65 : Colin_34
- Track 66 : Leviathan_32
- Track 67 : Iwokeuplikedis_31
- Track 68 : Anthony_29
- Track 69 : FatCactus_28
- Track 70 : Kinmap_31
- Track 71 : Chargerpower_31
- Track 72 : LBerry_32, Sabinator_32, Hercules11_32, Montavir_31, Phoxy_32, GingkoMaracino_32, Mainiac_32, Cullens_32, Gwennie_31, Watson_32, Microwolf_32, P28Green_32, Soshari_34, Stagni_32, Lilith_32, Sabia_32, AgronaGT15_32, Dieselweasel_32, MuchMore_34, Vix_32, Anubis_34, Spike509_32, Rummer_32, SoYo_32, AugsMagnumOpus_34, Grub_32, Phoebe_32, Methuselah_31, Louie6_32, Malinsilva_34, Bxz2_31, Beauxregard13_32, MadMarie_32, StepMih_32, Penny1_32, Farber_32, EpicPhail_32, Wooldri_34, Aglet_32, Tiffany_32, Marie_32, HashRod_33, Pembroke_32, Fernando_32, PGHhamlin_34, Croquant_33, PotatoSplit_33, DaHudson_32, Snickers_32,

Bigflo_32, Colbster_32, Lowa_32, LugYA_34, JHC117_32, JenCasNa_32, GtownJaz_32, BreSam8_32, Grif_32, MoneyMay_32, Taurus_32

- Track 73 : Texage_30, Margo_31, QuinnKiro_30, Lambert1_31, Norbert_30, Todacoro_31, Caviar_31, Panamaxus_30, Noella_31, ResDef_31, Hookmount_31, Pocahontas_31, Popcicle_31, EtoileNova_31
- Track 74 : Kalb97_33, Reba_33, Manu_33, PurpleHaze_32, Pawn_32, Groupthink_33, Kalnoky_33, ClownCar_33, JeppNRM_33, ACFishhook_32, Marius_33, HaveUMetTed_33, OlanP_32, Phranny_33, Heliosoles_32, Calvinny_33, PhishRPhriends_31
- Track 75 : Puppy_31, Pistachio_31, Giroux_31, Idleandcovert_30, Bugatti_30, Clammy_30, SaturnRing_30, BlueBird_31, TNguyen7_30
- Track 76 : Fred313_30, Heathen_30, Roimos_30, Kachowdy_30, HeIDan_30, Zarafa_30, Marchesa_30, Scout_30, DropBear_30
- Track 77 : TinyPebbles_32, BuzzBuzz_31, LarryKay_32, Misomonster_34, Daishi_31
- Track 78 : Jobu08_32, Ollie_32
- Track 79 : Gemma_32
- Track 80 : Veracruz_30
- Track 81 : Phantastic_30
- Track 82 : B1_28, MK4_30, JF4_30, JF2_30
- Track 83 : BabyJohn_29, Chiqui_29
- Track 84 : SoilDragon_32
- Track 85 : Isca_30, Rockstar_30
- Track 86 : MA5_30
- Track 87 : BabyRay_30
- Track 88 : Zetzy_31
- Track 89 : MarQuardt_32
- Track 90 : KADY_33
- Track 91 : Grum1_32
- Track 92 : Micasa_27
- Track 93 : AgentM_27, PickleBack_27, Discoknowium_27, Phlorence_27
- Track 94 : Milcery_27, Tarynearal_26, Twigg_27, HuhtaEnerson15_27
- Track 95 : Jabiru_27, Archetta_27, PetterN_28, Chadwick_28, EITiger69_27, Benedict_27
- Track 96 : Midas2_27, Swirley_27, George_26, LittleCherry_27, Cuco_27, Prinash11_28, Coog_27
- Track 97 : Theia_25
- Track 98 : Bluefalcon_26
- Track 99 : Lev2_27, ForGetIt_27, Jovo_27, Conspiracy_27
- Track 100 : Florence1_27
- Track 101 : Bonamassa_27
- Track 102 : Ghoulboy_27, Zolita_26, SydNat_27
- Track 103 : UnionJack_27
- Track 104 : Naca_27
- Track 105 : Scorpia_28
- Track 106 : Dublin_26
- Track 107 : Aragog_27
- Track 108 : Airmid_27
- Track 109 : MarysWell_26
- Track 110 : Florence4_28
- Track 111 : Tiger_27
- Track 112 : BABullseye_33, Chartreuse_33, Dorothea_33, Kipper29_33, DaVinci_33, Kazan_33, Candra_33, Hoot_33, EricB_33, McFly_33, Polyphemus_33,

Newrala_33, BennyP_33, GreedyLawyer_33, Pmask_33, SuperAwesome_33, Cookiedough_33, Neeharika16_33, Isiphiwo_33, VohminGhazi_33, SuperCallie99_33, JewelBug_33, DelvinSonDorr_32, Jordennis_33, SmellyB_33

- Track 113 : Helmet_33, Gruunaga_33, Indra_33, Yokurt_33, Garak_34, Zaka_33, Jeffabunny_33, Lilbunny_33, WunderPhul_33, BlessJoy_33, Zulu_33, Wiks_33, Rifter_33, Hammer_33, CloudWang3_33, Gladiator_33, Blue7_33, Temprado_33
- Track 114 : Roksolana_33, Artemis2UCLA_33, Hexamo_33, Tucker_33, Koko_33, ToneTone_31
- Track 115 : Blinn1_33, Priamo_33
- Track 116 : Toro_32, FlyCatcher_33
- Track 117 : PP_39
- Track 118 : Sheen_31
- Track 119 : NearlyHeadless_27, Expelliarmus_26, Dixon_27, Smeadley_27, Caitlin_27, Groundhog_26
- Track 120 : Saintus_27, Danforth_26
- Track 121 : Stephig9_27
- Track 122 : Roary_27
- Track 123 : Astro_27
- Track 124 : Charm_30, DreamTeam1_30
- Track 125 : EmyBug_32, Eidsmoe_32, Ayanochan_33, Alma_32, ExplosioNervosa_32, Spouty_32, Qobbit_32, Priya_32
- Track 126 : Aliter_32, Pioneer_32, Fayely_32, Phonnegut_32, Horex_31, Catalina_33, Jiawan_31, PackMan_32, Phaeder_32, RyeScarlet_33, HortumSL17_32, Tubs_32, Ugenie5_29, Myxus_32, Beemo_32, Hanray_31, Scherzo_32
- Track 127 : Maminiaina_31, BogosyJay_31
- Track 128 : LoneWolf_31
- Track 129 : Rahalelujah_29, Bellris_28, CogOmlette_28, Minispark_28, WorldCup_28
- Track 130 : Lilleskat_30, Onglai_31
- Track 131 : Toaka_29
- Track 132 : Vanisoa_29
- Track 133 : Darrell_32
- Track 134 : Conquerage_32
- Track 135 : Klodlith_30
- Track 136 : Elephantoon_31
- Track 137 : EdogawaKiddo_30, Sachima_30
- Track 138 : SheaKeira_30
- Track 139 : Celestialunch_30
- Track 140 : MegTheThird_30
- Track 141 : Yecey3_31
- Track 142 : Keziacharles14_30
- Track 143 : Arissanae_30
- Track 144 : MalagasyRose_33
- Track 145 : LordVader_30
- Track 146 : KristaRAM_34, Hegedechwinu_34, KingJulian_33, LunaBlu_36, MilleniumForce_34, SassyB_33, Whatsapiecost_34, Jant_34, Brushbloom_34, Melissauren88_33, PopTart_33, Violac_34, Plumbus_35, Mova_34, Cornie_33, Batiatus_33, Emma_35, Juice456_35, Tweety_33, Medindi_34, Galactic_35, Latretium_34, Corium_33, Mandlovu_34, DLane_33, Hlubikazi_34, Doomslug_37, Flathead_33, Kenuha5_30, Ardmore_32, Beanstalk_38, VRedHorse_33, Fruitloop_32, Renaud18_33, Shauna1_30, Filuzino_33, Phanphagia_30, Blarby_42, Firehouse51_34, Strokeseat_34, OwlsT2W_34, Moonbeam_34, Gandalm_34,

MulchSalad_32, PatoPoderoso_33, Ms6_27, Bobi_35, SuperGrey_34, NewHope4_37, MinionDave_36, Coco12_33, SilverChicken_41, Donkeykong_33, Brookers_31, Byougenkin_33, Leozinho_35, Wachhund_33, Phalconet_33, JalFarm20_36

- Track 147 : Spartacus_35, Ochi17_31, WillSterrel_35, IrishSherpFalk_35, Llama_33, Jinglebell_32, Modragons_33, Oksu_34
- Track 148 : Slim_35, Emmaloid_35, Inventum_33, JoeyJr_33, Hamulus_34, SiSi_33, Veteran_33, Dorothy_33, BuzzLyseyear_36, Sassafras_34, DaddyRickover_33, Scottish_34, Frankie_37, Polka14_34, Daenerys_33, Spikelee_35, GUmble_33, RedBird_33, Alexphander_36, DaWorst_35, Phasih_34
- Track 149 : Eish_33, Gorge_33, PMC_33, Clank_31, Royals2015_33, Grimmer_35, DRBy19_33, Seagreen_34, Quico_34, Girafales_34, Saal_33, Sparkdehlily_33, EmiMonkey_34, James_33, Pacc40_33, Florinda_33, Nichirin_34, Rockne_33, Phatniss_34, Mattes_33, UncleRicky_36, Spoonbill_33, Kersh_32, Llij_33, Radiance_33, Drago_34, Karhdo_33, OlympiaSaint_33, ShroomBoi_30, Philus_33, Mutaforma13_33, Chuckly_33, TDanisky_33
- Track 150 : Fancypants_33, Mahavrat_33, Harley_33, DirtMcgirt_34, RitaG_34, Hades_34, Mozy_35, ArcusAngelus_33, Lucia_34, Ovechkin_34, lbhubesi_33
- Track 151 : Krakatau_34, Nitzel_34, DillTech15_33, Estave1_31, Mantra_33, Totinger_34, Peridot_38, DotProduct_33, Rialto_37, XFactor_33
- Track 152 : DoRead_34, Chevrolet_34, Ramsey_36
- Track 153 : Blexus_33, BodEinwohner17_33
- Track 154 : GigiOuiOui_33
- Track 155 : Yorick_33, NormanBulbieJr_33, Jarcob_33, LastJedi_27, ShiLan_33, Koella_27, Maravista_33, Cabrinians_33, LilMoolah_33, Lizziana_33, SwagPiggett_33, Priscilla_33, Jennelsea_27, Clifton_27, Martik_33, ShowerHandel_33, Nivrat_33, Burwell21_33, Pippy_27, Zizzle_33
- Track 156 : BigPhil_29, Sandalphon_34, Sarma624_29, Poenanya_33, RockyHorror_34, Velveteen_29, Bipolar_30, Cerasum_29, Doomphist_33, Sabbb_34, Zerg_33, Rita_34, StAnnes_32
- Track 157 : Awesomesauce_34, Misha28_34, TootsiePop_34
- Track 158 : Empress_34, OldBen_33, Doug_34, DeadP_33, Girr_35, Deb65_33, Ruby_35, MisterCuddles_35, BlueCrab_33, Whouxphf_34, PHappiness_33, KingMidas_35, IMpilo_32, Dante_33, Aubs_34, Taj_33, Wee_34, Starcevich_37, Geralt_33, Eradicator_33, Nimbo_33, Bubbles123_35, Stap_34
- Track 159 : SeaLumen_37, Enzomatic_38, Kingsley_32, Polo2Bam_38
- Track 160 : OgoPogo_33, QuickMath_34, Kimberlium_35, Cornucopia_34
- Track 161 : Tchotchke_33
- Track 162 : Beakin_34
- Track 163 : Seabastian_33, OfUltron_33, AlpineSix_34
- Track 164 : Juniper1_33, Leperchaun_33, PhilipPhlop_34, Madiba_31, Crumble_27
- Track 165 : Pollywog_33
- Track 166 : Akhila_27, MilanaBonita_27
- Track 167 : MulchExplorer_35
- Track 168 : Enby_35, SG4_34, Lorde_35, EleanorGeorge_34
- Track 169 : Piper2020_35
- Track 170 : MadMen_31
- Track 171 : BobaPhett_33, Topiatin_36
- Track 172 : Fastidio_35, FreddyB_33, LittleShirley_36, CheesePuff_36
- Track 173 : Marker_34, Soul22_38
- Track 174 : Tootsieroll_34
- Track 175 : CaptainTrips_34, Guppsters_35
- Track 176 : Brocalys_28

- Track 177 : Aloeri_35, ChickenDinner_35, DocMcStuffins_35
- Track 178 : Minnie_35, Okabe_34, Che8_35, Job42_37, DosHalletts_35
- Track 179 : PhesterPhotato_33
- Track 180 : IbOuu_34
- Track 181 : Mwanjiwa_34
- Track 182 : Vivum_34
- Track 183 : SimranZ1_36
- Track 184 : Boomer_35
- Track 185 : Squirty_28
- Track 186 : Island3_32, Bogie_31, Brujita_32
- Track 187 : HC_30, Babsiella_29
- Track 188 : Xula_27, QueenHazel_28
- Track 189 : PaintedDog_32
- Track 190 : Ejimix_51, Halley_51, HokkenD_44, EricMillard_51, Beem_51, ThreeRngTarjay_49, Hughesyang_49, Bagrid_50, Yeet_49, BAKA_55
- Track 191 : JuicyJay_53, Wanda_57, Xiaokay_46, Minerva_57, Pound_53, Duke13_54, Bombitas_48, Dove_48, DmpstrDiver_52, Kalah2_51, Constella_43, Klein_51, Schatzie_48, Odette_51, NihilNomen_50, Optimus_56, Phoebus_50
- Track 192 : Nekros_49, Gonephishing_52, Omega_55, Nibley_45, Ariel_50, Hidrated_51, Dallas_53, Superphikiman_50, Lucky2013_50, LittleE_55, Porcelain_49, MiaZeal_50, Squint_49, Courthouse_50, Marleymoo_52, Zelink_52, Redno2_49
- Track 193 : BronnyJames_43, Shaboozey_43
- Track 194 : Rearden_45
- Track 195 : Thibault_44
- Track 196 : Bobby_50
- Track 197 : Hannaconda_47, KashFlow_44
- Track 198 : Validus_33
- Track 199 : McMater_33, Chavito_33, Niklas_33, Dartin_33, Peanam_33, Shaobing_33, Richo_33
- Track 200 : LastHope_33
- Track 201 : Neighly_33
- Track 202 : Paola_32
- Track 203 : LilDirt_31, Collard_32, BananenDer11_32, DoubleChamp_32, Edugator_32, InvictusManeo_32, ViviJ_31, Agent47_32
- Track 204 : Waterfoul_32, Feyre_32, OkiRoe_32, Gengar_32, Thyatira_32, Miryou_32
- Track 205 : Psycho_33, AlleyCat_33, Larva_33, Dadosky_33
- Track 206 : Omnicron_33
- Track 207 : SoSeph_32, Heftyboy_32
- Track 208 : Guillsminger_32
- Track 209 : Leston_32
- Track 210 : Kratio_31
- Track 211 : Krueger_33, Tigress9_33
- Track 212 : Bryler_33, Cain_33, Phrank_33, Tierra_33, Sunflower1121_32
- Track 213 : Ximenita_34
- Track 214 : Unicorn_33, PhelpsODU_33
- Track 215 : Shadow1_32
- Track 216 : TClif_34
- Track 217 : Duplicity_30, Charlie_30, SkinnyPete_27, Bosection6_30, Aggie_30, Journey_30, Silvy_30, Scitech_27, Xeno_29
- Track 218 : Andies_27, Silvafighter_30, Tessdabest_29, Parmesanjohn_30, Pipsqueaks_30, Tapioca_30, MichelleMyBell_28, Chewbacca_30, Rebel_27,

Phloss_27, Snekmaggon_27, Shweta_27, Smurph_30, Philonius_30, SpongeBob_27, Gex_30, Melville_30, Magsby_30, Schnauzer_30, Carcharodon_30, Xerxes_30, Fulbright_29, Jamie19_27

- Track 219 : Hanako_27, Redi_27, Spinach_27, Nenae_27, PhancyPhin_27, ShrimpFriedEgg_27, BabeRuth_27, Purgamenstris_27
- Track 220 : Tortoise12_30
- Track 221 : Cubone_30
- Track 222 : Butters_29, Rubeelu_29
- Track 223 : Phrann_28, Bluvara_30, Impisi_29, Xavia_29
- Track 224 : Raymond7_27
- Track 225 : Panchino_27
- Track 226 : EGUnicorn_30
- Track 227 : Kevin1_29
- Track 228 : Jung_28, Gavriela_29, GreaseLightnin_29, Ksquared_29, Fishburne_29, Techage_29, BronnyJr_29, Brusacoram_29, Sonah_29, Shipwreck_31, Donovan_29, Pygmy_31, Jebeks_29, Etoile_29, Zilizebeth_29, CactusJack_29, Phegasus_29, Kari_29, Atcoo_29, Bartholomew_28, Glaske_29, Venti_29, Dynamo_29, Polkaroo_29, Necropolis_29, Mangethe_29, StressBall_29, HUHilltop_29, FirstPlacePfu_29, Vidya_29, Juniormint_29, Camster_29, Chubbello_29, Phalm_29, Majeke_29, KilKor_29, Phineas_29, Langerak_29, Bunnies_29, Megiddo_29, Malithi_29, Thespiis_29, Arib1_29, GaloreK_29
- Track 229 : Bhagsy_29, PeanutPie_29
- Track 230 : Willsammy_28
- Track 231 : StevieRay_29
- Track 232 : Tortellini_28
- Track 233 : Purky_28, WST1_28
- Track 234 : Stellammi_35
- Track 235 : Gaia_36, Nebkiss_37

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

The start number called the most often in the published annotations is 28, it was called in 267 of the 818 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akhila_27, Alexphander_36, Aloeri_35, ArcusAngelus_33, Ardmore_32, Arib1_29, Atcoo_29, Aubs_34, Awesomesauce_34, Babsiella_29, Bartholomew_28, Batiatus_33, Beakin_34, Beanstalk_38, Bhagsy_29, BigPhil_29, Bipolar_30, Blarby_42, Blexus_33, BlueCrab_33, Bluvara_30, Bobi_35, BodEinwohner17_33, Bogie_31, Boomer_35, Brocalys_28, BronnyJr_29, Brookers_31, Brujita_32, Brusacoram_29, Brushbloom_34, Bubbles123_35, Bunnies_29, Burwell21_33, Butters_29, BuzzLyseyear_36, Byougenkin_33, Cabrinians_33, CactusJack_29, Camster_29, CaptainTrips_34, Cerasum_29, Che8_35, ChickenDinner_35, Chubbello_29, Chuckly_33, Clank_31, Clifton_27, Coco12_33, Corium_33, Cornie_33, Cornucopia_34, DLane_33, DRBy19_33, DaWorst_35, DaddyRickover_33, Daenerys_33, Dante_33, DeadP_33, Deb65_33, DillTech15_33, DirtMcgirt_34, DocMcStuffins_35, Donkeykong_33, Donovan_29, Doomphist_33, Doomslug_37, Dorothy_33, DosHalletts_35, DotProduct_33, Doug_34, Drago_34, Dynamo_29, Eish_33, EleanorGeorge_34, EmiMonkey_34, Emma_35, Emmaloid_35, Empress_34, Enby_35, Enzomatic_38, Eradicator_33, Estave1_31,

Etoile_29, Fancypants_33, Filuzino_33, Firehouse51_34, FirstPlacePfu_29, Fishburne_29, Flathead_33, Florinda_33, Frankie_37, Fruitloop_32, GUmbie_33, Galactic_35, GaloreK_29, Gandolph_34, Gavriela_29, Geralt_33, Girafales_34, Girr_35, Glaske_29, Gorge_33, GreaseLightnin_29, Grimmer_35, Guppsters_35, HC_30, HUHilltop_29, Hades_34, Hamulus_34, Harley_33, Hegedechwinu_34, Hlubikazi_34, IMpilo_32, IbOuu_34, lbhubesi_33, Impisi_29, Inventum_33, IrishSherpFalk_35, Island3_32, JalFarm20_36, James_33, Jant_34, Jacob_33, Jebeks_29, Jennelsea_27, Jinglebell_32, Job42_37, JoeyJr_33, Juice456_35, Jung_28, Juniormint_29, Karhdo_33, Kari_29, Kenuha5_30, Kersh_32, Kevin1_29, KilKor_29, Kimberlium_35, KingJulian_33, KingMidas_35, Kingsley_32, Koella_27, Krakatau_34, KristaRAM_34, Ksquared_29, Langerak_29, LastJedi_27, Latretium_34, Leozinho_35, LilMoolah_33, Lizziana_33, Llama_33, Llij_33, LordVader_30, Lorde_35, Lucia_34, LunaBlu_36, MadMen_31, Mahavrat_33, Majeke_29, Malithi_29, Mandlovu_34, Mangethe_29, Mantra_33, Maravista_33, Marker_34, Martik_33, Mattes_33, Medindi_34, Megiddo_29, Melissauren88_33, MilanaBonita_27, MilleniumForce_34, MinionDave_36, Minnie_35, Misha28_34, MisterCuddles_35, Modragons_33, Moonbeam_34, Mova_34, Mozy_35, Ms6_27, MulchSalad_32, Mutaforma13_33, Necropolis_29, NewHope4_37, Nichirin_34, Nimbo_33, Nitzel_34, Nivrat_33, NormanBulbieJr_33, Ochi17_31, Ogopogo_33, Okabe_34, Oksu_34, OldBen_33, OlympiaSaint_33, Ovechkin_34, OwlsT2W_34, PHappiness_33, PMC_33, Pacc40_33, PatoPoderoso_33, PeanutPie_29, Peridot_38, Phalconet_33, Phalm_29, Phanphagia_30, Phasih_34, Phatniss_34, Phegasus_29, PhesterPhotato_33, Philus_33, Phineas_29, Phrann_28, Piper2020_35, Pippy_27, Plumbus_35, Poenanya_33, Polka14_34, Polkaroo_29, Pollywog_33, Polo2Bam_38, PopTart_33, Priscilla_33, Pygmy_31, QuickMath_34, Quico_34, Radiance_33, RedBird_33, Renaud18_33, Rialto_37, RitaG_34, Rita_34, Rockne_33, RockyHorror_34, Royals2015_33, Rubeelu_29, Ruby_35, SG4_34, Saal_33, Sabbb_34, Sandalphon_34, Sarma624_29, Sassafras_34, SassyB_33, Scottish_34, SeaLumen_37, Seagreen_34, Shauna1_30, ShiLan_33, Shipwreck_31, ShowerHandel_33, ShroomBoi_30, SiSi_33, SilverChicken_41, Slim_35, Sonah_29, Soul22_38, Sparkdehlily_33, Spartacus_35, Spikelee_35, Spoonbill_33, StAnnes_32, Stap_34, Starcevich_37, StevieRay_29, StressBall_29, Strokeseat_34, SuperGrey_34, SwagPigglett_33, TDanisky_33, Taj_33, Techage_29, Thespis_29, TootsiePop_34, Tootsieroll_34, Totinger_34, Tweety_33, UncleRicky_36, VRedHorse_33, Velveteen_29, Venti_29, Veteran_33, Vidya_29, Violac_34, Vivum_34, Wachhund_33, Wee_34, Whatsapiecost_34, Whouxphf_34, WillSterrel_35, XFactor_33, Xavia_29, Yorick_33, Zerg_33, Zilizebeth_29, Zizzle_33,

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

- AlpineSix_34, BobaPhett_33, Cheesepuff_36, Chevrolet_34, Crumble_27, DoRead_34, Fastidio_35, FreddyB_33, GigiOuiOui_33, Juniper1_33, Leperchaun_33, LittleShirley_36, Madiba_31, MulchExplorer_35, Mwanjiwa_34, OfUltron_33, PaintedDog_32, PhlipPhlop_34, QueenHazel_28, Ramsey_36, Sebastian_33, SimranZ1_36, Tchotchke_33, Topiatin_36, Xula_27,

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

- 20ES_30, 40AC_33, ACFishhook_32, AN3_30, AN9_33, ANI8_33, AbbyPaige_32, Acolyte_30, Adzzy_31, Agape74_32, Agent47_32, AgentM_27, Aggie_30, Aglet_32, AgronaGT15_32, Airmid_27, Aliter_32, AlleyCat_33, Alma_32, Anaysia_32, Andies_27, Aneem_30, Anon_30, Anselm_30, Anthony_29, Anubis_34, Aragog_27, Archetta_27, Ariel_50, Arissanae_30, Artemis2UCLA_33, Astro_27, AugsMagnumOpus_34, Ayanochan_33, B1_28, BABullseye_33, BAKA_55, BabeRuth_27, BabyBack_32, BabyJohn_29, BabyRay_30, Bachome_30,

Baehexic_31, Bagrid_50, BananenDer11_32, Battleship_33, Beauxregard13_32, Beem_51, Beemo_32, Bellris_28, Benedict_27, BengiVuitton_31, BennyP_33, Benvolio_30, BiancaTri92_32, Bigflo_32, BlessJoy_33, Blinn1_33, Blue7_33, BlueBird_31, Bluefalcon_26, BobSwaget_33, Bobby_50, BogosyJay_31, Bombitas_48, Bonamassa_27, Boohoo_32, Bosection6_30, Bowtie_30, Bradman_29, BreSam8_32, BronnyJames_43, Bryler_33, Bud_30, Bugatti_30, Buggy_32, BuzzBuzz_31, Bxz2_31, C3_28, CRB1_30, Cain_33, Caitlin_27, Calvinny_33, Candra_33, Caraxes_29, Carcharodon_30, Catalina_33, Caviar_31, Celestiallunch_30, Centaur_32, Chadwick_28, Chargerpower_31, Charlie_30, Charm_30, Chartreuse_33, Chavito_33, Che12_32, Chewbacca_30, ChipMunk_32, Chiqui_29, Clammy_30, CloudWang3_33, ClownCar_33, CogOmlette_28, Colbster_32, Colin_34, Collard_32, Conquerage_32, Conspiracy_27, Constella_43, Coog_27, Cookiedough_33, Courthouse_50, Croquant_33, Crucio_30, Cubone_30, Cuco_27, Cullens_32, DaHudson_32, DaVinci_33, Dadosky_33, Daishi_31, Dallas_53, Dalmatian_30, Danforth_26, Darrell_32, DARTHPhader_31, Dartin_33, DekHockey33_32, Deloris_31, DelvinSonDorr_32, Dieselweasel_32, Dignity_32, Discoknowium_27, Dixon_27, DmpstrDiver_52, Dorothea_33, DoubleChamp_32, Dove_48, Drake55_32, DreamTeam1_30, DropBear_30, Dublin_26, DudeLittle_30, Duke13_54, Duplicity_30, EGUunicorn_30, EZMoney23_34, EagleEye_32, Ebony_30, Echild_30, EdogawaKiddo_30, Edugator_32, Eidsmoe_32, Ejimix_51, ElTiger69_27, Elephantoon_31, Elle_30, EmyBug_32, EpicPhail_32, Epsocamisio_32, Equemioh13_32, EricB_33, EricMillard_51, Et2Brutus_29, EtoileNova_31, EvilGenius_32, Expelliarmus_26, ExplosioNervosa_32, Fameo_30, Farber_32, FatCactus_28, Fayely_32, Fernando_32, Feyre_32, Fibonacci_30, FiringLine_30, First_0030, Flare16_30, Flaverint_30, Florence1_27, Florence4_28, FlyCatcher_33, ForGetIt_27, Fred313_30, Fulbright_29, Gaia_36, Gail_30, Garak_34, GaugeLDP_32, Gemma_32, Gengar_32, George_26, Georgie2_31, Gex_30, Ghoulboy_27, Gilberta_30, GingkoMaracino_32, Giroux_31, Gladiator_33, Gonephishing_52, Gratitude_31, GreedyLawyer_33, Grif_32, Groundhog_26, Groupthink_33, Grub_32, Grum1_32, Gruunaga_33, GtownJaz_32, Guillsminger_32, Gwennie_31, Halley_51, Hammer_33, Hanako_27, Hannaconda_47, Hanray_31, HarryHoudini_32, HashRod_33, HaveUMetTed_33, Heathen_30, Heffalump_32, Heftyboy_32, HelDan_30, Heliosoles_32, Helmet_33, Hercules11_32, Hexamo_33, Hidrated_51, HippoHollow_31, HokkenD_44, Horex_31, Hookmount_31, Hoot_33, HortumSL17_32, Hughesyang_49, HuhtaEnerson15_27, Hutc2_30, Idleandcovert_30, Indra_33, Insomnia_30, InvictusManeo_32, Isca_30, Isiphiwo_33, Iwokeuplikedis_31, JF2_30, JF4_30, JHC117_32, JSwag_32, Jabiru_27, Jabith_30, Jamie19_27, Jeeves_30, Jeffabunny_33, JenCasNa_32, JeppNRM_33, Jerm_32, JewelBug_33, Jiawan_31, Jobu08_32, Jordennis_33, Joselito_30, JoshKayV_32, Journey13_28, Journey_30, Jovo_27, Jsquared_29, JuicyJay_53, KADY_33, Kachowdy_30, Kalah2_51, Kalb97_33, Kalnoky_33, Kalpine_33, KashFlow_44, KatherineG_32, Kazan_33, Keziacharles14_30, Kimba_30, Kimona_27, KingCyrus_32, Kinmap_31, Kipper29_33, Klein_51, Klodlith_30, Koduck_31, Koko_33, Kratio_31, Krueger_33, L5_30, LBerry_32, LadyBird_30, Lambert1_31, Larenn_31, LarryKay_32, Larva_33, LastHope_33, LastResort_32, Leogania_32, Leston_32, Lev2_27, Leviathan_32, LilDirt_31, LilTurb_32, Lilbunny_33, Lilit_32, Lilleskat_30, LionsBait_31, LittleCherry_27, LittleE_55, LogiBear_32, Lokk_33, LoneWolf_31, Looper_33, Louie6_32, Lowa_32, Luchador_32, Lucivia_30, Lucky2013_50, Lucyedi_31, LugYA_34, MA5_30, MK4_30, MaCh_30, Mabel_30, MadMarie_32, Magsby_30, Mainiac_32, MajorMajor_29, MalagasyRose_33, Malec_31, Malinsilva_34, Maminiaina_31, Manu_33, MarQuardt_32, Marchesa_30, Margo_31, Marie_32, Marius_33, Marleymoo_52, MarysWell_26, McFly_33, McMater_33, MegTheThird_30, Melville_30, Methuselah_31, MiaZeal_50,

Micasa_27, MichelleMyBell_28, Microwolf_32, MiculUcigas_30, Midas2_27, Miko_33, Milcery_27, MinecraftSteve_33, Minerva_57, Minispark_28, Miryou_32, Misomonster_34, MissWhite_30, MoneyMay_32, Montavir_31, MuchMore_34, Mulciber_30, Munch_30, MyraDee_28, Myxus_32, NaSiaTalie_30, Naca_27, NearlyHeadless_27, Nebkiss_37, Nebulosus_32, Nedarya_31, Neeharika16_33, Neighly_33, Nekros_49, Nenae_27, Newrala_33, Nibley_45, NicoleTera_34, NihilNomen_50, Niklas_33, Noella_31, Norbert_30, NothingSpecial_32, Odette_51, Odin_29, OkiRoe_32, OlanP_32, Ollie_32, Omega_55, Omnicron_33, Onglai_31, Oofda_32, Optimus_56, Orange_30, P28Green_32, PGHhamlin_34, PP_39, PackMan_32, PainterBoy_31, Panamaxus_30, Panchino_27, Paola_32, ParmesanJohn_30, Pawn_32, Peanam_33, Pembroke_32, Penny1_32, Petersenfast_29, PetterN_28, Ph8s_31, Phaeder_32, PhancyPhin_27, Phantastic_30, Pharaoh_30, PhelpsODU_33, Philonius_30, PhishRPhriends_31, Phlei_25, Phlorence_27, Phloss_27, Phoebe_32, Phoebus_50, Phonnegut_32, Phoxy_32, Phrank_33, Phranny_33, PickleBack_27, Pioneer_32, Pipsqueaks_30, Piro94_31, Pistachio_31, Pmask_33, Pocahontas_31, Polyphemus_33, Popcicle_31, Porcelain_49, PotatoSplit_33, Pound_53, Power_30, Priamo_33, Prinash11_28, Priya_32, Psycho_33, Pukovnik_32, Puppy_31, Purgamenstris_27, Purky_28, PurpleHaze_32, Qobbit_32, QueenB2_30, QueenBeesly_30, QuinnKiro_30, Quokka_28, Rachaly_33, Rahalelujah_29, Ravana_32, Raymond7_27, ReMo_32, Rearden_45, Reba_33, Rebel_27, Redi_27, Redno2_49, Remus_32, ResDef_31, Retro23_30, Richo_33, Rifter_33, Roary_27, Rockstar_30, Roimos_30, Roksolana_33, Rosalind_32, Rummer_32, RyeScarlet_33, Sabia_32, Sabinator_32, Sachima_30, Saintus_27, Salz_30, Saskia_29, SaturnRing_30, Schatzie_48, Scherzo_32, Schnauzer_30, Scitech_27, Scorpia_28, Scout_30, SemperFi_32, Serenity_29, Shaboozey_43, Shadow1_32, Sham4_30, Shaobing_33, ShayRa_33, SheaKeira_30, Sheen_31, ShrimpFriedEgg_27, Shweta_27, Silvafighter_30, Silvy_30, SkinnyPete_27, Sknot_30, Smeadley_27, Smeagan_32, SmellyB_33, Smurph_30, SnapTap_30, Snape_30, Snekmaggon_27, Snickers_32, SoSeph_32, SoYo_32, SoilDragon_32, SororFago_30, Soshari_34, Soups_32, Spike509_32, Spinach_27, SpongeBob_27, Spouty_32, Squint_49, Squirty_28, Stagni_32, Stellammi_35, StepMih_32, Stephig9_27, Strosahl_32, Sunflower1121_32, Sunhee_30, SuperAwesome_33, SuperCallie99_33, Superchunk_29, Superphikiman_50, SweetiePie_30, SwirlSquare_31, Swirley_27, Switzerland_32, SydNat_27, TClif_34, TNguyen7_30, Tapioca_30, TarsusIV_30, Tarynearal_26, Taurus_32, Temprado_33, Terrific_34, Tessdabest_29, Texage_30, Theia_25, Thibault_44, ThreeRngTarjay_49, Thyatira_32, Tierra_33, Tiffany_32, Tiger_27, Tigress9_33, Timothy_30, TinyPebbles_32, TinyTimmy_30, TopsytheTRex_29, Toaka_29, Todacoro_31, ToneTone_31, Toro_32, Tortellini_28, Tortoise12_30, Trixie_33, Trooper_30, Tubs_32, Tucker_33, Turbido_32, Twigg_27, Ugenie5_29, Unicorn_33, UnionJack_27, Updawg_32, VA6_30, VC3_33, Validus_33, Vanisoa_29, Veracruz_30, ViviJ_31, Vix_32, VohminGhazi_33, WST1_28, Waits_32, Wanda_57, Warrior24_32, Waterfoul_32, Watson_32, WeiHuaDA_36, Whabigail7_32, WideWale_32, Wiks_33, Willsammy_28, Wolpertinger_29, Wooldri_34, WorldCup_28, WunderPhul_33, Xen0_29, Xerxes_30, XianYue_30, Xiaokay_46, Ximenita_34, Yecey3_31, Yeet_49, Yokurt_33, Zaka_33, Zarafa_30, Zelink_52, Zetty_31, Zimmer_32, Zolita_26, Zulu_33,

Summary by start number:

Start 24:

- Found in 40 of 941 (4.3%) of genes in pham
- Manual Annotations of this start: 2 of 818

- Called 5.0% of time when present
- Phage (with cluster) where this start called: Bonamassa_27 (A5), Theia_25 (A5),

Start 26:

- Found in 12 of 941 (1.3%) of genes in pham
- Manual Annotations of this start: 12 of 818
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BabeRuth_27 (N), Hanako_27 (N), Nенаe_27 (N), Panchino_27 (N), PhancyPhin_27 (N), Purgamenstris_27 (N), Raymond7_27 (N), Redi_27 (N), ShrimpFriedEgg_27 (N), Spinach_27 (N), Tortellini_28 (P2), Willsammy_28 (P1),

Start 27:

- Found in 89 of 941 (9.5%) of genes in pham
- Manual Annotations of this start: 34 of 818
- Called 42.7% of time when present
- Phage (with cluster) where this start called: Aggie_30 (N), Andies_27 (N), Bosection6_30 (N), Carcharodon_30 (N), Charlie_30 (N), Chewbacca_30 (N), Cubone_30 (N), Duplicity_30 (N), EGUnicorn_30 (N), Fulbright_29 (N), Gex_30 (N), Jamie19_27 (N), Journey_30 (N), Magsby_30 (N), Melville_30 (N), MichelleMyBell_28 (N), Parmesanjohn_30 (N), Philonius_30 (N), Phloss_27 (N), Pipsqueaks_30 (N), Purky_28 (P6), Rebel_27 (N), Schnauzer_30 (N), Scitech_27 (N), Shweta_27 (N), Silvafighter_30 (N), Silvy_30 (N), SkinnyPete_27 (N), Smurph_30 (N), Snekmaggon_27 (N), SpongeBob_27 (N), Squirty_28 (F3), Tapioca_30 (N), Tessdabest_29 (N), Tortoise12_30 (N), WST1_28 (AJ), Xeno_29 (N), Xerxes_30 (N),

Start 28:

- Found in 324 of 941 (34.4%) of genes in pham
- Manual Annotations of this start: 267 of 818
- Called 92.3% of time when present
- Phage (with cluster) where this start called: Akhila_27 (F1), Alexphander_36 (F1), Aloeri_35 (F1), ArcusAngelus_33 (F1), Ardmore_32 (F1), Arib1_29 (P1), Atcoo_29 (P1), Aubs_34 (F1), Awesomesauce_34 (F1), Babsiella_29 (I1), Bartholomew_28 (P1), Batiatus_33 (F1), Beakin_34 (F1), Beanstalk_38 (F1), Bhagsy_29 (P1), BigPhil_29 (F1), Bipolar_30 (F1), Blarby_42 (F), Blexus_33 (F1), BlueCrab_33 (F1), Bluvara_30 (I3), Bobi_35 (F1), BodEinwohner17_33 (F1), Bogie_31 (P1), Boomer_35 (F1), Brocalys_28 (F1), BronnyJr_29 (P1), Brookers_31 (F1), Brujita_32 (I1), Brusacoram_29 (P1), Brushbloom_34 (F1), Bubbles123_35 (F1), Bunnies_29 (P1), Burwell21_33 (F1), Butters_29 (N), BuzzLyseyear_36 (F1), Byougenkin_33 (F1), Cabrinians_33 (F1), CactusJack_29 (P1), Camster_29 (P1), CaptainTrips_34 (F1), Cerasum_29 (F1), Che8_35 (F1), ChickenDinner_35 (F1), Chubbello_29 (P1), Chuckly_33 (F1), Clank_31 (F), Clifton_27 (F1), Coco12_33 (F1), Corium_33 (F1), Cornie_33 (F5), Cornucopia_34 (F1), DLane_33 (F1), DRBy19_33 (F1), DaWorst_35 (F1), DaddyRickover_33 (F1), Daenerys_33 (F1), Dante_33 (F1), DeadP_33 (F1), Deb65_33 (F1), DillTech15_33 (F1), DirtMcGirt_34 (F1), DocMcStuffins_35 (F1), Donkeykong_33 (F1), Donovan_29 (P1), Doomphist_33 (F1), Doomslug_37 (F), Dorothy_33 (F1), DosHalletts_35 (F1), DotProduct_33 (F1), Doug_34 (F1), Drago_34 (F1), Dynamo_29 (P1), Eish_33 (F1), EleanorGeorge_34 (F1), EmiMonkey_34 (F1), Emma_35 (F1), Emmaloid_35 (F1), Empress_34 (F1), Enby_35 (F1), Enzomatic_38 (F1), Eradicator_33 (F1), Estave1_31 (F1), Etoile_29 (P1), Fancypants_33 (F1), Filuzino_33 (F1), Firehouse51_34 (F1), FirstPlacePfu_29 (P1), Fishburne_29 (P1), Flathead_33 (F1), Florinda_33 (F1), Frankie_37 (F1), Fruitloop_32 (F1), GUmbie_33 (F1), Galactic_35 (F1), GaloreK_29 (P1), Gandolph_34 (F1), Gavriela_29 (P1),

Geralt_33 (F1), Girafales_34 (F1), Girr_35 (F1), Glaske_29 (P1), Gorge_33 (F1), GreaseLightnin_29 (P1), Grimmer_35 (F1), Guppsters_35 (F1), HC_30 (I1), HUHilltop_29 (P1), Hades_34 (F1), Hamulus_34 (F1), Harley_33 (F1), Hegedechwinu_34 (F1), Hlubikazi_34 (F1), IMpilo_32 (F1), IbOuu_34 (F1), Ibhubesi_33 (F1), Impisi_29 (N), Inventum_33 (F1), IrishSherpFalk_35 (F1), Island3_32 (I1), JalFarm20_36 (F1), James_33 (F1), Jant_34 (F1), Jarcob_33 (F1), Jebeks_29 (P1), Jennelsea_27 (F1), Jinglebell_32 (F1), Job42_37 (F1), JoeyJr_33 (F1), Juice456_35 (F1), Jung_28 (P1), Juniormint_29 (P1), Karhdo_33 (F1), Kari_29 (P1), Kenuha5_30 (F1), Kersh_32 (F1), Kevin1_29 (N), KilKor_29 (P1), Kimberlium_35 (F1), KingJulian_33 (F1), KingMidas_35 (F1), Kingsley_32 (F1), Koella_27 (F1), Krakatau_34 (F1), KristaRAM_34 (F1), Ksquared_29 (P1), Langerak_29 (P1), LastJedi_27 (F1), Latretium_34 (F1), Leozinho_35 (F1), LilMoolah_33 (F1), Lizziana_33 (F1), Llama_33 (F1), Llij_33 (F1), LordVader_30 (F), Lorde_35 (F1), Lucia_34 (F1), LunaBlu_36 (F1), MadMen_31 (F1), Mahavrat_33 (F1), Majeke_29 (P1), Malithi_29 (P1), Mandlovu_34 (F1), Mangethe_29 (P1), Mantra_33 (F1), Maravista_33 (F1), Marker_34 (F1), Martik_33 (F1), Mattes_33 (F1), Medindi_34 (F1), Megiddo_29 (P1), Melissauren88_33 (F1), MilanaBonita_27 (F1), MilleniumForce_34 (F1), MinionDave_36 (F1), Minnie_35 (F1), Misha28_34 (F1), MisterCuddles_35 (F1), Modragons_33 (F1), Moonbeam_34 (F1), Mova_34 (F1), Mozy_35 (F1), Ms6_27 (F1), MulchSalad_32 (F7), Mutaforma13_33 (F1), Necropolis_29 (P1), NewHope4_37 (F1), Nichirin_34 (F1), Nimbo_33 (F1), Nitzel_34 (F1), Nivrat_33 (F1), NormanBulbieJr_33 (F1), Ochi17_31 (F1), Ogotogo_33 (F1), Okabe_34 (F8), Oksu_34 (F1), OldBen_33 (F1), OlympiaSaint_33 (F1), Ovechkin_34 (F1), OwlsT2W_34 (F1), PHappiness_33 (F1), PMC_33 (F1), Pacc40_33 (F1), PatoPoderoso_33 (F1), PeanutPie_29 (P1), Peridot_38 (F1), Phalconet_33 (F1), Phalm_29 (P1), Phanphagia_30 (F1), Phasih_34 (F1), Phatniss_34 (F1), Phegasus_29 (P1), PhesterPhotato_33 (F1), Philus_33 (F1), Phineas_29 (P1), Phrann_28 (N), Piper2020_35 (F1), Pippy_27 (F1), Plumbus_35 (F1), Poenanya_33 (F1), Polka14_34 (F1), Polkaroo_29 (P1), Pollywog_33 (F1), Polo2Bam_38 (F1), PopTart_33 (F1), Priscilla_33 (F1), Pygmy_31 (P1), QuickMath_34 (F1), Quico_34 (F1), Radiance_33 (F1), RedBird_33 (F1), Renaud18_33 (F4), Rialto_37 (F1), RitaG_34 (F1), Rita_34 (F1), Rockne_33 (F1), RockyHorror_34 (F1), Royals2015_33 (F1), Rubeelu_29 (N), Ruby_35 (F1), SG4_34 (F1), Saal_33 (F1), Sabbb_34 (F1), Sandalphon_34 (F1), Sarma624_29 (F1), Sassafras_34 (F1), SassyB_33 (F1), Scottish_34 (F1), SeaLumen_37 (F1), Seagreen_34 (F1), Shauna1_30 (F1), ShiLan_33 (F1), Shipwreck_31 (P1), ShowerHandel_33 (F1), ShroomBoi_30 (F1), SiSi_33 (F1), SilverChicken_41 (F2), Slim_35 (F1), Sonah_29 (P1), Soul22_38 (F2), Sparkdehlily_33 (F1), Spartacus_35 (F1), Spikelee_35 (F1), Spoonbill_33 (F1), StAnnes_32 (F1), Stap_34 (F1), Starcevic_37 (F1), StevieRay_29 (P1), StressBall_29 (P1), Strokeseat_34 (F1), SuperGrey_34 (F1), SwagPigglett_33 (F1), TDanisky_33 (F1), Taj_33 (F1), Techage_29 (P1), Thespis_29 (P1), TootsiePop_34 (F1), Tootsieroll_34 (F1), Totinger_34 (F1), Tweety_33 (F1), UncleRicky_36 (F1), VRedHorse_33 (F1), Velveteen_29 (F1), Venti_29 (P1), Veteran_33 (F1), Vidya_29 (P1), Violac_34 (F1), Vivum_34 (F1), Wachhund_33 (F1), Wee_34 (F1), Whatsapiecost_34 (F1), Whouxphf_34 (F1), WillSterrel_35 (F1), XFactor_33 (F1), Xavia_29 (P3), Yorick_33 (F1), Zerg_33 (F1), Zilizebeth_29 (P1), Zizzle_33 (F1),

