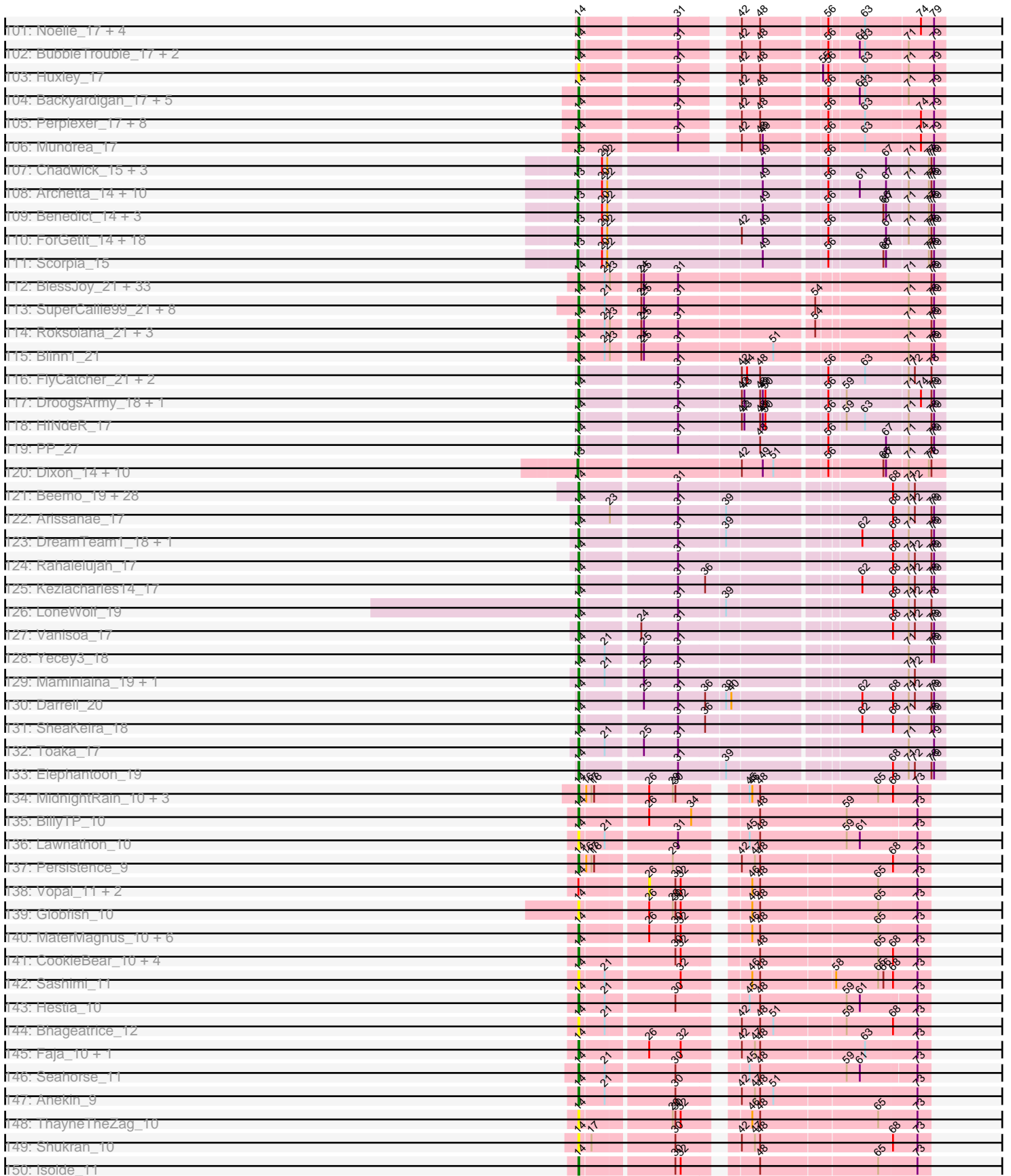
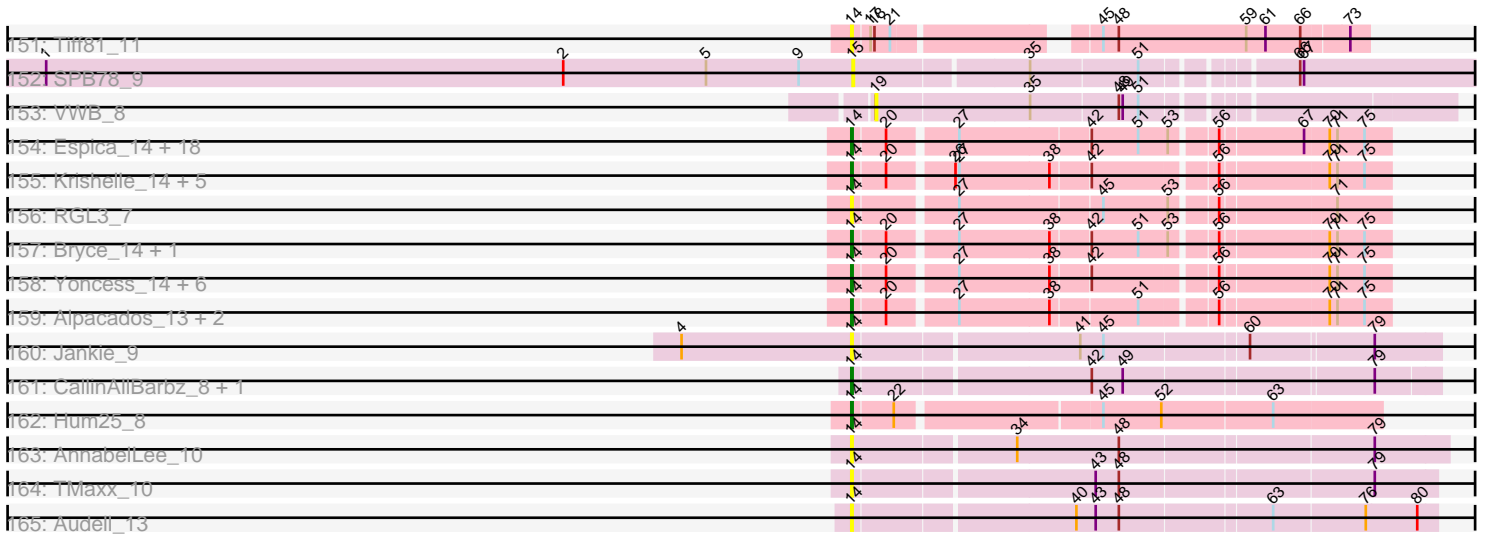


Pham 202532



Pham 202532



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 202532 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 202532 has 919 members, 93 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_18
- Track 2 : Paraselene_16, CactusRose_16, Nerujay_18, Molly_18, Atkinbua_18, Petp2012_19, A6_15, Pepe_18, Bigfoot_16, Euphoria_17, Bruns_16, Michley_17, Sorpresa_17, Pita2_19, GrecoEtereo_18, Mryolo_16, PSullivan_19, StewieG_16, Jasper_18, MetalQZJ_17, Dreamboat_18, Rohr_18, Ruotula_16, ILeeKay_19, BigMau_19, Blue_17, PattyP_19, Seanderson_18, BigPaolini_18, Hami1_19, Graduation_19, Payneful_17, Magnito_16, Burton_18, Beatrix_16, MPlant7149_16, Marge_18, Tote_19, Barriga_17, Makemake_17, Greg_19, Niza_19, Dynamix_18, Watermelon_19, Fushigi_18, SkiPole_19, Magnar_17, Sumter_16, Gandalf20_18, Crispicious1_16, Aeneas_19, Lesedi_16, AFIS_17, BPBiebs31_18, Chanagan_16, Bob3_16, Abrogate_180, Seabiscuit_19, DD5_18, Mule_17, Moose_16, Teodoridan_15, Pelly_18, Zeuska_18, Ringer_17, PhrostyMug_17, GageAP_19, Marchy_16, Lockley_17, HarryOW_18, Tasp14_18, Maroc7_16, Fajezeel_19, Sagefire_18, Paphu_16, Swole_19, KBG_18, Perseus_18, BluSpix_17, JackSparrow_18, Museum_19, Sanya_16, Rutherford_19, BK1_15, Sandaddy_16, JuliaChild_19, Eyeball_17, Rhynn_17, Ashballer_16, McGuire_18, Pinto_19, IgnatiusPatJac_16, Arlo_16, Bethlehem_17, KSSJEB_17, Dexes_18, Pari_18, Ajay_17, KyMonks1A_19, Applejack_17, Kanely_18, TwoPeat_18, Rubeus_18, Killigrew_15, ProMouse_16, Lamina13_17, Sunshine924_16, Dulcie_16, QTRLifeCrisis_17, Slagathor_18, Jerm2_18, SwissCheese_17, Homines_17, MrGordo_17, Trouble_17, MaryBeth_17, Forsytheast_16, Espresso_17, Fascinus_16, Jorgensen_17, Ohno789_17, PinkPlastic_16, SpikeBT_19