Start 29:

- Found in 104 of 941 (11.1%) of genes in pham
- Manual Annotations of this start: 19 of 818
- Called 19.2% of time when present
- Phage (with cluster) where this start called: AlpineSix_34 (F1), Cheesepuff_36 (F1), Chevrolet_34 (F1), Crumble_27 (F1), DoRead_34 (F1), Fastidio_35 (F1), FreddyB_33

(F1), GigiOuiOui_33 (F1), Juniper1_33 (F1), Leperchaun_33 (F1), LittleShirley_36 (F1), Madiba_31 (F1), MulchExplorer_35 (F1), OfUltron_33 (F1), PaintedDog_32 (I1), PhilipPhlop_34 (F1), QueenHazel_28 (I1), Ramsey_36 (F1), Sebastian_33 (F1), Xula_27 (I1),

Start 32:

- Found in 313 of 941 (33.3%) of genes in pham
- Manual Annotations of this start: 42 of 818
- Called 17.3% of time when present
- Phage (with cluster) where this start called: Ariel_50 (J), BAKA_55 (J), Bagrid_50 (J), Beem_51 (J), BobaPhett_33 (F1), Bobby_50 (J), Bombitas_48 (J), BronnyJames_43 (J), Constella_43 (J), Courthouse_50 (J), Dallas_53 (J), DmpstrDiver_52 (J), Dove_48 (J), Duke13_54 (J), Ejimix_51 (J), EricMillard_51 (J), Gonephishing_52 (J), Halley_51 (J), Hannaconda_47 (J), Hidrated_51 (J), HokkenD_44 (J), Hughesyang_49 (J), JuicyJay_53 (J), Kalah2_51 (J), KashFlow_44 (J), Klein_51 (J), LittleE_55 (J), Lucky2013_50 (J), Marleymoo_52 (J), MiaZeal_50 (J), Minerva_57 (J), Nekros_49 (J), Nibley_45 (J), NihilNomen_50 (J), Odette_51 (J), Omega_55 (J), Optimus_56 (J), Phoebus_50 (J), Porcelain_49 (J), Pound_53 (J), Rearden_45 (J), Redno2_49 (J), Schatzie_48 (J), Shaboozey_43 (J), Squint_49 (J), Stellammi_35 (UNK), Superphikiman_50 (J), Thibault_44 (J), ThreeRngTarjay_49 (J), Topiatin_36 (F1), Wanda_57 (J), Xiaokay_46 (J), Yeet_49 (J), Zelink_52 (J),

Start 33:

- Found in 2 of 941 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 818
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia_36 (X), Nebkiss_37 (X),

Start 35:

- Found in 410 of 941 (43.6%) of genes in pham
- Manual Annotations of this start: 20 of 818
- Called 6.1% of time when present
- Phage (with cluster) where this start called: 20ES_30 (A2), Acolyte_30 (A2), BengiVuitton_31 (A2), BiancaTri92_32 (A2), CRB1_30 (A2), ChipMunk_32 (A2), Deloris_31 (A2), EvilGenius_32 (A2), First_0030 (A2), Gemma_32 (A3), Georgie2_31 (A2), JoshKayV_32 (A2), KADY_33 (A3), KingCyrus_32 (A2), Leogania_32 (A2), Mwanjiwa_34 (F1), MyraDee_28 (A18), NothingSpecial_32 (A2), Pharaoh_30 (A12), Power_30 (A2), SimranZ1_36 (F1), TarsusIV_30 (A2), Tchotchke_33 (F1), Trooper_30 (A2), Veracruz_30 (A3),

Start 38:

- Found in 34 of 941 (3.6%) of genes in pham
- Manual Annotations of this start: 27 of 818
- Called 85.3% of time when present
- Phage (with cluster) where this start called: AN3_30 (A2), AN9_33 (A2), ANI8_33 (A2), Aneem_30 (A11), Bachome_30 (A11), Bud_30 (A11), C3_28 (A2), Ebony_30 (A11), Et2Brutus_29 (A11), Fibonacci_30 (A11), Flaverint_30 (A11), Gilberta_30 (A11), Hutc2_30 (A11), Insomnia_30 (A11), Jabith_30 (A11), Joselito_30 (A11), Lucivia_30 (A11), MaCh_30 (A11), Mulciber_30 (A11), Munch_30 (A11), Orange_30 (A11), Petersenfast_29 (A11), Salz_30 (A11), Sham4_30 (A11), Snape_30 (A11), Timothy_30 (A11), VA6_30 (A2), VC3_33 (A2), Wolpertinger_29 (A11),

Start 39:

- Found in 138 of 941 (14.7%) of genes in pham
- Manual Annotations of this start: 116 of 818
- Called 97.1% of time when present
- Phage (with cluster) where this start called: AbbyPaige_32 (A2), Adzzy_31 (A2), Agape74_32 (A2), Anaysia_32 (A15), Anon_30 (A15), Arissanae_30 (A9), Artemis2UCLA_33 (A6), BABullseye_33 (A6), Battleship_33 (A15), Bellris_28 (A9), BennyP_33 (A6), BlessJoy_33 (A6), Blinn1_33 (A6), Blue7_33 (A6), BogosyJay_31 (A9), Boohoo_32 (A15), Bowtie_30 (A11), Buggy_32 (A2), Candra_33 (A6), Caraxes_29 (A2), Celestiallunch_30 (A9), Chargerpower_31 (A22), Charm_30 (A9), Chartreuse_33 (A6), Che12_32 (A2), CloudWang3_33 (A6), CogOmlette_28 (A9), Colin_34 (A2), Cookiedough_33 (A6), DaVinci_33 (A6), DarthPhader_31 (A12), DekHockey33_32 (A15), DelvinSonDorr_32 (A6), Dignity_32 (A2), Dorothea_33 (A6), DreamTeam1_30 (A9), EagleEye_32 (A16), Elle_30 (A15), Epsocamisio_32 (A15), EricB_33 (A6), FatCactus_28 (A20), Gail_30 (A14), Garak_34 (A6), Gladiator_33 (A6), GreedyLawyer_33 (A6), Gruunaga_33 (A6), Hammer_33 (A6), Helmet_33 (A6), Hexamo_33 (A6), Hoot_33 (A6), Indra_33 (A6), Isiphiwo_33 (A6), JSwag_32 (A15), Jeeves_30 (A14), Jeffabunny_33 (A6), Jerm_32 (A2), JewelBug_33 (A6), Jordennis_33 (A6), KatherineG_32 (A15), Kazan_33 (A6), Keziacharles14_30 (A9), Kimba_30 (A11), Kinmap_31 (A21), Kipper29_33 (A6), Klodlith_30 (A9), Koduck_31 (A2), Koko_33 (A6), L5_30 (A2), LastResort_32 (A15), Leviathan_32 (A2), LilTurb_32 (A2), Lilbunny_33 (A6), LogiBear_32 (A15), Looper_33 (A15), Luchador_32 (A14), Lucyedi_31 (A16), Mabel_30 (A11), Maminina_31 (A9), McFly_33 (A6), MegTheThird_30 (A9), MinecraftSteve_33 (A15), Minispark_28 (A9), Nebulosus_32 (A15), Nedarya_31 (A15), Neeharika16_33 (A6), Newrala_33 (A6), Odin_29 (A2), Oofda_32 (A15), PainterBoy_31 (A16), Ph8s_31 (A2), Pmask_33 (A6), Polyphemus_33 (A6), Priamo_33 (A6), Rahalelujah_29 (A9), Ravana_32 (A15), ReMo_32 (A15), Remus_32 (A15), Rifter_33 (A6), Roksolana_33 (A6), Rosalind_32 (A15), Saskia_29 (A11), ShayRa_33 (A15), SheaKeira_30 (A9), Smeagan_32 (A2), SmellyB_33 (A6), SororFago_30 (A14), Soups_32 (A15), Strosahl_32 (A15), Sunhee_30 (A14), SuperAwesome_33 (A6), SuperCallie99_33 (A6), Superchunk_29 (A2), SwirlSquare_31 (A2), Switzerland_32 (A15), Temprado_33 (A6), TinyTimmy_30 (A11), ToneTone_31 (A6), Trixie_33 (A2), Tucker_33 (A6), Turbido_32 (A2), Vanisoa_29 (A9), VohminGhazi_33 (A6), Waits_32 (A15), Warrior24_32 (A15), Whabigail7_32 (A2), Wiks_33 (A6), WorldCup_28 (A9), WunderPhul_33 (A6), XianYue_30 (A2), Yecey3_31 (A9), Yokurt_33 (A6), Zaka_33 (A6), Zimmer_32 (A12), Zulu_33 (A6),

Start 40:

- Found in 35 of 941 (3.7%) of genes in pham
- Manual Annotations of this start: 26 of 818
- Called 94.3% of time when present
- Phage (with cluster) where this start called: Aliter_32 (A9), Alma_32 (A9), Ayanochan_33 (A9), Beemo_32 (A9), Catalina_33 (A9), Conquerage_32 (A9), Darrell_32 (A9), Eidsmoe_32 (A9), Elephantoon_31 (A9), EmyBug_32 (A9), ExplosioNervosa_32 (A9), Fayely_32 (A9), Hanray_31 (A9), Horex_31 (A9), HortumSL17_32 (A9), Jiawan_31 (A9), Journey13_28 (A2), Lilleskat_30 (A9), LoneWolf_31 (A9), MissWhite_30 (A2), Myxus_32 (A9), Onglai_31 (A9), PackMan_32 (A9), Phaeder_32 (A9), Phonnegut_32 (A9), Pioneer_32 (A9), Priya_32 (A9), Qobbit_32 (A9), RyeScarlet_33 (A9), Scherzo_32 (A9), Spouty_32 (A9), Tubs_32 (A9), Ugenie5_29 (A9),

Start 41:

- Found in 2 of 941 (0.2%) of genes in pham

- Manual Annotations of this start: 2 of 818
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anthony_29 (A20), Toaka_29 (A9),

Start 42:

- Found in 34 of 941 (3.6%) of genes in pham
- Manual Annotations of this start: 26 of 818
- Called 97.1% of time when present
- Phage (with cluster) where this start called: 40AC_33 (A17), BabyBack_32 (A2), Baehexic_31 (A2), Benvolio_30 (A2), Bradman_29 (A2), Centaur_32 (A2), Drake55_32 (A2), EZMoney23_34 (A2), Echid_30 (A2), Equemioh13_32 (A2), Flare16_30 (A2), GaugeLDP_32 (A2), Gratitude_31 (A2), HarryHoudini_32 (A2), Iwokeuplikedis_31 (A2), Jsquared_29 (A2), LadyBird_30 (A2), Larenn_31 (A2), MajorMajor_29 (A2), Malec_31 (A2), MiculUcigas_30 (A2), NaSiaTalie_30 (A2), NicoleTera_34 (A2), PP_39 (A7), Piro94_31 (A2), Pukovnik_32 (A2), Quokka_28 (A2), Serenity_29 (A2), Sknot_30 (A2), Terrific_34 (A2), TipsytheTRex_29 (A2), Updawg_32 (A2), WideWale_32 (A2),

Start 46:

- Found in 2 of 941 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Phlei_25 (A13),

Start 51:

- Found in 55 of 941 (5.8%) of genes in pham
- Manual Annotations of this start: 38 of 818
- Called 69.1% of time when present
- Phage (with cluster) where this start called: AgentM_27 (A5), Airmid_27 (A5), Archetta_27 (A5), Astro_27 (A8), Benedict_27 (A5), Bluefalcon_26 (A5), Caitlin_27 (A8), Chadwick_28 (A5), Conspiracy_27 (A5), Danforth_26 (A8), Discoknowium_27 (A5), Dixon_27 (A8), Dublin_26 (A5), EITiger69_27 (A5), Expelliarmus_26 (A8), ForGetIt_27 (A5), Ghoulboy_27 (A5), Groundhog_26 (A8), HuhtaEnerson15_27 (A5), Jabiru_27 (A5), Jovo_27 (A5), Lev2_27 (A5), Micasa_27 (A5), Milcery_27 (A5), NearlyHeadless_27 (A8), PetterN_28 (A5), Phlorence_27 (A5), PickleBack_27 (A5), Roary_27 (A8), Saintus_27 (A8), Scorpia_28 (A5), Smeadley_27 (A8), Stephig9_27 (A8), SydNat_27 (A5), Tarynearal_26 (A5), Twigg_27 (A5), UnionJack_27 (A5), Zolita_26 (A5),

Start 52:

- Found in 48 of 941 (5.1%) of genes in pham
- Manual Annotations of this start: 40 of 818
- Called 93.8% of time when present
- Phage (with cluster) where this start called: Agent47_32 (K5), AlleyCat_33 (K5), BananenDer11_32 (K5), Bryler_33 (K6), Cain_33 (K6), Chavito_33 (K1), Collard_32 (K5), Dadosky_33 (K5), Dartin_33 (K1), DoubleChamp_32 (K5), Edugator_32 (K5), Feyre_32 (K5), Gengar_32 (K5), Heftyboy_32 (K5), InvictusManeo_32 (K5), Kratio_31 (K5), Krueger_33 (K6), Larva_33 (K5), LastHope_33 (K1), LilDirt_31 (K5), MalagasyRose_33 (AG), McMater_33 (K1), Miryou_32 (K5), Niklas_33 (K1), OkiRoe_32 (K5), Omnicron_33 (K5), Paola_32 (K5), Peanam_33 (K1), PhelpsODU_33 (K6), Phrank_33 (K6), Psycho_33 (K5), Richo_33 (K1), Shadow1_32 (K6), Shaobing_33 (K1), SoSeph_32 (K5), Sunflower1121_32 (K6), TClif_34 (K6), Thyatira_32 (K5), Tierra_33 (K6), Tigress9_33 (K6), Unicorn_33 (K6), Validus_33

(K1), ViviJ_31 (K5), Waterfoul_32 (K5), Ximenita_34 (K6),

Start 53:

- Found in 134 of 941 (14.2%) of genes in pham
- Manual Annotations of this start: 113 of 818
- Called 97.8% of time when present
- Phage (with cluster) where this start called: ACFishhook_32 (A3), Aglet_32 (A3), AgronaGT15_32 (A3), Anubis_34 (A3), AugsMagnumOpus_34 (A3), B1_28 (A3), BabyJohn_29 (A3), BabyRay_30 (A3), Beauxregard13_32 (A3), Bigflo_32 (A3), BlueBird_31 (A3), BreSam8_32 (A3), Bugatti_30 (A3), BuzzBuzz_31 (A3), Bxz2_31 (A3), Calvinny_33 (A3), Caviar_31 (A3), Chiqui_29 (A3), Clammy_30 (A3), ClownCar_33 (A3), Colbster_32 (A3), Croquant_33 (A3), Cullens_32 (A3), DaHudson_32 (A3), Daishi_31 (A3), Dieselweasel_32 (A3), DropBear_30 (A3), EpicPhail_32 (A3), EtoileNova_31 (A3), Farber_32 (A3), Fernando_32 (A3), Fred313_30 (A3), GingkoMaracino_32 (A3), Giroux_31 (A3), Grif_32 (A3), Groupthink_33 (A3), Grub_32 (A3), Grum1_32 (A3), GtownJaz_32 (A3), Gwennie_31 (A3), HashRod_33 (A3), HaveUMetTed_33 (A3), Heathen_30 (A3), HelDan_30 (A3), Heliosoles_32 (A3), Hercules11_32 (A3), Hookmount_31 (A3), Idleandcovert_30 (A3), Isca_30 (A3), JF2_30 (A3), JF4_30 (A3), JHC117_32 (A3), JenCasNa_32 (A3), JeppNRM_33 (A3), Jobu08_32 (A3), Kachowdy_30 (A3), Kalb97_33 (A3), Kalnoky_33 (A3), LBerry_32 (A3), Lambert1_31 (A3), LarryKay_32 (A3), Lilith_32 (A3), Louie6_32 (A3), Lowa_32 (A3), LugYA_34 (A3), MA5_30 (A3), MK4_30 (A3), MadMarie_32 (A3), Mainiac_32 (A3), Malinsilva_34 (A3), Manu_33 (A3), MarQuardt_32 (A3), Marchesa_30 (A3), Margo_31 (A3), Marie_32 (A3), Marius_33 (A3), Methuselah_31 (A3), Microwolf_32 (A3), Misomonster_34 (A3), MoneyMay_32 (A3), Montavir_31 (A3), MuchMore_34 (A3), Noella_31 (A3), Norbert_30 (A3), OlanP_32 (A3), Ollie_32 (A3), P28Green_32 (A3), PGHhamlin_34 (A3), Panamaxus_30 (A3), Pawn_32 (A3), Pembroke_32 (A3), Penny1_32 (A3), Phantastic_30 (A3), PhishRPhriends_31 (A3), Phoebe_32 (A3), Phoxy_32 (A3), Phranny_33 (A3), Pistachio_31 (A3), Pocahontas_31 (A3), Popcicle_31 (A3), PotatoSplit_33 (A3), Puppy_31 (A3), PurpleHaze_32 (A3), QuinnKiro_30 (A3), Reba_33 (A3), ResDef_31 (A3), Rockstar_30 (A3), Roimos_30 (A3), Rummer_32 (A3), Sabia_32 (A3), Sabinator_32 (A3), SaturnRing_30 (A3), Scout_30 (A3), Snickers_32 (A3), SoYo_32 (A3), SoilDragon_32 (A3), Soshari_34 (A3), Spike509_32 (A3), Stagni_32 (A3), StepMih_32 (A3), TNguyen7_30 (A3), Taurus_32 (A3), Texage_30 (A3), Tiffany_32 (A3), TinyPebbles_32 (A3), Todacoro_31 (A3), Vix_32 (A3), Watson_32 (A3), Wooldri_34 (A3), Zarafa_30 (A3), Zetzy_31 (A3),

Start 54:

- Found in 3 of 941 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 818
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Kimona_27 (A19),

Start 55:

- Found in 26 of 941 (2.8%) of genes in pham
- Manual Annotations of this start: 1 of 818
- Called 11.5% of time when present
- Phage (with cluster) where this start called: FlyCatcher_33 (A7), Sheen_31 (A7), Toro_32 (A7),

Start 58:

- Found in 26 of 941 (2.8%) of genes in pham

- Manual Annotations of this start: 1 of 818
- Called 7.7% of time when present
- Phage (with cluster) where this start called: Guillsminger_32 (K5), Neighly_33 (K3),

Start 63:

- Found in 19 of 941 (2.0%) of genes in pham
- Manual Annotations of this start: 17 of 818
- Called 89.5% of time when present
- Phage (with cluster) where this start called: Anselm_30 (A2), BobSwaget_33 (A2), Crucio_30 (A2), Dalmatian_30 (A2), DudeLittle_30 (A2), Fameo_30 (A2), FiringLine_30 (A2), Heffalump_32 (A2), Lokk_33 (A2), Miko_33 (A2), QueenB2_30 (A2), QueenBeesly_30 (A2), Rachaly_33 (A2), Retro23_30 (A2), SemperFi_32 (A2), SnapTap_30 (A2), SweetiePie_30 (A2),

Start 64:

- Found in 110 of 941 (11.7%) of genes in pham
- Manual Annotations of this start: 10 of 818
- Called 12.7% of time when present
- Phage (with cluster) where this start called: Aragog_27 (A5), Coog_27 (A5), Cuco_27 (A5), Florence1_27 (A5), George_26 (A5), HippoHollow_31 (A2), LionsBait_31 (A2), LittleCherry_27 (A5), MarysWell_26 (A5), Midas2_27 (A5), Naca_27 (A5), Prinash11_28 (A5), Swirley_27 (A5), Tiger_27 (A5),

Start 67:

- Found in 104 of 941 (11.1%) of genes in pham
- No Manual Annotations of this start.
- Called 1.0% of time when present
- Phage (with cluster) where this start called: Florence4_28 (A5),

Start 72:

- Found in 74 of 941 (7.9%) of genes in pham
- No Manual Annotations of this start.
- Called 2.7% of time when present
- Phage (with cluster) where this start called: EdogawaKiddo_30 (A9), Sachima_30 (A9),

Start 73:

- Found in 17 of 941 (1.8%) of genes in pham
- Manual Annotations of this start: 1 of 818
- Called 11.8% of time when present
- Phage (with cluster) where this start called: Kalpine_33 (A2), WeiHuaDA_36 (A2),

Start 78:

- Found in 89 of 941 (9.5%) of genes in pham
- Manual Annotations of this start: 1 of 818
- Called 1.1% of time when present
- Phage (with cluster) where this start called: Leston_32 (K5),

Summary by clusters:

There are 43 clusters represented in this pham: AJ, A21, K3, K1, K6, K5, A15, A14, A17, A16, A11, A13, A12, I1, I3, A19, A18, A3, A2, A5, A7, A6, A9, A8, P2, P3, P1, P6, AG, F, J, F2, N, X, UNK, A20, F1, A22, F3, F4, F5, F7, F8,

Info for manual annotations of cluster A11:

- Start number 38 was manually annotated 21 times for cluster A11.
- Start number 39 was manually annotated 3 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 35 was manually annotated 1 time for cluster A12.
- Start number 39 was manually annotated 2 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 39 was manually annotated 5 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 39 was manually annotated 24 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 39 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 35 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 54 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 35 was manually annotated 14 times for cluster A2.
- Start number 38 was manually annotated 6 times for cluster A2.
- Start number 39 was manually annotated 20 times for cluster A2.
- Start number 40 was manually annotated 2 times for cluster A2.
- Start number 42 was manually annotated 25 times for cluster A2.
- Start number 63 was manually annotated 17 times for cluster A2.
- Start number 73 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A20:

- Start number 41 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 39 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 35 was manually annotated 3 times for cluster A3.
- Start number 53 was manually annotated 113 times for cluster A3.

Info for manual annotations of cluster A5:

- Start number 24 was manually annotated 2 times for cluster A5.
- Start number 51 was manually annotated 27 times for cluster A5.
- Start number 64 was manually annotated 10 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 39 was manually annotated 48 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 42 was manually annotated 1 time for cluster A7.
- Start number 55 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:

- Start number 51 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 39 was manually annotated 10 times for cluster A9.
- Start number 40 was manually annotated 24 times for cluster A9.
- Start number 41 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AG:

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

Info for manual annotations of cluster F1:

- Start number 28 was manually annotated 213 times for cluster F1.
- Start number 29 was manually annotated 17 times for cluster F1.
- Start number 32 was manually annotated 1 time for cluster F1.
- Start number 35 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:

- Start number 28 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster F3:

- Start number 27 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 28 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster F5:

- Start number 28 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster I1:

- Start number 28 was manually annotated 4 times for cluster I1.
- Start number 29 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster J:

- Start number 32 was manually annotated 40 times for cluster J.

Info for manual annotations of cluster K1:

- Start number 52 was manually annotated 5 times for cluster K1.

Info for manual annotations of cluster K5:

- Start number 52 was manually annotated 22 times for cluster K5.
- Start number 58 was manually annotated 1 time for cluster K5.

- Start number 78 was manually annotated 1 time for cluster K5.

Info for manual annotations of cluster K6:

- Start number 52 was manually annotated 12 times for cluster K6.

Info for manual annotations of cluster N:

- Start number 26 was manually annotated 10 times for cluster N.
- Start number 27 was manually annotated 32 times for cluster N.
- Start number 28 was manually annotated 4 times for cluster N.

Info for manual annotations of cluster P1:

- Start number 26 was manually annotated 1 time for cluster P1.
- Start number 28 was manually annotated 42 times for cluster P1.

Info for manual annotations of cluster P2:

- Start number 26 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 28 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P6:

- Start number 27 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster UNK:

- Start number 32 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster X:

- Start number 33 was manually annotated 2 times for cluster X.

Gene Information:

Gene: 20ES_30 Start: 22455, Stop: 22796, Start Num: 35

Candidate Starts for 20ES_30:

(17, 22299), (Start: 35 @22455 has 20 MA's), (Start: 64 @22527 has 10 MA's), (Start: 78 @22545 has 1 MA's), (123, 22674),

Gene: 40AC_33 Start: 24651, Stop: 24977, Start Num: 42

Candidate Starts for 40AC_33:

(20, 24492), (Start: 42 @24651 has 26 MA's), (Start: 64 @24678 has 10 MA's), (67, 24684), (74, 24699), (91, 24738), (93, 24741), (94, 24744), (122, 24852), (145, 24954),

Gene: ACFishhook_32 Start: 23128, Stop: 23430, Start Num: 53

Candidate Starts for ACFishhook_32:

(Start: 35 @23083 has 20 MA's), (Start: 53 @23128 has 113 MA's), (97, 23236),

Gene: AN3_30 Start: 22452, Stop: 22718, Start Num: 38

Candidate Starts for AN3_30:

(20, 22296), (Start: 38 @22452 has 27 MA's), (Start: 73 @22497 has 1 MA's), (76, 22506), (84, 22521),

Gene: AN9_33 Start: 22440, Stop: 22706, Start Num: 38

Candidate Starts for AN9_33:

(20, 22284), (Start: 38 @22440 has 27 MA's), (Start: 73 @22485 has 1 MA's), (76, 22494), (84, 22509),

Gene: ANI8_33 Start: 22440, Stop: 22706, Start Num: 38

Candidate Starts for ANI8_33:

(20, 22284), (Start: 38 @22440 has 27 MA's), (Start: 73 @22485 has 1 MA's), (76, 22494), (84, 22509),

Gene: AbbyPaige_32 Start: 22929, Stop: 23267, Start Num: 39

Candidate Starts for AbbyPaige_32:

(20, 22770), (Start: 39 @22929 has 116 MA's), (Start: 64 @22965 has 10 MA's), (67, 22971), (87, 23016), (91, 23025), (123, 23139), (126, 23154), (145, 23238),

Gene: Acolyte_30 Start: 22997, Stop: 23335, Start Num: 35

Candidate Starts for Acolyte_30:

(Start: 35 @22997 has 20 MA's), (59, 23057), (69, 23078), (Start: 78 @23087 has 1 MA's), (84, 23096), (90, 23111), (144, 23309),

Gene: Adzzy_31 Start: 21176, Stop: 21445, Start Num: 39

Candidate Starts for Adzzy_31:

(Start: 39 @21176 has 116 MA's), (69, 21215), (72, 21221), (88, 21257),

Gene: Agape74_32 Start: 22905, Stop: 23243, Start Num: 39

Candidate Starts for Agape74_32:

(20, 22746), (Start: 39 @22905 has 116 MA's), (Start: 64 @22941 has 10 MA's), (67, 22947), (87, 22992), (91, 23001), (123, 23115), (126, 23130), (145, 23214),

Gene: Agent47_32 Start: 28434, Stop: 28763, Start Num: 52

Candidate Starts for Agent47_32:

(Start: 52 @28434 has 40 MA's), (Start: 58 @28449 has 1 MA's), (Start: 78 @28494 has 1 MA's), (87, 28515), (89, 28521), (121, 28614), (131, 28641), (138, 28662),

Gene: AgentM_27 Start: 22303, Stop: 22623, Start Num: 51

Candidate Starts for AgentM_27:

(Start: 24 @22213 has 2 MA's), (Start: 51 @22303 has 38 MA's), (Start: 64 @22333 has 10 MA's), (67, 22339), (93, 22393), (109, 22465), (122, 22495), (123, 22498), (131, 22519), (139, 22552), (147, 22600), (152, 22615),

Gene: Aggie_30 Start: 24741, Stop: 25109, Start Num: 27

Candidate Starts for Aggie_30:

(Start: 27 @24741 has 34 MA's), (68, 24834), (77, 24852), (105, 24939), (109, 24960),

Gene: Aglet_32 Start: 22964, Stop: 23266, Start Num: 53

Candidate Starts for Aglet_32:

(34, 22916), (Start: 35 @22919 has 20 MA's), (Start: 53 @22964 has 113 MA's), (66, 22994),

Gene: AgronaGT15_32 Start: 22871, Stop: 23173, Start Num: 53

Candidate Starts for AgronaGT15_32:

(34, 22823), (Start: 35 @22826 has 20 MA's), (Start: 53 @22871 has 113 MA's), (66, 22901),

Gene: Airmid_27 Start: 21544, Stop: 21864, Start Num: 51

Candidate Starts for Airmid_27:

(Start: 24 @21454 has 2 MA's), (Start: 51 @21544 has 38 MA's), (Start: 64 @21574 has 10 MA's), (67, 21580), (109, 21706), (123, 21739), (131, 21760), (139, 21793), (152, 21856),

Gene: Akhila_27 Start: 24837, Stop: 25211, Start Num: 28

Candidate Starts for Akhila_27:

(3, 24318), (Start: 28 @24837 has 267 MA's), (Start: 32 @24852 has 42 MA's), (Start: 35 @24864 has 20 MA's), (109, 25071), (123, 25104),

Gene: Alexphander_36 Start: 29528, Stop: 29902, Start Num: 28

Candidate Starts for Alexphander_36:

(Start: 28 @29528 has 267 MA's), (30, 29534), (Start: 32 @29543 has 42 MA's), (Start: 35 @29555 has 20 MA's), (109, 29762), (123, 29795), (138, 29837),

Gene: Aliter_32 Start: 23936, Stop: 24304, Start Num: 40

Candidate Starts for Aliter_32:

(25, 23876), (Start: 40 @23936 has 26 MA's), (65, 23972), (72, 23978), (81, 23999), (88, 24017), (93, 24026), (113, 24125), (116, 24137), (120, 24158), (123, 24167),

Gene: AlleyCat_33 Start: 28365, Stop: 28694, Start Num: 52

Candidate Starts for AlleyCat_33:

(Start: 52 @28365 has 40 MA's), (Start: 58 @28380 has 1 MA's), (Start: 78 @28425 has 1 MA's), (87, 28446), (89, 28452), (113, 28530), (121, 28545), (131, 28572), (138, 28593),

Gene: Alma_32 Start: 24051, Stop: 24419, Start Num: 40

Candidate Starts for Alma_32:

(25, 23991), (Start: 40 @24051 has 26 MA's), (65, 24087), (72, 24093), (88, 24132), (93, 24141), (113, 24240), (116, 24252), (123, 24282), (125, 24294), (138, 24324),

Gene: Aloeri_35 Start: 29381, Stop: 29755, Start Num: 28

Candidate Starts for Aloeri_35:

(Start: 28 @29381 has 267 MA's), (Start: 32 @29396 has 42 MA's), (Start: 35 @29408 has 20 MA's), (109, 29615), (123, 29648),

Gene: AlpineSix_34 Start: 28978, Stop: 29349, Start Num: 29

Candidate Starts for AlpineSix_34:

(Start: 28 @28975 has 267 MA's), (Start: 29 @28978 has 19 MA's), (Start: 32 @28990 has 42 MA's), (Start: 35 @29002 has 20 MA's), (109, 29209), (122, 29239), (123, 29242), (138, 29284),

Gene: Anaysia_32 Start: 21408, Stop: 21749, Start Num: 39

Candidate Starts for Anaysia_32:

(Start: 39 @21408 has 116 MA's), (Start: 78 @21474 has 1 MA's), (84, 21486), (142, 21696), (150, 21732), (153, 21738),

Gene: Andies_27 Start: 23908, Stop: 24288, Start Num: 27

Candidate Starts for Andies_27:

(Start: 27 @23908 has 34 MA's), (105, 24118), (109, 24139),

Gene: Aneem_30 Start: 23073, Stop: 23396, Start Num: 38

Candidate Starts for Aneem_30:

(Start: 38 @23073 has 27 MA's), (43, 23082), (84, 23142), (88, 23154), (104, 23196), (116, 23253),

Gene: Anon_30 Start: 21972, Stop: 22313, Start Num: 39

Candidate Starts for Anon_30:

(Start: 39 @21972 has 116 MA's), (Start: 78 @22038 has 1 MA's), (95, 22083), (142, 22260), (150, 22296), (153, 22302),

Gene: Anselm_30 Start: 22585, Stop: 22872, Start Num: 63

Candidate Starts for Anselm_30:

(22, 22426), (Start: 63 @22585 has 17 MA's), (123, 22750), (131, 22771), (145, 22849),

Gene: Anthony_29 Start: 20938, Stop: 21222, Start Num: 41

Candidate Starts for Anthony_29:

(Start: 39 @20935 has 116 MA's), (Start: 41 @20938 has 2 MA's), (69, 20992), (76, 21007), (112, 21112),

Gene: Anubis_34 Start: 22849, Stop: 23151, Start Num: 53

Candidate Starts for Anubis_34:

(34, 22801), (Start: 35 @22804 has 20 MA's), (Start: 53 @22849 has 113 MA's), (66, 22879),

Gene: Aragog_27 Start: 22363, Stop: 22653, Start Num: 64

Candidate Starts for Aragog_27:

(Start: 24 @22243 has 2 MA's), (Start: 51 @22333 has 38 MA's), (Start: 64 @22363 has 10 MA's), (67, 22369), (93, 22423), (109, 22495), (122, 22525), (123, 22528), (131, 22549), (139, 22582), (147, 22630), (152, 22645),

Gene: Archetta_27 Start: 22126, Stop: 22446, Start Num: 51

Candidate Starts for Archetta_27:

(Start: 24 @22036 has 2 MA's), (Start: 51 @22126 has 38 MA's), (Start: 64 @22156 has 10 MA's), (67, 22162), (109, 22288), (123, 22321), (131, 22342), (139, 22375), (144, 22414), (152, 22438),

Gene: ArcusAngelus_33 Start: 29310, Stop: 29684, Start Num: 28

Candidate Starts for ArcusAngelus_33:

(Start: 28 @29310 has 267 MA's), (Start: 29 @29313 has 19 MA's), (Start: 32 @29325 has 42 MA's), (Start: 35 @29337 has 20 MA's), (59, 29397), (109, 29544), (123, 29577), (138, 29619),

Gene: Ardmore_32 Start: 28754, Stop: 29128, Start Num: 28

Candidate Starts for Ardmore_32:

(Start: 28 @28754 has 267 MA's), (Start: 32 @28769 has 42 MA's), (Start: 35 @28781 has 20 MA's), (109, 28988), (123, 29021),

Gene: Arib1_29 Start: 25491, Stop: 25850, Start Num: 28

Candidate Starts for Arib1_29:

(Start: 28 @25491 has 267 MA's), (62, 25578), (109, 25716), (123, 25749),

Gene: Ariel_50 Start: 40019, Stop: 40405, Start Num: 32

Candidate Starts for Ariel_50:

(Start: 32 @40019 has 42 MA's), (44, 40058), (49, 40073), (Start: 55 @40082 has 1 MA's), (109, 40229), (114, 40253), (123, 40271), (128, 40301), (130, 40313),

Gene: Arissanae_30 Start: 22064, Stop: 22444, Start Num: 39

Candidate Starts for Arissanae_30:

(Start: 27 @22013 has 34 MA's), (Start: 39 @22064 has 116 MA's), (47, 22085), (65, 22118), (84, 22151), (88, 22163), (93, 22172), (100, 22205), (116, 22283), (138, 22355),

Gene: Artemis2UCLA_33 Start: 22110, Stop: 22406, Start Num: 39

Candidate Starts for Artemis2UCLA_33:

(Start: 27 @22059 has 34 MA's), (Start: 39 @22110 has 116 MA's), (109, 22263), (125, 22308),

Gene: Astro_27 Start: 21234, Stop: 21515, Start Num: 51

Candidate Starts for Astro_27:

(37, 21201), (Start: 51 @21234 has 38 MA's), (Start: 64 @21261 has 10 MA's), (67, 21267), (Start: 78 @21291 has 1 MA's), (142, 21468), (144, 21483), (148, 21495), (151, 21504),

Gene: Atcoo_29 Start: 25974, Stop: 26333, Start Num: 28

Candidate Starts for Atcoo_29:

(Start: 28 @25974 has 267 MA's), (62, 26061), (109, 26199), (123, 26232),

Gene: Aubs_34 Start: 29089, Stop: 29463, Start Num: 28

Candidate Starts for Aubs_34:

(Start: 28 @29089 has 267 MA's), (Start: 32 @29104 has 42 MA's), (Start: 35 @29116 has 20 MA's), (109, 29323), (123, 29356), (138, 29398),

Gene: AugsMagnumOpus_34 Start: 22955, Stop: 23257, Start Num: 53

Candidate Starts for AugsMagnumOpus_34:

(34, 22907), (Start: 35 @22910 has 20 MA's), (Start: 53 @22955 has 113 MA's), (66, 22985),

Gene: Awesomesauce_34 Start: 28643, Stop: 29017, Start Num: 28

Candidate Starts for Awesomesauce_34:

(Start: 28 @28643 has 267 MA's), (Start: 32 @28658 has 42 MA's), (Start: 35 @28670 has 20 MA's), (59, 28730), (109, 28877), (123, 28910),

Gene: Ayanochan_33 Start: 24041, Stop: 24409, Start Num: 40

Candidate Starts for Ayanochan_33:

(25, 23981), (Start: 40 @24041 has 26 MA's), (65, 24077), (72, 24083), (88, 24122), (93, 24131), (113, 24230), (116, 24242), (123, 24272), (125, 24284), (138, 24314),

Gene: B1_28 Start: 22213, Stop: 22515, Start Num: 53

Candidate Starts for B1_28:

(23, 22114), (Start: 35 @22171 has 20 MA's), (Start: 53 @22213 has 113 MA's), (97, 22321), (113, 22387), (123, 22399),

Gene: BABullseye_33 Start: 22286, Stop: 22582, Start Num: 39

Candidate Starts for BABullseye_33:

(Start: 39 @22286 has 116 MA's), (74, 22340), (109, 22439), (125, 22484),

Gene: BAKA_55 Start: 43842, Stop: 44237, Start Num: 32

Candidate Starts for BAKA_55:

(Start: 32 @43842 has 42 MA's), (45, 43884), (49, 43896), (99, 44007), (109, 44052), (123, 44094), (129, 44127), (130, 44136),

Gene: BabeRuth_27 Start: 23790, Stop: 24299, Start Num: 26

Candidate Starts for BabeRuth_27:

(1, 23220), (Start: 26 @23790 has 12 MA's), (74, 23916), (83, 23934), (105, 24009), (109, 24036), (113, 24057), (127, 24120), (135, 24189),

Gene: Babsiella_29 Start: 25555, Stop: 25917, Start Num: 28

Candidate Starts for Babsiella_29:

(Start: 28 @25555 has 267 MA's), (Start: 29 @25558 has 19 MA's), (104, 25756), (105, 25759), (109, 25780), (123, 25813),

Gene: BabyBack_32 Start: 24024, Stop: 24350, Start Num: 42

Candidate Starts for BabyBack_32:

(Start: 42 @24024 has 26 MA's), (Start: 64 @24051 has 10 MA's), (67, 24057), (74, 24072), (93, 24114), (94, 24117), (123, 24228), (145, 24327),

Gene: BabyJohn_29 Start: 22795, Stop: 23097, Start Num: 53

Candidate Starts for BabyJohn_29:

(Start: 35 @22753 has 20 MA's), (Start: 53 @22795 has 113 MA's), (70, 22831), (123, 22981),

Gene: BabyRay_30 Start: 22773, Stop: 23075, Start Num: 53

Candidate Starts for BabyRay_30:

(Start: 35 @22731 has 20 MA's), (Start: 53 @22773 has 113 MA's), (97, 22881),

Gene: Bachome_30 Start: 23064, Stop: 23387, Start Num: 38

Candidate Starts for Bachome_30:

(Start: 38 @23064 has 27 MA's), (43, 23073), (84, 23133), (88, 23145), (104, 23187), (116, 23244),

Gene: Baehexic_31 Start: 22907, Stop: 23236, Start Num: 42

Candidate Starts for Baehexic_31:

(20, 22748), (Start: 42 @22907 has 26 MA's), (Start: 64 @22934 has 10 MA's), (67, 22940), (91, 22994), (102, 23039), (145, 23207),

Gene: Bagrid_50 Start: 43175, Stop: 43570, Start Num: 32

Candidate Starts for Bagrid_50:

(Start: 32 @43175 has 42 MA's), (45, 43217), (49, 43229), (99, 43340), (109, 43385), (123, 43427), (129, 43460), (130, 43469),

Gene: BananenDer11_32 Start: 28395, Stop: 28724, Start Num: 52

Candidate Starts for BananenDer11_32:

(Start: 52 @28395 has 40 MA's), (Start: 58 @28410 has 1 MA's), (Start: 78 @28455 has 1 MA's), (87, 28476), (89, 28482), (121, 28575), (131, 28602), (138, 28623),

Gene: Bartholomew_28 Start: 25485, Stop: 25844, Start Num: 28

Candidate Starts for Bartholomew_28:

(Start: 28 @25485 has 267 MA's), (62, 25572), (109, 25710), (123, 25743),

Gene: Batiatus_33 Start: 28747, Stop: 29121, Start Num: 28

Candidate Starts for Batiatus_33:

(Start: 28 @28747 has 267 MA's), (Start: 32 @28762 has 42 MA's), (Start: 35 @28774 has 20 MA's), (109, 28981), (123, 29014),

Gene: Battleship_33 Start: 21520, Stop: 21861, Start Num: 39

Candidate Starts for Battleship_33:

(Start: 39 @21520 has 116 MA's), (Start: 78 @21586 has 1 MA's), (84, 21598), (142, 21808), (150, 21844), (153, 21850),

Gene: Beakin_34 Start: 28661, Stop: 29035, Start Num: 28

Candidate Starts for Beakin_34:

(Start: 28 @28661 has 267 MA's), (Start: 29 @28664 has 19 MA's), (Start: 32 @28676 has 42 MA's), (Start: 35 @28688 has 20 MA's), (59, 28748), (105, 28874), (109, 28895), (123, 28928), (138, 28970),

Gene: Beanstalk_38 Start: 28952, Stop: 29326, Start Num: 28

Candidate Starts for Beanstalk_38:

(Start: 28 @28952 has 267 MA's), (Start: 32 @28967 has 42 MA's), (Start: 35 @28979 has 20 MA's), (109, 29186), (123, 29219),

Gene: Beauxregard13_32 Start: 22963, Stop: 23265, Start Num: 53

Candidate Starts for Beauxregard13_32:

(34, 22915), (Start: 35 @22918 has 20 MA's), (Start: 53 @22963 has 113 MA's), (66, 22993),

Gene: Beem_51 Start: 43741, Stop: 44136, Start Num: 32

Candidate Starts for Beem_51:

(Start: 32 @43741 has 42 MA's), (45, 43783), (49, 43795), (99, 43906), (109, 43951), (123, 43993), (129, 44026), (130, 44035),

Gene: Beemo_32 Start: 24042, Stop: 24410, Start Num: 40

Candidate Starts for Beemo_32:

(25, 23982), (Start: 40 @24042 has 26 MA's), (65, 24078), (72, 24084), (81, 24105), (88, 24123), (93, 24132), (113, 24231), (116, 24243), (120, 24264), (123, 24273),

Gene: Bellris_28 Start: 21862, Stop: 22227, Start Num: 39

Candidate Starts for Bellris_28:

(Start: 27 @21811 has 34 MA's), (Start: 39 @21862 has 116 MA's), (81, 21925), (84, 21931), (85, 21934), (114, 22054), (120, 22084), (123, 22093), (125, 22105),

Gene: Benedict_27 Start: 21547, Stop: 21867, Start Num: 51

Candidate Starts for Benedict_27:

(Start: 24 @21457 has 2 MA's), (Start: 51 @21547 has 38 MA's), (Start: 64 @21577 has 10 MA's), (67, 21583), (109, 21709), (123, 21742), (131, 21763), (139, 21796), (144, 21835), (152, 21859),

Gene: BengiVuitton_31 Start: 22849, Stop: 23190, Start Num: 35

Candidate Starts for BengiVuitton_31:

(Start: 35 @22849 has 20 MA's), (59, 22909), (Start: 64 @22921 has 10 MA's), (Start: 78 @22939 has 1 MA's), (123, 23068),

Gene: BennyP_33 Start: 22213, Stop: 22509, Start Num: 39

Candidate Starts for BennyP_33:

(Start: 39 @22213 has 116 MA's), (74, 22267), (109, 22366), (125, 22411),

Gene: Benvolio_30 Start: 22524, Stop: 22853, Start Num: 42

Candidate Starts for Benvolio_30:

(20, 22365), (Start: 42 @22524 has 26 MA's), (Start: 64 @22551 has 10 MA's), (67, 22557), (87, 22602), (91, 22611), (123, 22725), (126, 22740), (145, 22824),

Gene: Bhagsy_29 Start: 25483, Stop: 25842, Start Num: 28

Candidate Starts for Bhagsy_29:

(16, 25339), (Start: 28 @25483 has 267 MA's), (109, 25708), (123, 25741),

Gene: BiancaTri92_32 Start: 24210, Stop: 24560, Start Num: 35

Candidate Starts for BiancaTri92_32:

(17, 24051), (Start: 35 @24210 has 20 MA's), (Start: 64 @24282 has 10 MA's), (71, 24294), (122, 24426), (138, 24471),

Gene: BigPhil_29 Start: 24971, Stop: 25345, Start Num: 28

Candidate Starts for BigPhil_29:

(Start: 28 @24971 has 267 MA's), (30, 24977), (Start: 32 @24986 has 42 MA's), (Start: 35 @24998 has 20 MA's), (109, 25205), (123, 25238),

Gene: Bigflo_32 Start: 22962, Stop: 23264, Start Num: 53

Candidate Starts for Bigflo_32:

(34, 22914), (Start: 35 @22917 has 20 MA's), (Start: 53 @22962 has 113 MA's), (66, 22992),

Gene: Bipolar_30 Start: 27833, Stop: 28207, Start Num: 28

Candidate Starts for Bipolar_30:

(Start: 28 @27833 has 267 MA's), (30, 27839), (Start: 32 @27848 has 42 MA's), (Start: 35 @27860 has 20 MA's), (109, 28067), (123, 28100),

Gene: Blarby_42 Start: 29226, Stop: 29600, Start Num: 28

Candidate Starts for Blarby_42:

(Start: 28 @29226 has 267 MA's), (Start: 32 @29241 has 42 MA's), (Start: 35 @29253 has 20 MA's), (109, 29460), (123, 29493),

Gene: BlessJoy_33 Start: 22208, Stop: 22504, Start Num: 39

Candidate Starts for BlessJoy_33:

(Start: 27 @22157 has 34 MA's), (Start: 39 @22208 has 116 MA's), (71, 22256), (109, 22361), (125, 22406),

Gene: Blexus_33 Start: 29083, Stop: 29457, Start Num: 28

Candidate Starts for Blexus_33:

(19, 28963), (Start: 28 @29083 has 267 MA's), (Start: 32 @29098 has 42 MA's), (Start: 35 @29110 has 20 MA's), (109, 29317), (123, 29350),

Gene: Blinn1_33 Start: 22279, Stop: 22575, Start Num: 39

Candidate Starts for Blinn1_33:

(Start: 39 @22279 has 116 MA's), (71, 22327), (74, 22333), (109, 22432), (125, 22477),

Gene: Blue7_33 Start: 22200, Stop: 22496, Start Num: 39

Candidate Starts for Blue7_33:

(Start: 27 @22149 has 34 MA's), (Start: 39 @22200 has 116 MA's), (71, 22248), (109, 22353), (125, 22398),

Gene: BlueBird_31 Start: 22524, Stop: 22826, Start Num: 53

Candidate Starts for BlueBird_31:

(23, 22422), (Start: 35 @22479 has 20 MA's), (Start: 53 @22524 has 113 MA's), (66, 22554), (72, 22563),

Gene: BlueCrab_33 Start: 28933, Stop: 29307, Start Num: 28

Candidate Starts for BlueCrab_33:

(Start: 28 @28933 has 267 MA's), (Start: 32 @28948 has 42 MA's), (Start: 35 @28960 has 20 MA's), (109, 29167), (123, 29200), (138, 29242),

Gene: Bluefalcon_26 Start: 22383, Stop: 22703, Start Num: 51

Candidate Starts for Bluefalcon_26:

(Start: 24 @22293 has 2 MA's), (Start: 51 @22383 has 38 MA's), (Start: 64 @22413 has 10 MA's), (67, 22419), (104, 22521), (109, 22545), (113, 22566), (123, 22578), (131, 22599), (139, 22632), (152, 22695),

Gene: Bluvara_30 Start: 25885, Stop: 26265, Start Num: 28

Candidate Starts for Bluvara_30:

(Start: 28 @25885 has 267 MA's), (Start: 29 @25888 has 19 MA's), (80, 26008), (104, 26086), (105, 26089),

Gene: BobSwaget_33 Start: 24051, Stop: 24338, Start Num: 63

Candidate Starts for BobSwaget_33:

(22, 23892), (Start: 63 @24051 has 17 MA's), (123, 24216), (131, 24237), (145, 24315),

Gene: BobaPhett_33 Start: 28968, Stop: 29327, Start Num: 32

Candidate Starts for BobaPhett_33:

(Start: 28 @28953 has 267 MA's), (Start: 29 @28956 has 19 MA's), (Start: 32 @28968 has 42 MA's), (Start: 35 @28980 has 20 MA's), (109, 29187), (123, 29220), (138, 29262),

Gene: Bobby_50 Start: 42341, Stop: 42715, Start Num: 32

Candidate Starts for Bobby_50:

(Start: 32 @42341 has 42 MA's), (45, 42383), (49, 42395), (99, 42506), (109, 42551), (123, 42593), (130, 42635), (132, 42647),

Gene: Bobi_35 Start: 29460, Stop: 29834, Start Num: 28

Candidate Starts for Bobi_35:

(Start: 28 @29460 has 267 MA's), (Start: 32 @29475 has 42 MA's), (Start: 35 @29487 has 20 MA's), (109, 29694), (123, 29727),

Gene: BodEinwohner17_33 Start: 29153, Stop: 29527, Start Num: 28

Candidate Starts for BodEinwohner17_33:

(19, 29033), (Start: 28 @29153 has 267 MA's), (Start: 32 @29168 has 42 MA's), (Start: 35 @29180 has 20 MA's), (109, 29387), (123, 29420),

Gene: Bogie_31 Start: 27268, Stop: 27627, Start Num: 28

Candidate Starts for Bogie_31:

(14, 27100), (21, 27178), (Start: 28 @27268 has 267 MA's), (Start: 32 @27286 has 42 MA's), (59, 27355), (104, 27469), (109, 27493), (123, 27526),

Gene: BogosyJay_31 Start: 23567, Stop: 23932, Start Num: 39

Candidate Starts for BogosyJay_31:

(20, 23408), (Start: 39 @23567 has 116 MA's), (65, 23603), (72, 23609), (84, 23636), (88, 23648), (113, 23756), (116, 23768), (139, 23852),

Gene: Bombitas_48 Start: 43335, Stop: 43730, Start Num: 32

Candidate Starts for Bombitas_48:

(Start: 32 @43335 has 42 MA's), (45, 43377), (49, 43389), (99, 43500), (109, 43545), (123, 43587), (129, 43620), (130, 43629), (132, 43641),

Gene: Bonamassa_27 Start: 22134, Stop: 22544, Start Num: 24

Candidate Starts for Bonamassa_27:

(Start: 24 @22134 has 2 MA's), (Start: 51 @22224 has 38 MA's), (Start: 64 @22254 has 10 MA's), (67, 22260), (104, 22362), (109, 22386), (113, 22407), (123, 22419), (131, 22440), (139, 22473), (147, 22521), (152, 22536),

Gene: Boohoo_32 Start: 21408, Stop: 21749, Start Num: 39

Candidate Starts for Boohoo_32:

(Start: 39 @21408 has 116 MA's), (Start: 78 @21474 has 1 MA's), (84, 21486), (142, 21696), (150, 21732), (153, 21738),

Gene: Boomer_35 Start: 28823, Stop: 29197, Start Num: 28

Candidate Starts for Boomer_35:

(Start: 28 @28823 has 267 MA's), (Start: 32 @28838 has 42 MA's), (Start: 35 @28850 has 20 MA's), (Start: 78 @28952 has 1 MA's), (83, 28961), (109, 29057), (123, 29090),

Gene: Bosection6_30 Start: 24740, Stop: 25108, Start Num: 27

Candidate Starts for Bosection6_30:

(Start: 27 @24740 has 34 MA's), (68, 24833), (77, 24851), (105, 24938), (109, 24959),

Gene: Bowtie_30 Start: 23076, Stop: 23396, Start Num: 39

Candidate Starts for Bowtie_30:

(Start: 38 @23073 has 27 MA's), (Start: 39 @23076 has 116 MA's), (43, 23082), (84, 23142), (88, 23154), (104, 23196), (116, 23253),

Gene: Bradman_29 Start: 21322, Stop: 21645, Start Num: 42

Candidate Starts for Bradman_29:

(Start: 27 @21274 has 34 MA's), (Start: 42 @21322 has 26 MA's), (Start: 64 @21349 has 10 MA's), (67, 21355), (72, 21364), (101, 21451),

Gene: BreSam8_32 Start: 22956, Stop: 23258, Start Num: 53

Candidate Starts for BreSam8_32:

(34, 22908), (Start: 35 @22911 has 20 MA's), (Start: 53 @22956 has 113 MA's), (66, 22986),

Gene: Brocalys_28 Start: 24550, Stop: 24924, Start Num: 28

Candidate Starts for Brocalys_28:

(Start: 28 @24550 has 267 MA's), (Start: 32 @24565 has 42 MA's), (Start: 35 @24577 has 20 MA's), (59, 24637), (109, 24784), (122, 24814), (123, 24817),

Gene: BronnyJames_43 Start: 37604, Stop: 37990, Start Num: 32

Candidate Starts for BronnyJames_43:

(Start: 32 @37604 has 42 MA's), (44, 37643), (49, 37658), (Start: 55 @37667 has 1 MA's), (109, 37814), (114, 37838), (123, 37856), (128, 37886), (130, 37898),

Gene: BronnyJr_29 Start: 25950, Stop: 26309, Start Num: 28

Candidate Starts for BronnyJr_29:

(Start: 28 @25950 has 267 MA's), (62, 26037), (109, 26175), (123, 26208),

Gene: Brookers_31 Start: 27696, Stop: 28070, Start Num: 28

Candidate Starts for Brookers_31:

(Start: 28 @27696 has 267 MA's), (Start: 32 @27711 has 42 MA's), (Start: 35 @27723 has 20 MA's), (109, 27930), (123, 27963),

Gene: Brujita_32 Start: 27623, Stop: 27982, Start Num: 28

Candidate Starts for Brujita_32:

(14, 27455), (21, 27533), (Start: 28 @27623 has 267 MA's), (Start: 32 @27641 has 42 MA's), (59, 27710), (104, 27824), (109, 27848), (123, 27881),

Gene: Brusacoram_29 Start: 25480, Stop: 25839, Start Num: 28

Candidate Starts for Brusacoram_29:

(Start: 28 @25480 has 267 MA's), (62, 25567), (109, 25705), (123, 25738),

Gene: Brushbloom_34 Start: 28771, Stop: 29145, Start Num: 28

Candidate Starts for Brushbloom_34:

(Start: 28 @28771 has 267 MA's), (Start: 32 @28786 has 42 MA's), (Start: 35 @28798 has 20 MA's), (109, 29005), (123, 29038),

Gene: Bryler_33 Start: 27088, Stop: 27450, Start Num: 52

Candidate Starts for Bryler_33:

(Start: 52 @27088 has 40 MA's), (87, 27166), (99, 27205), (102, 27214), (119, 27292), (131, 27334), (138, 27355), (143, 27400),

Gene: Bubbles123_35 Start: 29738, Stop: 30112, Start Num: 28

Candidate Starts for Bubbles123_35:

(Start: 28 @29738 has 267 MA's), (Start: 32 @29753 has 42 MA's), (Start: 35 @29765 has 20 MA's), (109, 29972), (123, 30005), (138, 30047),

Gene: Bud_30 Start: 23079, Stop: 23402, Start Num: 38

Candidate Starts for Bud_30:

(Start: 38 @23079 has 27 MA's), (43, 23088), (84, 23148), (88, 23160), (104, 23202), (116, 23259),

Gene: Bugatti_30 Start: 22524, Stop: 22826, Start Num: 53

Candidate Starts for Bugatti_30:

(23, 22422), (Start: 35 @22479 has 20 MA's), (Start: 53 @22524 has 113 MA's), (66, 22554), (72, 22563),

Gene: Buggy_32 Start: 22928, Stop: 23266, Start Num: 39

Candidate Starts for Buggy_32:

(20, 22769), (Start: 39 @22928 has 116 MA's), (Start: 64 @22964 has 10 MA's), (67, 22970), (87, 23015), (91, 23024), (123, 23138), (126, 23153), (145, 23237),

Gene: Bunnies_29 Start: 25501, Stop: 25860, Start Num: 28

Candidate Starts for Bunnies_29:

(Start: 28 @25501 has 267 MA's), (62, 25588), (109, 25726), (123, 25759),

Gene: Burwell21_33 Start: 28937, Stop: 29311, Start Num: 28

Candidate Starts for Burwell21_33:

(Start: 28 @28937 has 267 MA's), (Start: 32 @28952 has 42 MA's), (Start: 35 @28964 has 20 MA's), (109, 29171), (122, 29201), (123, 29204), (138, 29246),

Gene: Butters_29 Start: 24134, Stop: 24508, Start Num: 28

Candidate Starts for Butters_29:

(14, 23966), (21, 24044), (Start: 28 @24134 has 267 MA's), (74, 24251),

Gene: BuzzBuzz_31 Start: 23047, Stop: 23352, Start Num: 53

Candidate Starts for BuzzBuzz_31:

(34, 22999), (Start: 35 @23002 has 20 MA's), (Start: 53 @23047 has 113 MA's), (66, 23077), (139, 23287),

Gene: BuzzLyseyear_36 Start: 29552, Stop: 29926, Start Num: 28

Candidate Starts for BuzzLyseyear_36:

(Start: 28 @29552 has 267 MA's), (30, 29558), (Start: 32 @29567 has 42 MA's), (Start: 35 @29579 has 20 MA's), (109, 29786), (123, 29819), (138, 29861),

Gene: Bxz2_31 Start: 23057, Stop: 23359, Start Num: 53

Candidate Starts for Bxz2_31:

(34, 23009), (Start: 35 @23012 has 20 MA's), (Start: 53 @23057 has 113 MA's), (66, 23087),

Gene: Byougenkin_33 Start: 28835, Stop: 29209, Start Num: 28

Candidate Starts for Byougenkin_33:

(Start: 28 @28835 has 267 MA's), (Start: 32 @28850 has 42 MA's), (Start: 35 @28862 has 20 MA's), (109, 29069), (123, 29102),

Gene: C3_28 Start: 22440, Stop: 22706, Start Num: 38

Candidate Starts for C3_28:

(20, 22284), (Start: 38 @22440 has 27 MA's), (Start: 73 @22485 has 1 MA's), (76, 22494), (84, 22509),

Gene: CRB1_30 Start: 22412, Stop: 22753, Start Num: 35

Candidate Starts for CRB1_30:

(17, 22256), (Start: 35 @22412 has 20 MA's), (Start: 64 @22484 has 10 MA's), (Start: 78 @22502 has 1 MA's), (123, 22631),

Gene: Cabrinians_33 Start: 29015, Stop: 29389, Start Num: 28

Candidate Starts for Cabrinians_33:

(Start: 28 @29015 has 267 MA's), (Start: 32 @29030 has 42 MA's), (Start: 35 @29042 has 20 MA's), (109, 29249), (122, 29279), (123, 29282), (138, 29324),

Gene: CactusJack_29 Start: 25744, Stop: 26103, Start Num: 28

Candidate Starts for CactusJack_29:

(Start: 28 @25744 has 267 MA's), (62, 25831), (109, 25969), (123, 26002),

Gene: Cain_33 Start: 27076, Stop: 27438, Start Num: 52

Candidate Starts for Cain_33:

(Start: 52 @27076 has 40 MA's), (87, 27154), (99, 27193), (102, 27202), (119, 27280), (131, 27322), (138, 27343), (143, 27388),

Gene: Caitlin_27 Start: 21230, Stop: 21511, Start Num: 51

Candidate Starts for Caitlin_27:

(Start: 51 @21230 has 38 MA's), (Start: 64 @21257 has 10 MA's), (67, 21263), (Start: 78 @21287 has 1 MA's), (93, 21317), (142, 21464), (144, 21479), (148, 21491), (151, 21500),

Gene: Calvinny_33 Start: 23047, Stop: 23349, Start Num: 53

Candidate Starts for Calvinny_33:

(Start: 35 @23002 has 20 MA's), (Start: 53 @23047 has 113 MA's), (97, 23155),

Gene: Camster_29 Start: 25517, Stop: 25876, Start Num: 28

Candidate Starts for Camster_29:

(Start: 28 @25517 has 267 MA's), (62, 25604), (109, 25742), (123, 25775),

Gene: Candra_33 Start: 22249, Stop: 22545, Start Num: 39

Candidate Starts for Candra_33:

(Start: 39 @22249 has 116 MA's), (74, 22303), (109, 22402), (125, 22447),

Gene: CaptainTrips_34 Start: 29160, Stop: 29534, Start Num: 28

Candidate Starts for CaptainTrips_34:

(Start: 28 @29160 has 267 MA's), (Start: 32 @29175 has 42 MA's), (Start: 35 @29187 has 20 MA's), (98, 29343), (109, 29394), (123, 29427),

Gene: Caraxes_29 Start: 21092, Stop: 21400, Start Num: 39

Candidate Starts for Caraxes_29:

(Start: 27 @21041 has 34 MA's), (Start: 39 @21092 has 116 MA's), (56, 21116), (Start: 78 @21170 has 1 MA's), (79, 21173), (84, 21182), (93, 21203), (133, 21314),

Gene: Carcharodon_30 Start: 24740, Stop: 25120, Start Num: 27

Candidate Starts for Carcharodon_30:

(Start: 27 @24740 has 34 MA's), (105, 24950), (109, 24971),

Gene: Catalina_33 Start: 24008, Stop: 24376, Start Num: 40

Candidate Starts for Catalina_33:

(25, 23948), (Start: 40 @24008 has 26 MA's), (65, 24044), (72, 24050), (81, 24071), (88, 24089), (93, 24098), (113, 24197), (116, 24209), (120, 24230), (123, 24239),

Gene: Caviar_31 Start: 23059, Stop: 23361, Start Num: 53

Candidate Starts for Caviar_31:

(Start: 35 @23014 has 20 MA's), (Start: 53 @23059 has 113 MA's), (66, 23089), (72, 23098), (89, 23140), (97, 23167),

Gene: Celestiallunch_30 Start: 21950, Stop: 22312, Start Num: 39

Candidate Starts for Celestiallunch_30:

(Start: 39 @21950 has 116 MA's), (88, 22031), (113, 22139), (116, 22151), (123, 22181), (125, 22193), (131, 22202),

Gene: Centaur_32 Start: 22885, Stop: 23214, Start Num: 42

Candidate Starts for Centaur_32:

(20, 22726), (Start: 42 @22885 has 26 MA's), (Start: 64 @22912 has 10 MA's), (67, 22918), (91, 22972), (123, 23086), (126, 23101), (145, 23185),

Gene: Cerasum_29 Start: 24971, Stop: 25345, Start Num: 28

Candidate Starts for Cerasum_29:

(Start: 28 @24971 has 267 MA's), (30, 24977), (Start: 32 @24986 has 42 MA's), (Start: 35 @24998 has 20 MA's), (109, 25205), (123, 25238),

Gene: Chadwick_28 Start: 21515, Stop: 21835, Start Num: 51

Candidate Starts for Chadwick_28:

(Start: 24 @21425 has 2 MA's), (Start: 51 @21515 has 38 MA's), (Start: 64 @21545 has 10 MA's), (67, 21551), (109, 21677), (123, 21710), (131, 21731), (139, 21764), (144, 21803), (152, 21827),

Gene: Chargerpower_31 Start: 21744, Stop: 22049, Start Num: 39

Candidate Starts for Chargerpower_31:

(Start: 39 @21744 has 116 MA's),

Gene: Charlie_30 Start: 24740, Stop: 25108, Start Num: 27

Candidate Starts for Charlie_30:

(Start: 27 @24740 has 34 MA's), (68, 24833), (77, 24851), (105, 24938), (109, 24959),

Gene: Charm_30 Start: 21952, Stop: 22320, Start Num: 39

Candidate Starts for Charm_30:

(20, 21793), (Start: 27 @21901 has 34 MA's), (Start: 39 @21952 has 116 MA's), (Start: 73 @21997 has 1 MA's), (84, 22021), (88, 22033), (89, 22036), (113, 22141), (116, 22153), (123, 22183), (125, 22195), (131, 22204), (154, 22315),

Gene: Chartreuse_33 Start: 22160, Stop: 22456, Start Num: 39

Candidate Starts for Chartreuse_33:

(Start: 39 @22160 has 116 MA's), (74, 22214), (109, 22313), (125, 22358),

Gene: Chavito_33 Start: 27395, Stop: 27757, Start Num: 52
Candidate Starts for Chavito_33:
(Start: 52 @27395 has 40 MA's), (102, 27521), (119, 27599), (131, 27641), (137, 27653), (138, 27662),
(139, 27674),

Gene: Che12_32 Start: 21345, Stop: 21671, Start Num: 39
Candidate Starts for Che12_32:
(Start: 27 @21294 has 34 MA's), (Start: 39 @21345 has 116 MA's), (Start: 78 @21414 has 1 MA's),
(133, 21558), (138, 21579), (153, 21657),

Gene: Che8_35 Start: 29204, Stop: 29578, Start Num: 28
Candidate Starts for Che8_35:
(Start: 28 @29204 has 267 MA's), (30, 29210), (Start: 32 @29219 has 42 MA's), (Start: 35 @29231
has 20 MA's), (59, 29291), (109, 29438), (123, 29471), (138, 29513),

Gene: Cheesepuff_36 Start: 30026, Stop: 30397, Start Num: 29
Candidate Starts for Cheesepuff_36:
(Start: 28 @30023 has 267 MA's), (Start: 29 @30026 has 19 MA's), (Start: 32 @30038 has 42 MA's),
(Start: 35 @30050 has 20 MA's), (109, 30257), (123, 30290),

Gene: Chevrolet_34 Start: 29314, Stop: 29685, Start Num: 29
Candidate Starts for Chevrolet_34:
(Start: 28 @29311 has 267 MA's), (Start: 29 @29314 has 19 MA's), (Start: 32 @29326 has 42 MA's),
(Start: 35 @29338 has 20 MA's), (59, 29398), (109, 29545), (123, 29578), (138, 29620),

Gene: Chewbacca_30 Start: 24740, Stop: 25120, Start Num: 27
Candidate Starts for Chewbacca_30:
(Start: 27 @24740 has 34 MA's), (105, 24950), (109, 24971),

Gene: ChickenDinner_35 Start: 29381, Stop: 29755, Start Num: 28
Candidate Starts for ChickenDinner_35:
(Start: 28 @29381 has 267 MA's), (Start: 32 @29396 has 42 MA's), (Start: 35 @29408 has 20 MA's),
(109, 29615), (123, 29648),

Gene: ChipMunk_32 Start: 22832, Stop: 23176, Start Num: 35
Candidate Starts for ChipMunk_32:
(17, 22673), (Start: 35 @22832 has 20 MA's), (36, 22841), (69, 22913), (Start: 78 @22922 has 1 MA's),
(122, 23048),

Gene: Chiqui_29 Start: 22795, Stop: 23097, Start Num: 53
Candidate Starts for Chiqui_29:
(Start: 35 @22753 has 20 MA's), (Start: 53 @22795 has 113 MA's), (70, 22831), (123, 22981),

Gene: Chubbello_29 Start: 25484, Stop: 25843, Start Num: 28
Candidate Starts for Chubbello_29:
(Start: 28 @25484 has 267 MA's), (62, 25571), (109, 25709), (123, 25742),

Gene: Chuckly_33 Start: 28936, Stop: 29310, Start Num: 28
Candidate Starts for Chuckly_33:
(Start: 28 @28936 has 267 MA's), (Start: 29 @28939 has 19 MA's), (Start: 32 @28951 has 42 MA's),
(Start: 35 @28963 has 20 MA's), (109, 29170), (123, 29203), (138, 29245),

Gene: Clammy_30 Start: 22524, Stop: 22826, Start Num: 53

Candidate Starts for Clammy_30:

(23, 22422), (Start: 35 @22479 has 20 MA's), (Start: 53 @22524 has 113 MA's), (66, 22554), (72, 22563),

Gene: Clank_31 Start: 28193, Stop: 28567, Start Num: 28

Candidate Starts for Clank_31:

(Start: 28 @28193 has 267 MA's), (Start: 29 @28196 has 19 MA's), (Start: 32 @28208 has 42 MA's), (Start: 35 @28220 has 20 MA's), (109, 28427), (123, 28460), (138, 28502),

Gene: Clifton_27 Start: 24901, Stop: 25275, Start Num: 28

Candidate Starts for Clifton_27:

(Start: 28 @24901 has 267 MA's), (Start: 32 @24916 has 42 MA's), (Start: 35 @24928 has 20 MA's), (109, 25135), (122, 25165), (123, 25168), (138, 25210),

Gene: CloudWang3_33 Start: 22210, Stop: 22506, Start Num: 39

Candidate Starts for CloudWang3_33:

(Start: 27 @22159 has 34 MA's), (Start: 39 @22210 has 116 MA's), (71, 22258), (109, 22363), (125, 22408),

Gene: ClownCar_33 Start: 23039, Stop: 23341, Start Num: 53

Candidate Starts for ClownCar_33:

(Start: 35 @22994 has 20 MA's), (Start: 53 @23039 has 113 MA's), (97, 23147),

Gene: Coco12_33 Start: 28820, Stop: 29194, Start Num: 28

Candidate Starts for Coco12_33:

(Start: 28 @28820 has 267 MA's), (Start: 32 @28835 has 42 MA's), (Start: 35 @28847 has 20 MA's), (109, 29054), (123, 29087),

Gene: CogOmlette_28 Start: 21862, Stop: 22227, Start Num: 39

Candidate Starts for CogOmlette_28:

(Start: 27 @21811 has 34 MA's), (Start: 39 @21862 has 116 MA's), (81, 21925), (84, 21931), (85, 21934), (114, 22054), (120, 22084), (123, 22093), (125, 22105),

Gene: Colbster_32 Start: 22963, Stop: 23265, Start Num: 53

Candidate Starts for Colbster_32:

(34, 22915), (Start: 35 @22918 has 20 MA's), (Start: 53 @22963 has 113 MA's), (66, 22993),

Gene: Colin_34 Start: 24125, Stop: 24478, Start Num: 39

Candidate Starts for Colin_34:

(20, 23966), (Start: 39 @24125 has 116 MA's), (Start: 73 @24170 has 1 MA's), (88, 24206), (116, 24326), (118, 24332), (120, 24347), (125, 24368), (145, 24455),

Gene: Collard_32 Start: 28395, Stop: 28724, Start Num: 52

Candidate Starts for Collard_32:

(Start: 52 @28395 has 40 MA's), (Start: 58 @28410 has 1 MA's), (Start: 78 @28455 has 1 MA's), (87, 28476), (89, 28482), (121, 28575), (131, 28602), (138, 28623),

Gene: Conquerage_32 Start: 24038, Stop: 24406, Start Num: 40

Candidate Starts for Conquerage_32:

(25, 23978), (Start: 40 @24038 has 26 MA's), (65, 24074), (72, 24080), (88, 24119), (93, 24128), (113, 24227), (116, 24239), (123, 24269), (125, 24281), (138, 24311),

Gene: Conspiracy_27 Start: 22133, Stop: 22453, Start Num: 51

Candidate Starts for Conspiracy_27:

(Start: 24 @22043 has 2 MA's), (Start: 51 @22133 has 38 MA's), (Start: 64 @22163 has 10 MA's), (67, 22169), (109, 22295), (122, 22325), (123, 22328), (131, 22349), (139, 22382), (147, 22430), (152, 22445),

Gene: Constella_43 Start: 39899, Stop: 40273, Start Num: 32

Candidate Starts for Constella_43:

(Start: 32 @39899 has 42 MA's), (45, 39941), (49, 39953), (99, 40064), (109, 40109), (123, 40151), (129, 40184), (130, 40193), (132, 40205),

Gene: Coog_27 Start: 22303, Stop: 22593, Start Num: 64

Candidate Starts for Coog_27:

(Start: 24 @22183 has 2 MA's), (Start: 51 @22273 has 38 MA's), (Start: 64 @22303 has 10 MA's), (67, 22309), (104, 22411), (109, 22435), (113, 22456), (123, 22468), (131, 22489), (139, 22522), (147, 22570), (152, 22585),

Gene: Cookiedough_33 Start: 22206, Stop: 22502, Start Num: 39

Candidate Starts for Cookiedough_33:

(Start: 39 @22206 has 116 MA's), (74, 22260), (109, 22359), (125, 22404),

Gene: Corium_33 Start: 28960, Stop: 29334, Start Num: 28

Candidate Starts for Corium_33:

(Start: 28 @28960 has 267 MA's), (Start: 32 @28975 has 42 MA's), (Start: 35 @28987 has 20 MA's), (109, 29194), (123, 29227),

Gene: Cornie_33 Start: 29258, Stop: 29632, Start Num: 28

Candidate Starts for Cornie_33:

(Start: 28 @29258 has 267 MA's), (Start: 32 @29273 has 42 MA's), (Start: 35 @29285 has 20 MA's), (109, 29492), (123, 29525),

Gene: Cornucopia_34 Start: 28779, Stop: 29153, Start Num: 28

Candidate Starts for Cornucopia_34:

(Start: 28 @28779 has 267 MA's), (Start: 29 @28782 has 19 MA's), (Start: 32 @28794 has 42 MA's), (Start: 35 @28806 has 20 MA's), (59, 28866), (109, 29013), (122, 29043), (123, 29046), (138, 29088),

Gene: Courthouse_50 Start: 40423, Stop: 40809, Start Num: 32

Candidate Starts for Courthouse_50:

(Start: 32 @40423 has 42 MA's), (44, 40462), (49, 40477), (Start: 55 @40486 has 1 MA's), (109, 40633), (114, 40657), (123, 40675), (128, 40705), (130, 40717),

Gene: Croquant_33 Start: 22961, Stop: 23263, Start Num: 53

Candidate Starts for Croquant_33:

(34, 22913), (Start: 35 @22916 has 20 MA's), (Start: 53 @22961 has 113 MA's), (66, 22991),

Gene: Crucio_30 Start: 22350, Stop: 22637, Start Num: 63

Candidate Starts for Crucio_30:

(22, 22191), (Start: 63 @22350 has 17 MA's), (123, 22515), (131, 22536), (145, 22614),

Gene: Crumble_27 Start: 24953, Stop: 25324, Start Num: 29

Candidate Starts for Crumble_27:

(Start: 28 @24950 has 267 MA's), (Start: 29 @24953 has 19 MA's), (Start: 32 @24965 has 42 MA's), (Start: 35 @24977 has 20 MA's), (109, 25184), (123, 25217), (138, 25259),

Gene: Cubone_30 Start: 24762, Stop: 25130, Start Num: 27
Candidate Starts for Cubone_30:
(Start: 27 @24762 has 34 MA's), (68, 24855), (105, 24960), (109, 24981),

Gene: Cuco_27 Start: 22253, Stop: 22543, Start Num: 64
Candidate Starts for Cuco_27:
(Start: 24 @22133 has 2 MA's), (Start: 51 @22223 has 38 MA's), (Start: 64 @22253 has 10 MA's), (67, 22259), (104, 22361), (109, 22385), (113, 22406), (123, 22418), (131, 22439), (139, 22472), (147, 22520), (152, 22535),

Gene: Cullens_32 Start: 22962, Stop: 23264, Start Num: 53
Candidate Starts for Cullens_32:
(34, 22914), (Start: 35 @22917 has 20 MA's), (Start: 53 @22962 has 113 MA's), (66, 22992),

Gene: DLane_33 Start: 28724, Stop: 29098, Start Num: 28
Candidate Starts for DLane_33:
(Start: 28 @28724 has 267 MA's), (Start: 32 @28739 has 42 MA's), (Start: 35 @28751 has 20 MA's), (109, 28958), (123, 28991),

Gene: DRBy19_33 Start: 28862, Stop: 29236, Start Num: 28
Candidate Starts for DRBy19_33:
(Start: 28 @28862 has 267 MA's), (Start: 29 @28865 has 19 MA's), (Start: 32 @28877 has 42 MA's), (Start: 35 @28889 has 20 MA's), (109, 29096), (123, 29129), (138, 29171),

Gene: DaHudson_32 Start: 22955, Stop: 23257, Start Num: 53
Candidate Starts for DaHudson_32:
(34, 22907), (Start: 35 @22910 has 20 MA's), (Start: 53 @22955 has 113 MA's), (66, 22985),

Gene: DaVinci_33 Start: 22214, Stop: 22510, Start Num: 39
Candidate Starts for DaVinci_33:
(Start: 39 @22214 has 116 MA's), (74, 22268), (109, 22367), (125, 22412),

Gene: DaWorst_35 Start: 29302, Stop: 29676, Start Num: 28
Candidate Starts for DaWorst_35:
(Start: 28 @29302 has 267 MA's), (30, 29308), (Start: 32 @29317 has 42 MA's), (Start: 35 @29329 has 20 MA's), (109, 29536), (123, 29569), (138, 29611),

Gene: DaddyRickover_33 Start: 28945, Stop: 29319, Start Num: 28
Candidate Starts for DaddyRickover_33:
(Start: 28 @28945 has 267 MA's), (30, 28951), (Start: 32 @28960 has 42 MA's), (Start: 35 @28972 has 20 MA's), (109, 29179), (123, 29212), (138, 29254),

Gene: Dadosky_33 Start: 28366, Stop: 28695, Start Num: 52
Candidate Starts for Dadosky_33:
(Start: 52 @28366 has 40 MA's), (Start: 58 @28381 has 1 MA's), (Start: 78 @28426 has 1 MA's), (87, 28447), (89, 28453), (113, 28531), (121, 28546), (131, 28573), (138, 28594),

Gene: Daenerys_33 Start: 28766, Stop: 29140, Start Num: 28
Candidate Starts for Daenerys_33:
(Start: 28 @28766 has 267 MA's), (30, 28772), (Start: 32 @28781 has 42 MA's), (Start: 35 @28793 has 20 MA's), (109, 29000), (123, 29033), (138, 29075),

Gene: Daishi_31 Start: 21888, Stop: 22193, Start Num: 53

Candidate Starts for Daishi_31:

(34, 21840), (Start: 35 @21843 has 20 MA's), (Start: 53 @21888 has 113 MA's), (66, 21918), (139, 22128),

Gene: Dallas_53 Start: 43296, Stop: 43670, Start Num: 32

Candidate Starts for Dallas_53:

(Start: 32 @43296 has 42 MA's), (44, 43335), (49, 43350), (Start: 55 @43359 has 1 MA's), (109, 43506), (114, 43530), (123, 43548), (128, 43578), (130, 43590),

Gene: Dalmatian_30 Start: 22557, Stop: 22844, Start Num: 63

Candidate Starts for Dalmatian_30:

(22, 22398), (Start: 63 @22557 has 17 MA's), (123, 22722), (131, 22743), (145, 22821),

Gene: Danforth_26 Start: 21212, Stop: 21493, Start Num: 51

Candidate Starts for Danforth_26:

(Start: 51 @21212 has 38 MA's), (Start: 64 @21239 has 10 MA's), (67, 21245), (Start: 78 @21269 has 1 MA's), (142, 21446), (144, 21461), (148, 21473), (151, 21482),

Gene: Dante_33 Start: 28884, Stop: 29258, Start Num: 28

Candidate Starts for Dante_33:

(Start: 28 @28884 has 267 MA's), (Start: 32 @28899 has 42 MA's), (Start: 35 @28911 has 20 MA's), (109, 29118), (123, 29151), (138, 29193),

Gene: Darrell_32 Start: 24002, Stop: 24370, Start Num: 40

Candidate Starts for Darrell_32:

(Start: 40 @24002 has 26 MA's), (65, 24038), (76, 24056), (79, 24062), (84, 24071), (87, 24080), (88, 24083), (113, 24191), (116, 24203), (120, 24224), (123, 24233), (125, 24245), (140, 24293),

Gene: DARTHPhader_31 Start: 24013, Stop: 24369, Start Num: 39

Candidate Starts for DARTHPhader_31:

(20, 23854), (Start: 39 @24013 has 116 MA's), (65, 24049), (88, 24094), (100, 24136), (114, 24205), (116, 24214), (123, 24244), (125, 24256), (131, 24265), (149, 24349),

Gene: Dartin_33 Start: 27083, Stop: 27445, Start Num: 52

Candidate Starts for Dartin_33:

(Start: 52 @27083 has 40 MA's), (102, 27209), (119, 27287), (131, 27329), (137, 27341), (138, 27350), (139, 27362),

Gene: DeadP_33 Start: 28921, Stop: 29295, Start Num: 28

Candidate Starts for DeadP_33:

(Start: 28 @28921 has 267 MA's), (Start: 32 @28936 has 42 MA's), (Start: 35 @28948 has 20 MA's), (109, 29155), (123, 29188), (138, 29230),

Gene: Deb65_33 Start: 28767, Stop: 29141, Start Num: 28

Candidate Starts for Deb65_33:

(Start: 28 @28767 has 267 MA's), (Start: 32 @28782 has 42 MA's), (Start: 35 @28794 has 20 MA's), (109, 29001), (123, 29034), (138, 29076),

Gene: DekHockey33_32 Start: 21527, Stop: 21868, Start Num: 39

Candidate Starts for DekHockey33_32:

(Start: 39 @21527 has 116 MA's), (Start: 78 @21593 has 1 MA's), (84, 21605), (142, 21815), (150, 21851), (153, 21857),

Gene: Deloris_31 Start: 22849, Stop: 23190, Start Num: 35

Candidate Starts for Deloris_31:

(Start: 35 @22849 has 20 MA's), (59, 22909), (Start: 64 @22921 has 10 MA's), (Start: 78 @22939 has 1 MA's), (123, 23068),

Gene: DelvinSonDorr_32 Start: 22206, Stop: 22502, Start Num: 39

Candidate Starts for DelvinSonDorr_32:

(Start: 39 @22206 has 116 MA's), (74, 22260), (109, 22359), (125, 22404),

Gene: Dieselweasel_32 Start: 22964, Stop: 23266, Start Num: 53

Candidate Starts for Dieselweasel_32:

(34, 22916), (Start: 35 @22919 has 20 MA's), (Start: 53 @22964 has 113 MA's), (66, 22994),

Gene: Dignity_32 Start: 22873, Stop: 23211, Start Num: 39

Candidate Starts for Dignity_32:

(20, 22714), (Start: 39 @22873 has 116 MA's), (Start: 64 @22909 has 10 MA's), (67, 22915), (87, 22960), (91, 22969), (123, 23083), (126, 23098), (145, 23182),

Gene: DillTech15_33 Start: 28852, Stop: 29226, Start Num: 28

Candidate Starts for DillTech15_33:

(Start: 28 @28852 has 267 MA's), (Start: 29 @28855 has 19 MA's), (Start: 32 @28867 has 42 MA's), (Start: 35 @28879 has 20 MA's), (109, 29086), (123, 29119),

Gene: DirtMcgirt_34 Start: 28587, Stop: 28961, Start Num: 28

Candidate Starts for DirtMcgirt_34:

(Start: 28 @28587 has 267 MA's), (Start: 29 @28590 has 19 MA's), (Start: 32 @28602 has 42 MA's), (Start: 35 @28614 has 20 MA's), (59, 28674), (109, 28821), (123, 28854), (138, 28896),

Gene: Discoknowium_27 Start: 22342, Stop: 22662, Start Num: 51

Candidate Starts for Discoknowium_27:

(Start: 24 @22252 has 2 MA's), (Start: 51 @22342 has 38 MA's), (Start: 64 @22372 has 10 MA's), (67, 22378), (93, 22432), (109, 22504), (122, 22534), (123, 22537), (131, 22558), (139, 22591), (147, 22639), (152, 22654),

Gene: Dixon_27 Start: 21231, Stop: 21512, Start Num: 51

Candidate Starts for Dixon_27:

(Start: 51 @21231 has 38 MA's), (Start: 64 @21258 has 10 MA's), (67, 21264), (Start: 78 @21288 has 1 MA's), (93, 21318), (142, 21465), (144, 21480), (148, 21492), (151, 21501),

Gene: DmpstrDiver_52 Start: 43289, Stop: 43663, Start Num: 32

Candidate Starts for DmpstrDiver_52:

(Start: 32 @43289 has 42 MA's), (45, 43331), (49, 43343), (99, 43454), (109, 43499), (123, 43541), (129, 43574), (130, 43583), (132, 43595),

Gene: DoRead_34 Start: 28999, Stop: 29370, Start Num: 29

Candidate Starts for DoRead_34:

(Start: 28 @28996 has 267 MA's), (Start: 29 @28999 has 19 MA's), (Start: 32 @29011 has 42 MA's), (Start: 35 @29023 has 20 MA's), (59, 29083), (109, 29230), (123, 29263), (138, 29305),

Gene: DocMcStuffins_35 Start: 29381, Stop: 29755, Start Num: 28

Candidate Starts for DocMcStuffins_35:

(Start: 28 @29381 has 267 MA's), (Start: 32 @29396 has 42 MA's), (Start: 35 @29408 has 20 MA's), (109, 29615), (123, 29648),

Gene: Donkeykong_33 Start: 28947, Stop: 29321, Start Num: 28
Candidate Starts for Donkeykong_33:
(Start: 28 @28947 has 267 MA's), (Start: 32 @28962 has 42 MA's), (Start: 35 @28974 has 20 MA's),
(109, 29181), (123, 29214),