- Track 3 : Anglerfish_18, Parliament_16, Bircsak_17, Kenmech_20, Squee_18, Gompeii16_17, Thor_17, Briton15_19, Agaliana_17, Petruccio_17, Peterson_20, Corvo_17, Switzer_18, Alvin_18, Treddle_19, Abbysshoes_18, GMonster_16, HermioneGrange_17, Monet_19, Naira_18, Edtherson_18, NEHalo_17, HanShotFirst_17, DreamCatcher_20, Carlyle_19, TheloniousMonk_19, Hope4ever_17, LilBib_18, ShortQueendom_16, JC27_19, Gyzlar_19, Rufus_18, Doom_18, Zeeculate_16, Marcell_17, Bexan_16, Tripl3t_18, U2_17, Zephyr_17, STLscum_18, Gwendoluna_19, Froghopper_18, Sibs6_19, Licorice_19, Buttons_18, SarFire_17, Wheeler_17, Manatee_18, StrongArm_16, Fenn_18, Dussy_18
- Track 4 : Lopton_18, Big3_17, PherrisBueller_18, Scowl_18, Norz_19

- Track 5 : Francis47_17, BaconJack_19, Marsha_17, Papez_19, Arcanine_18, Rajelicia_17, Nhonho_17, RidgeCB_17, Traft412_19, DrFeelGood_16, Smairt_18
- Track 6 : Altman_19
- Track 7 : Pippin_19, Acme_19, Ciao_17
- Track 8 : Topgun_17, Cueylyss_17, PacerPaul_17, Wilkins_17, BeesKnees_18, Adahisdi_18, Violet_16, Bones_17, PascalRango_16, ConceptII_18, Oogway_16
- Track 9 : Solon_17
- Track 10 : Smeagol_19
- Track 11 : Hermia_19
- Track 12 : Snazzy_15
- Track 13 : Kugel_17
- Track 14 : Target_18, Bxb1_15
- Track 15 : Inyanga_16, Mkhuseli_18, Raid_18, Alsfro_21
- Track 16 : Kykar_14
- Track 17 : Ichabod_18
- Track 18 : Turj99_16
- Track 19 : BillKnuckles_17
- Track 20 : Goose_17, OKCentral2016_17, Chupacabra_17, WalterMcMickey_17, Twister_17
- Track 21 : Eaglepride_18
- Track 22 : RhynO_18, Shapes_20, Rowdy_20, DustyMartin_20
- Track 23 : PeaceMeal1_16, Severus_16, Drake94_16, KittenMittens_16, Poompha_16
- Track 24 : Trike_15
- Track 25 : DontArgue_16
- Track 26 : Rebeuca_18, Kristoff_18
- Track 27 : Munch_18, Salz_18, Lucivia_18, MaCh_18, Insomnia_18, Jabith_18, TinyTimmy_18, Et2Brutus_17, Orange_18, Flaverint_18, Mulciber_18, Fibonacci_18, Bowtie_18, Sham4_18, Bachome_18, Petersenfast_17, Ebony_18, Timothy_18, Joselito_18, Aneem_18, Gilberta_18, Bud_18, Mabel_18, Hutc2_18, Snape_18
- Track 28 : Refuge_21
- Track 29 : Pharaoh_18
- Track 30 : Zimmer_20
- Track 31 : DarthPhader_19
- Track 32 : Steamy_19
- Track 33 : Phlei_13
- Track 34 : Jeeves_17
- Track 35 : SororFago_17
- Track 36 : Sunhee_16, Gail_17
- Track 37 : Luchador_19
- Track 38 : Remus_20, Switzerland_20, Battleship_21, LastResort_20, JSwag_20, ShayRa_21, Warrior24_21, MinecraftSteve_21, Rosalind_20, KatherineG_20, DekHockey33_20, Oofda_21, Waits_20, Nebulosus_20, Looper_21, ReMo_20, Anaysia_20, Epsocamisio_20, Strosahl_20, Boohoo_20, Soups_20