Gene: Donovan_29 Start: 25474, Stop: 25833, Start Num: 28
Candidate Starts for Donovan_29:
(Start: 28 @25474 has 267 MA's), (62, 25561), (109, 25699), (123, 25732),

Gene: Doomphist_33 Start: 28884, Stop: 29258, Start Num: 28
Candidate Starts for Doomphist_33:
(Start: 28 @28884 has 267 MA's), (30, 28890), (Start: 32 @28899 has 42 MA's), (Start: 35 @28911
has 20 MA's), (109, 29118), (123, 29151),

Gene: Doomslug_37 Start: 28595, Stop: 28969, Start Num: 28
Candidate Starts for Doomslug_37:
(Start: 28 @28595 has 267 MA's), (Start: 32 @28610 has 42 MA's), (Start: 35 @28622 has 20 MA's),
(109, 28829), (123, 28862),

Gene: Dorothea_33 Start: 22214, Stop: 22510, Start Num: 39
Candidate Starts for Dorothea_33:
(Start: 39 @22214 has 116 MA's), (74, 22268), (109, 22367), (125, 22412),

Gene: Dorothy_33 Start: 28730, Stop: 29104, Start Num: 28
Candidate Starts for Dorothy_33:
(Start: 28 @28730 has 267 MA's), (30, 28736), (Start: 32 @28745 has 42 MA's), (Start: 35 @28757
has 20 MA's), (109, 28964), (123, 28997), (138, 29039),

Gene: DosHalletts_35 Start: 29148, Stop: 29522, Start Num: 28
Candidate Starts for DosHalletts_35:
(Start: 28 @29148 has 267 MA's), (30, 29154), (Start: 32 @29163 has 42 MA's), (Start: 35 @29175
has 20 MA's), (59, 29235), (109, 29382), (123, 29415), (138, 29457),

Gene: DotProduct_33 Start: 28753, Stop: 29127, Start Num: 28
Candidate Starts for DotProduct_33:
(Start: 28 @28753 has 267 MA's), (Start: 29 @28756 has 19 MA's), (Start: 32 @28768 has 42 MA's),
(Start: 35 @28780 has 20 MA's), (109, 28987), (123, 29020),

Gene: DoubleChamp_32 Start: 28395, Stop: 28724, Start Num: 52
Candidate Starts for DoubleChamp_32:
(Start: 52 @28395 has 40 MA's), (Start: 58 @28410 has 1 MA's), (Start: 78 @28455 has 1 MA's), (87,
28476), (89, 28482), (121, 28575), (131, 28602), (138, 28623),

Gene: Doug_34 Start: 29325, Stop: 29699, Start Num: 28
Candidate Starts for Doug_34:
(Start: 28 @29325 has 267 MA's), (Start: 32 @29340 has 42 MA's), (Start: 35 @29352 has 20 MA's),
(109, 29559), (123, 29592), (138, 29634),

Gene: Dove_48 Start: 42823, Stop: 43197, Start Num: 32
Candidate Starts for Dove_48:
(Start: 32 @42823 has 42 MA's), (45, 42865), (49, 42877), (99, 42988), (109, 43033), (123, 43075),
(129, 43108), (130, 43117), (132, 43129),

Gene: Drago_34 Start: 28580, Stop: 28954, Start Num: 28

Candidate Starts for Drago_34:

(Start: 28 @28580 has 267 MA's), (Start: 29 @28583 has 19 MA's), (Start: 32 @28595 has 42 MA's), (Start: 35 @28607 has 20 MA's), (109, 28814), (123, 28847), (138, 28889),

Gene: Drake55_32 Start: 22902, Stop: 23225, Start Num: 42

Candidate Starts for Drake55_32:

(20, 22743), (Start: 42 @22902 has 26 MA's), (Start: 64 @22929 has 10 MA's), (67, 22935), (91, 22989), (123, 23103), (145, 23202),

Gene: DreamTeam1_30 Start: 21951, Stop: 22319, Start Num: 39

Candidate Starts for DreamTeam1_30:

(20, 21792), (Start: 27 @21900 has 34 MA's), (Start: 39 @21951 has 116 MA's), (Start: 73 @21996 has 1 MA's), (84, 22020), (88, 22032), (89, 22035), (113, 22140), (116, 22152), (123, 22182), (125, 22194), (131, 22203), (154, 22314),

Gene: DropBear_30 Start: 22585, Stop: 22887, Start Num: 53

Candidate Starts for DropBear_30:

(23, 22486), (Start: 35 @22543 has 20 MA's), (Start: 53 @22585 has 113 MA's), (70, 22621), (97, 22693),

Gene: Dublin_26 Start: 22192, Stop: 22512, Start Num: 51

Candidate Starts for Dublin_26:

(15, 21952), (Start: 24 @22102 has 2 MA's), (Start: 51 @22192 has 38 MA's), (Start: 64 @22222 has 10 MA's), (67, 22228), (109, 22354), (122, 22384), (123, 22387), (131, 22408), (139, 22441), (152, 22504),

Gene: DudeLittle_30 Start: 22559, Stop: 22846, Start Num: 63

Candidate Starts for DudeLittle_30:

(22, 22400), (Start: 63 @22559 has 17 MA's), (123, 22724), (131, 22745), (145, 22823),

Gene: Duke13_54 Start: 43607, Stop: 44002, Start Num: 32

Candidate Starts for Duke13_54:

(Start: 32 @43607 has 42 MA's), (45, 43649), (49, 43661), (99, 43772), (109, 43817), (123, 43859), (129, 43892), (130, 43901), (132, 43913),

Gene: Duplicity_30 Start: 24740, Stop: 25108, Start Num: 27

Candidate Starts for Duplicity_30:

(Start: 27 @24740 has 34 MA's), (68, 24833), (77, 24851), (105, 24938), (109, 24959),

Gene: Dynamo_29 Start: 25896, Stop: 26255, Start Num: 28

Candidate Starts for Dynamo_29:

(Start: 28 @25896 has 267 MA's), (62, 25983), (109, 26121), (123, 26154),

Gene: EGUunicorn_30 Start: 24740, Stop: 25108, Start Num: 27

Candidate Starts for EGUunicorn_30:

(Start: 27 @24740 has 34 MA's), (105, 24938), (109, 24959),

Gene: EZMoney23_34 Start: 24442, Stop: 24765, Start Num: 42

Candidate Starts for EZMoney23_34:

(20, 24283), (Start: 42 @24442 has 26 MA's), (Start: 64 @24469 has 10 MA's), (67, 24475), (74, 24490), (93, 24532), (123, 24643), (145, 24742),

Gene: EagleEye_32 Start: 23189, Stop: 23464, Start Num: 39

Candidate Starts for EagleEye_32:

(Start: 39 @23189 has 116 MA's), (67, 23231), (74, 23243), (79, 23255), (93, 23285), (104, 23318), (109, 23342),

Gene: Ebony_30 Start: 23116, Stop: 23439, Start Num: 38

Candidate Starts for Ebony_30:

(Start: 38 @23116 has 27 MA's), (43, 23125), (84, 23185), (88, 23197), (104, 23239), (116, 23296),

Gene: Echild_30 Start: 22524, Stop: 22853, Start Num: 42

Candidate Starts for Echild_30:

(20, 22365), (Start: 42 @22524 has 26 MA's), (Start: 64 @22551 has 10 MA's), (67, 22557), (87, 22602), (91, 22611), (123, 22725), (126, 22740), (145, 22824),

Gene: EdogawaKiddo_30 Start: 24050, Stop: 24376, Start Num: 72

Candidate Starts for EdogawaKiddo_30:

(25, 23948), (Start: 40 @24008 has 26 MA's), (65, 24044), (72, 24050), (81, 24071), (88, 24089), (93, 24098), (113, 24197), (116, 24209), (120, 24230), (123, 24239),

Gene: Edugator_32 Start: 28365, Stop: 28694, Start Num: 52

Candidate Starts for Edugator_32:

(Start: 52 @28365 has 40 MA's), (Start: 58 @28380 has 1 MA's), (Start: 78 @28425 has 1 MA's), (87, 28446), (89, 28452), (121, 28545), (131, 28572), (138, 28593),

Gene: Eidsmoe_32 Start: 24074, Stop: 24442, Start Num: 40

Candidate Starts for Eidsmoe_32:

(25, 24014), (Start: 40 @24074 has 26 MA's), (65, 24110), (72, 24116), (88, 24155), (93, 24164), (113, 24263), (116, 24275), (123, 24305), (125, 24317), (138, 24347),

Gene: Eish_33 Start: 29472, Stop: 29846, Start Num: 28

Candidate Starts for Eish_33:

(Start: 28 @29472 has 267 MA's), (Start: 29 @29475 has 19 MA's), (Start: 32 @29487 has 42 MA's), (Start: 35 @29499 has 20 MA's), (109, 29706), (123, 29739), (138, 29781),

Gene: Ejimix_51 Start: 44526, Stop: 44921, Start Num: 32

Candidate Starts for Ejimix_51:

(Start: 32 @44526 has 42 MA's), (45, 44568), (49, 44580), (99, 44691), (109, 44736), (123, 44778), (129, 44811), (130, 44820),

Gene: EITiger69_27 Start: 21545, Stop: 21865, Start Num: 51

Candidate Starts for EITiger69_27:

(Start: 24 @21455 has 2 MA's), (Start: 51 @21545 has 38 MA's), (Start: 64 @21575 has 10 MA's), (67, 21581), (109, 21707), (123, 21740), (131, 21761), (139, 21794), (144, 21833), (152, 21857),

Gene: EleanorGeorge_34 Start: 29497, Stop: 29871, Start Num: 28

Candidate Starts for EleanorGeorge_34:

(Start: 28 @29497 has 267 MA's), (Start: 78 @29626 has 1 MA's), (83, 29635), (109, 29731), (123, 29764),

Gene: Elephantoon_31 Start: 23447, Stop: 23815, Start Num: 40

Candidate Starts for Elephantoon_31:

(Start: 40 @23447 has 26 MA's), (84, 23516), (85, 23519), (88, 23528), (113, 23636), (116, 23648), (123, 23678), (138, 23720),

Gene: Elle_30 Start: 21306, Stop: 21647, Start Num: 39

Candidate Starts for Elle_30:

(20, 21150), (Start: 39 @21306 has 116 MA's), (67, 21348), (75, 21366), (Start: 78 @21372 has 1 MA's), (95, 21417), (142, 21594), (150, 21630), (153, 21636),

Gene: EmiMonkey_34 Start: 30376, Stop: 30750, Start Num: 28

Candidate Starts for EmiMonkey_34:

(Start: 28 @30376 has 267 MA's), (Start: 29 @30379 has 19 MA's), (Start: 32 @30391 has 42 MA's), (Start: 35 @30403 has 20 MA's), (109, 30610), (123, 30643), (138, 30685),

Gene: Emma_35 Start: 29365, Stop: 29739, Start Num: 28

Candidate Starts for Emma_35:

(Start: 28 @29365 has 267 MA's), (Start: 32 @29380 has 42 MA's), (Start: 35 @29392 has 20 MA's), (109, 29599), (123, 29632),

Gene: Emmaloid_35 Start: 30145, Stop: 30519, Start Num: 28

Candidate Starts for Emmaloid_35:

(Start: 28 @30145 has 267 MA's), (30, 30151), (Start: 32 @30160 has 42 MA's), (Start: 35 @30172 has 20 MA's), (109, 30379), (123, 30412), (138, 30454),

Gene: Empress_34 Start: 30180, Stop: 30554, Start Num: 28

Candidate Starts for Empress_34:

(Start: 28 @30180 has 267 MA's), (Start: 32 @30195 has 42 MA's), (Start: 35 @30207 has 20 MA's), (109, 30414), (123, 30447), (138, 30489),

Gene: EmyBug_32 Start: 24074, Stop: 24442, Start Num: 40

Candidate Starts for EmyBug_32:

(25, 24014), (Start: 40 @24074 has 26 MA's), (65, 24110), (72, 24116), (88, 24155), (93, 24164), (113, 24263), (116, 24275), (123, 24305), (125, 24317), (138, 24347),

Gene: Enby_35 Start: 29026, Stop: 29400, Start Num: 28

Candidate Starts for Enby_35:

(Start: 28 @29026 has 267 MA's), (Start: 78 @29155 has 1 MA's), (83, 29164), (109, 29260), (123, 29293),

Gene: Enzomatic_38 Start: 28943, Stop: 29317, Start Num: 28

Candidate Starts for Enzomatic_38:

(Start: 28 @28943 has 267 MA's), (Start: 29 @28946 has 19 MA's), (Start: 32 @28958 has 42 MA's), (Start: 35 @28970 has 20 MA's), (59, 29030), (109, 29177), (123, 29210),

Gene: EpicPhail_32 Start: 22963, Stop: 23265, Start Num: 53

Candidate Starts for EpicPhail_32:

(34, 22915), (Start: 35 @22918 has 20 MA's), (Start: 53 @22963 has 113 MA's), (66, 22993),

Gene: Epsocamisio_32 Start: 21405, Stop: 21746, Start Num: 39

Candidate Starts for Epsocamisio_32:

(Start: 39 @21405 has 116 MA's), (Start: 78 @21471 has 1 MA's), (84, 21483), (142, 21693), (150, 21729), (153, 21735),

Gene: Equemioh13_32 Start: 22888, Stop: 23217, Start Num: 42

Candidate Starts for Equemioh13_32:

(20, 22729), (Start: 42 @22888 has 26 MA's), (Start: 64 @22915 has 10 MA's), (67, 22921), (91, 22975), (123, 23089), (126, 23104), (145, 23188),

Gene: Eradicator_33 Start: 28867, Stop: 29241, Start Num: 28

Candidate Starts for Eradicator_33:

(Start: 28 @28867 has 267 MA's), (Start: 32 @28882 has 42 MA's), (Start: 35 @28894 has 20 MA's), (109, 29101), (123, 29134), (138, 29176),

Gene: EricB_33 Start: 22206, Stop: 22502, Start Num: 39

Candidate Starts for EricB_33:

(Start: 39 @22206 has 116 MA's), (74, 22260), (109, 22359), (125, 22404),

Gene: EricMillard_51 Start: 44027, Stop: 44422, Start Num: 32

Candidate Starts for EricMillard_51:

(Start: 32 @44027 has 42 MA's), (45, 44069), (49, 44081), (99, 44192), (109, 44237), (123, 44279), (129, 44312), (130, 44321),

Gene: Estave1_31 Start: 28284, Stop: 28658, Start Num: 28

Candidate Starts for Estave1_31:

(Start: 28 @28284 has 267 MA's), (Start: 29 @28287 has 19 MA's), (Start: 32 @28299 has 42 MA's), (Start: 35 @28311 has 20 MA's), (109, 28518), (123, 28551),

Gene: Et2Brutus_29 Start: 23076, Stop: 23399, Start Num: 38

Candidate Starts for Et2Brutus_29:

(Start: 38 @23076 has 27 MA's), (43, 23085), (84, 23145), (88, 23157), (104, 23199), (116, 23256),

Gene: Etoile_29 Start: 25485, Stop: 25844, Start Num: 28

Candidate Starts for Etoile_29:

(Start: 28 @25485 has 267 MA's), (62, 25572), (109, 25710), (123, 25743),

Gene: EtoileNova_31 Start: 23063, Stop: 23365, Start Num: 53

Candidate Starts for EtoileNova_31:

(Start: 35 @23018 has 20 MA's), (Start: 53 @23063 has 113 MA's), (66, 23093), (72, 23102), (89, 23144), (97, 23171),

Gene: EvilGenius_32 Start: 22841, Stop: 23185, Start Num: 35

Candidate Starts for EvilGenius_32:

(17, 22682), (Start: 35 @22841 has 20 MA's), (36, 22850), (69, 22922), (Start: 78 @22931 has 1 MA's), (122, 23057),

Gene: Expelliarmus_26 Start: 21198, Stop: 21479, Start Num: 51

Candidate Starts for Expelliarmus_26:

(Start: 51 @21198 has 38 MA's), (Start: 64 @21225 has 10 MA's), (67, 21231), (Start: 78 @21255 has 1 MA's), (93, 21285), (142, 21432), (144, 21447), (148, 21459), (151, 21468),

Gene: ExplosioNervosa_32 Start: 24077, Stop: 24445, Start Num: 40

Candidate Starts for ExplosioNervosa_32:

(25, 24017), (Start: 40 @24077 has 26 MA's), (65, 24113), (72, 24119), (88, 24158), (93, 24167), (113, 24266), (116, 24278), (123, 24308), (125, 24320), (138, 24350),

Gene: Fameo_30 Start: 22528, Stop: 22815, Start Num: 63

Candidate Starts for Fameo_30:

(22, 22369), (Start: 63 @22528 has 17 MA's), (123, 22693), (131, 22714), (145, 22792),

Gene: Fancypants_33 Start: 28773, Stop: 29147, Start Num: 28

Candidate Starts for Fancypants_33:

(Start: 28 @28773 has 267 MA's), (Start: 29 @28776 has 19 MA's), (Start: 32 @28788 has 42 MA's),
(Start: 35 @28800 has 20 MA's), (59, 28860), (109, 29007), (123, 29040), (138, 29082),

Gene: Farber_32 Start: 22956, Stop: 23258, Start Num: 53

Candidate Starts for Farber_32:

(34, 22908), (Start: 35 @22911 has 20 MA's), (Start: 53 @22956 has 113 MA's), (66, 22986),

Gene: Fastidio_35 Start: 29084, Stop: 29455, Start Num: 29

Candidate Starts for Fastidio_35:

(Start: 28 @29081 has 267 MA's), (Start: 29 @29084 has 19 MA's), (Start: 32 @29096 has 42 MA's),
(Start: 35 @29108 has 20 MA's), (109, 29315), (123, 29348),

Gene: FatCactus_28 Start: 20868, Stop: 21134, Start Num: 39

Candidate Starts for FatCactus_28:

(20, 20712), (Start: 27 @20820 has 34 MA's), (Start: 39 @20868 has 116 MA's), (79, 20925), (93,
20955), (112, 21024),

Gene: Fayely_32 Start: 24041, Stop: 24409, Start Num: 40

Candidate Starts for Fayely_32:

(25, 23981), (Start: 40 @24041 has 26 MA's), (65, 24077), (72, 24083), (81, 24104), (88, 24122), (93,
24131), (113, 24230), (116, 24242), (120, 24263), (123, 24272),

Gene: Fernando_32 Start: 22962, Stop: 23264, Start Num: 53

Candidate Starts for Fernando_32:

(34, 22914), (Start: 35 @22917 has 20 MA's), (Start: 53 @22962 has 113 MA's), (66, 22992),

Gene: Feyre_32 Start: 28282, Stop: 28608, Start Num: 52

Candidate Starts for Feyre_32:

(Start: 52 @28282 has 40 MA's), (Start: 58 @28297 has 1 MA's), (Start: 78 @28342 has 1 MA's), (89,
28369), (93, 28375), (131, 28489),

Gene: Fibonacci_30 Start: 23070, Stop: 23393, Start Num: 38

Candidate Starts for Fibonacci_30:

(Start: 38 @23070 has 27 MA's), (43, 23079), (84, 23139), (88, 23151), (104, 23193), (116, 23250),

Gene: Filuzino_33 Start: 28715, Stop: 29089, Start Num: 28

Candidate Starts for Filuzino_33:

(Start: 28 @28715 has 267 MA's), (Start: 32 @28730 has 42 MA's), (Start: 35 @28742 has 20 MA's),
(109, 28949), (123, 28982),

Gene: Firehouse51_34 Start: 29554, Stop: 29928, Start Num: 28

Candidate Starts for Firehouse51_34:

(Start: 28 @29554 has 267 MA's), (Start: 32 @29569 has 42 MA's), (Start: 35 @29581 has 20 MA's),
(109, 29788), (123, 29821),

Gene: FiringLine_30 Start: 22350, Stop: 22637, Start Num: 63

Candidate Starts for FiringLine_30:

(22, 22191), (Start: 63 @22350 has 17 MA's), (123, 22515), (131, 22536), (145, 22614),

Gene: First_0030 Start: 22516, Stop: 22857, Start Num: 35
Candidate Starts for First_0030:
(17, 22360), (Start: 35 @22516 has 20 MA's), (Start: 64 @22588 has 10 MA's), (Start: 78 @22606 has 1 MA's), (123, 22735),

Gene: FirstPlacePfu_29 Start: 25485, Stop: 25844, Start Num: 28
Candidate Starts for FirstPlacePfu_29:
(Start: 28 @25485 has 267 MA's), (62, 25572), (109, 25710), (123, 25743),

Gene: Fishburne_29 Start: 25485, Stop: 25844, Start Num: 28
Candidate Starts for Fishburne_29:
(Start: 28 @25485 has 267 MA's), (62, 25572), (109, 25710), (123, 25743),

Gene: Flare16_30 Start: 22446, Stop: 22775, Start Num: 42
Candidate Starts for Flare16_30:
(20, 22287), (Start: 42 @22446 has 26 MA's), (Start: 64 @22473 has 10 MA's), (67, 22479), (91, 22533), (123, 22647), (126, 22662), (145, 22746),

Gene: Flathead_33 Start: 29361, Stop: 29735, Start Num: 28
Candidate Starts for Flathead_33:
(Start: 28 @29361 has 267 MA's), (Start: 32 @29376 has 42 MA's), (Start: 35 @29388 has 20 MA's), (109, 29595), (123, 29628),

Gene: Flaverint_30 Start: 23067, Stop: 23390, Start Num: 38
Candidate Starts for Flaverint_30:
(Start: 38 @23067 has 27 MA's), (43, 23076), (84, 23136), (88, 23148), (104, 23190), (116, 23247),

Gene: Florence1_27 Start: 22045, Stop: 22335, Start Num: 64
Candidate Starts for Florence1_27:
(Start: 51 @22015 has 38 MA's), (Start: 64 @22045 has 10 MA's), (67, 22051), (109, 22177), (113, 22198), (123, 22210), (131, 22231), (139, 22264), (152, 22327),

Gene: Florence4_28 Start: 22051, Stop: 22335, Start Num: 67
Candidate Starts for Florence4_28:
(Start: 51 @22015 has 38 MA's), (Start: 64 @22045 has 10 MA's), (67, 22051), (109, 22177), (113, 22198), (123, 22210), (131, 22231), (139, 22264), (152, 22327),

Gene: Florinda_33 Start: 28765, Stop: 29139, Start Num: 28
Candidate Starts for Florinda_33:
(Start: 28 @28765 has 267 MA's), (Start: 29 @28768 has 19 MA's), (Start: 32 @28780 has 42 MA's), (Start: 35 @28792 has 20 MA's), (109, 28999), (123, 29032), (138, 29074),

Gene: FlyCatcher_33 Start: 25243, Stop: 25533, Start Num: 55
Candidate Starts for FlyCatcher_33:
(Start: 55 @25243 has 1 MA's), (72, 25279), (81, 25300), (104, 25360),

Gene: ForGetIt_27 Start: 22158, Stop: 22478, Start Num: 51
Candidate Starts for ForGetIt_27:
(Start: 24 @22068 has 2 MA's), (Start: 51 @22158 has 38 MA's), (Start: 64 @22188 has 10 MA's), (67, 22194), (109, 22320), (122, 22350), (123, 22353), (131, 22374), (139, 22407), (147, 22455), (152, 22470),

Gene: Frankie_37 Start: 29909, Stop: 30283, Start Num: 28

Candidate Starts for Frankie_37:

(Start: 28 @29909 has 267 MA's), (30, 29915), (Start: 32 @29924 has 42 MA's), (Start: 35 @29936 has 20 MA's), (109, 30143), (123, 30176), (138, 30218),

Gene: Fred313_30 Start: 22270, Stop: 22572, Start Num: 53

Candidate Starts for Fred313_30:

(23, 22171), (Start: 35 @22228 has 20 MA's), (Start: 53 @22270 has 113 MA's), (70, 22306), (97, 22378),

Gene: FreddyB_33 Start: 29032, Stop: 29403, Start Num: 29

Candidate Starts for FreddyB_33:

(Start: 28 @29029 has 267 MA's), (Start: 29 @29032 has 19 MA's), (Start: 32 @29044 has 42 MA's), (Start: 35 @29056 has 20 MA's), (109, 29263), (123, 29296),

Gene: Fruitloop_32 Start: 28910, Stop: 29284, Start Num: 28

Candidate Starts for Fruitloop_32:

(Start: 28 @28910 has 267 MA's), (Start: 32 @28925 has 42 MA's), (Start: 35 @28937 has 20 MA's), (109, 29144), (123, 29177),

Gene: Fulbright_29 Start: 24563, Stop: 24943, Start Num: 27

Candidate Starts for Fulbright_29:

(Start: 27 @24563 has 34 MA's), (105, 24773), (109, 24794),

Gene: GUmbie_33 Start: 28784, Stop: 29158, Start Num: 28

Candidate Starts for GUmbie_33:

(Start: 28 @28784 has 267 MA's), (30, 28790), (Start: 32 @28799 has 42 MA's), (Start: 35 @28811 has 20 MA's), (109, 29018), (123, 29051), (138, 29093),

Gene: Gaia_36 Start: 31870, Stop: 32178, Start Num: 33

Candidate Starts for Gaia_36:

(Start: 33 @31870 has 2 MA's), (48, 31918), (Start: 51 @31924 has 38 MA's), (57, 31936), (82, 31981), (106, 32065), (110, 32086), (123, 32119),

Gene: Gail_30 Start: 21666, Stop: 22022, Start Num: 39

Candidate Starts for Gail_30:

(20, 21507), (Start: 39 @21666 has 116 MA's), (65, 21702), (72, 21708), (84, 21735), (93, 21756), (113, 21855), (123, 21897),

Gene: Galactic_35 Start: 29602, Stop: 29976, Start Num: 28

Candidate Starts for Galactic_35:

(Start: 28 @29602 has 267 MA's), (Start: 32 @29617 has 42 MA's), (Start: 35 @29629 has 20 MA's), (109, 29836), (123, 29869),

Gene: GaloreK_29 Start: 25481, Stop: 25840, Start Num: 28

Candidate Starts for GaloreK_29:

(Start: 28 @25481 has 267 MA's), (62, 25568), (109, 25706), (123, 25739),

Gene: Gandalph_34 Start: 29100, Stop: 29474, Start Num: 28

Candidate Starts for Gandalph_34:

(Start: 28 @29100 has 267 MA's), (Start: 32 @29115 has 42 MA's), (Start: 35 @29127 has 20 MA's), (109, 29334), (123, 29367),

Gene: Garak_34 Start: 22214, Stop: 22510, Start Num: 39

Candidate Starts for Garak_34:

(Start: 27 @22163 has 34 MA's), (Start: 39 @22214 has 116 MA's), (71, 22262), (109, 22367), (125, 22412),

Gene: GaugeLDP_32 Start: 23699, Stop: 24025, Start Num: 42

Candidate Starts for GaugeLDP_32:

(Start: 42 @23699 has 26 MA's), (Start: 64 @23726 has 10 MA's), (67, 23732), (74, 23747), (93, 23789), (94, 23792), (123, 23903), (145, 24002),

Gene: Gavriela_29 Start: 25744, Stop: 26103, Start Num: 28

Candidate Starts for Gavriela_29:

(Start: 28 @25744 has 267 MA's), (62, 25831), (109, 25969), (123, 26002),

Gene: Gemma_32 Start: 22998, Stop: 23345, Start Num: 35

Candidate Starts for Gemma_32:

(Start: 35 @22998 has 20 MA's), (Start: 53 @23043 has 113 MA's), (97, 23151),

Gene: Gengar_32 Start: 28392, Stop: 28718, Start Num: 52

Candidate Starts for Gengar_32:

(Start: 52 @28392 has 40 MA's), (Start: 58 @28407 has 1 MA's), (Start: 78 @28452 has 1 MA's), (89, 28479), (93, 28485), (131, 28599),

Gene: George_26 Start: 22254, Stop: 22544, Start Num: 64

Candidate Starts for George_26:

(Start: 24 @22134 has 2 MA's), (Start: 51 @22224 has 38 MA's), (Start: 64 @22254 has 10 MA's), (67, 22260), (104, 22362), (109, 22386), (113, 22407), (123, 22419), (131, 22440), (139, 22473), (147, 22521), (152, 22536),

Gene: Georgie2_31 Start: 22341, Stop: 22682, Start Num: 35

Candidate Starts for Georgie2_31:

(Start: 35 @22341 has 20 MA's), (69, 22422), (Start: 78 @22431 has 1 MA's), (122, 22557), (147, 22659),

Gene: Geralt_33 Start: 28766, Stop: 29140, Start Num: 28

Candidate Starts for Geralt_33:

(Start: 28 @28766 has 267 MA's), (Start: 32 @28781 has 42 MA's), (Start: 35 @28793 has 20 MA's), (109, 29000), (123, 29033), (138, 29075),

Gene: Gex_30 Start: 24736, Stop: 25116, Start Num: 27

Candidate Starts for Gex_30:

(Start: 27 @24736 has 34 MA's), (105, 24946), (109, 24967),

Gene: Ghouboy_27 Start: 22473, Stop: 22793, Start Num: 51

Candidate Starts for Ghouboy_27:

(Start: 24 @22383 has 2 MA's), (Start: 51 @22473 has 38 MA's), (Start: 64 @22503 has 10 MA's), (67, 22509), (93, 22563), (104, 22611), (109, 22635), (113, 22656), (123, 22668), (131, 22689), (139, 22722), (152, 22785),

Gene: GigiOuiOui_33 Start: 28899, Stop: 29270, Start Num: 29

Candidate Starts for GigiOuiOui_33:

(Start: 28 @28896 has 267 MA's), (Start: 29 @28899 has 19 MA's), (Start: 32 @28911 has 42 MA's), (Start: 35 @28923 has 20 MA's), (59, 28983), (109, 29130), (123, 29163),

Gene: Gilberta_30 Start: 23064, Stop: 23387, Start Num: 38
Candidate Starts for Gilberta_30:
(Start: 38 @23064 has 27 MA's), (43, 23073), (84, 23133), (88, 23145), (104, 23187), (116, 23244),

Gene: GingkoMaracino_32 Start: 22849, Stop: 23151, Start Num: 53
Candidate Starts for GingkoMaracino_32:
(34, 22801), (Start: 35 @22804 has 20 MA's), (Start: 53 @22849 has 113 MA's), (66, 22879),

Gene: Girafales_34 Start: 28573, Stop: 28947, Start Num: 28
Candidate Starts for Girafales_34:
(Start: 28 @28573 has 267 MA's), (Start: 29 @28576 has 19 MA's), (Start: 32 @28588 has 42 MA's),
(Start: 35 @28600 has 20 MA's), (109, 28807), (123, 28840), (138, 28882),

Gene: Giroux_31 Start: 22524, Stop: 22826, Start Num: 53
Candidate Starts for Giroux_31:
(23, 22422), (Start: 35 @22479 has 20 MA's), (Start: 53 @22524 has 113 MA's), (66, 22554), (72, 22563),

Gene: Girr_35 Start: 29802, Stop: 30176, Start Num: 28
Candidate Starts for Girr_35:
(Start: 28 @29802 has 267 MA's), (Start: 32 @29817 has 42 MA's), (Start: 35 @29829 has 20 MA's),
(109, 30036), (123, 30069), (138, 30111),

Gene: Gladiator_33 Start: 22200, Stop: 22496, Start Num: 39
Candidate Starts for Gladiator_33:
(Start: 27 @22149 has 34 MA's), (Start: 39 @22200 has 116 MA's), (71, 22248), (109, 22353), (125, 22398),

Gene: Glaske_29 Start: 25744, Stop: 26103, Start Num: 28
Candidate Starts for Glaske_29:
(Start: 28 @25744 has 267 MA's), (62, 25831), (109, 25969), (123, 26002),

Gene: Gonephishing_52 Start: 41701, Stop: 42087, Start Num: 32
Candidate Starts for Gonephishing_52:
(Start: 32 @41701 has 42 MA's), (44, 41740), (49, 41755), (Start: 55 @41764 has 1 MA's), (109, 41911), (114, 41935), (123, 41953), (128, 41983), (130, 41995),

Gene: Gorge_33 Start: 28996, Stop: 29370, Start Num: 28
Candidate Starts for Gorge_33:
(Start: 28 @28996 has 267 MA's), (Start: 29 @28999 has 19 MA's), (Start: 32 @29011 has 42 MA's),
(Start: 35 @29023 has 20 MA's), (109, 29230), (123, 29263), (138, 29305),

Gene: Gratitude_31 Start: 22888, Stop: 23217, Start Num: 42
Candidate Starts for Gratitude_31:
(20, 22729), (Start: 42 @22888 has 26 MA's), (Start: 64 @22915 has 10 MA's), (67, 22921), (91, 22975), (123, 23089), (126, 23104), (145, 23188),

Gene: GreaseLightnin_29 Start: 25736, Stop: 26095, Start Num: 28
Candidate Starts for GreaseLightnin_29:
(Start: 28 @25736 has 267 MA's), (62, 25823), (109, 25961), (123, 25994),

Gene: GreedyLawyer_33 Start: 22213, Stop: 22509, Start Num: 39
Candidate Starts for GreedyLawyer_33:

(Start: 39 @22213 has 116 MA's), (74, 22267), (109, 22366), (125, 22411),

Gene: Grif_32 Start: 23046, Stop: 23348, Start Num: 53

Candidate Starts for Grif_32:

(34, 22998), (Start: 35 @23001 has 20 MA's), (Start: 53 @23046 has 113 MA's), (66, 23076),

Gene: Grimmer_35 Start: 29487, Stop: 29861, Start Num: 28

Candidate Starts for Grimmer_35:

(Start: 28 @29487 has 267 MA's), (Start: 29 @29490 has 19 MA's), (Start: 32 @29502 has 42 MA's), (Start: 35 @29514 has 20 MA's), (109, 29721), (123, 29754), (138, 29796),

Gene: Groundhog_26 Start: 21199, Stop: 21480, Start Num: 51

Candidate Starts for Groundhog_26:

(Start: 51 @21199 has 38 MA's), (Start: 64 @21226 has 10 MA's), (67, 21232), (Start: 78 @21256 has 1 MA's), (93, 21286), (142, 21433), (144, 21448), (148, 21460), (151, 21469),

Gene: Groupthink_33 Start: 23047, Stop: 23349, Start Num: 53

Candidate Starts for Groupthink_33:

(Start: 35 @23002 has 20 MA's), (Start: 53 @23047 has 113 MA's), (97, 23155),

Gene: Grub_32 Start: 22955, Stop: 23257, Start Num: 53

Candidate Starts for Grub_32:

(34, 22907), (Start: 35 @22910 has 20 MA's), (Start: 53 @22955 has 113 MA's), (66, 22985),

Gene: Grum1_32 Start: 22962, Stop: 23264, Start Num: 53

Candidate Starts for Grum1_32:

(34, 22914), (Start: 35 @22917 has 20 MA's), (Start: 53 @22962 has 113 MA's), (66, 22992), (81, 23022), (97, 23070),

Gene: Gruunaga_33 Start: 22200, Stop: 22496, Start Num: 39

Candidate Starts for Gruunaga_33:

(Start: 27 @22149 has 34 MA's), (Start: 39 @22200 has 116 MA's), (71, 22248), (109, 22353), (125, 22398),

Gene: GtownJaz_32 Start: 22964, Stop: 23266, Start Num: 53

Candidate Starts for GtownJaz_32:

(34, 22916), (Start: 35 @22919 has 20 MA's), (Start: 53 @22964 has 113 MA's), (66, 22994),

Gene: Guillsminger_32 Start: 28379, Stop: 28699, Start Num: 58

Candidate Starts for Guillsminger_32:

(Start: 52 @28364 has 40 MA's), (Start: 58 @28379 has 1 MA's), (Start: 78 @28424 has 1 MA's), (89, 28451), (93, 28457), (131, 28571), (138, 28592),

Gene: Guppsters_35 Start: 29282, Stop: 29656, Start Num: 28

Candidate Starts for Guppsters_35:

(Start: 28 @29282 has 267 MA's), (Start: 32 @29297 has 42 MA's), (Start: 35 @29309 has 20 MA's), (98, 29465), (109, 29516), (123, 29549),

Gene: Gwennie_31 Start: 22963, Stop: 23265, Start Num: 53

Candidate Starts for Gwennie_31:

(34, 22915), (Start: 35 @22918 has 20 MA's), (Start: 53 @22963 has 113 MA's), (66, 22993),

Gene: HC_30 Start: 25611, Stop: 25973, Start Num: 28

Candidate Starts for HC_30:

(Start: 28 @25611 has 267 MA's), (Start: 29 @25614 has 19 MA's), (104, 25812), (105, 25815), (109, 25836), (123, 25869),

Gene: HUHilltop_29 Start: 25485, Stop: 25844, Start Num: 28

Candidate Starts for HUHilltop_29:

(Start: 28 @25485 has 267 MA's), (62, 25572), (109, 25710), (123, 25743),

Gene: Hades_34 Start: 29093, Stop: 29467, Start Num: 28

Candidate Starts for Hades_34:

(Start: 28 @29093 has 267 MA's), (Start: 29 @29096 has 19 MA's), (Start: 32 @29108 has 42 MA's), (Start: 35 @29120 has 20 MA's), (59, 29180), (109, 29327), (123, 29360), (138, 29402),

Gene: Halley_51 Start: 43740, Stop: 44135, Start Num: 32

Candidate Starts for Halley_51:

(Start: 32 @43740 has 42 MA's), (45, 43782), (49, 43794), (99, 43905), (109, 43950), (123, 43992), (129, 44025), (130, 44034),

Gene: Hammer_33 Start: 22215, Stop: 22511, Start Num: 39

Candidate Starts for Hammer_33:

(Start: 27 @22164 has 34 MA's), (Start: 39 @22215 has 116 MA's), (71, 22263), (109, 22368), (125, 22413),

Gene: Hamulus_34 Start: 29756, Stop: 30130, Start Num: 28

Candidate Starts for Hamulus_34:

(Start: 28 @29756 has 267 MA's), (30, 29762), (Start: 32 @29771 has 42 MA's), (Start: 35 @29783 has 20 MA's), (109, 29990), (123, 30023), (138, 30065),

Gene: Hanako_27 Start: 23790, Stop: 24299, Start Num: 26

Candidate Starts for Hanako_27:

(1, 23220), (Start: 26 @23790 has 12 MA's), (74, 23916), (83, 23934), (105, 24009), (109, 24036), (113, 24057), (127, 24120), (135, 24189),

Gene: Hannaconda_47 Start: 38249, Stop: 38623, Start Num: 32

Candidate Starts for Hannaconda_47:

(Start: 32 @38249 has 42 MA's), (44, 38288), (49, 38303), (Start: 55 @38312 has 1 MA's), (99, 38414), (109, 38459), (123, 38501), (129, 38534), (130, 38543), (132, 38555),

Gene: Hanray_31 Start: 24012, Stop: 24380, Start Num: 40

Candidate Starts for Hanray_31:

(25, 23952), (Start: 40 @24012 has 26 MA's), (65, 24048), (72, 24054), (81, 24075), (88, 24093), (93, 24102), (113, 24201), (116, 24213), (120, 24234), (123, 24243),

Gene: Harley_33 Start: 28702, Stop: 29076, Start Num: 28

Candidate Starts for Harley_33:

(Start: 28 @28702 has 267 MA's), (Start: 29 @28705 has 19 MA's), (Start: 32 @28717 has 42 MA's), (Start: 35 @28729 has 20 MA's), (59, 28789), (109, 28936), (123, 28969), (138, 29011),

Gene: HarryHoudini_32 Start: 22905, Stop: 23228, Start Num: 42

Candidate Starts for HarryHoudini_32:

(20, 22746), (Start: 42 @22905 has 26 MA's), (Start: 64 @22932 has 10 MA's), (67, 22938), (91, 22992), (123, 23106), (145, 23205),

Gene: HashRod_33 Start: 23050, Stop: 23352, Start Num: 53
Candidate Starts for HashRod_33:
(34, 23002), (Start: 35 @23005 has 20 MA's), (Start: 53 @23050 has 113 MA's), (66, 23080),

Gene: HaveUMetTed_33 Start: 23040, Stop: 23342, Start Num: 53
Candidate Starts for HaveUMetTed_33:
(Start: 35 @22995 has 20 MA's), (Start: 53 @23040 has 113 MA's), (97, 23148),

Gene: Heathen_30 Start: 22326, Stop: 22628, Start Num: 53
Candidate Starts for Heathen_30:
(23, 22227), (Start: 35 @22284 has 20 MA's), (Start: 53 @22326 has 113 MA's), (70, 22362), (97, 22434),

Gene: Heffalump_32 Start: 24270, Stop: 24557, Start Num: 63
Candidate Starts for Heffalump_32:
(22, 24111), (Start: 63 @24270 has 17 MA's), (123, 24435), (131, 24456), (145, 24534),

Gene: Heftyboy_32 Start: 28510, Stop: 28845, Start Num: 52
Candidate Starts for Heftyboy_32:
(Start: 52 @28510 has 40 MA's), (Start: 58 @28525 has 1 MA's), (Start: 78 @28570 has 1 MA's), (89, 28597), (93, 28603), (131, 28717),

Gene: Hegedechwinu_34 Start: 28791, Stop: 29165, Start Num: 28
Candidate Starts for Hegedechwinu_34:
(Start: 28 @28791 has 267 MA's), (Start: 32 @28806 has 42 MA's), (Start: 35 @28818 has 20 MA's), (109, 29025), (123, 29058),

Gene: HelDan_30 Start: 22578, Stop: 22880, Start Num: 53
Candidate Starts for HelDan_30:
(23, 22479), (Start: 35 @22536 has 20 MA's), (Start: 53 @22578 has 113 MA's), (70, 22614), (97, 22686),

Gene: Heliosoles_32 Start: 23047, Stop: 23349, Start Num: 53
Candidate Starts for Heliosoles_32:
(Start: 35 @23002 has 20 MA's), (Start: 53 @23047 has 113 MA's), (97, 23155),

Gene: Helmet_33 Start: 22214, Stop: 22510, Start Num: 39
Candidate Starts for Helmet_33:
(Start: 27 @22163 has 34 MA's), (Start: 39 @22214 has 116 MA's), (71, 22262), (109, 22367), (125, 22412),

Gene: Hercules11_32 Start: 22970, Stop: 23272, Start Num: 53
Candidate Starts for Hercules11_32:
(34, 22922), (Start: 35 @22925 has 20 MA's), (Start: 53 @22970 has 113 MA's), (66, 23000),

Gene: Hexamo_33 Start: 22182, Stop: 22478, Start Num: 39
Candidate Starts for Hexamo_33:
(Start: 27 @22131 has 34 MA's), (Start: 39 @22182 has 116 MA's), (109, 22335), (125, 22380),

Gene: Hidrated_51 Start: 43539, Stop: 43925, Start Num: 32
Candidate Starts for Hidrated_51:
(Start: 32 @43539 has 42 MA's), (44, 43578), (49, 43593), (Start: 55 @43602 has 1 MA's), (109, 43749), (114, 43773), (123, 43791), (128, 43821), (130, 43833),

Gene: HippoHollow_31 Start: 24199, Stop: 24483, Start Num: 64
Candidate Starts for HippoHollow_31:
(Start: 63 @24196 has 17 MA's), (Start: 64 @24199 has 10 MA's), (123, 24361), (145, 24460),

Gene: Hlubikazi_34 Start: 29588, Stop: 29962, Start Num: 28
Candidate Starts for Hlubikazi_34:
(Start: 28 @29588 has 267 MA's), (Start: 32 @29603 has 42 MA's), (Start: 35 @29615 has 20 MA's),
(109, 29822), (123, 29855),

Gene: HokkenD_44 Start: 42009, Stop: 42404, Start Num: 32
Candidate Starts for HokkenD_44:
(Start: 32 @42009 has 42 MA's), (45, 42051), (49, 42063), (99, 42174), (109, 42219), (123, 42261),
(129, 42294), (130, 42303),

Gene: Holec_31 Start: 24012, Stop: 24380, Start Num: 40
Candidate Starts for Holec_31:
(25, 23952), (Start: 40 @24012 has 26 MA's), (65, 24048), (72, 24054), (81, 24075), (88, 24093), (93,
24102), (113, 24201), (116, 24213), (120, 24234), (123, 24243),

Gene: Hookmount_31 Start: 23060, Stop: 23362, Start Num: 53
Candidate Starts for Hookmount_31:
(Start: 35 @23015 has 20 MA's), (Start: 53 @23060 has 113 MA's), (66, 23090), (72, 23099), (89,
23141), (97, 23168),

Gene: Hoot_33 Start: 22192, Stop: 22488, Start Num: 39
Candidate Starts for Hoot_33:
(Start: 39 @22192 has 116 MA's), (74, 22246), (109, 22345), (125, 22390),

Gene: HortumSL17_32 Start: 24008, Stop: 24376, Start Num: 40
Candidate Starts for HortumSL17_32:
(25, 23948), (Start: 40 @24008 has 26 MA's), (65, 24044), (72, 24050), (81, 24071), (88, 24089), (93,
24098), (113, 24197), (116, 24209), (120, 24230), (123, 24239),

Gene: Hughesyang_49 Start: 43669, Stop: 44064, Start Num: 32
Candidate Starts for Hughesyang_49:
(Start: 32 @43669 has 42 MA's), (45, 43711), (49, 43723), (99, 43834), (109, 43879), (123, 43921),
(129, 43954), (130, 43963),

Gene: HuhtaEnerson15_27 Start: 22224, Stop: 22544, Start Num: 51
Candidate Starts for HuhtaEnerson15_27:
(Start: 24 @22134 has 2 MA's), (Start: 51 @22224 has 38 MA's), (Start: 64 @22254 has 10 MA's), (67,
22260), (104, 22362), (109, 22386), (113, 22407), (123, 22419), (131, 22440), (139, 22473), (147,
22521), (152, 22536),

Gene: Hutc2_30 Start: 23070, Stop: 23393, Start Num: 38
Candidate Starts for Hutc2_30:
(Start: 38 @23070 has 27 MA's), (43, 23079), (84, 23139), (88, 23151), (104, 23193), (116, 23250),

Gene: IMpilo_32 Start: 28569, Stop: 28943, Start Num: 28
Candidate Starts for IMpilo_32:
(Start: 28 @28569 has 267 MA's), (Start: 32 @28584 has 42 MA's), (Start: 35 @28596 has 20 MA's),
(109, 28803), (123, 28836), (138, 28878),

Gene: lbOuu_34 Start: 29341, Stop: 29715, Start Num: 28

Candidate Starts for lbOuu_34:

(Start: 28 @29341 has 267 MA's), (Start: 29 @29344 has 19 MA's), (Start: 32 @29356 has 42 MA's), (Start: 35 @29368 has 20 MA's), (59, 29428), (109, 29575), (122, 29605), (123, 29608),

Gene: lbhubesi_33 Start: 28709, Stop: 29083, Start Num: 28

Candidate Starts for lbhubesi_33:

(Start: 28 @28709 has 267 MA's), (Start: 29 @28712 has 19 MA's), (Start: 32 @28724 has 42 MA's), (Start: 35 @28736 has 20 MA's), (59, 28796), (109, 28943), (123, 28976), (138, 29018),

Gene: Idleandcovert_30 Start: 22524, Stop: 22826, Start Num: 53

Candidate Starts for Idleandcovert_30:

(23, 22422), (Start: 35 @22479 has 20 MA's), (Start: 53 @22524 has 113 MA's), (66, 22554), (72, 22563),

Gene: Impisi_29 Start: 24410, Stop: 24775, Start Num: 28

Candidate Starts for Impisi_29:

(Start: 28 @24410 has 267 MA's), (Start: 29 @24413 has 19 MA's), (80, 24533), (104, 24611), (105, 24614),

Gene: Indra_33 Start: 22215, Stop: 22511, Start Num: 39

Candidate Starts for Indra_33:

(Start: 27 @22164 has 34 MA's), (Start: 39 @22215 has 116 MA's), (71, 22263), (109, 22368), (125, 22413),

Gene: Insomnia_30 Start: 23125, Stop: 23448, Start Num: 38

Candidate Starts for Insomnia_30:

(Start: 38 @23125 has 27 MA's), (43, 23134), (84, 23194), (88, 23206), (104, 23248), (116, 23305),

Gene: Inventum_33 Start: 29446, Stop: 29820, Start Num: 28

Candidate Starts for Inventum_33:

(Start: 28 @29446 has 267 MA's), (30, 29452), (Start: 32 @29461 has 42 MA's), (Start: 35 @29473 has 20 MA's), (109, 29680), (123, 29713), (138, 29755),

Gene: InvictusManeo_32 Start: 28438, Stop: 28767, Start Num: 52

Candidate Starts for InvictusManeo_32:

(Start: 52 @28438 has 40 MA's), (Start: 58 @28453 has 1 MA's), (Start: 78 @28498 has 1 MA's), (87, 28519), (89, 28525), (121, 28618), (131, 28645), (138, 28666),

Gene: IrishSherpFalk_35 Start: 30353, Stop: 30727, Start Num: 28

Candidate Starts for IrishSherpFalk_35:

(Start: 28 @30353 has 267 MA's), (Start: 29 @30356 has 19 MA's), (Start: 32 @30368 has 42 MA's), (Start: 35 @30380 has 20 MA's), (109, 30587), (122, 30617), (123, 30620), (138, 30662),

Gene: Isca_30 Start: 22462, Stop: 22764, Start Num: 53

Candidate Starts for Isca_30:

(23, 22363), (Start: 35 @22420 has 20 MA's), (Start: 53 @22462 has 113 MA's), (97, 22570),

Gene: Isiphiwo_33 Start: 22284, Stop: 22580, Start Num: 39

Candidate Starts for Isiphiwo_33:

(Start: 39 @22284 has 116 MA's), (74, 22338), (109, 22437), (125, 22482),

Gene: Island3_32 Start: 27623, Stop: 27982, Start Num: 28

Candidate Starts for Island3_32:

(14, 27455), (21, 27533), (Start: 28 @27623 has 267 MA's), (Start: 32 @27641 has 42 MA's), (59, 27710), (104, 27824), (109, 27848), (123, 27881),

Gene: Iwokeuplikedis_31 Start: 22164, Stop: 22496, Start Num: 42

Candidate Starts for Iwokeuplikedis_31:

(Start: 42 @22164 has 26 MA's), (Start: 64 @22191 has 10 MA's), (67, 22197), (93, 22254), (100, 22287), (145, 22464), (147, 22467),

Gene: JF2_30 Start: 22213, Stop: 22515, Start Num: 53

Candidate Starts for JF2_30:

(23, 22114), (Start: 35 @22171 has 20 MA's), (Start: 53 @22213 has 113 MA's), (97, 22321), (113, 22387), (123, 22399),

Gene: JF4_30 Start: 22213, Stop: 22515, Start Num: 53

Candidate Starts for JF4_30:

(23, 22114), (Start: 35 @22171 has 20 MA's), (Start: 53 @22213 has 113 MA's), (97, 22321), (113, 22387), (123, 22399),

Gene: JHC117_32 Start: 22961, Stop: 23263, Start Num: 53

Candidate Starts for JHC117_32:

(34, 22913), (Start: 35 @22916 has 20 MA's), (Start: 53 @22961 has 113 MA's), (66, 22991),

Gene: JSwag_32 Start: 21391, Stop: 21732, Start Num: 39

Candidate Starts for JSwag_32:

(Start: 39 @21391 has 116 MA's), (Start: 78 @21457 has 1 MA's), (84, 21469), (142, 21679), (150, 21715), (153, 21721),

Gene: Jabiru_27 Start: 21595, Stop: 21915, Start Num: 51

Candidate Starts for Jabiru_27:

(Start: 24 @21505 has 2 MA's), (Start: 51 @21595 has 38 MA's), (Start: 64 @21625 has 10 MA's), (67, 21631), (109, 21757), (123, 21790), (131, 21811), (139, 21844), (144, 21883), (152, 21907),

Gene: Jabith_30 Start: 23125, Stop: 23448, Start Num: 38

Candidate Starts for Jabith_30:

(Start: 38 @23125 has 27 MA's), (43, 23134), (84, 23194), (88, 23206), (104, 23248), (116, 23305),

Gene: JalFarm20_36 Start: 29841, Stop: 30215, Start Num: 28

Candidate Starts for JalFarm20_36:

(Start: 28 @29841 has 267 MA's), (Start: 32 @29856 has 42 MA's), (Start: 35 @29868 has 20 MA's), (109, 30075), (123, 30108),

Gene: James_33 Start: 28953, Stop: 29327, Start Num: 28

Candidate Starts for James_33:

(Start: 28 @28953 has 267 MA's), (Start: 29 @28956 has 19 MA's), (Start: 32 @28968 has 42 MA's), (Start: 35 @28980 has 20 MA's), (109, 29187), (123, 29220), (138, 29262),

Gene: Jamie19_27 Start: 23790, Stop: 24170, Start Num: 27

Candidate Starts for Jamie19_27:

(Start: 27 @23790 has 34 MA's), (105, 24000), (109, 24021),

Gene: Jant_34 Start: 28935, Stop: 29309, Start Num: 28

Candidate Starts for Jant_34:

(Start: 28 @28935 has 267 MA's), (Start: 32 @28950 has 42 MA's), (Start: 35 @28962 has 20 MA's), (109, 29169), (123, 29202),

Gene: Jacob_33 Start: 28989, Stop: 29363, Start Num: 28

Candidate Starts for Jacob_33:

(Start: 28 @28989 has 267 MA's), (Start: 32 @29004 has 42 MA's), (Start: 35 @29016 has 20 MA's), (109, 29223), (122, 29253), (123, 29256), (138, 29298),

Gene: Jebeks_29 Start: 25470, Stop: 25829, Start Num: 28

Candidate Starts for Jebeks_29:

(Start: 28 @25470 has 267 MA's), (62, 25557), (109, 25695), (123, 25728),

Gene: Jeeves_30 Start: 21688, Stop: 21981, Start Num: 39

Candidate Starts for Jeeves_30:

(20, 21529), (Start: 39 @21688 has 116 MA's), (50, 21697), (104, 21832),

Gene: Jeffabunny_33 Start: 22234, Stop: 22530, Start Num: 39

Candidate Starts for Jeffabunny_33:

(Start: 27 @22183 has 34 MA's), (Start: 39 @22234 has 116 MA's), (71, 22282), (109, 22387), (125, 22432),

Gene: JenCasNa_32 Start: 22962, Stop: 23264, Start Num: 53

Candidate Starts for JenCasNa_32:

(34, 22914), (Start: 35 @22917 has 20 MA's), (Start: 53 @22962 has 113 MA's), (66, 22992),

Gene: Jennelsea_27 Start: 24901, Stop: 25275, Start Num: 28

Candidate Starts for Jennelsea_27:

(Start: 28 @24901 has 267 MA's), (Start: 32 @24916 has 42 MA's), (Start: 35 @24928 has 20 MA's), (109, 25135), (122, 25165), (123, 25168), (138, 25210),

Gene: JeppNRM_33 Start: 23046, Stop: 23348, Start Num: 53

Candidate Starts for JeppNRM_33:

(Start: 35 @23001 has 20 MA's), (Start: 53 @23046 has 113 MA's), (97, 23154),

Gene: Jerm_32 Start: 22865, Stop: 23203, Start Num: 39

Candidate Starts for Jerm_32:

(Start: 39 @22865 has 116 MA's), (Start: 64 @22901 has 10 MA's), (67, 22907), (87, 22952), (123, 23075), (126, 23090), (145, 23174),

Gene: JewelBug_33 Start: 22218, Stop: 22514, Start Num: 39

Candidate Starts for JewelBug_33:

(Start: 39 @22218 has 116 MA's), (74, 22272), (109, 22371), (125, 22416),

Gene: Jiawan_31 Start: 24044, Stop: 24412, Start Num: 40

Candidate Starts for Jiawan_31:

(25, 23984), (Start: 40 @24044 has 26 MA's), (65, 24080), (72, 24086), (81, 24107), (88, 24125), (93, 24134), (113, 24233), (116, 24245), (120, 24266), (123, 24275),

Gene: Jinglebell_32 Start: 28974, Stop: 29348, Start Num: 28

Candidate Starts for Jinglebell_32:

(Start: 28 @28974 has 267 MA's), (Start: 29 @28977 has 19 MA's), (Start: 32 @28989 has 42 MA's), (Start: 35 @29001 has 20 MA's), (109, 29208), (122, 29238), (123, 29241), (138, 29283),

Gene: Job42_37 Start: 30762, Stop: 31136, Start Num: 28

Candidate Starts for Job42_37:

(Start: 28 @30762 has 267 MA's), (30, 30768), (Start: 32 @30777 has 42 MA's), (Start: 35 @30789 has 20 MA's), (59, 30849), (109, 30996), (123, 31029), (138, 31071),

Gene: Jobu08_32 Start: 23035, Stop: 23337, Start Num: 53

Candidate Starts for Jobu08_32:

(34, 22987), (Start: 35 @22990 has 20 MA's), (Start: 53 @23035 has 113 MA's), (66, 23065), (72, 23074),

Gene: JoeyJr_33 Start: 28934, Stop: 29308, Start Num: 28

Candidate Starts for JoeyJr_33:

(Start: 28 @28934 has 267 MA's), (30, 28940), (Start: 32 @28949 has 42 MA's), (Start: 35 @28961 has 20 MA's), (109, 29168), (123, 29201), (138, 29243),

Gene: Jordennis_33 Start: 22203, Stop: 22499, Start Num: 39

Candidate Starts for Jordennis_33:

(Start: 39 @22203 has 116 MA's), (74, 22257), (109, 22356), (125, 22401),

Gene: Joselito_30 Start: 23073, Stop: 23396, Start Num: 38

Candidate Starts for Joselito_30:

(Start: 38 @23073 has 27 MA's), (43, 23082), (84, 23142), (88, 23154), (104, 23196), (116, 23253),

Gene: JoshKayV_32 Start: 22835, Stop: 23179, Start Num: 35

Candidate Starts for JoshKayV_32:

(17, 22676), (Start: 35 @22835 has 20 MA's), (36, 22844), (69, 22916), (Start: 78 @22925 has 1 MA's), (122, 23051),

Gene: Journey_30 Start: 24740, Stop: 25108, Start Num: 27

Candidate Starts for Journey_30:

(Start: 27 @24740 has 34 MA's), (68, 24833), (77, 24851), (105, 24938), (109, 24959),

Gene: Journey13_28 Start: 21581, Stop: 21907, Start Num: 40

Candidate Starts for Journey13_28:

(Start: 40 @21581 has 26 MA's), (Start: 64 @21611 has 10 MA's), (67, 21617), (100, 21707), (123, 21785), (145, 21884),

Gene: Jovo_27 Start: 22414, Stop: 22734, Start Num: 51

Candidate Starts for Jovo_27:

(Start: 24 @22324 has 2 MA's), (Start: 51 @22414 has 38 MA's), (Start: 64 @22444 has 10 MA's), (67, 22450), (109, 22576), (122, 22606), (123, 22609), (131, 22630), (139, 22663), (147, 22711), (152, 22726),

Gene: Jsquared_29 Start: 21395, Stop: 21718, Start Num: 42

Candidate Starts for Jsquared_29:

(Start: 27 @21347 has 34 MA's), (Start: 42 @21395 has 26 MA's), (Start: 64 @21422 has 10 MA's), (67, 21428), (72, 21437),

Gene: Juice456_35 Start: 30062, Stop: 30436, Start Num: 28

Candidate Starts for Juice456_35:

(Start: 28 @30062 has 267 MA's), (Start: 32 @30077 has 42 MA's), (Start: 35 @30089 has 20 MA's), (109, 30296), (123, 30329),

Gene: JuicyJay_53 Start: 45516, Stop: 45890, Start Num: 32

Candidate Starts for JuicyJay_53:

(Start: 32 @45516 has 42 MA's), (45, 45558), (49, 45570), (99, 45681), (109, 45726), (123, 45768), (129, 45801), (130, 45810), (132, 45822),

Gene: Jung_28 Start: 25447, Stop: 25806, Start Num: 28

Candidate Starts for Jung_28:

(Start: 28 @25447 has 267 MA's), (62, 25534), (109, 25672), (123, 25705),

Gene: Juniormint_29 Start: 25523, Stop: 25882, Start Num: 28

Candidate Starts for Juniormint_29:

(Start: 28 @25523 has 267 MA's), (62, 25610), (109, 25748), (123, 25781),

Gene: Juniper1_33 Start: 28735, Stop: 29106, Start Num: 29

Candidate Starts for Juniper1_33:

(Start: 28 @28732 has 267 MA's), (Start: 29 @28735 has 19 MA's), (Start: 32 @28747 has 42 MA's), (Start: 35 @28759 has 20 MA's), (109, 28966), (123, 28999), (138, 29041),

Gene: KADY_33 Start: 23002, Stop: 23352, Start Num: 35

Candidate Starts for KADY_33:

(34, 22999), (Start: 35 @23002 has 20 MA's), (Start: 53 @23047 has 113 MA's), (66, 23077), (139, 23287),

Gene: Kachowdy_30 Start: 22578, Stop: 22880, Start Num: 53

Candidate Starts for Kachowdy_30:

(23, 22479), (Start: 35 @22536 has 20 MA's), (Start: 53 @22578 has 113 MA's), (70, 22614), (97, 22686),

Gene: Kalah2_51 Start: 44095, Stop: 44490, Start Num: 32

Candidate Starts for Kalah2_51:

(Start: 32 @44095 has 42 MA's), (45, 44137), (49, 44149), (99, 44260), (109, 44305), (123, 44347), (129, 44380), (130, 44389), (132, 44401),

Gene: Kalb97_33 Start: 23046, Stop: 23348, Start Num: 53

Candidate Starts for Kalb97_33:

(Start: 35 @23001 has 20 MA's), (Start: 53 @23046 has 113 MA's), (97, 23154),

Gene: Kalnoky_33 Start: 23047, Stop: 23349, Start Num: 53

Candidate Starts for Kalnoky_33:

(Start: 35 @23002 has 20 MA's), (Start: 53 @23047 has 113 MA's), (97, 23155),

Gene: Kalpine_33 Start: 24261, Stop: 24569, Start Num: 73

Candidate Starts for Kalpine_33:

(20, 24057), (Start: 39 @24216 has 116 MA's), (Start: 73 @24261 has 1 MA's), (88, 24297), (93, 24306), (104, 24360), (116, 24417), (118, 24423), (125, 24459), (145, 24546),

Gene: Karhdo_33 Start: 28898, Stop: 29272, Start Num: 28

Candidate Starts for Karhdo_33:

(Start: 28 @28898 has 267 MA's), (Start: 29 @28901 has 19 MA's), (Start: 32 @28913 has 42 MA's), (Start: 35 @28925 has 20 MA's), (109, 29132), (123, 29165), (138, 29207),

Gene: Kari_29 Start: 25482, Stop: 25841, Start Num: 28

Candidate Starts for Kari_29:

(Start: 28 @25482 has 267 MA's), (62, 25569), (109, 25707), (123, 25740),

Gene: KashFlow_44 Start: 37870, Stop: 38244, Start Num: 32

Candidate Starts for KashFlow_44:

(Start: 32 @37870 has 42 MA's), (44, 37909), (49, 37924), (Start: 55 @37933 has 1 MA's), (99, 38035), (109, 38080), (123, 38122), (129, 38155), (130, 38164), (132, 38176),

Gene: KatherineG_32 Start: 21527, Stop: 21868, Start Num: 39

Candidate Starts for KatherineG_32:

(Start: 39 @21527 has 116 MA's), (Start: 78 @21593 has 1 MA's), (84, 21605), (142, 21815), (150, 21851), (153, 21857),

Gene: Kazan_33 Start: 22219, Stop: 22515, Start Num: 39

Candidate Starts for Kazan_33:

(Start: 39 @22219 has 116 MA's), (74, 22273), (109, 22372), (125, 22417),

Gene: Kenuha5_30 Start: 27876, Stop: 28250, Start Num: 28

Candidate Starts for Kenuha5_30:

(Start: 28 @27876 has 267 MA's), (Start: 32 @27891 has 42 MA's), (Start: 35 @27903 has 20 MA's), (109, 28110), (123, 28143),

Gene: Kersh_32 Start: 29972, Stop: 30346, Start Num: 28

Candidate Starts for Kersh_32:

(Start: 28 @29972 has 267 MA's), (Start: 29 @29975 has 19 MA's), (Start: 32 @29987 has 42 MA's), (Start: 35 @29999 has 20 MA's), (109, 30206), (123, 30239), (138, 30281),

Gene: Kevin1_29 Start: 24131, Stop: 24568, Start Num: 28

Candidate Starts for Kevin1_29:

(10, 23837), (14, 23963), (21, 24041), (Start: 28 @24131 has 267 MA's), (Start: 54 @24209 has 1 MA's), (Start: 78 @24260 has 1 MA's), (83, 24269), (109, 24371),

Gene: Keziacharles14_30 Start: 22093, Stop: 22422, Start Num: 39

Candidate Starts for Keziacharles14_30:

(Start: 27 @22042 has 34 MA's), (Start: 39 @22093 has 116 MA's), (47, 22111), (65, 22144), (Start: 73 @22153 has 1 MA's), (87, 22186), (88, 22189), (93, 22198), (116, 22309), (123, 22321),

Gene: KilKor_29 Start: 25744, Stop: 26103, Start Num: 28

Candidate Starts for KilKor_29:

(Start: 28 @25744 has 267 MA's), (62, 25831), (109, 25969), (123, 26002),

Gene: Kimba_30 Start: 23128, Stop: 23448, Start Num: 39

Candidate Starts for Kimba_30:

(Start: 38 @23125 has 27 MA's), (Start: 39 @23128 has 116 MA's), (43, 23134), (84, 23194), (88, 23206), (104, 23248), (116, 23305),

Gene: Kimberlium_35 Start: 29890, Stop: 30264, Start Num: 28

Candidate Starts for Kimberlium_35:

(Start: 28 @29890 has 267 MA's), (Start: 29 @29893 has 19 MA's), (Start: 32 @29905 has 42 MA's), (Start: 35 @29917 has 20 MA's), (59, 29977), (109, 30124), (122, 30154), (123, 30157), (138, 30199),

Gene: Kimona_27 Start: 20435, Stop: 20734, Start Num: 54

Candidate Starts for Kimona_27:

(Start: 27 @20345 has 34 MA's), (Start: 39 @20402 has 116 MA's), (Start: 54 @20435 has 1 MA's), (71, 20468), (105, 20564), (123, 20618),

Gene: KingCyrus_32 Start: 22832, Stop: 23176, Start Num: 35

Candidate Starts for KingCyrus_32:

(17, 22673), (Start: 35 @22832 has 20 MA's), (36, 22841), (69, 22913), (Start: 78 @22922 has 1 MA's), (122, 23048),

Gene: KingJulian_33 Start: 28960, Stop: 29334, Start Num: 28

Candidate Starts for KingJulian_33:

(Start: 28 @28960 has 267 MA's), (Start: 32 @28975 has 42 MA's), (Start: 35 @28987 has 20 MA's), (109, 29194), (123, 29227),

Gene: KingMidas_35 Start: 30629, Stop: 31003, Start Num: 28

Candidate Starts for KingMidas_35:

(Start: 28 @30629 has 267 MA's), (Start: 32 @30644 has 42 MA's), (Start: 35 @30656 has 20 MA's), (109, 30863), (123, 30896), (138, 30938),

Gene: Kingsley_32 Start: 28585, Stop: 28959, Start Num: 28

Candidate Starts for Kingsley_32:

(Start: 28 @28585 has 267 MA's), (Start: 29 @28588 has 19 MA's), (Start: 32 @28600 has 42 MA's), (Start: 35 @28612 has 20 MA's), (59, 28672), (109, 28819), (123, 28852),

Gene: Kinmap_31 Start: 22035, Stop: 22355, Start Num: 39

Candidate Starts for Kinmap_31:

(Start: 39 @22035 has 116 MA's), (79, 22092), (88, 22113), (126, 22248),

Gene: Kipper29_33 Start: 22213, Stop: 22509, Start Num: 39

Candidate Starts for Kipper29_33:

(Start: 39 @22213 has 116 MA's), (74, 22267), (109, 22366), (125, 22411),

Gene: Klein_51 Start: 43328, Stop: 43702, Start Num: 32

Candidate Starts for Klein_51:

(Start: 32 @43328 has 42 MA's), (45, 43370), (49, 43382), (99, 43493), (109, 43538), (123, 43580), (129, 43613), (130, 43622), (132, 43634),

Gene: Klodlith_30 Start: 21951, Stop: 22319, Start Num: 39

Candidate Starts for Klodlith_30:

(20, 21792), (Start: 27 @21900 has 34 MA's), (Start: 39 @21951 has 116 MA's), (Start: 73 @21996 has 1 MA's), (84, 22020), (88, 22032), (113, 22140), (116, 22152), (123, 22182), (125, 22194), (131, 22203), (154, 22314),

Gene: Koduck_31 Start: 21634, Stop: 21939, Start Num: 39

Candidate Starts for Koduck_31:

(Start: 27 @21586 has 34 MA's), (Start: 39 @21634 has 116 MA's), (60, 21670), (125, 21838), (133, 21850), (136, 21853), (138, 21871),

Gene: Koella_27 Start: 24913, Stop: 25287, Start Num: 28

Candidate Starts for Koella_27:

(Start: 28 @24913 has 267 MA's), (Start: 32 @24928 has 42 MA's), (Start: 35 @24940 has 20 MA's), (109, 25147), (122, 25177), (123, 25180), (138, 25222),

Gene: Koko_33 Start: 22551, Stop: 22847, Start Num: 39

Candidate Starts for Koko_33:

(Start: 27 @22500 has 34 MA's), (Start: 39 @22551 has 116 MA's), (109, 22704), (125, 22749),

Gene: Krakatau_34 Start: 29459, Stop: 29833, Start Num: 28

Candidate Starts for Krakatau_34:

(Start: 28 @29459 has 267 MA's), (Start: 29 @29462 has 19 MA's), (Start: 32 @29474 has 42 MA's),
(Start: 35 @29486 has 20 MA's), (109, 29693), (123, 29726),

Gene: Kratio_31 Start: 28069, Stop: 28398, Start Num: 52

Candidate Starts for Kratio_31:

(Start: 52 @28069 has 40 MA's), (Start: 58 @28084 has 1 MA's), (75, 28123), (Start: 78 @28129 has 1
MA's), (87, 28150), (89, 28156), (93, 28162), (121, 28249), (131, 28276), (138, 28297),

Gene: KristaRAM_34 Start: 29585, Stop: 29959, Start Num: 28

Candidate Starts for KristaRAM_34:

(Start: 28 @29585 has 267 MA's), (Start: 32 @29600 has 42 MA's), (Start: 35 @29612 has 20 MA's),
(109, 29819), (123, 29852),

Gene: Krueger_33 Start: 26955, Stop: 27311, Start Num: 52

Candidate Starts for Krueger_33:

(Start: 52 @26955 has 40 MA's), (99, 27066), (102, 27075), (119, 27153), (131, 27195), (138, 27216),
(143, 27261),

Gene: Ksquared_29 Start: 25501, Stop: 25860, Start Num: 28

Candidate Starts for Ksquared_29:

(Start: 28 @25501 has 267 MA's), (62, 25588), (109, 25726), (123, 25759),

Gene: L5_30 Start: 21588, Stop: 21893, Start Num: 39

Candidate Starts for L5_30:

(Start: 27 @21540 has 34 MA's), (Start: 39 @21588 has 116 MA's), (60, 21624), (125, 21792), (133,
21804), (136, 21807), (138, 21825),

Gene: LBerry_32 Start: 22963, Stop: 23265, Start Num: 53

Candidate Starts for LBerry_32:

(34, 22915), (Start: 35 @22918 has 20 MA's), (Start: 53 @22963 has 113 MA's), (66, 22993),

Gene: LadyBird_30 Start: 22403, Stop: 22726, Start Num: 42

Candidate Starts for LadyBird_30:

(20, 22244), (Start: 42 @22403 has 26 MA's), (Start: 64 @22430 has 10 MA's), (67, 22436), (91,
22490), (102, 22535), (123, 22604), (126, 22619), (145, 22703),

Gene: Lambert1_31 Start: 23059, Stop: 23361, Start Num: 53

Candidate Starts for Lambert1_31:

(Start: 35 @23014 has 20 MA's), (Start: 53 @23059 has 113 MA's), (66, 23089), (72, 23098), (89,
23140), (97, 23167),

Gene: Langerak_29 Start: 25469, Stop: 25828, Start Num: 28

Candidate Starts for Langerak_29:

(Start: 28 @25469 has 267 MA's), (62, 25556), (109, 25694), (123, 25727),

Gene: Larenn_31 Start: 22700, Stop: 23023, Start Num: 42

Candidate Starts for Larenn_31:

(20, 22541), (Start: 42 @22700 has 26 MA's), (Start: 64 @22727 has 10 MA's), (67, 22733), (91, 22787), (123, 22901), (145, 23000),

Gene: LarryKay_32 Start: 23049, Stop: 23354, Start Num: 53

Candidate Starts for LarryKay_32:

(34, 23001), (Start: 35 @23004 has 20 MA's), (Start: 53 @23049 has 113 MA's), (66, 23079), (139, 23289),

Gene: Larva_33 Start: 28233, Stop: 28562, Start Num: 52

Candidate Starts for Larva_33:

(Start: 52 @28233 has 40 MA's), (Start: 58 @28248 has 1 MA's), (Start: 78 @28293 has 1 MA's), (87, 28314), (89, 28320), (113, 28398), (121, 28413), (131, 28440), (138, 28461),

Gene: LastHope_33 Start: 26912, Stop: 27274, Start Num: 52

Candidate Starts for LastHope_33:

(Start: 52 @26912 has 40 MA's), (102, 27038), (120, 27128), (123, 27137), (131, 27158), (138, 27179),

Gene: LastJedi_27 Start: 24944, Stop: 25318, Start Num: 28

Candidate Starts for LastJedi_27:

(Start: 28 @24944 has 267 MA's), (Start: 32 @24959 has 42 MA's), (Start: 35 @24971 has 20 MA's), (109, 25178), (122, 25208), (123, 25211), (138, 25253),

Gene: LastResort_32 Start: 21408, Stop: 21749, Start Num: 39

Candidate Starts for LastResort_32:

(Start: 39 @21408 has 116 MA's), (Start: 78 @21474 has 1 MA's), (84, 21486), (142, 21696), (150, 21732), (153, 21738),

Gene: Latretium_34 Start: 29544, Stop: 29918, Start Num: 28

Candidate Starts for Latretium_34:

(Start: 28 @29544 has 267 MA's), (Start: 32 @29559 has 42 MA's), (Start: 35 @29571 has 20 MA's), (109, 29778), (123, 29811),

Gene: Leogania_32 Start: 24566, Stop: 24916, Start Num: 35

Candidate Starts for Leogania_32:

(Start: 35 @24566 has 20 MA's), (Start: 64 @24638 has 10 MA's), (71, 24650), (102, 24716), (122, 24782), (138, 24827),

Gene: Leozinho_35 Start: 29187, Stop: 29561, Start Num: 28

Candidate Starts for Leozinho_35:

(Start: 28 @29187 has 267 MA's), (Start: 32 @29202 has 42 MA's), (Start: 35 @29214 has 20 MA's), (109, 29421), (123, 29454),

Gene: Leperchaun_33 Start: 28842, Stop: 29213, Start Num: 29

Candidate Starts for Leperchaun_33:

(Start: 28 @28839 has 267 MA's), (Start: 29 @28842 has 19 MA's), (Start: 32 @28854 has 42 MA's), (Start: 35 @28866 has 20 MA's), (109, 29073), (123, 29106), (138, 29148),

Gene: Leston_32 Start: 28554, Stop: 28829, Start Num: 78

Candidate Starts for Leston_32:

(Start: 52 @28494 has 40 MA's), (Start: 58 @28509 has 1 MA's), (Start: 78 @28554 has 1 MA's), (89, 28581), (93, 28587), (131, 28701), (138, 28722),

Gene: Lev2_27 Start: 22046, Stop: 22366, Start Num: 51

Candidate Starts for Lev2_27:

(Start: 24 @21956 has 2 MA's), (Start: 51 @22046 has 38 MA's), (Start: 64 @22076 has 10 MA's), (67, 22082), (109, 22208), (122, 22238), (123, 22241), (131, 22262), (139, 22295), (147, 22343), (152, 22358),

Gene: Leviathan_32 Start: 22921, Stop: 23259, Start Num: 39

Candidate Starts for Leviathan_32:

(Start: 39 @22921 has 116 MA's), (Start: 64 @22957 has 10 MA's), (67, 22963), (91, 23017), (123, 23131), (126, 23146), (145, 23230),

Gene: LilDirt_31 Start: 28195, Stop: 28524, Start Num: 52

Candidate Starts for LilDirt_31:

(Start: 52 @28195 has 40 MA's), (Start: 58 @28210 has 1 MA's), (Start: 78 @28255 has 1 MA's), (87, 28276), (89, 28282), (121, 28375), (131, 28402), (138, 28423),

Gene: LilMoolah_33 Start: 29037, Stop: 29411, Start Num: 28

Candidate Starts for LilMoolah_33:

(Start: 28 @29037 has 267 MA's), (Start: 32 @29052 has 42 MA's), (Start: 35 @29064 has 20 MA's), (109, 29271), (122, 29301), (123, 29304), (138, 29346),

Gene: LilTurb_32 Start: 22924, Stop: 23262, Start Num: 39

Candidate Starts for LilTurb_32:

(Start: 39 @22924 has 116 MA's), (Start: 64 @22960 has 10 MA's), (67, 22966), (87, 23011), (123, 23134), (126, 23149), (145, 23233),

Gene: Lilbunny_33 Start: 22208, Stop: 22504, Start Num: 39

Candidate Starts for Lilbunny_33:

(Start: 27 @22157 has 34 MA's), (Start: 39 @22208 has 116 MA's), (71, 22256), (109, 22361), (125, 22406),

Gene: Lilith_32 Start: 22956, Stop: 23258, Start Num: 53

Candidate Starts for Lilith_32:

(34, 22908), (Start: 35 @22911 has 20 MA's), (Start: 53 @22956 has 113 MA's), (66, 22986),

Gene: Lilleskat_30 Start: 24008, Stop: 24376, Start Num: 40

Candidate Starts for Lilleskat_30:

(25, 23948), (Start: 40 @24008 has 26 MA's), (65, 24044), (72, 24050), (81, 24071), (88, 24089), (93, 24098), (113, 24197), (116, 24209), (120, 24230), (123, 24239), (131, 24260),

Gene: LionsBait_31 Start: 24193, Stop: 24477, Start Num: 64

Candidate Starts for LionsBait_31:

(Start: 63 @24190 has 17 MA's), (Start: 64 @24193 has 10 MA's), (123, 24355), (145, 24454),

Gene: LittleCherry_27 Start: 22255, Stop: 22545, Start Num: 64

Candidate Starts for LittleCherry_27:

(Start: 24 @22135 has 2 MA's), (Start: 51 @22225 has 38 MA's), (Start: 64 @22255 has 10 MA's), (67, 22261), (104, 22363), (109, 22387), (113, 22408), (123, 22420), (131, 22441), (139, 22474), (147, 22522), (152, 22537),

Gene: LittleE_55 Start: 43568, Stop: 43954, Start Num: 32

Candidate Starts for LittleE_55:

(Start: 32 @43568 has 42 MA's), (44, 43607), (49, 43622), (Start: 55 @43631 has 1 MA's), (109, 43778), (114, 43802), (123, 43820), (128, 43850), (130, 43862),

Gene: LittleShirley_36 Start: 30407, Stop: 30778, Start Num: 29

Candidate Starts for LittleShirley_36:

(Start: 28 @30404 has 267 MA's), (Start: 29 @30407 has 19 MA's), (Start: 32 @30419 has 42 MA's),
(Start: 35 @30431 has 20 MA's), (109, 30638), (123, 30671),

Gene: Lizziana_33 Start: 28912, Stop: 29286, Start Num: 28

Candidate Starts for Lizziana_33:

(Start: 28 @28912 has 267 MA's), (Start: 32 @28927 has 42 MA's), (Start: 35 @28939 has 20 MA's),
(109, 29146), (122, 29176), (123, 29179), (138, 29221),

Gene: Llama_33 Start: 28973, Stop: 29347, Start Num: 28

Candidate Starts for Llama_33:

(Start: 28 @28973 has 267 MA's), (Start: 29 @28976 has 19 MA's), (Start: 32 @28988 has 42 MA's),
(Start: 35 @29000 has 20 MA's), (109, 29207), (122, 29237), (123, 29240), (138, 29282),

Gene: Llij_33 Start: 28744, Stop: 29118, Start Num: 28

Candidate Starts for Llij_33:

(Start: 28 @28744 has 267 MA's), (Start: 29 @28747 has 19 MA's), (Start: 32 @28759 has 42 MA's),
(Start: 35 @28771 has 20 MA's), (109, 28978), (123, 29011), (138, 29053),

Gene: LogiBear_32 Start: 22667, Stop: 22957, Start Num: 39

Candidate Starts for LogiBear_32:

(Start: 39 @22667 has 116 MA's), (61, 22694), (Start: 64 @22700 has 10 MA's), (85, 22736), (89,
22748), (93, 22754), (104, 22787),

Gene: Lokk_33 Start: 24070, Stop: 24357, Start Num: 63

Candidate Starts for Lokk_33:

(22, 23911), (Start: 63 @24070 has 17 MA's), (123, 24235), (131, 24256), (145, 24334),

Gene: LoneWolf_31 Start: 23601, Stop: 23969, Start Num: 40

Candidate Starts for LoneWolf_31:

(Start: 29 @23559 has 19 MA's), (31, 23565), (Start: 40 @23601 has 26 MA's), (84, 23670), (87,
23679), (88, 23682), (93, 23691), (113, 23790), (123, 23832), (125, 23844), (138, 23874),

Gene: Looper_33 Start: 21405, Stop: 21746, Start Num: 39

Candidate Starts for Looper_33:

(Start: 39 @21405 has 116 MA's), (Start: 78 @21471 has 1 MA's), (84, 21483), (142, 21693), (150,
21729), (153, 21735),

Gene: LordVader_30 Start: 23943, Stop: 24374, Start Num: 28

Candidate Starts for LordVader_30:

(14, 23775), (21, 23853), (Start: 28 @23943 has 267 MA's), (Start: 32 @23961 has 42 MA's), (50,
24018), (83, 24075), (102, 24135), (107, 24168), (113, 24198), (124, 24231),

Gene: Lorde_35 Start: 29001, Stop: 29375, Start Num: 28

Candidate Starts for Lorde_35:

(Start: 28 @29001 has 267 MA's), (Start: 78 @29130 has 1 MA's), (83, 29139), (109, 29235), (123,
29268),

Gene: Louie6_32 Start: 23050, Stop: 23352, Start Num: 53

Candidate Starts for Louie6_32:

(34, 23002), (Start: 35 @23005 has 20 MA's), (Start: 53 @23050 has 113 MA's), (66, 23080),

Gene: Lowa_32 Start: 22955, Stop: 23257, Start Num: 53

Candidate Starts for Lowa_32:

(34, 22907), (Start: 35 @22910 has 20 MA's), (Start: 53 @22955 has 113 MA's), (66, 22985),

Gene: Luchador_32 Start: 22915, Stop: 23271, Start Num: 39

Candidate Starts for Luchador_32:

(20, 22756), (Start: 39 @22915 has 116 MA's), (65, 22951), (84, 22984), (93, 23005), (113, 23104), (116, 23116), (123, 23146), (131, 23167),

Gene: Lucia_34 Start: 28875, Stop: 29249, Start Num: 28

Candidate Starts for Lucia_34:

(Start: 28 @28875 has 267 MA's), (Start: 29 @28878 has 19 MA's), (Start: 32 @28890 has 42 MA's), (Start: 35 @28902 has 20 MA's), (59, 28962), (109, 29109), (123, 29142), (138, 29184),

Gene: Lucivia_30 Start: 23122, Stop: 23445, Start Num: 38

Candidate Starts for Lucivia_30:

(Start: 38 @23122 has 27 MA's), (43, 23131), (84, 23191), (88, 23203), (104, 23245), (116, 23302),

Gene: Lucky2013_50 Start: 40559, Stop: 40945, Start Num: 32

Candidate Starts for Lucky2013_50:

(Start: 32 @40559 has 42 MA's), (44, 40598), (49, 40613), (Start: 55 @40622 has 1 MA's), (109, 40769), (114, 40793), (123, 40811), (128, 40841), (130, 40853),

Gene: Lucyedi_31 Start: 23189, Stop: 23464, Start Num: 39

Candidate Starts for Lucyedi_31:

(Start: 39 @23189 has 116 MA's), (67, 23231), (74, 23243), (79, 23255), (93, 23285), (104, 23318), (109, 23342),

Gene: LugYA_34 Start: 22963, Stop: 23265, Start Num: 53

Candidate Starts for LugYA_34:

(34, 22915), (Start: 35 @22918 has 20 MA's), (Start: 53 @22963 has 113 MA's), (66, 22993),

Gene: LunaBlu_36 Start: 29776, Stop: 30150, Start Num: 28

Candidate Starts for LunaBlu_36:

(Start: 28 @29776 has 267 MA's), (Start: 32 @29791 has 42 MA's), (Start: 35 @29803 has 20 MA's), (109, 30010), (123, 30043),

Gene: MA5_30 Start: 22141, Stop: 22443, Start Num: 53

Candidate Starts for MA5_30:

(Start: 35 @22099 has 20 MA's), (Start: 53 @22141 has 113 MA's), (70, 22177), (123, 22327),

Gene: MK4_30 Start: 22447, Stop: 22749, Start Num: 53

Candidate Starts for MK4_30:

(23, 22348), (Start: 35 @22405 has 20 MA's), (Start: 53 @22447 has 113 MA's), (97, 22555), (113, 22621), (123, 22633),

Gene: MaCh_30 Start: 23064, Stop: 23387, Start Num: 38

Candidate Starts for MaCh_30:

(Start: 38 @23064 has 27 MA's), (43, 23073), (84, 23133), (88, 23145), (104, 23187), (116, 23244),

Gene: Mabel_30 Start: 23128, Stop: 23448, Start Num: 39

Candidate Starts for Mabel_30:

(Start: 38 @23125 has 27 MA's), (Start: 39 @23128 has 116 MA's), (43, 23134), (84, 23194), (88, 23206), (104, 23248), (116, 23305),

Gene: MadMarie_32 Start: 22965, Stop: 23267, Start Num: 53

Candidate Starts for MadMarie_32:

(34, 22917), (Start: 35 @22920 has 20 MA's), (Start: 53 @22965 has 113 MA's), (66, 22995),

Gene: MadMen_31 Start: 28197, Stop: 28571, Start Num: 28

Candidate Starts for MadMen_31:

(Start: 28 @28197 has 267 MA's), (Start: 32 @28212 has 42 MA's), (Start: 35 @28224 has 20 MA's), (Start: 78 @28326 has 1 MA's), (109, 28431), (123, 28464),

Gene: Madiba_31 Start: 27677, Stop: 28048, Start Num: 29

Candidate Starts for Madiba_31:

(Start: 28 @27674 has 267 MA's), (Start: 29 @27677 has 19 MA's), (Start: 32 @27689 has 42 MA's), (Start: 35 @27701 has 20 MA's), (109, 27908), (123, 27941), (138, 27983),

Gene: Magsby_30 Start: 24737, Stop: 25117, Start Num: 27

Candidate Starts for Magsby_30:

(Start: 27 @24737 has 34 MA's), (105, 24947), (109, 24968),

Gene: Mahavrat_33 Start: 28804, Stop: 29178, Start Num: 28

Candidate Starts for Mahavrat_33:

(Start: 28 @28804 has 267 MA's), (Start: 29 @28807 has 19 MA's), (Start: 32 @28819 has 42 MA's), (Start: 35 @28831 has 20 MA's), (59, 28891), (109, 29038), (123, 29071), (138, 29113),