- Track 39 : Anon_18
- Track 40 : Nedarya_19
- Track 41 : PainterBoy_19, EagleEye_20, Lucyedi_19
- Track 42 : 40AC_21
- Track 43 : MyraDee_15
- Track 44 : Kimona_14
- Track 45 : Tomathan_21, D29_19, Travvers_21, Duplo_21, Kerberos_21, DBQu4n_21, D32_21, StarStuff_21, Pomar16_21, Naji_21
- Track 46 : IronMan_20, Phaded_21, Landor_19, Jaan_21, Bactobuster_19

- Track 47 : Anselm_18, DudeLittle_18, Retro23_18, Dalmatian_18
- Track 48 : Kalpine_21
- Track 49 : AN3_18, Deloris_19, VA6_18, BengiVuitton_19
- Track 50 : EvilGenius_20, KingCyrus_20, ChipMunk_20
- Track 51 : Superchunk_17, Caraxes_17, Che12_20, Odin_17, Ph8s_19, Adzzy_19
- Track 52 : GaugeLDP_20
- Track 53 : ANI8_21, AN9_21, C3_16
- Track 54 : Jerm_20, Dignity_20, AbbyPaige_20, Whabigail7_20, Smeagan_20, Buggy_20, Leviathan_20, LilTurb_20, Agape74_20, Turbido_20
- Track 55 : Colin_22
- Track 56 : SemperFi_20, Georgie2_19, SweetiePie_18, Crucio_18, Power_18, QueenBeesly_18, SnapTap_18, FiringLine_18
- Track 57 : TipsytheTRex_17, Bradman_17, Quokka_16, Serenity_17, Journey13_16, Jsquared_17, MajorMajor_17
- Track 58 : Trooper_18
- Track 59 : CRB1_18
- Track 60 : HarryHoudini_20, Updawg_20, Equemioh13_20, NaSiaTalie_18, Flare16_18, Sknot_19, MiculUcigas_18, WideWale_20, Centaur_20, Drake55_20, Piro94_19
- Track 61 : Malec_19, Larenn_19
- Track 62 : NicoleTera_22
- Track 63 : BobSwaget_21
- Track 64 : AnnaL29_21, Loser_21
- Track 65 : L5_19, Koduck_18
- Track 66 : Fameo_18, QueenB2_18
- Track 67 : EZMoney23_22
- Track 68 : SwirlSquare_20
- Track 69 : MissWhite_18
- Track 70 : Miko_21, Rachaly_21, Lokk_21
- Track 71 : Baehexic_19
- Track 72 : Iwokeuplikedis_19
- Track 73 : TarsusIV_18
- Track 74 : XianYue_18
- Track 75 : RedRock_21
- Track 76 : Pukovnik_20
- Track 77 : Heffalump_20
- Track 78 : JoshKayV_20
- Track 79 : Trixie_21
- Track 80 : Herbertwm_15
- Track 81 : First_0018, 20ES_18
- Track 82 : LadyBird_18
- Track 83 : BabyBack_20
- Track 84 : Leogania_20, BiancaTri92_20
- Track 85 : Benvolio_18, Echild_18
- Track 86 : WeiHuaDA_24
- Track 87 : ArcherNM_20