Gene: Mainiac_32 Start: 22956, Stop: 23258, Start Num: 53

Candidate Starts for Mainiac_32:

(34, 22908), (Start: 35 @22911 has 20 MA's), (Start: 53 @22956 has 113 MA's), (66, 22986),

Gene: Majeke_29 Start: 25491, Stop: 25850, Start Num: 28

Candidate Starts for Majeke_29:

(Start: 28 @25491 has 267 MA's), (62, 25578), (109, 25716), (123, 25749),

Gene: MajorMajor_29 Start: 21322, Stop: 21645, Start Num: 42

Candidate Starts for MajorMajor_29:

(Start: 27 @21274 has 34 MA's), (Start: 42 @21322 has 26 MA's), (Start: 64 @21349 has 10 MA's), (67, 21355), (72, 21364), (101, 21451),

Gene: MalagasyRose_33 Start: 27132, Stop: 27446, Start Num: 52

Candidate Starts for MalagasyRose_33:

(Start: 52 @27132 has 40 MA's), (94, 27225), (102, 27267), (113, 27324), (116, 27336), (120, 27357), (124, 27369), (137, 27399), (141, 27429),

Gene: Malec_31 Start: 22705, Stop: 23028, Start Num: 42

Candidate Starts for Malec_31:

(20, 22546), (Start: 42 @22705 has 26 MA's), (Start: 64 @22732 has 10 MA's), (67, 22738), (72, 22747), (91, 22792), (122, 22903), (145, 23005),

Gene: Malinsilva_34 Start: 22955, Stop: 23257, Start Num: 53

Candidate Starts for Malinsilva_34:

(34, 22907), (Start: 35 @22910 has 20 MA's), (Start: 53 @22955 has 113 MA's), (66, 22985),

Gene: Malithi_29 Start: 25410, Stop: 25769, Start Num: 28
Candidate Starts for Malithi_29:
(Start: 28 @25410 has 267 MA's), (62, 25497), (109, 25635), (123, 25668),

Gene: Maminiaina_31 Start: 23549, Stop: 23914, Start Num: 39
Candidate Starts for Maminiaina_31:
(20, 23390), (Start: 39 @23549 has 116 MA's), (65, 23585), (72, 23591), (84, 23618), (88, 23630),
(113, 23738), (116, 23750), (139, 23834),

Gene: Mandlovu_34 Start: 29530, Stop: 29904, Start Num: 28
Candidate Starts for Mandlovu_34:
(Start: 28 @29530 has 267 MA's), (Start: 32 @29545 has 42 MA's), (Start: 35 @29557 has 20 MA's),
(109, 29764), (123, 29797),

Gene: Mangethe_29 Start: 25491, Stop: 25850, Start Num: 28
Candidate Starts for Mangethe_29:
(Start: 28 @25491 has 267 MA's), (62, 25578), (109, 25716), (123, 25749),

Gene: Mantra_33 Start: 28863, Stop: 29237, Start Num: 28
Candidate Starts for Mantra_33:
(Start: 28 @28863 has 267 MA's), (Start: 29 @28866 has 19 MA's), (Start: 32 @28878 has 42 MA's),
(Start: 35 @28890 has 20 MA's), (109, 29097), (123, 29130),

Gene: Manu_33 Start: 23047, Stop: 23349, Start Num: 53
Candidate Starts for Manu_33:
(Start: 35 @23002 has 20 MA's), (Start: 53 @23047 has 113 MA's), (97, 23155),

Gene: MarQuardt_32 Start: 22964, Stop: 23266, Start Num: 53
Candidate Starts for MarQuardt_32:
(34, 22916), (Start: 35 @22919 has 20 MA's), (Start: 53 @22964 has 113 MA's), (66, 22994), (75,
23012),

Gene: Maravista_33 Start: 28694, Stop: 29068, Start Num: 28
Candidate Starts for Maravista_33:
(Start: 28 @28694 has 267 MA's), (Start: 32 @28709 has 42 MA's), (Start: 35 @28721 has 20 MA's),
(109, 28928), (122, 28958), (123, 28961), (138, 29003),

Gene: Marchesa_30 Start: 22576, Stop: 22878, Start Num: 53
Candidate Starts for Marchesa_30:
(23, 22477), (Start: 35 @22534 has 20 MA's), (Start: 53 @22576 has 113 MA's), (70, 22612), (97,
22684),

Gene: Margo_31 Start: 23085, Stop: 23387, Start Num: 53
Candidate Starts for Margo_31:
(Start: 35 @23040 has 20 MA's), (Start: 53 @23085 has 113 MA's), (66, 23115), (72, 23124), (89,
23166), (97, 23193),

Gene: Marie_32 Start: 22962, Stop: 23264, Start Num: 53
Candidate Starts for Marie_32:
(34, 22914), (Start: 35 @22917 has 20 MA's), (Start: 53 @22962 has 113 MA's), (66, 22992),

Gene: Marius_33 Start: 23047, Stop: 23349, Start Num: 53
Candidate Starts for Marius_33:

(Start: 35 @23002 has 20 MA's), (Start: 53 @23047 has 113 MA's), (97, 23155),

Gene: Marker_34 Start: 28630, Stop: 29004, Start Num: 28

Candidate Starts for Marker_34:

(Start: 28 @28630 has 267 MA's), (30, 28636), (Start: 32 @28645 has 42 MA's), (Start: 35 @28657 has 20 MA's), (59, 28717), (109, 28864), (123, 28897),

Gene: Marleymoo_52 Start: 43437, Stop: 43823, Start Num: 32

Candidate Starts for Marleymoo_52:

(Start: 32 @43437 has 42 MA's), (44, 43476), (49, 43491), (Start: 55 @43500 has 1 MA's), (109, 43647), (114, 43671), (123, 43689), (128, 43719), (130, 43731),

Gene: Martik_33 Start: 28939, Stop: 29313, Start Num: 28

Candidate Starts for Martik_33:

(Start: 28 @28939 has 267 MA's), (Start: 32 @28954 has 42 MA's), (Start: 35 @28966 has 20 MA's), (109, 29173), (122, 29203), (123, 29206), (138, 29248),

Gene: MarysWell_26 Start: 22303, Stop: 22593, Start Num: 64

Candidate Starts for MarysWell_26:

(15, 22033), (Start: 24 @22183 has 2 MA's), (Start: 51 @22273 has 38 MA's), (Start: 64 @22303 has 10 MA's), (67, 22309), (109, 22435), (122, 22465), (123, 22468), (131, 22489), (152, 22585),

Gene: Mattes_33 Start: 28953, Stop: 29327, Start Num: 28

Candidate Starts for Mattes_33:

(Start: 28 @28953 has 267 MA's), (Start: 29 @28956 has 19 MA's), (Start: 32 @28968 has 42 MA's), (Start: 35 @28980 has 20 MA's), (109, 29187), (123, 29220), (138, 29262),

Gene: McFly_33 Start: 22213, Stop: 22509, Start Num: 39

Candidate Starts for McFly_33:

(Start: 39 @22213 has 116 MA's), (74, 22267), (109, 22366), (125, 22411),

Gene: McMater_33 Start: 27083, Stop: 27445, Start Num: 52

Candidate Starts for McMater_33:

(Start: 52 @27083 has 40 MA's), (102, 27209), (119, 27287), (131, 27329), (137, 27341), (138, 27350), (139, 27362),

Gene: Medindi_34 Start: 29341, Stop: 29715, Start Num: 28

Candidate Starts for Medindi_34:

(Start: 28 @29341 has 267 MA's), (Start: 32 @29356 has 42 MA's), (Start: 35 @29368 has 20 MA's), (109, 29575), (123, 29608),

Gene: MegTheThird_30 Start: 21950, Stop: 22312, Start Num: 39

Candidate Starts for MegTheThird_30:

(Start: 39 @21950 has 116 MA's), (79, 22010), (87, 22028), (88, 22031), (113, 22139), (116, 22151), (123, 22181), (125, 22193), (131, 22202),

Gene: Megiddo_29 Start: 25744, Stop: 26103, Start Num: 28

Candidate Starts for Megiddo_29:

(Start: 28 @25744 has 267 MA's), (62, 25831), (109, 25969), (123, 26002),

Gene: Melissauren88_33 Start: 28906, Stop: 29280, Start Num: 28

Candidate Starts for Melissauren88_33:

(Start: 28 @28906 has 267 MA's), (Start: 32 @28921 has 42 MA's), (Start: 35 @28933 has 20 MA's), (109, 29140), (123, 29173),

Gene: Melville_30 Start: 24740, Stop: 25120, Start Num: 27

Candidate Starts for Melville_30:

(Start: 27 @24740 has 34 MA's), (105, 24950), (109, 24971),

Gene: Methuselah_31 Start: 23046, Stop: 23348, Start Num: 53

Candidate Starts for Methuselah_31:

(34, 22998), (Start: 35 @23001 has 20 MA's), (Start: 53 @23046 has 113 MA's), (66, 23076),

Gene: MiaZeal_50 Start: 40234, Stop: 40620, Start Num: 32

Candidate Starts for MiaZeal_50:

(Start: 32 @40234 has 42 MA's), (44, 40273), (49, 40288), (Start: 55 @40297 has 1 MA's), (109, 40444), (114, 40468), (123, 40486), (128, 40516), (130, 40528),

Gene: Micasa_27 Start: 22199, Stop: 22519, Start Num: 51

Candidate Starts for Micasa_27:

(Start: 24 @22109 has 2 MA's), (Start: 51 @22199 has 38 MA's), (Start: 64 @22229 has 10 MA's), (67, 22235), (104, 22337), (109, 22361), (122, 22391), (123, 22394), (131, 22415), (152, 22511),

Gene: MichelleMyBell_28 Start: 23728, Stop: 24108, Start Num: 27

Candidate Starts for MichelleMyBell_28:

(Start: 27 @23728 has 34 MA's), (105, 23938), (109, 23959),

Gene: Microwolf_32 Start: 22964, Stop: 23266, Start Num: 53

Candidate Starts for Microwolf_32:

(34, 22916), (Start: 35 @22919 has 20 MA's), (Start: 53 @22964 has 113 MA's), (66, 22994),

Gene: MiculUcigas_30 Start: 22445, Stop: 22774, Start Num: 42

Candidate Starts for MiculUcigas_30:

(20, 22286), (Start: 42 @22445 has 26 MA's), (Start: 64 @22472 has 10 MA's), (67, 22478), (91, 22532), (123, 22646), (126, 22661), (145, 22745),

Gene: Midas2_27 Start: 22303, Stop: 22593, Start Num: 64

Candidate Starts for Midas2_27:

(Start: 24 @22183 has 2 MA's), (Start: 51 @22273 has 38 MA's), (Start: 64 @22303 has 10 MA's), (67, 22309), (104, 22411), (109, 22435), (113, 22456), (123, 22468), (131, 22489), (139, 22522), (147, 22570), (152, 22585),

Gene: Miko_33 Start: 24038, Stop: 24325, Start Num: 63

Candidate Starts for Miko_33:

(22, 23879), (Start: 63 @24038 has 17 MA's), (123, 24203), (131, 24224),

Gene: MilanaBonita_27 Start: 24837, Stop: 25211, Start Num: 28

Candidate Starts for MilanaBonita_27:

(3, 24318), (Start: 28 @24837 has 267 MA's), (Start: 32 @24852 has 42 MA's), (Start: 35 @24864 has 20 MA's), (109, 25071), (123, 25104),

Gene: Milcery_27 Start: 22229, Stop: 22549, Start Num: 51

Candidate Starts for Milcery_27:

(Start: 24 @22139 has 2 MA's), (Start: 51 @22229 has 38 MA's), (Start: 64 @22259 has 10 MA's), (67, 22265), (104, 22367), (109, 22391), (113, 22412), (123, 22424), (131, 22445), (139, 22478), (147,

22526), (152, 22541),

Gene: MilleniumForce_34 Start: 29698, Stop: 30072, Start Num: 28

Candidate Starts for MilleniumForce_34:

(Start: 28 @29698 has 267 MA's), (Start: 32 @29713 has 42 MA's), (Start: 35 @29725 has 20 MA's), (109, 29932), (123, 29965),

Gene: MinecraftSteve_33 Start: 21527, Stop: 21868, Start Num: 39

Candidate Starts for MinecraftSteve_33:

(Start: 39 @21527 has 116 MA's), (Start: 78 @21593 has 1 MA's), (84, 21605), (142, 21815), (150, 21851), (153, 21857),

Gene: Minerva_57 Start: 45156, Stop: 45551, Start Num: 32

Candidate Starts for Minerva_57:

(Start: 32 @45156 has 42 MA's), (45, 45198), (49, 45210), (99, 45321), (109, 45366), (123, 45408), (129, 45441), (130, 45450), (132, 45462),

Gene: MinionDave_36 Start: 29935, Stop: 30309, Start Num: 28

Candidate Starts for MinionDave_36:

(Start: 28 @29935 has 267 MA's), (Start: 32 @29950 has 42 MA's), (Start: 35 @29962 has 20 MA's), (109, 30169), (123, 30202),

Gene: Minispark_28 Start: 21862, Stop: 22227, Start Num: 39

Candidate Starts for Minispark_28:

(Start: 27 @21811 has 34 MA's), (Start: 39 @21862 has 116 MA's), (81, 21925), (84, 21931), (85, 21934), (114, 22054), (120, 22084), (123, 22093), (125, 22105),

Gene: Minnie_35 Start: 29748, Stop: 30122, Start Num: 28

Candidate Starts for Minnie_35:

(Start: 28 @29748 has 267 MA's), (30, 29754), (Start: 32 @29763 has 42 MA's), (Start: 35 @29775 has 20 MA's), (59, 29835), (109, 29982), (123, 30015), (138, 30057),

Gene: Miryou_32 Start: 28349, Stop: 28684, Start Num: 52

Candidate Starts for Miryou_32:

(Start: 52 @28349 has 40 MA's), (Start: 58 @28364 has 1 MA's), (Start: 78 @28409 has 1 MA's), (89, 28436), (93, 28442), (131, 28556),

Gene: Misha28_34 Start: 28648, Stop: 29022, Start Num: 28

Candidate Starts for Misha28_34:

(Start: 28 @28648 has 267 MA's), (Start: 32 @28663 has 42 MA's), (Start: 35 @28675 has 20 MA's), (59, 28735), (109, 28882), (123, 28915),

Gene: Misomonster_34 Start: 23046, Stop: 23351, Start Num: 53

Candidate Starts for Misomonster_34:

(34, 22998), (Start: 35 @23001 has 20 MA's), (Start: 53 @23046 has 113 MA's), (66, 23076), (139, 23286),

Gene: MissWhite_30 Start: 21529, Stop: 21855, Start Num: 40

Candidate Starts for MissWhite_30:

(Start: 40 @21529 has 26 MA's), (Start: 42 @21532 has 26 MA's), (Start: 64 @21559 has 10 MA's), (67, 21565), (86, 21607), (100, 21655), (123, 21733), (145, 21832),

Gene: MisterCuddles_35 Start: 29802, Stop: 30176, Start Num: 28

Candidate Starts for MisterCuddles_35:

(Start: 28 @29802 has 267 MA's), (Start: 32 @29817 has 42 MA's), (Start: 35 @29829 has 20 MA's), (109, 30036), (123, 30069), (138, 30111),

Gene: Modragons_33 Start: 28818, Stop: 29192, Start Num: 28

Candidate Starts for Modragons_33:

(Start: 28 @28818 has 267 MA's), (Start: 29 @28821 has 19 MA's), (Start: 32 @28833 has 42 MA's), (Start: 35 @28845 has 20 MA's), (109, 29052), (122, 29082), (123, 29085), (138, 29127),

Gene: MoneyMay_32 Start: 22962, Stop: 23264, Start Num: 53

Candidate Starts for MoneyMay_32:

(34, 22914), (Start: 35 @22917 has 20 MA's), (Start: 53 @22962 has 113 MA's), (66, 22992),

Gene: Montavir_31 Start: 22963, Stop: 23265, Start Num: 53

Candidate Starts for Montavir_31:

(34, 22915), (Start: 35 @22918 has 20 MA's), (Start: 53 @22963 has 113 MA's), (66, 22993),

Gene: Moonbeam_34 Start: 29452, Stop: 29826, Start Num: 28

Candidate Starts for Moonbeam_34:

(Start: 28 @29452 has 267 MA's), (Start: 32 @29467 has 42 MA's), (Start: 35 @29479 has 20 MA's), (109, 29686), (123, 29719),

Gene: Mova_34 Start: 28587, Stop: 28961, Start Num: 28

Candidate Starts for Mova_34:

(Start: 28 @28587 has 267 MA's), (Start: 32 @28602 has 42 MA's), (Start: 35 @28614 has 20 MA's), (109, 28821), (123, 28854),

Gene: Mozy_35 Start: 29643, Stop: 30017, Start Num: 28

Candidate Starts for Mozy_35:

(Start: 28 @29643 has 267 MA's), (Start: 29 @29646 has 19 MA's), (Start: 32 @29658 has 42 MA's), (Start: 35 @29670 has 20 MA's), (59, 29730), (109, 29877), (123, 29910), (138, 29952),

Gene: Ms6_27 Start: 24369, Stop: 24743, Start Num: 28

Candidate Starts for Ms6_27:

(Start: 28 @24369 has 267 MA's), (Start: 32 @24384 has 42 MA's), (Start: 35 @24396 has 20 MA's), (109, 24603), (123, 24636),

Gene: MuchMore_34 Start: 22955, Stop: 23257, Start Num: 53

Candidate Starts for MuchMore_34:

(34, 22907), (Start: 35 @22910 has 20 MA's), (Start: 53 @22955 has 113 MA's), (66, 22985),

Gene: MulchExplorer_35 Start: 29892, Stop: 30263, Start Num: 29

Candidate Starts for MulchExplorer_35:

(Start: 28 @29889 has 267 MA's), (Start: 29 @29892 has 19 MA's), (Start: 32 @29904 has 42 MA's), (Start: 35 @29916 has 20 MA's), (59, 29976), (109, 30123), (122, 30153), (123, 30156), (138, 30198),

Gene: MulchSalad_32 Start: 25650, Stop: 26024, Start Num: 28

Candidate Starts for MulchSalad_32:

(Start: 28 @25650 has 267 MA's), (Start: 32 @25665 has 42 MA's), (Start: 35 @25677 has 20 MA's), (109, 25884), (123, 25917),

Gene: Mulciber_30 Start: 23067, Stop: 23390, Start Num: 38

Candidate Starts for Mulciber_30:

(Start: 38 @23067 has 27 MA's), (43, 23076), (84, 23136), (88, 23148), (104, 23190), (116, 23247),

Gene: Munch_30 Start: 23073, Stop: 23396, Start Num: 38

Candidate Starts for Munch_30:

(Start: 38 @23073 has 27 MA's), (43, 23082), (84, 23142), (88, 23154), (104, 23196), (116, 23253),

Gene: Mutaforma13_33 Start: 29022, Stop: 29396, Start Num: 28

Candidate Starts for Mutaforma13_33:

(Start: 28 @29022 has 267 MA's), (Start: 29 @29025 has 19 MA's), (Start: 32 @29037 has 42 MA's),
(Start: 35 @29049 has 20 MA's), (109, 29256), (123, 29289), (138, 29331),

Gene: Mwanjiwa_34 Start: 28924, Stop: 29271, Start Num: 35

Candidate Starts for Mwanjiwa_34:

(Start: 28 @28897 has 267 MA's), (Start: 29 @28900 has 19 MA's), (Start: 32 @28912 has 42 MA's),
(Start: 35 @28924 has 20 MA's), (109, 29131), (123, 29164), (138, 29206),

Gene: MyraDee_28 Start: 20416, Stop: 20760, Start Num: 35

Candidate Starts for MyraDee_28:

(Start: 35 @20416 has 20 MA's), (92, 20533), (139, 20689),

Gene: Myxus_32 Start: 24008, Stop: 24376, Start Num: 40

Candidate Starts for Myxus_32:

(25, 23948), (Start: 40 @24008 has 26 MA's), (65, 24044), (72, 24050), (81, 24071), (88, 24089), (93,
24098), (113, 24197), (116, 24209), (120, 24230), (123, 24239),

Gene: NaSiaTalie_30 Start: 22443, Stop: 22772, Start Num: 42

Candidate Starts for NaSiaTalie_30:

(20, 22284), (Start: 42 @22443 has 26 MA's), (Start: 64 @22470 has 10 MA's), (67, 22476), (91,
22530), (102, 22575), (145, 22743),

Gene: Naca_27 Start: 22111, Stop: 22401, Start Num: 64

Candidate Starts for Naca_27:

(Start: 24 @21991 has 2 MA's), (Start: 51 @22081 has 38 MA's), (Start: 64 @22111 has 10 MA's), (67,
22117), (109, 22243), (122, 22273), (123, 22276), (131, 22297), (139, 22330), (152, 22393),

Gene: NearlyHeadless_27 Start: 21248, Stop: 21529, Start Num: 51

Candidate Starts for NearlyHeadless_27:

(Start: 51 @21248 has 38 MA's), (Start: 64 @21275 has 10 MA's), (67, 21281), (Start: 78 @21305 has
1 MA's), (93, 21335), (142, 21482), (144, 21497), (148, 21509), (151, 21518),

Gene: Nebkiss_37 Start: 31571, Stop: 31879, Start Num: 33

Candidate Starts for Nebkiss_37:

(Start: 33 @31571 has 2 MA's), (48, 31619), (Start: 51 @31625 has 38 MA's), (57, 31637), (82, 31682),
(106, 31766), (110, 31787), (123, 31820),

Gene: Nebulosus_32 Start: 21405, Stop: 21746, Start Num: 39

Candidate Starts for Nebulosus_32:

(Start: 39 @21405 has 116 MA's), (Start: 78 @21471 has 1 MA's), (84, 21483), (142, 21693), (150,
21729), (153, 21735),

Gene: Necropolis_29 Start: 25482, Stop: 25841, Start Num: 28

Candidate Starts for Necropolis_29:

(Start: 28 @25482 has 267 MA's), (62, 25569), (109, 25707), (123, 25740),

Gene: Nedarya_31 Start: 22021, Stop: 22362, Start Num: 39

Candidate Starts for Nedarya_31:

(Start: 39 @22021 has 116 MA's), (67, 22063), (Start: 78 @22087 has 1 MA's), (89, 22114), (95, 22132), (139, 22285), (150, 22345), (153, 22351),

Gene: Neeharika16_33 Start: 22206, Stop: 22502, Start Num: 39

Candidate Starts for Neeharika16_33:

(Start: 39 @22206 has 116 MA's), (74, 22260), (109, 22359), (125, 22404),

Gene: Neighly_33 Start: 28247, Stop: 28561, Start Num: 58

Candidate Starts for Neighly_33:

(Start: 52 @28232 has 40 MA's), (Start: 58 @28247 has 1 MA's), (Start: 78 @28292 has 1 MA's), (87, 28313), (89, 28319), (113, 28397), (121, 28412), (131, 28439), (138, 28460),

Gene: Nekros_49 Start: 42641, Stop: 43027, Start Num: 32

Candidate Starts for Nekros_49:

(Start: 32 @42641 has 42 MA's), (44, 42680), (49, 42695), (Start: 55 @42704 has 1 MA's), (109, 42851), (114, 42875), (123, 42893), (128, 42923), (130, 42935),

Gene: Nенаe_27 Start: 23790, Stop: 24299, Start Num: 26

Candidate Starts for Nенаe_27:

(1, 23220), (Start: 26 @23790 has 12 MA's), (74, 23916), (83, 23934), (105, 24009), (109, 24036), (113, 24057), (127, 24120), (135, 24189),

Gene: NewHope4_37 Start: 29578, Stop: 29952, Start Num: 28

Candidate Starts for NewHope4_37:

(Start: 28 @29578 has 267 MA's), (Start: 32 @29593 has 42 MA's), (Start: 35 @29605 has 20 MA's), (109, 29812), (123, 29845),

Gene: Newrala_33 Start: 22206, Stop: 22502, Start Num: 39

Candidate Starts for Newrala_33:

(Start: 39 @22206 has 116 MA's), (74, 22260), (109, 22359), (125, 22404),

Gene: Nibley_45 Start: 38663, Stop: 39037, Start Num: 32

Candidate Starts for Nibley_45:

(Start: 32 @38663 has 42 MA's), (44, 38702), (49, 38717), (Start: 55 @38726 has 1 MA's), (109, 38873), (114, 38897), (123, 38915), (128, 38945), (130, 38957),

Gene: Nichirin_34 Start: 29002, Stop: 29376, Start Num: 28

Candidate Starts for Nichirin_34:

(Start: 28 @29002 has 267 MA's), (Start: 29 @29005 has 19 MA's), (Start: 32 @29017 has 42 MA's), (Start: 35 @29029 has 20 MA's), (109, 29236), (123, 29269), (138, 29311),

Gene: NicoleTera_34 Start: 24306, Stop: 24629, Start Num: 42

Candidate Starts for NicoleTera_34:

(20, 24147), (Start: 42 @24306 has 26 MA's), (Start: 64 @24333 has 10 MA's), (67, 24339), (74, 24354), (87, 24384), (100, 24429), (145, 24606),

Gene: NihilNomen_50 Start: 43826, Stop: 44221, Start Num: 32

Candidate Starts for NihilNomen_50:

(Start: 32 @43826 has 42 MA's), (45, 43868), (49, 43880), (99, 43991), (109, 44036), (123, 44078), (129, 44111), (130, 44120), (132, 44132),

Gene: Niklas_33 Start: 27086, Stop: 27448, Start Num: 52

Candidate Starts for Niklas_33:

(Start: 52 @27086 has 40 MA's), (102, 27212), (119, 27290), (131, 27332), (137, 27344), (138, 27353), (139, 27365),

Gene: Nimbo_33 Start: 28770, Stop: 29144, Start Num: 28

Candidate Starts for Nimbo_33:

(Start: 28 @28770 has 267 MA's), (Start: 32 @28785 has 42 MA's), (Start: 35 @28797 has 20 MA's), (109, 29004), (123, 29037), (138, 29079),

Gene: Nitzel_34 Start: 29486, Stop: 29860, Start Num: 28

Candidate Starts for Nitzel_34:

(Start: 28 @29486 has 267 MA's), (Start: 29 @29489 has 19 MA's), (Start: 32 @29501 has 42 MA's), (Start: 35 @29513 has 20 MA's), (109, 29720), (123, 29753),

Gene: Nivrat_33 Start: 28911, Stop: 29285, Start Num: 28

Candidate Starts for Nivrat_33:

(Start: 28 @28911 has 267 MA's), (Start: 32 @28926 has 42 MA's), (Start: 35 @28938 has 20 MA's), (109, 29145), (122, 29175), (123, 29178), (138, 29220),

Gene: Noella_31 Start: 23060, Stop: 23362, Start Num: 53

Candidate Starts for Noella_31:

(Start: 35 @23015 has 20 MA's), (Start: 53 @23060 has 113 MA's), (66, 23090), (72, 23099), (89, 23141), (97, 23168),

Gene: Norbert_30 Start: 23059, Stop: 23361, Start Num: 53

Candidate Starts for Norbert_30:

(Start: 35 @23014 has 20 MA's), (Start: 53 @23059 has 113 MA's), (66, 23089), (72, 23098), (89, 23140), (97, 23167),

Gene: NormanBulbieJr_33 Start: 28926, Stop: 29300, Start Num: 28

Candidate Starts for NormanBulbieJr_33:

(Start: 28 @28926 has 267 MA's), (Start: 32 @28941 has 42 MA's), (Start: 35 @28953 has 20 MA's), (109, 29160), (122, 29190), (123, 29193), (138, 29235),

Gene: NothingSpecial_32 Start: 24442, Stop: 24783, Start Num: 35

Candidate Starts for NothingSpecial_32:

(17, 24283), (Start: 35 @24442 has 20 MA's), (147, 24760),

Gene: Ochi17_31 Start: 28425, Stop: 28799, Start Num: 28

Candidate Starts for Ochi17_31:

(Start: 28 @28425 has 267 MA's), (Start: 29 @28428 has 19 MA's), (Start: 32 @28440 has 42 MA's), (Start: 35 @28452 has 20 MA's), (109, 28659), (122, 28689), (123, 28692), (138, 28734),

Gene: Odette_51 Start: 43068, Stop: 43442, Start Num: 32

Candidate Starts for Odette_51:

(Start: 32 @43068 has 42 MA's), (45, 43110), (49, 43122), (99, 43233), (109, 43278), (123, 43320), (129, 43353), (130, 43362), (132, 43374),

Gene: Odin_29 Start: 21218, Stop: 21526, Start Num: 39

Candidate Starts for Odin_29:

(20, 21059), (Start: 27 @21167 has 34 MA's), (Start: 39 @21218 has 116 MA's), (56, 21242), (Start: 78 @21296 has 1 MA's), (79, 21299), (93, 21329), (133, 21440),

Gene: OfUltron_33 Start: 28977, Stop: 29348, Start Num: 29

Candidate Starts for OfUltron_33:

(Start: 28 @28974 has 267 MA's), (Start: 29 @28977 has 19 MA's), (Start: 32 @28989 has 42 MA's), (Start: 35 @29001 has 20 MA's), (109, 29208), (122, 29238), (123, 29241), (138, 29283),

Gene: Ogopogo_33 Start: 28118, Stop: 28492, Start Num: 28

Candidate Starts for Ogopogo_33:

(Start: 28 @28118 has 267 MA's), (Start: 29 @28121 has 19 MA's), (Start: 32 @28133 has 42 MA's), (Start: 35 @28145 has 20 MA's), (59, 28205), (109, 28352), (122, 28382), (123, 28385), (138, 28427),

Gene: Okabe_34 Start: 25812, Stop: 26186, Start Num: 28

Candidate Starts for Okabe_34:

(Start: 28 @25812 has 267 MA's), (30, 25818), (Start: 32 @25827 has 42 MA's), (Start: 35 @25839 has 20 MA's), (59, 25899), (109, 26046), (123, 26079), (138, 26121),

Gene: OkiRoe_32 Start: 28365, Stop: 28691, Start Num: 52

Candidate Starts for OkiRoe_32:

(Start: 52 @28365 has 40 MA's), (Start: 58 @28380 has 1 MA's), (Start: 78 @28425 has 1 MA's), (89, 28452), (93, 28458), (131, 28572),

Gene: Oksu_34 Start: 28818, Stop: 29192, Start Num: 28

Candidate Starts for Oksu_34:

(Start: 28 @28818 has 267 MA's), (Start: 29 @28821 has 19 MA's), (Start: 32 @28833 has 42 MA's), (Start: 35 @28845 has 20 MA's), (109, 29052), (122, 29082), (123, 29085), (138, 29127),

Gene: OlanP_32 Start: 23227, Stop: 23529, Start Num: 53

Candidate Starts for OlanP_32:

(Start: 35 @23182 has 20 MA's), (Start: 53 @23227 has 113 MA's), (97, 23335),

Gene: OldBen_33 Start: 28801, Stop: 29175, Start Num: 28

Candidate Starts for OldBen_33:

(Start: 28 @28801 has 267 MA's), (Start: 32 @28816 has 42 MA's), (Start: 35 @28828 has 20 MA's), (109, 29035), (123, 29068), (138, 29110),

Gene: Ollie_32 Start: 22833, Stop: 23135, Start Num: 53

Candidate Starts for Ollie_32:

(34, 22785), (Start: 35 @22788 has 20 MA's), (Start: 53 @22833 has 113 MA's), (66, 22863), (72, 22872),

Gene: OlympiaSaint_33 Start: 29215, Stop: 29589, Start Num: 28

Candidate Starts for OlympiaSaint_33:

(Start: 28 @29215 has 267 MA's), (Start: 29 @29218 has 19 MA's), (Start: 32 @29230 has 42 MA's), (Start: 35 @29242 has 20 MA's), (109, 29449), (123, 29482), (138, 29524),

Gene: Omega_55 Start: 44873, Stop: 45259, Start Num: 32

Candidate Starts for Omega_55:

(Start: 32 @44873 has 42 MA's), (44, 44912), (49, 44927), (Start: 55 @44936 has 1 MA's), (109, 45083), (114, 45107), (123, 45125), (128, 45155), (130, 45167),

Gene: Omnicron_33 Start: 27250, Stop: 27609, Start Num: 52

Candidate Starts for Omnicron_33:

(Start: 52 @27250 has 40 MA's), (Start: 58 @27265 has 1 MA's), (Start: 78 @27310 has 1 MA's), (79, 27313), (89, 27337), (102, 27379), (121, 27451), (131, 27478), (138, 27499),

Gene: Onglai_31 Start: 22342, Stop: 22710, Start Num: 40

Candidate Starts for Onglai_31:

(25, 22282), (Start: 40 @22342 has 26 MA's), (65, 22378), (72, 22384), (81, 22405), (88, 22423), (93, 22432), (113, 22531), (116, 22543), (120, 22564), (123, 22573), (131, 22594),

Gene: Oofda_32 Start: 21379, Stop: 21720, Start Num: 39

Candidate Starts for Oofda_32:

(Start: 39 @21379 has 116 MA's), (Start: 78 @21445 has 1 MA's), (84, 21457), (142, 21667), (150, 21703), (153, 21709),

Gene: Optimus_56 Start: 44741, Stop: 45136, Start Num: 32

Candidate Starts for Optimus_56:

(Start: 32 @44741 has 42 MA's), (45, 44783), (49, 44795), (99, 44906), (109, 44951), (123, 44993), (129, 45026), (130, 45035), (132, 45047),

Gene: Orange_30 Start: 23073, Stop: 23396, Start Num: 38

Candidate Starts for Orange_30:

(Start: 38 @23073 has 27 MA's), (43, 23082), (84, 23142), (88, 23154), (104, 23196), (116, 23253),

Gene: Ovechkin_34 Start: 29774, Stop: 30148, Start Num: 28

Candidate Starts for Ovechkin_34:

(Start: 28 @29774 has 267 MA's), (Start: 29 @29777 has 19 MA's), (Start: 32 @29789 has 42 MA's), (Start: 35 @29801 has 20 MA's), (59, 29861), (109, 30008), (123, 30041), (138, 30083),

Gene: OwlsT2W_34 Start: 29190, Stop: 29564, Start Num: 28

Candidate Starts for OwlsT2W_34:

(Start: 28 @29190 has 267 MA's), (Start: 32 @29205 has 42 MA's), (Start: 35 @29217 has 20 MA's), (109, 29424), (123, 29457),

Gene: P28Green_32 Start: 22964, Stop: 23266, Start Num: 53

Candidate Starts for P28Green_32:

(34, 22916), (Start: 35 @22919 has 20 MA's), (Start: 53 @22964 has 113 MA's), (66, 22994),

Gene: PGHhamlin_34 Start: 22955, Stop: 23257, Start Num: 53

Candidate Starts for PGHhamlin_34:

(34, 22907), (Start: 35 @22910 has 20 MA's), (Start: 53 @22955 has 113 MA's), (66, 22985),

Gene: PHappiness_33 Start: 28743, Stop: 29117, Start Num: 28

Candidate Starts for PHappiness_33:

(Start: 28 @28743 has 267 MA's), (Start: 32 @28758 has 42 MA's), (Start: 35 @28770 has 20 MA's), (109, 28977), (123, 29010), (138, 29052),

Gene: PMC_33 Start: 28744, Stop: 29118, Start Num: 28

Candidate Starts for PMC_33:

(Start: 28 @28744 has 267 MA's), (Start: 29 @28747 has 19 MA's), (Start: 32 @28759 has 42 MA's), (Start: 35 @28771 has 20 MA's), (109, 28978), (123, 29011), (138, 29053),

Gene: PP_39 Start: 28078, Stop: 28395, Start Num: 42

Candidate Starts for PP_39:

(20, 27919), (Start: 42 @28078 has 26 MA's), (Start: 64 @28105 has 10 MA's), (67, 28111), (72, 28120), (75, 28129), (100, 28201), (104, 28222), (123, 28279),

Gene: Pacc40_33 Start: 28935, Stop: 29309, Start Num: 28

Candidate Starts for Pacc40_33:

(Start: 28 @28935 has 267 MA's), (Start: 29 @28938 has 19 MA's), (Start: 32 @28950 has 42 MA's), (Start: 35 @28962 has 20 MA's), (109, 29169), (123, 29202), (138, 29244),

Gene: PackMan_32 Start: 24008, Stop: 24376, Start Num: 40

Candidate Starts for PackMan_32:

(25, 23948), (Start: 40 @24008 has 26 MA's), (65, 24044), (72, 24050), (81, 24071), (88, 24089), (93, 24098), (113, 24197), (116, 24209), (120, 24230), (123, 24239),

Gene: PaintedDog_32 Start: 27272, Stop: 27640, Start Num: 29

Candidate Starts for PaintedDog_32:

(Start: 28 @27269 has 267 MA's), (Start: 29 @27272 has 19 MA's), (104, 27470), (105, 27473), (123, 27527),

Gene: PainterBoy_31 Start: 23126, Stop: 23401, Start Num: 39

Candidate Starts for PainterBoy_31:

(Start: 39 @23126 has 116 MA's), (67, 23168), (74, 23180), (79, 23192), (93, 23222), (104, 23255), (109, 23279),

Gene: Panamaxus_30 Start: 23059, Stop: 23361, Start Num: 53

Candidate Starts for Panamaxus_30:

(Start: 35 @23014 has 20 MA's), (Start: 53 @23059 has 113 MA's), (66, 23089), (72, 23098), (89, 23140), (97, 23167),

Gene: Panchino_27 Start: 23750, Stop: 24223, Start Num: 26

Candidate Starts for Panchino_27:

(1, 23186), (6, 23345), (8, 23372), (Start: 26 @23750 has 12 MA's), (74, 23876), (109, 23996), (113, 24017), (127, 24080), (134, 24122),

Gene: Paola_32 Start: 28364, Stop: 28699, Start Num: 52

Candidate Starts for Paola_32:

(Start: 52 @28364 has 40 MA's), (Start: 58 @28379 has 1 MA's), (Start: 78 @28424 has 1 MA's), (89, 28451), (93, 28457), (131, 28571), (138, 28592),

Gene: Parmesanjohn_30 Start: 24740, Stop: 25120, Start Num: 27

Candidate Starts for Parmesanjohn_30:

(Start: 27 @24740 has 34 MA's), (105, 24950), (109, 24971),

Gene: PatoPoderoso_33 Start: 28960, Stop: 29334, Start Num: 28

Candidate Starts for PatoPoderoso_33:

(Start: 28 @28960 has 267 MA's), (Start: 32 @28975 has 42 MA's), (Start: 35 @28987 has 20 MA's), (109, 29194), (123, 29227),

Gene: Pawn_32 Start: 23047, Stop: 23349, Start Num: 53

Candidate Starts for Pawn_32:

(Start: 35 @23002 has 20 MA's), (Start: 53 @23047 has 113 MA's), (97, 23155),

Gene: Peanam_33 Start: 27083, Stop: 27445, Start Num: 52

Candidate Starts for Peanam_33:

(Start: 52 @27083 has 40 MA's), (102, 27209), (119, 27287), (131, 27329), (137, 27341), (138, 27350), (139, 27362),

Gene: PeanutPie_29 Start: 25483, Stop: 25842, Start Num: 28

Candidate Starts for PeanutPie_29:

(16, 25339), (Start: 28 @25483 has 267 MA's), (109, 25708), (123, 25741),

Gene: Pembroke_32 Start: 22964, Stop: 23266, Start Num: 53

Candidate Starts for Pembroke_32:

(34, 22916), (Start: 35 @22919 has 20 MA's), (Start: 53 @22964 has 113 MA's), (66, 22994),

Gene: Penny1_32 Start: 22963, Stop: 23265, Start Num: 53

Candidate Starts for Penny1_32:

(34, 22915), (Start: 35 @22918 has 20 MA's), (Start: 53 @22963 has 113 MA's), (66, 22993),

Gene: Peridot_38 Start: 30263, Stop: 30637, Start Num: 28

Candidate Starts for Peridot_38:

(Start: 28 @30263 has 267 MA's), (Start: 29 @30266 has 19 MA's), (Start: 32 @30278 has 42 MA's), (Start: 35 @30290 has 20 MA's), (109, 30497), (123, 30530),

Gene: Petersenfast_29 Start: 23070, Stop: 23393, Start Num: 38

Candidate Starts for Petersenfast_29:

(Start: 38 @23070 has 27 MA's), (43, 23079), (84, 23139), (88, 23151), (104, 23193), (116, 23250),

Gene: PetterN_28 Start: 21515, Stop: 21835, Start Num: 51

Candidate Starts for PetterN_28:

(Start: 24 @21425 has 2 MA's), (Start: 51 @21515 has 38 MA's), (Start: 64 @21545 has 10 MA's), (67, 21551), (109, 21677), (123, 21710), (131, 21731), (139, 21764), (144, 21803), (152, 21827),

Gene: Ph8s_31 Start: 21176, Stop: 21445, Start Num: 39

Candidate Starts for Ph8s_31:

(Start: 39 @21176 has 116 MA's), (69, 21215), (72, 21221), (88, 21257),

Gene: Phaeder_32 Start: 24008, Stop: 24376, Start Num: 40

Candidate Starts for Phaeder_32:

(25, 23948), (Start: 40 @24008 has 26 MA's), (65, 24044), (72, 24050), (81, 24071), (88, 24089), (93, 24098), (113, 24197), (116, 24209), (120, 24230), (123, 24239),

Gene: Phalconet_33 Start: 28872, Stop: 29246, Start Num: 28

Candidate Starts for Phalconet_33:

(Start: 28 @28872 has 267 MA's), (Start: 32 @28887 has 42 MA's), (Start: 35 @28899 has 20 MA's), (109, 29106), (123, 29139),

Gene: Phalm_29 Start: 25744, Stop: 26103, Start Num: 28

Candidate Starts for Phalm_29:

(Start: 28 @25744 has 267 MA's), (62, 25831), (109, 25969), (123, 26002),

Gene: PhancyPhin_27 Start: 23787, Stop: 24296, Start Num: 26

Candidate Starts for PhancyPhin_27:

(1, 23217), (Start: 26 @23787 has 12 MA's), (74, 23913), (83, 23931), (105, 24006), (109, 24033), (113, 24054), (127, 24117), (135, 24186),

Gene: Phanphagia_30 Start: 27895, Stop: 28269, Start Num: 28

Candidate Starts for Phanphagia_30:

(Start: 28 @27895 has 267 MA's), (Start: 32 @27910 has 42 MA's), (Start: 35 @27922 has 20 MA's), (109, 28129), (123, 28162),

Gene: Phantastic_30 Start: 22482, Stop: 22784, Start Num: 53

Candidate Starts for Phantastic_30:

(Start: 35 @22446 has 20 MA's), (Start: 53 @22482 has 113 MA's), (72, 22521), (97, 22590),

Gene: Pharaoh_30 Start: 23508, Stop: 23873, Start Num: 35

Candidate Starts for Pharaoh_30:

(Start: 35 @23508 has 20 MA's), (46, 23544), (Start: 54 @23559 has 1 MA's), (Start: 78 @23598 has 1 MA's), (102, 23658), (111, 23706), (138, 23769),

Gene: Phasih_34 Start: 29321, Stop: 29695, Start Num: 28

Candidate Starts for Phasih_34:

(Start: 28 @29321 has 267 MA's), (30, 29327), (Start: 32 @29336 has 42 MA's), (Start: 35 @29348 has 20 MA's), (109, 29555), (123, 29588), (138, 29630),

Gene: Phatniss_34 Start: 29261, Stop: 29635, Start Num: 28

Candidate Starts for Phatniss_34:

(Start: 28 @29261 has 267 MA's), (Start: 29 @29264 has 19 MA's), (Start: 32 @29276 has 42 MA's), (Start: 35 @29288 has 20 MA's), (109, 29495), (123, 29528), (138, 29570),

Gene: Phegasus_29 Start: 25491, Stop: 25850, Start Num: 28

Candidate Starts for Phegasus_29:

(Start: 28 @25491 has 267 MA's), (62, 25578), (109, 25716), (123, 25749),

Gene: PhelpsODU_33 Start: 27114, Stop: 27476, Start Num: 52

Candidate Starts for PhelpsODU_33:

(Start: 52 @27114 has 40 MA's), (87, 27192), (99, 27231), (102, 27240), (119, 27318), (131, 27360), (137, 27372), (138, 27381), (143, 27426),

Gene: PhesterPhotato_33 Start: 28792, Stop: 29166, Start Num: 28

Candidate Starts for PhesterPhotato_33:

(2, 28270), (3, 28273), (4, 28309), (Start: 28 @28792 has 267 MA's), (Start: 32 @28807 has 42 MA's), (Start: 35 @28819 has 20 MA's), (109, 29026), (123, 29059),

Gene: Philonius_30 Start: 24731, Stop: 25099, Start Num: 27

Candidate Starts for Philonius_30:

(Start: 27 @24731 has 34 MA's), (105, 24929), (109, 24950),

Gene: Philus_33 Start: 28838, Stop: 29212, Start Num: 28

Candidate Starts for Philus_33:

(Start: 28 @28838 has 267 MA's), (Start: 29 @28841 has 19 MA's), (Start: 32 @28853 has 42 MA's), (Start: 35 @28865 has 20 MA's), (109, 29072), (123, 29105), (138, 29147),

Gene: Phineas_29 Start: 25856, Stop: 26215, Start Num: 28

Candidate Starts for Phineas_29:

(Start: 28 @25856 has 267 MA's), (62, 25943), (109, 26081), (123, 26114),

Gene: PhishRPhriends_31 Start: 22231, Stop: 22533, Start Num: 53

Candidate Starts for PhishRPhriends_31:

(Start: 35 @22186 has 20 MA's), (Start: 53 @22231 has 113 MA's), (97, 22339),

Gene: Phlei_25 Start: 24001, Stop: 24303, Start Num: 46

Candidate Starts for Phlei_25:

(46, 24001), (76, 24055), (88, 24082),

Gene: PhlipPhlop_34 Start: 30379, Stop: 30750, Start Num: 29

Candidate Starts for PhlipPhlop_34:

(Start: 28 @30376 has 267 MA's), (Start: 29 @30379 has 19 MA's), (Start: 32 @30391 has 42 MA's),
(Start: 35 @30403 has 20 MA's), (109, 30610), (123, 30643), (138, 30685),

Gene: Phlorence_27 Start: 22333, Stop: 22653, Start Num: 51

Candidate Starts for Phlorence_27:

(Start: 24 @22243 has 2 MA's), (Start: 51 @22333 has 38 MA's), (Start: 64 @22363 has 10 MA's), (67,
22369), (93, 22423), (109, 22495), (122, 22525), (123, 22528), (131, 22549), (139, 22582), (147,
22630), (152, 22645),

Gene: Phloss_27 Start: 24167, Stop: 24547, Start Num: 27

Candidate Starts for Phloss_27:

(Start: 27 @24167 has 34 MA's), (105, 24377), (109, 24398),

Gene: Phoebe_32 Start: 22961, Stop: 23263, Start Num: 53

Candidate Starts for Phoebe_32:

(34, 22913), (Start: 35 @22916 has 20 MA's), (Start: 53 @22961 has 113 MA's), (66, 22991),

Gene: Phoebus_50 Start: 44027, Stop: 44422, Start Num: 32

Candidate Starts for Phoebus_50:

(Start: 32 @44027 has 42 MA's), (45, 44069), (49, 44081), (99, 44192), (109, 44237), (123, 44279),
(129, 44312), (130, 44321), (132, 44333),

Gene: Phonnegut_32 Start: 24041, Stop: 24409, Start Num: 40

Candidate Starts for Phonnegut_32:

(25, 23981), (Start: 40 @24041 has 26 MA's), (65, 24077), (72, 24083), (81, 24104), (88, 24122), (93,
24131), (113, 24230), (116, 24242), (120, 24263), (123, 24272),

Gene: Phoxy_32 Start: 23047, Stop: 23349, Start Num: 53

Candidate Starts for Phoxy_32:

(34, 22999), (Start: 35 @23002 has 20 MA's), (Start: 53 @23047 has 113 MA's), (66, 23077),

Gene: Phrank_33 Start: 27064, Stop: 27426, Start Num: 52

Candidate Starts for Phrank_33:

(Start: 52 @27064 has 40 MA's), (87, 27142), (99, 27181), (102, 27190), (119, 27268), (131, 27310),
(138, 27331), (143, 27376),

Gene: Phrann_28 Start: 24634, Stop: 24999, Start Num: 28

Candidate Starts for Phrann_28:

(Start: 28 @24634 has 267 MA's), (Start: 29 @24637 has 19 MA's), (80, 24757), (104, 24835), (105,
24838),

Gene: Phranny_33 Start: 23039, Stop: 23341, Start Num: 53

Candidate Starts for Phranny_33:

(Start: 35 @22994 has 20 MA's), (Start: 53 @23039 has 113 MA's), (97, 23147),

Gene: PickleBack_27 Start: 22047, Stop: 22367, Start Num: 51

Candidate Starts for PickleBack_27:

(Start: 24 @21957 has 2 MA's), (Start: 51 @22047 has 38 MA's), (Start: 64 @22077 has 10 MA's), (67, 22083), (93, 22137), (109, 22209), (122, 22239), (123, 22242), (131, 22263), (139, 22296), (147, 22344), (152, 22359),

Gene: Pioneer_32 Start: 24041, Stop: 24409, Start Num: 40

Candidate Starts for Pioneer_32:

(25, 23981), (Start: 40 @24041 has 26 MA's), (65, 24077), (72, 24083), (81, 24104), (88, 24122), (93, 24131), (113, 24230), (116, 24242), (120, 24263), (123, 24272),

Gene: Piper2020_35 Start: 29364, Stop: 29738, Start Num: 28

Candidate Starts for Piper2020_35:

(Start: 28 @29364 has 267 MA's), (30, 29370), (Start: 32 @29379 has 42 MA's), (Start: 35 @29391 has 20 MA's), (109, 29598), (123, 29631), (139, 29685),

Gene: Pippy_27 Start: 24902, Stop: 25276, Start Num: 28

Candidate Starts for Pippy_27:

(Start: 28 @24902 has 267 MA's), (Start: 32 @24917 has 42 MA's), (Start: 35 @24929 has 20 MA's), (109, 25136), (122, 25166), (123, 25169), (138, 25211),

Gene: Pipsqueaks_30 Start: 24740, Stop: 25120, Start Num: 27

Candidate Starts for Pipsqueaks_30:

(Start: 27 @24740 has 34 MA's), (105, 24950), (109, 24971),

Gene: Piro94_31 Start: 22904, Stop: 23233, Start Num: 42

Candidate Starts for Piro94_31:

(20, 22745), (Start: 42 @22904 has 26 MA's), (Start: 64 @22931 has 10 MA's), (67, 22937), (91, 22991), (102, 23036), (145, 23204),

Gene: Pistachio_31 Start: 22071, Stop: 22373, Start Num: 53

Candidate Starts for Pistachio_31:

(23, 21969), (Start: 35 @22026 has 20 MA's), (Start: 53 @22071 has 113 MA's), (66, 22101), (72, 22110),

Gene: Plumbus_35 Start: 28841, Stop: 29215, Start Num: 28

Candidate Starts for Plumbus_35:

(Start: 28 @28841 has 267 MA's), (Start: 32 @28856 has 42 MA's), (Start: 35 @28868 has 20 MA's), (109, 29075), (123, 29108),

Gene: Pmask_33 Start: 22207, Stop: 22503, Start Num: 39

Candidate Starts for Pmask_33:

(Start: 39 @22207 has 116 MA's), (74, 22261), (109, 22360), (125, 22405),

Gene: Pocahontas_31 Start: 23056, Stop: 23358, Start Num: 53

Candidate Starts for Pocahontas_31:

(Start: 35 @23011 has 20 MA's), (Start: 53 @23056 has 113 MA's), (66, 23086), (72, 23095), (89, 23137), (97, 23164),

Gene: Poenanya_33 Start: 28884, Stop: 29258, Start Num: 28

Candidate Starts for Poenanya_33:

(Start: 28 @28884 has 267 MA's), (30, 28890), (Start: 32 @28899 has 42 MA's), (Start: 35 @28911 has 20 MA's), (109, 29118), (123, 29151),

Gene: Polka14_34 Start: 29387, Stop: 29761, Start Num: 28
Candidate Starts for Polka14_34:
(Start: 28 @29387 has 267 MA's), (30, 29393), (Start: 32 @29402 has 42 MA's), (Start: 35 @29414 has 20 MA's), (109, 29621), (123, 29654), (138, 29696),

Gene: Polkaroo_29 Start: 25501, Stop: 25860, Start Num: 28
Candidate Starts for Polkaroo_29:
(Start: 28 @25501 has 267 MA's), (62, 25588), (109, 25726), (123, 25759),

Gene: Pollywog_33 Start: 29096, Stop: 29470, Start Num: 28
Candidate Starts for Pollywog_33:
(19, 28976), (Start: 28 @29096 has 267 MA's), (Start: 29 @29099 has 19 MA's), (Start: 32 @29111 has 42 MA's), (Start: 35 @29123 has 20 MA's), (109, 29330), (123, 29363),

Gene: Polo2Bam_38 Start: 28943, Stop: 29317, Start Num: 28
Candidate Starts for Polo2Bam_38:
(Start: 28 @28943 has 267 MA's), (Start: 29 @28946 has 19 MA's), (Start: 32 @28958 has 42 MA's), (Start: 35 @28970 has 20 MA's), (59, 29030), (109, 29177), (123, 29210),

Gene: Polyphemus_33 Start: 22205, Stop: 22501, Start Num: 39
Candidate Starts for Polyphemus_33:
(Start: 39 @22205 has 116 MA's), (74, 22259), (109, 22358), (125, 22403),

Gene: PopTart_33 Start: 29077, Stop: 29451, Start Num: 28
Candidate Starts for PopTart_33:
(Start: 28 @29077 has 267 MA's), (Start: 32 @29092 has 42 MA's), (Start: 35 @29104 has 20 MA's), (109, 29311), (123, 29344),

Gene: Popcicle_31 Start: 23056, Stop: 23358, Start Num: 53
Candidate Starts for Popcicle_31:
(Start: 35 @23011 has 20 MA's), (Start: 53 @23056 has 113 MA's), (66, 23086), (72, 23095), (89, 23137), (97, 23164),

Gene: Porcelain_49 Start: 40234, Stop: 40620, Start Num: 32
Candidate Starts for Porcelain_49:
(Start: 32 @40234 has 42 MA's), (44, 40273), (49, 40288), (Start: 55 @40297 has 1 MA's), (109, 40444), (114, 40468), (123, 40486), (128, 40516), (130, 40528),

Gene: PotatoSplit_33 Start: 22963, Stop: 23265, Start Num: 53
Candidate Starts for PotatoSplit_33:
(34, 22915), (Start: 35 @22918 has 20 MA's), (Start: 53 @22963 has 113 MA's), (66, 22993),

Gene: Pound_53 Start: 45604, Stop: 45999, Start Num: 32
Candidate Starts for Pound_53:
(Start: 32 @45604 has 42 MA's), (45, 45646), (49, 45658), (99, 45769), (109, 45814), (123, 45856), (129, 45889), (130, 45898), (132, 45910),

Gene: Power_30 Start: 22350, Stop: 22691, Start Num: 35
Candidate Starts for Power_30:
(Start: 35 @22350 has 20 MA's), (69, 22431), (Start: 78 @22440 has 1 MA's), (122, 22566), (147, 22668),

Gene: Priamo_33 Start: 22256, Stop: 22552, Start Num: 39

Candidate Starts for Priamo_33:

(Start: 39 @22256 has 116 MA's), (71, 22304), (74, 22310), (109, 22409), (125, 22454),

Gene: Prinashe11_28 Start: 22222, Stop: 22512, Start Num: 64

Candidate Starts for Prinashe11_28:

(Start: 24 @22102 has 2 MA's), (Start: 51 @22192 has 38 MA's), (Start: 64 @22222 has 10 MA's), (67, 22228), (104, 22330), (109, 22354), (113, 22375), (123, 22387), (131, 22408), (139, 22441), (147, 22489), (152, 22504),

Gene: Priscilla_33 Start: 29024, Stop: 29398, Start Num: 28

Candidate Starts for Priscilla_33:

(Start: 28 @29024 has 267 MA's), (Start: 32 @29039 has 42 MA's), (Start: 35 @29051 has 20 MA's), (109, 29258), (122, 29288), (123, 29291), (138, 29333),

Gene: Priya_32 Start: 24075, Stop: 24443, Start Num: 40

Candidate Starts for Priya_32:

(25, 24015), (Start: 40 @24075 has 26 MA's), (65, 24111), (72, 24117), (88, 24156), (93, 24165), (113, 24264), (116, 24276), (123, 24306), (125, 24318), (138, 24348),

Gene: Psycho_33 Start: 28363, Stop: 28692, Start Num: 52

Candidate Starts for Psycho_33:

(Start: 52 @28363 has 40 MA's), (Start: 58 @28378 has 1 MA's), (Start: 78 @28423 has 1 MA's), (87, 28444), (89, 28450), (113, 28528), (121, 28543), (131, 28570), (138, 28591),

Gene: Pukovnik_32 Start: 23927, Stop: 24250, Start Num: 42

Candidate Starts for Pukovnik_32:

(20, 23768), (Start: 42 @23927 has 26 MA's), (Start: 64 @23954 has 10 MA's), (67, 23960), (93, 24017), (122, 24125), (123, 24128), (125, 24140), (145, 24227),

Gene: Puppy_31 Start: 22141, Stop: 22443, Start Num: 53

Candidate Starts for Puppy_31:

(23, 22039), (Start: 35 @22096 has 20 MA's), (Start: 53 @22141 has 113 MA's), (66, 22171), (72, 22180),

Gene: Purgamenstris_27 Start: 23790, Stop: 24299, Start Num: 26

Candidate Starts for Purgamenstris_27:

(1, 23220), (Start: 26 @23790 has 12 MA's), (74, 23916), (83, 23934), (105, 24009), (109, 24036), (113, 24057), (127, 24120), (135, 24189),

Gene: Purky_28 Start: 25121, Stop: 25498, Start Num: 27

Candidate Starts for Purky_28:

(Start: 27 @25121 has 34 MA's), (77, 25244), (80, 25250), (138, 25427),

Gene: PurpleHaze_32 Start: 23046, Stop: 23348, Start Num: 53

Candidate Starts for PurpleHaze_32:

(Start: 35 @23001 has 20 MA's), (Start: 53 @23046 has 113 MA's), (97, 23154),

Gene: Pygmy_31 Start: 27324, Stop: 27683, Start Num: 28

Candidate Starts for Pygmy_31:

(Start: 28 @27324 has 267 MA's), (62, 27411), (109, 27549), (123, 27582),

Gene: Qobbit_32 Start: 24038, Stop: 24406, Start Num: 40

Candidate Starts for Qobbit_32:

(25, 23978), (Start: 40 @24038 has 26 MA's), (65, 24074), (72, 24080), (88, 24119), (93, 24128), (113, 24227), (116, 24239), (123, 24269), (125, 24281), (138, 24311),

Gene: QueenB2_30 Start: 22468, Stop: 22755, Start Num: 63

Candidate Starts for QueenB2_30:

(22, 22309), (Start: 63 @22468 has 17 MA's), (123, 22633), (131, 22654), (145, 22732),

Gene: QueenBeesly_30 Start: 22350, Stop: 22637, Start Num: 63

Candidate Starts for QueenBeesly_30:

(22, 22191), (Start: 63 @22350 has 17 MA's), (123, 22515), (131, 22536), (145, 22614),

Gene: QueenHazel_28 Start: 25657, Stop: 26001, Start Num: 29

Candidate Starts for QueenHazel_28:

(5, 25192), (9, 25345), (12, 25414), (16, 25510), (Start: 28 @25654 has 267 MA's), (Start: 29 @25657 has 19 MA's), (104, 25840), (105, 25843), (109, 25864), (123, 25897),

Gene: QuickMath_34 Start: 30113, Stop: 30487, Start Num: 28

Candidate Starts for QuickMath_34:

(Start: 28 @30113 has 267 MA's), (Start: 29 @30116 has 19 MA's), (Start: 32 @30128 has 42 MA's), (Start: 35 @30140 has 20 MA's), (59, 30200), (109, 30347), (122, 30377), (123, 30380), (138, 30422),

Gene: Quico_34 Start: 28573, Stop: 28947, Start Num: 28

Candidate Starts for Quico_34:

(Start: 28 @28573 has 267 MA's), (Start: 29 @28576 has 19 MA's), (Start: 32 @28588 has 42 MA's), (Start: 35 @28600 has 20 MA's), (109, 28807), (123, 28840), (138, 28882),

Gene: QuinnKiro_30 Start: 23059, Stop: 23361, Start Num: 53

Candidate Starts for QuinnKiro_30:

(Start: 35 @23014 has 20 MA's), (Start: 53 @23059 has 113 MA's), (66, 23089), (72, 23098), (89, 23140), (97, 23167),

Gene: Quokka_28 Start: 21322, Stop: 21645, Start Num: 42

Candidate Starts for Quokka_28:

(Start: 27 @21274 has 34 MA's), (Start: 42 @21322 has 26 MA's), (Start: 64 @21349 has 10 MA's), (67, 21355), (72, 21364), (101, 21451),

Gene: Rachaly_33 Start: 24066, Stop: 24353, Start Num: 63

Candidate Starts for Rachaly_33:

(22, 23907), (Start: 63 @24066 has 17 MA's), (123, 24231), (131, 24252), (145, 24330),

Gene: Radiance_33 Start: 28937, Stop: 29311, Start Num: 28

Candidate Starts for Radiance_33:

(Start: 28 @28937 has 267 MA's), (Start: 29 @28940 has 19 MA's), (Start: 32 @28952 has 42 MA's), (Start: 35 @28964 has 20 MA's), (109, 29171), (123, 29204), (138, 29246),

Gene: Rahalelujah_29 Start: 21862, Stop: 22227, Start Num: 39

Candidate Starts for Rahalelujah_29:

(Start: 27 @21811 has 34 MA's), (Start: 39 @21862 has 116 MA's), (81, 21925), (84, 21931), (85, 21934), (114, 22054), (120, 22084), (123, 22093), (125, 22105),

Gene: Ramsey_36 Start: 29600, Stop: 29971, Start Num: 29

Candidate Starts for Ramsey_36:

(Start: 28 @29597 has 267 MA's), (Start: 29 @29600 has 19 MA's), (Start: 32 @29612 has 42 MA's), (Start: 35 @29624 has 20 MA's), (59, 29684), (109, 29831), (123, 29864), (138, 29906),

Gene: Ravana_32 Start: 21369, Stop: 21710, Start Num: 39

Candidate Starts for Ravana_32:

(Start: 39 @21369 has 116 MA's), (Start: 78 @21435 has 1 MA's), (84, 21447), (142, 21657), (150, 21693), (153, 21699),

Gene: Raymond7_27 Start: 24117, Stop: 24518, Start Num: 26

Candidate Starts for Raymond7_27:

(1, 23547), (Start: 26 @24117 has 12 MA's), (74, 24243), (109, 24363),

Gene: ReMo_32 Start: 21405, Stop: 21746, Start Num: 39

Candidate Starts for ReMo_32:

(Start: 39 @21405 has 116 MA's), (Start: 78 @21471 has 1 MA's), (84, 21483), (142, 21693), (150, 21729), (153, 21735),

Gene: Rearden_45 Start: 39845, Stop: 40225, Start Num: 32

Candidate Starts for Rearden_45:

(Start: 32 @39845 has 42 MA's), (44, 39884), (49, 39899), (67, 39929), (108, 40052), (109, 40055), (114, 40079), (123, 40097), (128, 40127), (130, 40139),

Gene: Reba_33 Start: 22712, Stop: 23014, Start Num: 53

Candidate Starts for Reba_33:

(Start: 35 @22667 has 20 MA's), (Start: 53 @22712 has 113 MA's), (97, 22820),

Gene: Rebel_27 Start: 23579, Stop: 23959, Start Num: 27

Candidate Starts for Rebel_27:

(Start: 27 @23579 has 34 MA's), (105, 23789), (109, 23810),

Gene: RedBird_33 Start: 28742, Stop: 29116, Start Num: 28

Candidate Starts for RedBird_33:

(Start: 28 @28742 has 267 MA's), (30, 28748), (Start: 32 @28757 has 42 MA's), (Start: 35 @28769 has 20 MA's), (109, 28976), (123, 29009), (138, 29051),

Gene: Redi_27 Start: 23790, Stop: 24299, Start Num: 26

Candidate Starts for Redi_27:

(1, 23220), (Start: 26 @23790 has 12 MA's), (74, 23916), (83, 23934), (105, 24009), (109, 24036), (113, 24057), (127, 24120), (135, 24189),

Gene: Redno2_49 Start: 40812, Stop: 41186, Start Num: 32

Candidate Starts for Redno2_49:

(Start: 32 @40812 has 42 MA's), (44, 40851), (49, 40866), (Start: 55 @40875 has 1 MA's), (109, 41022), (114, 41046), (123, 41064), (128, 41094), (130, 41106),

Gene: Remus_32 Start: 21369, Stop: 21710, Start Num: 39

Candidate Starts for Remus_32:

(Start: 39 @21369 has 116 MA's), (Start: 78 @21435 has 1 MA's), (84, 21447), (142, 21657), (150, 21693), (153, 21699),

Gene: Renaud18_33 Start: 28962, Stop: 29336, Start Num: 28

Candidate Starts for Renaud18_33:

(Start: 28 @28962 has 267 MA's), (Start: 32 @28977 has 42 MA's), (Start: 35 @28989 has 20 MA's), (109, 29196), (123, 29229),

Gene: ResDef_31 Start: 23059, Stop: 23361, Start Num: 53

Candidate Starts for ResDef_31:

(Start: 35 @23014 has 20 MA's), (Start: 53 @23059 has 113 MA's), (66, 23089), (72, 23098), (89, 23140), (97, 23167),

Gene: Retro23_30 Start: 22558, Stop: 22845, Start Num: 63

Candidate Starts for Retro23_30:

(22, 22399), (Start: 63 @22558 has 17 MA's), (123, 22723), (131, 22744), (145, 22822),

Gene: Rialto_37 Start: 31095, Stop: 31469, Start Num: 28

Candidate Starts for Rialto_37:

(Start: 28 @31095 has 267 MA's), (Start: 29 @31098 has 19 MA's), (Start: 32 @31110 has 42 MA's), (Start: 35 @31122 has 20 MA's), (109, 31329), (123, 31362),

Gene: Richo_33 Start: 27083, Stop: 27445, Start Num: 52

Candidate Starts for Richo_33:

(Start: 52 @27083 has 40 MA's), (102, 27209), (119, 27287), (131, 27329), (137, 27341), (138, 27350), (139, 27362),

Gene: Rifter_33 Start: 22199, Stop: 22495, Start Num: 39

Candidate Starts for Rifter_33:

(Start: 27 @22148 has 34 MA's), (Start: 39 @22199 has 116 MA's), (71, 22247), (109, 22352), (125, 22397),

Gene: Rita_34 Start: 29011, Stop: 29385, Start Num: 28

Candidate Starts for Rita_34:

(Start: 28 @29011 has 267 MA's), (30, 29017), (Start: 32 @29026 has 42 MA's), (Start: 35 @29038 has 20 MA's), (109, 29245), (123, 29278),

Gene: RitaG_34 Start: 29207, Stop: 29581, Start Num: 28

Candidate Starts for RitaG_34:

(Start: 28 @29207 has 267 MA's), (Start: 29 @29210 has 19 MA's), (Start: 32 @29222 has 42 MA's), (Start: 35 @29234 has 20 MA's), (59, 29294), (109, 29441), (123, 29474), (138, 29516),

Gene: Roary_27 Start: 21197, Stop: 21478, Start Num: 51

Candidate Starts for Roary_27:

(Start: 51 @21197 has 38 MA's), (Start: 64 @21224 has 10 MA's), (67, 21230), (Start: 78 @21254 has 1 MA's), (93, 21284), (109, 21341), (142, 21431), (144, 21446), (148, 21458), (151, 21467),

Gene: Rockne_33 Start: 28744, Stop: 29118, Start Num: 28

Candidate Starts for Rockne_33:

(Start: 28 @28744 has 267 MA's), (Start: 29 @28747 has 19 MA's), (Start: 32 @28759 has 42 MA's), (Start: 35 @28771 has 20 MA's), (109, 28978), (123, 29011), (138, 29053),

Gene: Rockstar_30 Start: 22455, Stop: 22757, Start Num: 53

Candidate Starts for Rockstar_30:

(23, 22356), (Start: 35 @22413 has 20 MA's), (Start: 53 @22455 has 113 MA's), (97, 22563),

Gene: RockyHorror_34 Start: 28688, Stop: 29062, Start Num: 28

Candidate Starts for RockyHorror_34:

(Start: 28 @28688 has 267 MA's), (30, 28694), (Start: 32 @28703 has 42 MA's), (Start: 35 @28715 has 20 MA's), (109, 28922), (123, 28955),

Gene: Roimos_30 Start: 22494, Stop: 22796, Start Num: 53

Candidate Starts for Roimos_30:

(23, 22395), (Start: 35 @22452 has 20 MA's), (Start: 53 @22494 has 113 MA's), (70, 22530), (97, 22602),

Gene: Roksolana_33 Start: 22227, Stop: 22523, Start Num: 39

Candidate Starts for Roksolana_33:

(Start: 27 @22176 has 34 MA's), (Start: 39 @22227 has 116 MA's), (109, 22380), (125, 22425),

Gene: Rosalind_32 Start: 21527, Stop: 21868, Start Num: 39

Candidate Starts for Rosalind_32:

(Start: 39 @21527 has 116 MA's), (Start: 78 @21593 has 1 MA's), (84, 21605), (142, 21815), (150, 21851), (153, 21857),

Gene: Royals2015_33 Start: 28861, Stop: 29235, Start Num: 28

Candidate Starts for Royals2015_33:

(Start: 28 @28861 has 267 MA's), (Start: 29 @28864 has 19 MA's), (Start: 32 @28876 has 42 MA's), (Start: 35 @28888 has 20 MA's), (109, 29095), (123, 29128), (138, 29170),

Gene: Rubeelu_29 Start: 24134, Stop: 24508, Start Num: 28

Candidate Starts for Rubeelu_29:

(14, 23966), (21, 24044), (Start: 28 @24134 has 267 MA's), (74, 24251),

Gene: Ruby_35 Start: 29802, Stop: 30176, Start Num: 28

Candidate Starts for Ruby_35:

(Start: 28 @29802 has 267 MA's), (Start: 32 @29817 has 42 MA's), (Start: 35 @29829 has 20 MA's), (109, 30036), (123, 30069), (138, 30111),

Gene: Rummer_32 Start: 23047, Stop: 23349, Start Num: 53

Candidate Starts for Rummer_32:

(34, 22999), (Start: 35 @23002 has 20 MA's), (Start: 53 @23047 has 113 MA's), (66, 23077),

Gene: RyeScarlet_33 Start: 24012, Stop: 24380, Start Num: 40

Candidate Starts for RyeScarlet_33:

(25, 23952), (Start: 40 @24012 has 26 MA's), (65, 24048), (72, 24054), (81, 24075), (88, 24093), (93, 24102), (113, 24201), (116, 24213), (120, 24234), (123, 24243),

Gene: SG4_34 Start: 29511, Stop: 29885, Start Num: 28

Candidate Starts for SG4_34:

(Start: 28 @29511 has 267 MA's), (Start: 78 @29640 has 1 MA's), (83, 29649), (109, 29745), (123, 29778),

Gene: Saal_33 Start: 28816, Stop: 29190, Start Num: 28

Candidate Starts for Saal_33:

(Start: 28 @28816 has 267 MA's), (Start: 29 @28819 has 19 MA's), (Start: 32 @28831 has 42 MA's), (Start: 35 @28843 has 20 MA's), (109, 29050), (123, 29083), (138, 29125),

Gene: Sabbb_34 Start: 29161, Stop: 29535, Start Num: 28

Candidate Starts for Sabbb_34:

(Start: 28 @29161 has 267 MA's), (30, 29167), (Start: 32 @29176 has 42 MA's), (Start: 35 @29188 has 20 MA's), (109, 29395), (123, 29428),

Gene: Sabia_32 Start: 22956, Stop: 23258, Start Num: 53

Candidate Starts for Sabia_32:

(34, 22908), (Start: 35 @22911 has 20 MA's), (Start: 53 @22956 has 113 MA's), (66, 22986),

Gene: Sabinator_32 Start: 22961, Stop: 23263, Start Num: 53

Candidate Starts for Sabinator_32:

(34, 22913), (Start: 35 @22916 has 20 MA's), (Start: 53 @22961 has 113 MA's), (66, 22991),

Gene: Sachima_30 Start: 24050, Stop: 24376, Start Num: 72

Candidate Starts for Sachima_30:

(25, 23948), (Start: 40 @24008 has 26 MA's), (65, 24044), (72, 24050), (81, 24071), (88, 24089), (93, 24098), (113, 24197), (116, 24209), (120, 24230), (123, 24239),

Gene: Saintus_27 Start: 21213, Stop: 21494, Start Num: 51

Candidate Starts for Saintus_27:

(Start: 51 @21213 has 38 MA's), (Start: 64 @21240 has 10 MA's), (67, 21246), (Start: 78 @21270 has 1 MA's), (142, 21447), (144, 21462), (148, 21474), (151, 21483),

Gene: Salz_30 Start: 23064, Stop: 23387, Start Num: 38

Candidate Starts for Salz_30:

(Start: 38 @23064 has 27 MA's), (43, 23073), (84, 23133), (88, 23145), (104, 23187), (116, 23244),

Gene: Sandalphon_34 Start: 29545, Stop: 29919, Start Num: 28

Candidate Starts for Sandalphon_34:

(Start: 28 @29545 has 267 MA's), (30, 29551), (Start: 32 @29560 has 42 MA's), (Start: 35 @29572 has 20 MA's), (109, 29779), (123, 29812),

Gene: Sarma624_29 Start: 24971, Stop: 25345, Start Num: 28

Candidate Starts for Sarma624_29:

(Start: 28 @24971 has 267 MA's), (30, 24977), (Start: 32 @24986 has 42 MA's), (Start: 35 @24998 has 20 MA's), (109, 25205), (123, 25238),

Gene: Saskia_29 Start: 23070, Stop: 23390, Start Num: 39

Candidate Starts for Saskia_29:

(Start: 38 @23067 has 27 MA's), (Start: 39 @23070 has 116 MA's), (43, 23076), (84, 23136), (88, 23148), (104, 23190), (116, 23247),

Gene: Sassafras_34 Start: 29446, Stop: 29820, Start Num: 28

Candidate Starts for Sassafras_34:

(Start: 28 @29446 has 267 MA's), (30, 29452), (Start: 32 @29461 has 42 MA's), (Start: 35 @29473 has 20 MA's), (109, 29680), (123, 29713), (138, 29755),

Gene: SassyB_33 Start: 29077, Stop: 29451, Start Num: 28

Candidate Starts for SassyB_33:

(Start: 28 @29077 has 267 MA's), (Start: 32 @29092 has 42 MA's), (Start: 35 @29104 has 20 MA's), (109, 29311), (123, 29344),

Gene: SaturnRing_30 Start: 22524, Stop: 22826, Start Num: 53

Candidate Starts for SaturnRing_30:

(23, 22422), (Start: 35 @22479 has 20 MA's), (Start: 53 @22524 has 113 MA's), (66, 22554), (72, 22563),

Gene: Schatzie_48 Start: 42816, Stop: 43190, Start Num: 32

Candidate Starts for Schatzie_48:

(Start: 32 @42816 has 42 MA's), (45, 42858), (49, 42870), (99, 42981), (109, 43026), (123, 43068), (129, 43101), (130, 43110), (132, 43122),

Gene: Scherzo_32 Start: 24041, Stop: 24409, Start Num: 40

Candidate Starts for Scherzo_32:

(25, 23981), (Start: 40 @24041 has 26 MA's), (65, 24077), (72, 24083), (81, 24104), (88, 24122), (93, 24131), (113, 24230), (116, 24242), (120, 24263), (123, 24272),

Gene: Schnauzer_30 Start: 24740, Stop: 25120, Start Num: 27

Candidate Starts for Schnauzer_30:

(Start: 27 @24740 has 34 MA's), (105, 24950), (109, 24971),

Gene: Scitech_27 Start: 23917, Stop: 24285, Start Num: 27

Candidate Starts for Scitech_27:

(Start: 27 @23917 has 34 MA's), (68, 24010), (77, 24028), (105, 24115), (109, 24136),

Gene: Scorpia_28 Start: 21518, Stop: 21838, Start Num: 51

Candidate Starts for Scorpia_28:

(Start: 24 @21428 has 2 MA's), (Start: 51 @21518 has 38 MA's), (Start: 64 @21548 has 10 MA's), (67, 21554), (109, 21680), (122, 21710), (123, 21713), (131, 21734), (139, 21767), (152, 21830),

Gene: Scottish_34 Start: 30067, Stop: 30441, Start Num: 28

Candidate Starts for Scottish_34:

(Start: 28 @30067 has 267 MA's), (30, 30073), (Start: 32 @30082 has 42 MA's), (Start: 35 @30094 has 20 MA's), (109, 30301), (123, 30334), (138, 30376),

Gene: Scout_30 Start: 21825, Stop: 22127, Start Num: 53

Candidate Starts for Scout_30:

(23, 21726), (Start: 35 @21783 has 20 MA's), (Start: 53 @21825 has 113 MA's), (70, 21861), (97, 21933),

Gene: SeaLumen_37 Start: 28943, Stop: 29317, Start Num: 28

Candidate Starts for SeaLumen_37:

(Start: 28 @28943 has 267 MA's), (Start: 29 @28946 has 19 MA's), (Start: 32 @28958 has 42 MA's), (Start: 35 @28970 has 20 MA's), (59, 29030), (109, 29177), (123, 29210),

Gene: Seabastian_33 Start: 28977, Stop: 29348, Start Num: 29

Candidate Starts for Seabastian_33:

(Start: 28 @28974 has 267 MA's), (Start: 29 @28977 has 19 MA's), (Start: 32 @28989 has 42 MA's), (Start: 35 @29001 has 20 MA's), (109, 29208), (122, 29238), (123, 29241), (138, 29283),

Gene: Seagreen_34 Start: 28884, Stop: 29258, Start Num: 28

Candidate Starts for Seagreen_34:

(Start: 28 @28884 has 267 MA's), (Start: 29 @28887 has 19 MA's), (Start: 32 @28899 has 42 MA's), (Start: 35 @28911 has 20 MA's), (109, 29118), (123, 29151), (138, 29193),

Gene: SemperFi_32 Start: 22767, Stop: 23054, Start Num: 63

Candidate Starts for SemperFi_32:

(22, 22608), (Start: 63 @22767 has 17 MA's), (123, 22932), (131, 22953), (145, 23031),

Gene: Serenity_29 Start: 21447, Stop: 21770, Start Num: 42

Candidate Starts for Serenity_29:

(Start: 27 @21399 has 34 MA's), (Start: 42 @21447 has 26 MA's), (Start: 64 @21474 has 10 MA's), (67, 21480), (93, 21537), (101, 21576), (145, 21747),

Gene: Shaboozey_43 Start: 37604, Stop: 37990, Start Num: 32

Candidate Starts for Shaboozey_43:

(Start: 32 @37604 has 42 MA's), (44, 37643), (49, 37658), (Start: 55 @37667 has 1 MA's), (109, 37814), (114, 37838), (123, 37856), (128, 37886), (130, 37898),

Gene: Shadow1_32 Start: 26937, Stop: 27293, Start Num: 52

Candidate Starts for Shadow1_32:

(Start: 52 @26937 has 40 MA's), (87, 27009), (102, 27057), (123, 27156), (131, 27177), (146, 27258),

Gene: Sham4_30 Start: 23070, Stop: 23393, Start Num: 38

Candidate Starts for Sham4_30:

(Start: 38 @23070 has 27 MA's), (43, 23079), (84, 23139), (88, 23151), (104, 23193), (116, 23250),

Gene: Shaobing_33 Start: 27083, Stop: 27445, Start Num: 52

Candidate Starts for Shaobing_33:

(Start: 52 @27083 has 40 MA's), (102, 27209), (119, 27287), (131, 27329), (137, 27341), (138, 27350), (139, 27362),

Gene: Shauna1_30 Start: 27898, Stop: 28272, Start Num: 28

Candidate Starts for Shauna1_30:

(Start: 28 @27898 has 267 MA's), (Start: 32 @27913 has 42 MA's), (Start: 35 @27925 has 20 MA's), (109, 28132), (123, 28165),

Gene: ShayRa_33 Start: 21527, Stop: 21868, Start Num: 39

Candidate Starts for ShayRa_33:

(Start: 39 @21527 has 116 MA's), (Start: 78 @21593 has 1 MA's), (84, 21605), (142, 21815), (150, 21851), (153, 21857),

Gene: SheaKeira_30 Start: 21980, Stop: 22342, Start Num: 39

Candidate Starts for SheaKeira_30:

(Start: 27 @21929 has 34 MA's), (Start: 39 @21980 has 116 MA's), (84, 22049), (88, 22061), (113, 22169), (131, 22232),

Gene: Sheen_31 Start: 25298, Stop: 25588, Start Num: 55

Candidate Starts for Sheen_31:

(Start: 55 @25298 has 1 MA's), (72, 25334), (104, 25415),

Gene: ShiLan_33 Start: 28980, Stop: 29354, Start Num: 28

Candidate Starts for ShiLan_33:

(Start: 28 @28980 has 267 MA's), (Start: 32 @28995 has 42 MA's), (Start: 35 @29007 has 20 MA's), (109, 29214), (122, 29244), (123, 29247), (138, 29289),

Gene: Shipwreck_31 Start: 27299, Stop: 27658, Start Num: 28

Candidate Starts for Shipwreck_31:

(Start: 28 @27299 has 267 MA's), (62, 27386), (109, 27524), (123, 27557),

Gene: ShowerHandel_33 Start: 28939, Stop: 29313, Start Num: 28
Candidate Starts for ShowerHandel_33:
(Start: 28 @28939 has 267 MA's), (Start: 32 @28954 has 42 MA's), (Start: 35 @28966 has 20 MA's),
(109, 29173), (122, 29203), (123, 29206), (138, 29248),

Gene: ShrimpFriedEgg_27 Start: 23790, Stop: 24299, Start Num: 26
Candidate Starts for ShrimpFriedEgg_27:
(1, 23220), (Start: 26 @23790 has 12 MA's), (74, 23916), (83, 23934), (105, 24009), (109, 24036),
(113, 24057), (127, 24120), (135, 24189),

Gene: ShroomBoi_30 Start: 27837, Stop: 28211, Start Num: 28
Candidate Starts for ShroomBoi_30:
(Start: 28 @27837 has 267 MA's), (Start: 29 @27840 has 19 MA's), (Start: 32 @27852 has 42 MA's),
(Start: 35 @27864 has 20 MA's), (109, 28071), (123, 28104), (138, 28146),

Gene: Shweta_27 Start: 23918, Stop: 24298, Start Num: 27
Candidate Starts for Shweta_27:
(Start: 27 @23918 has 34 MA's), (105, 24128), (109, 24149),

Gene: SiSi_33 Start: 28745, Stop: 29119, Start Num: 28
Candidate Starts for SiSi_33:
(Start: 28 @28745 has 267 MA's), (30, 28751), (Start: 32 @28760 has 42 MA's), (Start: 35 @28772
has 20 MA's), (109, 28979), (123, 29012), (138, 29054),

Gene: Silvafighter_30 Start: 24740, Stop: 25120, Start Num: 27
Candidate Starts for Silvafighter_30:
(Start: 27 @24740 has 34 MA's), (105, 24950), (109, 24971),

Gene: SilverChicken_41 Start: 28663, Stop: 29037, Start Num: 28
Candidate Starts for SilverChicken_41:
(Start: 28 @28663 has 267 MA's), (Start: 32 @28678 has 42 MA's), (Start: 35 @28690 has 20 MA's),
(109, 28897), (123, 28930),

Gene: Silvy_30 Start: 24741, Stop: 25109, Start Num: 27
Candidate Starts for Silvy_30:
(Start: 27 @24741 has 34 MA's), (68, 24834), (77, 24852), (105, 24939), (109, 24960),

Gene: SimranZ1_36 Start: 29091, Stop: 29438, Start Num: 35
Candidate Starts for SimranZ1_36:
(Start: 28 @29064 has 267 MA's), (30, 29070), (Start: 32 @29079 has 42 MA's), (Start: 35 @29091
has 20 MA's), (109, 29298), (123, 29331), (138, 29373),

Gene: SkinnyPete_27 Start: 23780, Stop: 24148, Start Num: 27
Candidate Starts for SkinnyPete_27:
(Start: 27 @23780 has 34 MA's), (68, 23873), (77, 23891), (105, 23978), (109, 23999),

Gene: Sknot_30 Start: 22446, Stop: 22775, Start Num: 42
Candidate Starts for Sknot_30:
(20, 22287), (Start: 42 @22446 has 26 MA's), (Start: 64 @22473 has 10 MA's), (67, 22479), (91,
22533), (123, 22647), (126, 22662), (145, 22746),

Gene: Slim_35 Start: 30136, Stop: 30510, Start Num: 28
Candidate Starts for Slim_35:

(Start: 28 @30136 has 267 MA's), (30, 30142), (Start: 32 @30151 has 42 MA's), (Start: 35 @30163 has 20 MA's), (109, 30370), (123, 30403), (138, 30445),

Gene: Smeadley_27 Start: 21230, Stop: 21511, Start Num: 51

Candidate Starts for Smeadley_27:

(Start: 51 @21230 has 38 MA's), (Start: 64 @21257 has 10 MA's), (67, 21263), (Start: 78 @21287 has 1 MA's), (93, 21317), (142, 21464), (144, 21479), (148, 21491), (151, 21500),

Gene: Smeagan_32 Start: 22924, Stop: 23262, Start Num: 39

Candidate Starts for Smeagan_32:

(Start: 39 @22924 has 116 MA's), (Start: 64 @22960 has 10 MA's), (67, 22966), (87, 23011), (123, 23134), (126, 23149), (145, 23233),

Gene: SmellyB_33 Start: 22213, Stop: 22509, Start Num: 39

Candidate Starts for SmellyB_33:

(Start: 39 @22213 has 116 MA's), (74, 22267), (109, 22366), (125, 22411),

Gene: Smurph_30 Start: 24740, Stop: 25120, Start Num: 27

Candidate Starts for Smurph_30:

(Start: 27 @24740 has 34 MA's), (105, 24950), (109, 24971),

Gene: SnapTap_30 Start: 22410, Stop: 22697, Start Num: 63

Candidate Starts for SnapTap_30:

(22, 22251), (Start: 63 @22410 has 17 MA's), (123, 22575), (131, 22596), (145, 22674),

Gene: Snape_30 Start: 23070, Stop: 23393, Start Num: 38

Candidate Starts for Snape_30:

(Start: 38 @23070 has 27 MA's), (43, 23079), (84, 23139), (88, 23151), (104, 23193), (116, 23250),

Gene: Snekmaggedon_27 Start: 23790, Stop: 24170, Start Num: 27

Candidate Starts for Snekmaggedon_27:

(Start: 27 @23790 has 34 MA's), (105, 24000), (109, 24021),

Gene: Snickers_32 Start: 22937, Stop: 23239, Start Num: 53

Candidate Starts for Snickers_32:

(34, 22889), (Start: 35 @22892 has 20 MA's), (Start: 53 @22937 has 113 MA's), (66, 22967),

Gene: SoSeph_32 Start: 28510, Stop: 28845, Start Num: 52

Candidate Starts for SoSeph_32:

(Start: 52 @28510 has 40 MA's), (Start: 58 @28525 has 1 MA's), (Start: 78 @28570 has 1 MA's), (89, 28597), (93, 28603), (131, 28717),