- Track 88 : Acolyte_18
- Track 89 : Changeling_21
- Track 90 : NothingSpecial_20
- Track 91 : VC3_21
- Track 92 : Anthony_17
- Track 93 : Kinmap_17

- Track 94 : Norbert_17, Popcicle_18, Veracruz_17, Noella_18, Panamaxus_18, Caviar_18, Todacoro_18, ResDef_18, Hookmount_18, Texage_17, Margo_18, Lambert1_18, Pocahontas_18, QuinnKiro_17
- Track 95 : Anubis_21, Stagni_19, Grum1_19, JenCasNa_19, LarryKay_19, Louie6_19, Malinsilva_21, Wooldri_21, Spike509_19, Hercules11_19, P28Green_19, Heliosoles_19, SoYo_19, Rummer_19, Grub_19, MadMarie_19, StepMih_19, HaveUMetTed_20, Methuselah_19, KADY_20, MoneyMay_19, Calvinny_20, PhishRPhriends_18, HashRod_20, Sabinator_19, Bxz2_19, Beauxregard13_19, Misomonster_21, TinyPebbles_19, Ollie_19, PotatoSplit_20, Farber_19, PGHhamlin_21, Microwolf_19, AgronaGT15_19, Vix_19, Groupthink_20, Dieselweasel_19, Gemma_19, MuchMore_21, BreSam8_19, OlanP_19, Pawn_19, BuzzBuzz_18, Colbster_19, DaHudson_19, Kalb97_20, LugYA_21, Kalnoky_20, Phoebe_19, Daishi_18, Taurus_19, LBerry_19, JHC117_19, GingkoMaracino_19, ACFishhook_19, SoilDragon_19, GtownJaz_19, Marie_19, Manu_20, Phranny_20, Grif_19, Tiffany_19, PurpleHaze_19, Penny1_19, EpicPhail_19, JeppNRM_20, Mainiac_19, Pembroke_19, Cullens_19, Aglet_19, Phoxy_19, MarQuardt_19, Watson_19, AugsMagnumOpus_21, Fernando_19, Sabia_19, Jobu08_19, Lilith_19, Marius_20, Soshari_21, Snickers_19, Reba_20
- Track 96 : Chiqui_16, MA5_17, BabyJohn_16
- Track 97 : HelDan_17, Isca_17, Kachowdy_17, Giroux_17, Bugatti_17, Idleandcovert_17, Marchesa_17, BabyRay_17, Rockstar_17, Puppy_18, Phantastic_17, Scout_17, B1_15, Pistachio_18, Heathen_17, MK4_17, TNguyen7_17, BlueBird_18, JF4_17, JF2_17, SaturnRing_17, DropBear_17
- Track 98 : Zetzy_18
- Track 99 : Fred313_17
- Track 100 : Abdiel_17, Scamp_17, Baby16_17, Spino_17, Roosevelt_17, Eurydice_17, Kremtemulon_17, Albee_17, Taquarus_17, Pipcraft_17, Maverick_17, Cocoaberry_17, Houdini22_17, Eagle_16, Commander_17, Rosa24_16, BellusTerra_17, Ulysses_16, SenorClean_16, Chaph_17, JetBlade_17, LHTSCC_18, Mazhar510_17, KFPoly_17, Medusa_17, Sabertooth_17, BangNhom_17, Iceman_18, Phacado_17, Peaches_17, Funston