Gene: SoYo_32 Start: 22874, Stop: 23176, Start Num: 53

Candidate Starts for SoYo_32:

(34, 22826), (Start: 35 @22829 has 20 MA's), (Start: 53 @22874 has 113 MA's), (66, 22904),

Gene: SoilDragon_32 Start: 22651, Stop: 22953, Start Num: 53

Candidate Starts for SoilDragon_32:

(34, 22603), (Start: 35 @22606 has 20 MA's), (Start: 53 @22651 has 113 MA's), (66, 22681), (72, 22690),

Gene: Sonah_29 Start: 25472, Stop: 25831, Start Num: 28

Candidate Starts for Sonah_29:

(Start: 28 @25472 has 267 MA's), (62, 25559), (109, 25697), (123, 25730),

Gene: SororFago_30 Start: 21704, Stop: 21997, Start Num: 39

Candidate Starts for SororFago_30:

(20, 21545), (Start: 39 @21704 has 116 MA's),

Gene: Soshari_34 Start: 23046, Stop: 23348, Start Num: 53

Candidate Starts for Soshari_34:

(34, 22998), (Start: 35 @23001 has 20 MA's), (Start: 53 @23046 has 113 MA's), (66, 23076),

Gene: Soul22_38 Start: 29141, Stop: 29515, Start Num: 28

Candidate Starts for Soul22_38:

(Start: 28 @29141 has 267 MA's), (30, 29147), (Start: 32 @29156 has 42 MA's), (Start: 35 @29168 has 20 MA's), (59, 29228), (109, 29375), (123, 29408),

Gene: Soups_32 Start: 21527, Stop: 21868, Start Num: 39

Candidate Starts for Soups_32:

(Start: 39 @21527 has 116 MA's), (Start: 78 @21593 has 1 MA's), (84, 21605), (142, 21815), (150, 21851), (153, 21857),

Gene: Sparkdehlily_33 Start: 28862, Stop: 29236, Start Num: 28

Candidate Starts for Sparkdehlily_33:

(Start: 28 @28862 has 267 MA's), (Start: 29 @28865 has 19 MA's), (Start: 32 @28877 has 42 MA's), (Start: 35 @28889 has 20 MA's), (109, 29096), (123, 29129), (138, 29171),

Gene: Spartacus_35 Start: 29272, Stop: 29646, Start Num: 28

Candidate Starts for Spartacus_35:

(Start: 28 @29272 has 267 MA's), (Start: 29 @29275 has 19 MA's), (Start: 32 @29287 has 42 MA's), (Start: 35 @29299 has 20 MA's), (109, 29506), (122, 29536), (123, 29539), (138, 29581),

Gene: Spike509_32 Start: 23047, Stop: 23349, Start Num: 53

Candidate Starts for Spike509_32:

(34, 22999), (Start: 35 @23002 has 20 MA's), (Start: 53 @23047 has 113 MA's), (66, 23077),

Gene: Spikelee_35 Start: 29010, Stop: 29384, Start Num: 28

Candidate Starts for Spikelee_35:

(Start: 28 @29010 has 267 MA's), (30, 29016), (Start: 32 @29025 has 42 MA's), (Start: 35 @29037 has 20 MA's), (109, 29244), (123, 29277), (138, 29319),

Gene: Spinach_27 Start: 23790, Stop: 24299, Start Num: 26

Candidate Starts for Spinach_27:

(1, 23220), (Start: 26 @23790 has 12 MA's), (74, 23916), (83, 23934), (105, 24009), (109, 24036), (113, 24057), (127, 24120), (135, 24189),

Gene: SpongeBob_27 Start: 23790, Stop: 24170, Start Num: 27

Candidate Starts for SpongeBob_27:

(Start: 27 @23790 has 34 MA's), (105, 24000), (109, 24021),

Gene: Spoonbill_33 Start: 29026, Stop: 29400, Start Num: 28

Candidate Starts for Spoonbill_33:

(Start: 28 @29026 has 267 MA's), (Start: 29 @29029 has 19 MA's), (Start: 32 @29041 has 42 MA's), (Start: 35 @29053 has 20 MA's), (109, 29260), (123, 29293), (138, 29335),

Gene: Spouty_32 Start: 24074, Stop: 24442, Start Num: 40

Candidate Starts for Spouty_32:

(25, 24014), (Start: 40 @24074 has 26 MA's), (65, 24110), (72, 24116), (88, 24155), (93, 24164), (113, 24263), (116, 24275), (123, 24305), (125, 24317), (138, 24347),

Gene: Squint_49 Start: 40353, Stop: 40739, Start Num: 32

Candidate Starts for Squint_49:

(Start: 32 @40353 has 42 MA's), (44, 40392), (49, 40407), (Start: 55 @40416 has 1 MA's), (109, 40563), (114, 40587), (123, 40605), (128, 40635), (130, 40647),

Gene: Squirty_28 Start: 24272, Stop: 24643, Start Num: 27

Candidate Starts for Squirty_28:

(1, 23714), (6, 23873), (7, 23900), (Start: 27 @24272 has 34 MA's), (104, 24479), (105, 24482), (109, 24503), (123, 24536),

Gene: StAnnes_32 Start: 29341, Stop: 29715, Start Num: 28

Candidate Starts for StAnnes_32:

(Start: 28 @29341 has 267 MA's), (30, 29347), (Start: 32 @29356 has 42 MA's), (Start: 35 @29368 has 20 MA's), (109, 29575), (123, 29608),

Gene: Stagni_32 Start: 22965, Stop: 23267, Start Num: 53

Candidate Starts for Stagni_32:

(34, 22917), (Start: 35 @22920 has 20 MA's), (Start: 53 @22965 has 113 MA's), (66, 22995),

Gene: Stap_34 Start: 28918, Stop: 29292, Start Num: 28

Candidate Starts for Stap_34:

(Start: 28 @28918 has 267 MA's), (Start: 32 @28933 has 42 MA's), (Start: 35 @28945 has 20 MA's), (109, 29152), (123, 29185), (138, 29227),

Gene: Starcevich_37 Start: 29640, Stop: 30014, Start Num: 28

Candidate Starts for Starcevich_37:

(Start: 28 @29640 has 267 MA's), (Start: 32 @29655 has 42 MA's), (Start: 35 @29667 has 20 MA's), (109, 29874), (123, 29907), (138, 29949),

Gene: Stellammi_35 Start: 29050, Stop: 29436, Start Num: 32

Candidate Starts for Stellammi_35:

(Start: 32 @29050 has 42 MA's), (Start: 55 @29107 has 1 MA's), (69, 29131), (71, 29134), (96, 29197), (103, 29230), (109, 29254), (113, 29275), (139, 29392),

Gene: StepMih_32 Start: 22956, Stop: 23258, Start Num: 53

Candidate Starts for StepMih_32:

(34, 22908), (Start: 35 @22911 has 20 MA's), (Start: 53 @22956 has 113 MA's), (66, 22986),

Gene: Stephig9_27 Start: 21212, Stop: 21493, Start Num: 51

Candidate Starts for Stephig9_27:

(Start: 51 @21212 has 38 MA's), (Start: 64 @21239 has 10 MA's), (67, 21245), (Start: 78 @21269 has 1 MA's), (104, 21332), (142, 21446), (144, 21461), (148, 21473), (151, 21482),

Gene: StevieRay_29 Start: 25461, Stop: 25820, Start Num: 28

Candidate Starts for StevieRay_29:

(Start: 28 @25461 has 267 MA's), (109, 25686), (123, 25719),

Gene: StressBall_29 Start: 25744, Stop: 26103, Start Num: 28

Candidate Starts for StressBall_29:

(Start: 28 @25744 has 267 MA's), (62, 25831), (109, 25969), (123, 26002),

Gene: Strokeseat_34 Start: 29587, Stop: 29961, Start Num: 28

Candidate Starts for Strokeseat_34:

(Start: 28 @29587 has 267 MA's), (Start: 32 @29602 has 42 MA's), (Start: 35 @29614 has 20 MA's), (109, 29821), (123, 29854),

Gene: Strosahl_32 Start: 21369, Stop: 21710, Start Num: 39

Candidate Starts for Strosahl_32:

(Start: 39 @21369 has 116 MA's), (Start: 78 @21435 has 1 MA's), (84, 21447), (142, 21657), (150, 21693), (153, 21699),

Gene: Sunflower1121_32 Start: 26949, Stop: 27311, Start Num: 52

Candidate Starts for Sunflower1121_32:

(Start: 52 @26949 has 40 MA's), (87, 27027), (99, 27066), (102, 27075), (119, 27153), (131, 27195), (138, 27216), (143, 27261),

Gene: Sunhee_30 Start: 21708, Stop: 22064, Start Num: 39

Candidate Starts for Sunhee_30:

(20, 21549), (Start: 39 @21708 has 116 MA's), (65, 21744), (94, 21801), (113, 21897), (114, 21900), (116, 21909), (123, 21939),

Gene: SuperAwesome_33 Start: 22206, Stop: 22502, Start Num: 39

Candidate Starts for SuperAwesome_33:

(Start: 39 @22206 has 116 MA's), (74, 22260), (109, 22359), (125, 22404),

Gene: SuperCallie99_33 Start: 22205, Stop: 22501, Start Num: 39

Candidate Starts for SuperCallie99_33:

(Start: 39 @22205 has 116 MA's), (74, 22259), (109, 22358), (125, 22403),

Gene: SuperGrey_34 Start: 29733, Stop: 30107, Start Num: 28

Candidate Starts for SuperGrey_34:

(Start: 28 @29733 has 267 MA's), (Start: 32 @29748 has 42 MA's), (Start: 35 @29760 has 20 MA's), (109, 29967), (123, 30000),

Gene: Superchunk_29 Start: 21092, Stop: 21400, Start Num: 39

Candidate Starts for Superchunk_29:

(Start: 27 @21041 has 34 MA's), (Start: 39 @21092 has 116 MA's), (56, 21116), (Start: 78 @21170 has 1 MA's), (79, 21173), (84, 21182), (93, 21203), (133, 21314),

Gene: Superphikiman_50 Start: 40425, Stop: 40811, Start Num: 32

Candidate Starts for Superphikiman_50:

(Start: 32 @40425 has 42 MA's), (44, 40464), (49, 40479), (Start: 55 @40488 has 1 MA's), (109, 40635), (114, 40659), (123, 40677), (128, 40707), (130, 40719),

Gene: SwagPiggett_33 Start: 28750, Stop: 29124, Start Num: 28

Candidate Starts for SwagPiggett_33:

(Start: 28 @28750 has 267 MA's), (Start: 32 @28765 has 42 MA's), (Start: 35 @28777 has 20 MA's), (109, 28984), (122, 29014), (123, 29017), (138, 29059),

Gene: SweetiePie_30 Start: 22410, Stop: 22697, Start Num: 63

Candidate Starts for SweetiePie_30:

(22, 22251), (Start: 63 @22410 has 17 MA's), (123, 22575), (131, 22596), (145, 22674),

Gene: SwirlSquare_31 Start: 21246, Stop: 21536, Start Num: 39

Candidate Starts for SwirlSquare_31:

(Start: 27 @21198 has 34 MA's), (Start: 39 @21246 has 116 MA's), (71, 21306), (Start: 73 @21312 has 1 MA's), (93, 21357), (104, 21390),

Gene: Swirley_27 Start: 22230, Stop: 22520, Start Num: 64

Candidate Starts for Swirley_27:

(Start: 24 @22110 has 2 MA's), (Start: 51 @22200 has 38 MA's), (Start: 64 @22230 has 10 MA's), (67, 22236), (104, 22338), (109, 22362), (113, 22383), (123, 22395), (131, 22416), (139, 22449), (147, 22497), (152, 22512),

Gene: Switzerland_32 Start: 21520, Stop: 21861, Start Num: 39

Candidate Starts for Switzerland_32:

(Start: 39 @21520 has 116 MA's), (Start: 78 @21586 has 1 MA's), (84, 21598), (142, 21808), (150, 21844), (153, 21850),

Gene: SydNat_27 Start: 22485, Stop: 22805, Start Num: 51

Candidate Starts for SydNat_27:

(Start: 24 @22395 has 2 MA's), (Start: 51 @22485 has 38 MA's), (Start: 64 @22515 has 10 MA's), (67, 22521), (93, 22575), (104, 22623), (109, 22647), (113, 22668), (123, 22680), (131, 22701), (139, 22734), (152, 22797),

Gene: TClif_34 Start: 27522, Stop: 27884, Start Num: 52

Candidate Starts for TClif_34:

(11, 27153), (13, 27216), (16, 27291), (18, 27321), (Start: 52 @27522 has 40 MA's), (102, 27648), (119, 27726), (123, 27747), (131, 27768), (138, 27789), (139, 27801), (143, 27834),

Gene: TDanisky_33 Start: 28862, Stop: 29236, Start Num: 28

Candidate Starts for TDanisky_33:

(Start: 28 @28862 has 267 MA's), (Start: 29 @28865 has 19 MA's), (Start: 32 @28877 has 42 MA's), (Start: 35 @28889 has 20 MA's), (109, 29096), (123, 29129), (138, 29171),

Gene: TNguyen7_30 Start: 22492, Stop: 22794, Start Num: 53

Candidate Starts for TNguyen7_30:

(23, 22390), (Start: 35 @22447 has 20 MA's), (Start: 53 @22492 has 113 MA's), (66, 22522), (72, 22531),

Gene: Taj_33 Start: 28923, Stop: 29297, Start Num: 28

Candidate Starts for Taj_33:

(Start: 28 @28923 has 267 MA's), (Start: 32 @28938 has 42 MA's), (Start: 35 @28950 has 20 MA's), (109, 29157), (123, 29190), (138, 29232),

Gene: Tapioca_30 Start: 24740, Stop: 25108, Start Num: 27

Candidate Starts for Tapioca_30:

(Start: 27 @24740 has 34 MA's), (105, 24938), (109, 24959),

Gene: TarsusIV_30 Start: 22501, Stop: 22845, Start Num: 35

Candidate Starts for TarsusIV_30:

(Start: 35 @22501 has 20 MA's), (59, 22561), (Start: 64 @22573 has 10 MA's), (Start: 78 @22591 has 1 MA's), (90, 22615), (102, 22651), (123, 22720),

Gene: Tarynearal_26 Start: 22222, Stop: 22542, Start Num: 51

Candidate Starts for Tarynearal_26:

(Start: 24 @22132 has 2 MA's), (Start: 51 @22222 has 38 MA's), (Start: 64 @22252 has 10 MA's), (67, 22258), (104, 22360), (109, 22384), (113, 22405), (123, 22417), (131, 22438), (139, 22471), (147, 22519), (152, 22534),

Gene: Taurus_32 Start: 22962, Stop: 23264, Start Num: 53

Candidate Starts for Taurus_32:

(34, 22914), (Start: 35 @22917 has 20 MA's), (Start: 53 @22962 has 113 MA's), (66, 22992),

Gene: Tchotchke_33 Start: 28392, Stop: 28739, Start Num: 35

Candidate Starts for Tchotchke_33:

(Start: 28 @28365 has 267 MA's), (Start: 29 @28368 has 19 MA's), (Start: 32 @28380 has 42 MA's), (Start: 35 @28392 has 20 MA's), (59, 28452), (109, 28599), (123, 28632), (138, 28674),

Gene: Techage_29 Start: 25476, Stop: 25835, Start Num: 28

Candidate Starts for Techage_29:

(Start: 28 @25476 has 267 MA's), (62, 25563), (109, 25701), (123, 25734),

Gene: Temprado_33 Start: 22214, Stop: 22510, Start Num: 39

Candidate Starts for Temprado_33:

(Start: 27 @22163 has 34 MA's), (Start: 39 @22214 has 116 MA's), (71, 22262), (109, 22367), (125, 22412),

Gene: Terrific_34 Start: 22900, Stop: 23229, Start Num: 42

Candidate Starts for Terrific_34:

(20, 22741), (Start: 42 @22900 has 26 MA's), (Start: 64 @22927 has 10 MA's), (67, 22933), (91, 22987), (123, 23101), (126, 23116), (145, 23200),

Gene: Tessdabest_29 Start: 24737, Stop: 25117, Start Num: 27

Candidate Starts for Tessdabest_29:

(Start: 27 @24737 has 34 MA's), (105, 24947), (109, 24968),

Gene: Texage_30 Start: 23060, Stop: 23362, Start Num: 53

Candidate Starts for Texage_30:

(Start: 35 @23015 has 20 MA's), (Start: 53 @23060 has 113 MA's), (66, 23090), (72, 23099), (89, 23141), (97, 23168),

Gene: Theia_25 Start: 22156, Stop: 22566, Start Num: 24

Candidate Starts for Theia_25:

(Start: 24 @22156 has 2 MA's), (Start: 51 @22246 has 38 MA's), (Start: 64 @22276 has 10 MA's), (67, 22282), (109, 22408), (122, 22438), (123, 22441), (131, 22462), (152, 22558),

Gene: Thespis_29 Start: 25480, Stop: 25839, Start Num: 28

Candidate Starts for Thespis_29:

(Start: 28 @25480 has 267 MA's), (62, 25567), (109, 25705), (123, 25738),

Gene: Thibault_44 Start: 40998, Stop: 41384, Start Num: 32

Candidate Starts for Thibault_44:

(Start: 32 @40998 has 42 MA's), (49, 41052), (Start: 55 @41061 has 1 MA's), (109, 41208), (114, 41232), (123, 41250), (128, 41280), (130, 41292),

Gene: ThreeRngTarjay_49 Start: 43904, Stop: 44299, Start Num: 32

Candidate Starts for ThreeRngTarjay_49:

(Start: 32 @43904 has 42 MA's), (45, 43946), (49, 43958), (99, 44069), (109, 44114), (123, 44156), (129, 44189), (130, 44198),

Gene: Thyatira_32 Start: 28364, Stop: 28699, Start Num: 52

Candidate Starts for Thyatira_32:

(Start: 52 @28364 has 40 MA's), (Start: 58 @28379 has 1 MA's), (Start: 78 @28424 has 1 MA's), (89, 28451), (93, 28457), (131, 28571),

Gene: Tierra_33 Start: 27785, Stop: 28147, Start Num: 52

Candidate Starts for Tierra_33:

(Start: 52 @27785 has 40 MA's), (87, 27863), (99, 27902), (102, 27911), (119, 27989), (131, 28031), (138, 28052), (143, 28097),

Gene: Tiffany_32 Start: 22857, Stop: 23159, Start Num: 53

Candidate Starts for Tiffany_32:

(34, 22809), (Start: 35 @22812 has 20 MA's), (Start: 53 @22857 has 113 MA's), (66, 22887),

Gene: Tiger_27 Start: 22154, Stop: 22444, Start Num: 64

Candidate Starts for Tiger_27:

(Start: 24 @22034 has 2 MA's), (Start: 51 @22124 has 38 MA's), (Start: 64 @22154 has 10 MA's), (67, 22160), (93, 22214), (109, 22286), (122, 22316), (123, 22319), (131, 22340), (152, 22436),

Gene: Tigress9_33 Start: 26955, Stop: 27311, Start Num: 52

Candidate Starts for Tigress9_33:

(Start: 52 @26955 has 40 MA's), (99, 27066), (102, 27075), (119, 27153), (131, 27195), (138, 27216), (143, 27261),

Gene: Timothy_30 Start: 23067, Stop: 23390, Start Num: 38

Candidate Starts for Timothy_30:

(Start: 38 @23067 has 27 MA's), (43, 23076), (84, 23136), (88, 23148), (104, 23190), (116, 23247),

Gene: TinyPebbles_32 Start: 23049, Stop: 23354, Start Num: 53

Candidate Starts for TinyPebbles_32:

(34, 23001), (Start: 35 @23004 has 20 MA's), (Start: 53 @23049 has 113 MA's), (66, 23079), (139, 23289),

Gene: TinyTimmy_30 Start: 23113, Stop: 23433, Start Num: 39

Candidate Starts for TinyTimmy_30:

(Start: 38 @23110 has 27 MA's), (Start: 39 @23113 has 116 MA's), (43, 23119), (84, 23179), (88, 23191), (104, 23233), (116, 23290),

Gene: TipsytheTRex_29 Start: 21554, Stop: 21877, Start Num: 42

Candidate Starts for TipsytheTRex_29:

(Start: 27 @21506 has 34 MA's), (Start: 42 @21554 has 26 MA's), (Start: 64 @21581 has 10 MA's), (67, 21587), (72, 21596), (86, 21629), (93, 21644),

Gene: Toaka_29 Start: 22167, Stop: 22535, Start Num: 41

Candidate Starts for Toaka_29:

(Start: 41 @22167 has 2 MA's), (84, 22236), (88, 22248), (93, 22257), (100, 22290), (113, 22356), (116, 22368),

Gene: Todacoro_31 Start: 23059, Stop: 23361, Start Num: 53

Candidate Starts for Todacoro_31:

(Start: 35 @23014 has 20 MA's), (Start: 53 @23059 has 113 MA's), (66, 23089), (72, 23098), (89, 23140), (97, 23167),

Gene: ToneTone_31 Start: 22140, Stop: 22436, Start Num: 39

Candidate Starts for ToneTone_31:

(Start: 27 @22089 has 34 MA's), (Start: 39 @22140 has 116 MA's), (109, 22293), (125, 22338),

Gene: TootsiePop_34 Start: 28648, Stop: 29022, Start Num: 28

Candidate Starts for TootsiePop_34:

(Start: 28 @28648 has 267 MA's), (Start: 32 @28663 has 42 MA's), (Start: 35 @28675 has 20 MA's), (59, 28735), (109, 28882), (123, 28915),

Gene: Tootsieroll_34 Start: 28814, Stop: 29188, Start Num: 28

Candidate Starts for Tootsieroll_34:

(Start: 28 @28814 has 267 MA's), (30, 28820), (Start: 32 @28829 has 42 MA's), (Start: 35 @28841 has 20 MA's), (109, 29048), (122, 29078), (123, 29081),

Gene: Topiatin_36 Start: 29465, Stop: 29824, Start Num: 32

Candidate Starts for Topiatin_36:

(Start: 28 @29450 has 267 MA's), (Start: 29 @29453 has 19 MA's), (Start: 32 @29465 has 42 MA's), (Start: 35 @29477 has 20 MA's), (109, 29684), (123, 29717), (138, 29759),

Gene: Toro_32 Start: 25243, Stop: 25533, Start Num: 55

Candidate Starts for Toro_32:

(Start: 55 @25243 has 1 MA's), (72, 25279), (81, 25300), (104, 25360),

Gene: Tortellini_28 Start: 25473, Stop: 25922, Start Num: 26

Candidate Starts for Tortellini_28:

(6, 25074), (8, 25101), (Start: 26 @25473 has 12 MA's), (50, 25554), (83, 25611), (102, 25671), (107, 25704), (113, 25734),

Gene: Tortoise12_30 Start: 24740, Stop: 25120, Start Num: 27

Candidate Starts for Tortoise12_30:

(Start: 27 @24740 has 34 MA's), (77, 24863), (105, 24950), (109, 24971),

Gene: Totinger_34 Start: 28746, Stop: 29120, Start Num: 28

Candidate Starts for Totinger_34:

(Start: 28 @28746 has 267 MA's), (Start: 29 @28749 has 19 MA's), (Start: 32 @28761 has 42 MA's), (Start: 35 @28773 has 20 MA's), (109, 28980), (123, 29013),

Gene: Trixie_33 Start: 24085, Stop: 24438, Start Num: 39

Candidate Starts for Trixie_33:

(20, 23926), (Start: 39 @24085 has 116 MA's), (Start: 73 @24130 has 1 MA's), (93, 24175), (104, 24229), (116, 24286), (118, 24292), (120, 24307), (125, 24328), (145, 24415),

Gene: Trooper_30 Start: 22271, Stop: 22612, Start Num: 35

Candidate Starts for Trooper_30:

(17, 22112), (Start: 35 @22271 has 20 MA's), (59, 22331), (Start: 64 @22343 has 10 MA's), (Start: 78 @22361 has 1 MA's), (102, 22421),

Gene: Tubs_32 Start: 24008, Stop: 24376, Start Num: 40

Candidate Starts for Tubs_32:

(25, 23948), (Start: 40 @24008 has 26 MA's), (65, 24044), (72, 24050), (81, 24071), (88, 24089), (93, 24098), (113, 24197), (116, 24209), (120, 24230), (123, 24239),

Gene: Tucker_33 Start: 22226, Stop: 22522, Start Num: 39

Candidate Starts for Tucker_33:

(Start: 27 @22175 has 34 MA's), (Start: 39 @22226 has 116 MA's), (109, 22379), (125, 22424),

Gene: Turbido_32 Start: 22927, Stop: 23265, Start Num: 39

Candidate Starts for Turbido_32:

(Start: 39 @22927 has 116 MA's), (Start: 64 @22963 has 10 MA's), (67, 22969), (87, 23014), (123, 23137), (126, 23152), (145, 23236),

Gene: Tweety_33 Start: 28981, Stop: 29355, Start Num: 28

Candidate Starts for Tweety_33:

(Start: 28 @28981 has 267 MA's), (Start: 32 @28996 has 42 MA's), (Start: 35 @29008 has 20 MA's), (109, 29215), (123, 29248),

Gene: Twigg_27 Start: 22195, Stop: 22515, Start Num: 51

Candidate Starts for Twigg_27:

(Start: 24 @22105 has 2 MA's), (Start: 51 @22195 has 38 MA's), (Start: 64 @22225 has 10 MA's), (67, 22231), (104, 22333), (109, 22357), (113, 22378), (123, 22390), (131, 22411), (139, 22444), (147, 22492), (152, 22507),

Gene: Ugenie5_29 Start: 24041, Stop: 24409, Start Num: 40

Candidate Starts for Ugenie5_29:

(25, 23981), (Start: 40 @24041 has 26 MA's), (65, 24077), (72, 24083), (81, 24104), (88, 24122), (93, 24131), (113, 24230), (116, 24242), (120, 24263), (123, 24272),

Gene: UncleRicky_36 Start: 30077, Stop: 30451, Start Num: 28

Candidate Starts for UncleRicky_36:

(Start: 28 @30077 has 267 MA's), (Start: 29 @30080 has 19 MA's), (Start: 32 @30092 has 42 MA's), (Start: 35 @30104 has 20 MA's), (109, 30311), (123, 30344), (138, 30386),

Gene: Unicorn_33 Start: 27114, Stop: 27476, Start Num: 52

Candidate Starts for Unicorn_33:

(Start: 52 @27114 has 40 MA's), (87, 27192), (99, 27231), (102, 27240), (119, 27318), (131, 27360), (137, 27372), (138, 27381), (143, 27426),

Gene: UnionJack_27 Start: 21253, Stop: 21573, Start Num: 51

Candidate Starts for UnionJack_27:

(Start: 24 @21163 has 2 MA's), (Start: 51 @21253 has 38 MA's), (Start: 64 @21283 has 10 MA's), (67, 21289), (109, 21415), (113, 21436), (123, 21448), (131, 21469), (139, 21502), (152, 21565),

Gene: Updawg_32 Start: 22888, Stop: 23217, Start Num: 42

Candidate Starts for Updawg_32:

(20, 22729), (Start: 42 @22888 has 26 MA's), (Start: 64 @22915 has 10 MA's), (67, 22921), (91, 22975), (123, 23089), (126, 23104), (145, 23188),

Gene: VA6_30 Start: 22452, Stop: 22718, Start Num: 38

Candidate Starts for VA6_30:

(20, 22296), (Start: 38 @22452 has 27 MA's), (Start: 73 @22497 has 1 MA's), (76, 22506), (84, 22521),

Gene: VC3_33 Start: 22440, Stop: 22706, Start Num: 38

Candidate Starts for VC3_33:

(20, 22284), (Start: 38 @22440 has 27 MA's), (Start: 73 @22485 has 1 MA's), (76, 22494), (84, 22509),

Gene: VRedHorse_33 Start: 28935, Stop: 29309, Start Num: 28

Candidate Starts for VRedHorse_33:

(Start: 28 @28935 has 267 MA's), (Start: 32 @28950 has 42 MA's), (Start: 35 @28962 has 20 MA's), (109, 29169), (123, 29202),

Gene: Validus_33 Start: 27015, Stop: 27377, Start Num: 52

Candidate Starts for Validus_33:

(Start: 52 @27015 has 40 MA's), (102, 27141), (119, 27219), (131, 27261), (137, 27273), (138, 27282), (139, 27294),

Gene: Vanisoa_29 Start: 21862, Stop: 22248, Start Num: 39

Candidate Starts for Vanisoa_29:

(Start: 27 @21811 has 34 MA's), (Start: 39 @21862 has 116 MA's), (47, 21883), (65, 21916), (84, 21949), (85, 21952), (113, 22069), (116, 22081),

Gene: Velveteen_29 Start: 24971, Stop: 25345, Start Num: 28

Candidate Starts for Velveteen_29:

(Start: 28 @24971 has 267 MA's), (30, 24977), (Start: 32 @24986 has 42 MA's), (Start: 35 @24998 has 20 MA's), (109, 25205), (123, 25238),

Gene: Venti_29 Start: 25485, Stop: 25844, Start Num: 28

Candidate Starts for Venti_29:

(Start: 28 @25485 has 267 MA's), (62, 25572), (109, 25710), (123, 25743),

Gene: Veracruz_30 Start: 23014, Stop: 23361, Start Num: 35

Candidate Starts for Veracruz_30:

(Start: 35 @23014 has 20 MA's), (Start: 53 @23059 has 113 MA's), (66, 23089), (72, 23098), (89, 23140), (97, 23167),

Gene: Veteran_33 Start: 28784, Stop: 29158, Start Num: 28

Candidate Starts for Veteran_33:

(Start: 28 @28784 has 267 MA's), (30, 28790), (Start: 32 @28799 has 42 MA's), (Start: 35 @28811 has 20 MA's), (109, 29018), (123, 29051), (138, 29093),

Gene: Vidya_29 Start: 25485, Stop: 25844, Start Num: 28

Candidate Starts for Vidya_29:

(Start: 28 @25485 has 267 MA's), (62, 25572), (109, 25710), (123, 25743),

Gene: Violac_34 Start: 29466, Stop: 29840, Start Num: 28

Candidate Starts for Violac_34:

(Start: 28 @29466 has 267 MA's), (Start: 32 @29481 has 42 MA's), (Start: 35 @29493 has 20 MA's), (109, 29700), (123, 29733),

Gene: ViviJ_31 Start: 28195, Stop: 28524, Start Num: 52

Candidate Starts for ViviJ_31:

(Start: 52 @28195 has 40 MA's), (Start: 58 @28210 has 1 MA's), (Start: 78 @28255 has 1 MA's), (87, 28276), (89, 28282), (121, 28375), (131, 28402), (138, 28423),

Gene: Vivum_34 Start: 28762, Stop: 29136, Start Num: 28

Candidate Starts for Vivum_34:

(Start: 28 @28762 has 267 MA's), (Start: 32 @28777 has 42 MA's), (Start: 35 @28789 has 20 MA's),
(Start: 78 @28891 has 1 MA's), (109, 28996), (123, 29029), (138, 29071),

Gene: Vix_32 Start: 23045, Stop: 23347, Start Num: 53

Candidate Starts for Vix_32:

(34, 22997), (Start: 35 @23000 has 20 MA's), (Start: 53 @23045 has 113 MA's), (66, 23075),

Gene: VohminGhazi_33 Start: 22213, Stop: 22509, Start Num: 39

Candidate Starts for VohminGhazi_33:

(Start: 39 @22213 has 116 MA's), (74, 22267), (109, 22366), (125, 22411),

Gene: WST1_28 Start: 22626, Stop: 23003, Start Num: 27

Candidate Starts for WST1_28:

(Start: 27 @22626 has 34 MA's), (77, 22749), (80, 22755), (138, 22932),

Gene: Wachhund_33 Start: 28938, Stop: 29312, Start Num: 28

Candidate Starts for Wachhund_33:

(Start: 28 @28938 has 267 MA's), (Start: 32 @28953 has 42 MA's), (Start: 35 @28965 has 20 MA's),
(109, 29172), (123, 29205),

Gene: Waits_32 Start: 21375, Stop: 21716, Start Num: 39

Candidate Starts for Waits_32:

(Start: 39 @21375 has 116 MA's), (Start: 78 @21441 has 1 MA's), (84, 21453), (142, 21663), (150,
21699), (153, 21705),

Gene: Wanda_57 Start: 43615, Stop: 44010, Start Num: 32

Candidate Starts for Wanda_57:

(Start: 32 @43615 has 42 MA's), (45, 43657), (49, 43669), (99, 43780), (109, 43825), (123, 43867),
(129, 43900), (130, 43909), (132, 43921),

Gene: Warrior24_32 Start: 21379, Stop: 21720, Start Num: 39

Candidate Starts for Warrior24_32:

(Start: 39 @21379 has 116 MA's), (Start: 78 @21445 has 1 MA's), (84, 21457), (142, 21667), (150,
21703), (153, 21709),

Gene: Waterfoul_32 Start: 28388, Stop: 28723, Start Num: 52

Candidate Starts for Waterfoul_32:

(Start: 52 @28388 has 40 MA's), (Start: 58 @28403 has 1 MA's), (Start: 78 @28448 has 1 MA's), (89,
28475), (93, 28481), (131, 28595),

Gene: Watson_32 Start: 22955, Stop: 23257, Start Num: 53

Candidate Starts for Watson_32:

(34, 22907), (Start: 35 @22910 has 20 MA's), (Start: 53 @22955 has 113 MA's), (66, 22985),

Gene: Wee_34 Start: 29461, Stop: 29835, Start Num: 28

Candidate Starts for Wee_34:

(Start: 28 @29461 has 267 MA's), (Start: 32 @29476 has 42 MA's), (Start: 35 @29488 has 20 MA's),
(109, 29695), (123, 29728), (138, 29770),

Gene: WeiHuaDA_36 Start: 24801, Stop: 25109, Start Num: 73

Candidate Starts for WeiHuaDA_36:

(20, 24597), (Start: 39 @24756 has 116 MA's), (Start: 73 @24801 has 1 MA's), (93, 24846), (104,
24900), (116, 24957), (120, 24978), (125, 24999), (145, 25086),

Gene: Whabigail7_32 Start: 22915, Stop: 23253, Start Num: 39

Candidate Starts for Whabigail7_32:

(Start: 39 @22915 has 116 MA's), (Start: 64 @22951 has 10 MA's), (67, 22957), (87, 23002), (123, 23125), (126, 23140), (145, 23224),

Gene: Whatsapiecost_34 Start: 29197, Stop: 29571, Start Num: 28

Candidate Starts for Whatsapiecost_34:

(Start: 28 @29197 has 267 MA's), (Start: 32 @29212 has 42 MA's), (Start: 35 @29224 has 20 MA's), (109, 29431), (123, 29464),

Gene: Whouxphf_34 Start: 29255, Stop: 29629, Start Num: 28

Candidate Starts for Whouxphf_34:

(Start: 28 @29255 has 267 MA's), (Start: 32 @29270 has 42 MA's), (Start: 35 @29282 has 20 MA's), (109, 29489), (123, 29522), (138, 29564),

Gene: WideWale_32 Start: 22888, Stop: 23217, Start Num: 42

Candidate Starts for WideWale_32:

(20, 22729), (Start: 42 @22888 has 26 MA's), (Start: 64 @22915 has 10 MA's), (67, 22921), (91, 22975), (123, 23089), (126, 23104), (145, 23188),

Gene: Wiks_33 Start: 22208, Stop: 22504, Start Num: 39

Candidate Starts for Wiks_33:

(Start: 27 @22157 has 34 MA's), (Start: 39 @22208 has 116 MA's), (71, 22256), (109, 22361), (125, 22406),

Gene: WillSterrel_35 Start: 30386, Stop: 30760, Start Num: 28

Candidate Starts for WillSterrel_35:

(Start: 28 @30386 has 267 MA's), (Start: 29 @30389 has 19 MA's), (Start: 32 @30401 has 42 MA's), (Start: 35 @30413 has 20 MA's), (109, 30620), (122, 30650), (123, 30653), (138, 30695),

Gene: Willsammy_28 Start: 25140, Stop: 25586, Start Num: 26

Candidate Starts for Willsammy_28:

(Start: 26 @25140 has 12 MA's), (50, 25221), (83, 25278), (102, 25338), (107, 25371), (113, 25401),

Gene: Wolpertinger_29 Start: 23070, Stop: 23393, Start Num: 38

Candidate Starts for Wolpertinger_29:

(Start: 38 @23070 has 27 MA's), (43, 23079), (84, 23139), (88, 23151), (104, 23193), (116, 23250),

Gene: Wooldri_34 Start: 22874, Stop: 23176, Start Num: 53

Candidate Starts for Wooldri_34:

(34, 22826), (Start: 35 @22829 has 20 MA's), (Start: 53 @22874 has 113 MA's), (66, 22904),

Gene: WorldCup_28 Start: 21862, Stop: 22227, Start Num: 39

Candidate Starts for WorldCup_28:

(Start: 27 @21811 has 34 MA's), (Start: 39 @21862 has 116 MA's), (81, 21925), (84, 21931), (85, 21934), (114, 22054), (120, 22084), (123, 22093), (125, 22105),

Gene: WunderPhul_33 Start: 22208, Stop: 22504, Start Num: 39

Candidate Starts for WunderPhul_33:

(Start: 27 @22157 has 34 MA's), (Start: 39 @22208 has 116 MA's), (71, 22256), (109, 22361), (125, 22406),

Gene: XFactor_33 Start: 28942, Stop: 29316, Start Num: 28
Candidate Starts for XFactor_33:
(Start: 28 @28942 has 267 MA's), (Start: 29 @28945 has 19 MA's), (Start: 32 @28957 has 42 MA's),
(Start: 35 @28969 has 20 MA's), (109, 29176), (123, 29209),

Gene: Xavia_29 Start: 26111, Stop: 26473, Start Num: 28
Candidate Starts for Xavia_29:
(Start: 28 @26111 has 267 MA's), (Start: 29 @26114 has 19 MA's), (80, 26234), (104, 26312), (105,
26315),

Gene: Xeno_29 Start: 24506, Stop: 24874, Start Num: 27
Candidate Starts for Xeno_29:
(Start: 27 @24506 has 34 MA's), (68, 24599), (77, 24617), (105, 24704), (109, 24725),

Gene: Xerxes_30 Start: 24737, Stop: 25117, Start Num: 27
Candidate Starts for Xerxes_30:
(Start: 27 @24737 has 34 MA's), (105, 24947), (109, 24968),

Gene: XianYue_30 Start: 22369, Stop: 22722, Start Num: 39
Candidate Starts for XianYue_30:
(Start: 39 @22369 has 116 MA's), (50, 22378), (Start: 73 @22414 has 1 MA's), (88, 22450), (89,
22453), (114, 22561), (125, 22612), (131, 22621), (145, 22699),

Gene: Xiaokay_46 Start: 40662, Stop: 41036, Start Num: 32
Candidate Starts for Xiaokay_46:
(Start: 32 @40662 has 42 MA's), (45, 40704), (49, 40716), (99, 40827), (109, 40872), (123, 40914),
(129, 40947), (130, 40956), (132, 40968),

Gene: Ximenita_34 Start: 27141, Stop: 27497, Start Num: 52
Candidate Starts for Ximenita_34:
(Start: 52 @27141 has 40 MA's), (87, 27213), (102, 27261), (119, 27339), (123, 27360), (138, 27402),
(143, 27447), (146, 27462),

Gene: Xula_27 Start: 25181, Stop: 25525, Start Num: 29
Candidate Starts for Xula_27:
(5, 24716), (9, 24869), (12, 24938), (16, 25034), (Start: 28 @25178 has 267 MA's), (Start: 29 @25181
has 19 MA's), (104, 25364), (105, 25367), (109, 25388), (123, 25421),

Gene: Yecey3_31 Start: 22095, Stop: 22433, Start Num: 39
Candidate Starts for Yecey3_31:
(Start: 39 @22095 has 116 MA's), (84, 22164), (85, 22167), (88, 22176), (117, 22296), (149, 22413),

Gene: Yeet_49 Start: 43036, Stop: 43431, Start Num: 32
Candidate Starts for Yeet_49:
(Start: 32 @43036 has 42 MA's), (45, 43078), (49, 43090), (99, 43201), (109, 43246), (123, 43288),
(129, 43321), (130, 43330),

Gene: Yokurt_33 Start: 22208, Stop: 22504, Start Num: 39
Candidate Starts for Yokurt_33:
(Start: 27 @22157 has 34 MA's), (Start: 39 @22208 has 116 MA's), (71, 22256), (109, 22361), (125,
22406),

Gene: Yorick_33 Start: 28937, Stop: 29311, Start Num: 28

Candidate Starts for Yorick_33:

(Start: 28 @28937 has 267 MA's), (Start: 32 @28952 has 42 MA's), (Start: 35 @28964 has 20 MA's), (109, 29171), (122, 29201), (123, 29204), (138, 29246),

Gene: Zaka_33 Start: 22208, Stop: 22504, Start Num: 39

Candidate Starts for Zaka_33:

(Start: 27 @22157 has 34 MA's), (Start: 39 @22208 has 116 MA's), (71, 22256), (109, 22361), (125, 22406),

Gene: Zarafa_30 Start: 22587, Stop: 22889, Start Num: 53

Candidate Starts for Zarafa_30:

(23, 22488), (Start: 35 @22545 has 20 MA's), (Start: 53 @22587 has 113 MA's), (70, 22623), (97, 22695),

Gene: Zelink_52 Start: 44851, Stop: 45225, Start Num: 32

Candidate Starts for Zelink_52:

(Start: 32 @44851 has 42 MA's), (44, 44890), (49, 44905), (Start: 55 @44914 has 1 MA's), (109, 45061), (114, 45085), (123, 45103), (128, 45133), (130, 45145),

Gene: Zerg_33 Start: 28797, Stop: 29171, Start Num: 28

Candidate Starts for Zerg_33:

(Start: 28 @28797 has 267 MA's), (30, 28803), (Start: 32 @28812 has 42 MA's), (Start: 35 @28824 has 20 MA's), (109, 29031), (123, 29064),

Gene: Zetzy_31 Start: 22500, Stop: 22805, Start Num: 53

Candidate Starts for Zetzy_31:

(34, 22452), (Start: 35 @22455 has 20 MA's), (Start: 53 @22500 has 113 MA's), (66, 22530), (72, 22539), (81, 22560), (113, 22674),

Gene: Zilizebeth_29 Start: 25485, Stop: 25844, Start Num: 28

Candidate Starts for Zilizebeth_29:

(Start: 28 @25485 has 267 MA's), (62, 25572), (109, 25710), (123, 25743),

Gene: Zimmer_32 Start: 24617, Stop: 24979, Start Num: 39

Candidate Starts for Zimmer_32:

(Start: 39 @24617 has 116 MA's), (50, 24626), (65, 24653), (Start: 73 @24662 has 1 MA's), (85, 24689), (93, 24707), (114, 24809), (115, 24812), (116, 24818), (120, 24839), (123, 24848), (125, 24860), (131, 24869),

Gene: Zizzle_33 Start: 28881, Stop: 29255, Start Num: 28

Candidate Starts for Zizzle_33:

(Start: 28 @28881 has 267 MA's), (Start: 32 @28896 has 42 MA's), (Start: 35 @28908 has 20 MA's), (109, 29115), (122, 29145), (123, 29148), (138, 29190),

Gene: Zolita_26 Start: 22486, Stop: 22806, Start Num: 51

Candidate Starts for Zolita_26:

(Start: 24 @22396 has 2 MA's), (Start: 51 @22486 has 38 MA's), (Start: 64 @22516 has 10 MA's), (67, 22522), (93, 22576), (104, 22624), (109, 22648), (113, 22669), (123, 22681), (131, 22702), (139, 22735), (152, 22798),

Gene: Zulu_33 Start: 22207, Stop: 22503, Start Num: 39

Candidate Starts for Zulu_33:

(Start: 27 @22156 has 34 MA's), (Start: 39 @22207 has 116 MA's), (71, 22255), (109, 22360), (125, 22405),