_17, Wizard007_17, Shaka_17, Deano_17, PeterPeter_17, Ohfah_17, Annyong_17, LeoAvram_17, Florean_17, MeeZee_17, ICleared_17, Eapen_17, Romney_17, Cerulean_18, Polymorphads_17, OKaNui_18, Gadost_17, Lunsford_18, NotAPhaseMom_17, Dhanush_17, LittleB_17, HamSlice_16, Koan_16, Bartimeaus_17, Blackmoor_17, Morrow_17, Bruiser_17, Happiness_17, Arturo_16, Eros_17, Burger_16, Clarenza_17, NorthStar_17, Iracema64_18, Flux_17, YoSam321_17, Jaykayelowell_17, Phontbonne_17, Sparxx_17, TiroTheta9_17, Maxo_17, Pumbaa_17, Kyee_17, JoongJeon_17, Melvin_17, Citius_17, LochMonster_17, Koreni_16, Cintron_17, Millski_17, Wilbur_17, Avle17_17, Bombshell_17, Phelipe_17, LittleGuy_17, Topanga_17, ChampagnePapi_18, Tinybot_16, Alberto7_18, Camperdownii_16, Thanksgivukkah_17, Ruin_17, LappelDuVide_17, Eris_17, Broseidon_17, Druantia_17, Lorenzo_17, Holli_17, Kratark_17, TygerBlood_17, Relief_17, Kingmustik0402_17, CentreCat_17, Obama12_18, Kampy_17, TinaFeyge_17, Nyxis_17, Nebs_17, Nemo27_17, Lemur_17, Edison31_17, Phighter1804_17, Wander_17, DirtyDunning_17, SheldonCooper_18, TroyPia_17, Caelakin_17, Skipitt_17
- Track 101 : Noelle_17, Miramae_17, Stasia_18, AvatarAhPeg_18, Stink_18
- Track 102 : BubbleTrouble_17, Connomayer_17, Palestino_17
- Track 103 : Huxley_17
- Track 104 : Backyardigan_17, Badger_17, Xena_17, Datway_17, Wile_17, Achebe_17

- Track 105 : Perplexer_17, Shygu2_17, Cindaradix_16, Bumblebee11_17, Cici_17, PetiteSangsue_17, Katalie136_17, Morpher26_17, AbbysRanger_17
- Track 106 : Mundrea_17
- Track 107 : Chadwick_15, Jabiru_14, PetterN_15, Naca_14
- Track 108 : Archetta_14, SydNat_14, Jovo_14, Phlorence_14, AgentM_14, PickleBack_14, Lev2_14, Ghoulboy_14, Bluefalcon_13, Zolita_13, Aragog_14
- Track 109 : Benedict_14, UnionJack_14, Airmid_14, ElTiger69_14
- Track 110 : ForGetIt_14, Milcery_14, Cuco_14, Twigg_14, Tarynearal_13, Midas2_14, Dublin_13, HuhtaEnerson15_14, Theia_13, Swirley_14, MarysWell_13, George_13, Discoknowium_14, Bonamassa_14, Conspiracy_14, Micasa_14, LittleCherry_14, Tiger_14, Coog_14
- Track 111 : Scorpia_15
- Track 112 : BlessJoy_21, Neeharika16_21, Wiks_21, Chartreuse_21, Cookiedough_21, Isiphiwo_21, JewelBug_21, CloudWang3_21, Pmask_21, GreedyLawyer_21, Jordennis_21, SmellyB_21, Newrala_21, Dorothea_21, DaVinci_21, SuperAwesome_21, Yokurt_21, Helmet_22, Candra_21, BABullseye_21, Kipper29_21, Priamo_21, WunderPhul_21, Temprado_22, EricB_21, Kazan_21, VohminGhazi_21, Zulu_21, Lilbunny_21, Hoot_21, Zaka_21, ToneTone_19, McFly_21, Garak_22
- Track 113 : SuperCallie99_21, Koko_21, Hammer_21, Tucker_21, Gladiator_21, Blue7_21, Rifter_21, Gruunaga_21, Jeffabunny_21
- Track 114 : Roksolana_21, Artemis2UCLA_21, Indra_21, Hexamo_21
- Track 115 : Blinn1_21
- Track 116 : FlyCatcher_21, Sheen_19, Toro_20
- Track 117 : DroogsArmy_18, Timshel_18
- Track 118 : HINdeR_17
- Track 119 : PP_27
- Track 120 : Dixon_14, Danforth_13, Smeadley_14, Expelliarmus_13, Phillis_14, NearlyHeadless_14, Saintus_14, Groundhog_13, Stephig9_14, Roary_14, Astro_14
- Track 121 : Beemo_19, Qobbit_19, Tubs_19, Phaeder_19, EdogawaKiddo_17, Priya_19, ExplosioNervosa_19, Horex_18, Ugenie5_16, Aliter_19, Scherzo_19, Fayely_19, Phonnegut_19, Pioneer_19, EmyBug_19, Eidsmoe_19, Lilleskat_17, Myxus_19, Hanray_18, Onglai_18, HortumSL17_19, Conquerage_19, Alma_19, Catalina_19, Jiawan_18, Spouty_19, Sachima_17, RyeScarlet_20, PackMan_19
- Track 122 : Arissanae_17
- Track 123 : DreamTeam1_18, Charm_18
- Track 124 : Rahalelujah_17
- Track 125 : Keziacharles14_17
- Track 126 : LoneWolf_19
- Track 127 : Vanisoa_17
- Track 128 : Yecey3_18
- Track 129 : Maminiaina_19, BogosyJay_19
- Track 130 : Darrell_20
- Track 131 : SheaKeira_18
- Track 132 : Toaka_17
- Track 133 : Elephantoon_19
- Track 134 : MidnightRain_10, Hillester_10, BlueShadow_10, RadFad_10
- Track 135 : BillyTP_10
- Track 136 : Lawnathon_10
- Track 137 : Persistence_9
- Track 138 : Vopal_11, SpicyFrank_10, YoungHarleezy_10
- Track 139 : Globfish_10

- Track 140 : MaterMagnus_10, Aikyam_10, Phrank15_9, Sakai_10, Gorpy_10, BenchScraper_10, Richie_10
- Track 141 : CookieBear_10, Raphaella_10, AdaS_10, Windest_11, Auxilium_10
- Track 142 : Sashimi_11
- Track 143 : Hestia_10
- Track 144 : Bhageatrice_12
- Track 145 : Faja_10, EvePickles_10
- Track 146 : Seahorse_11
- Track 147 : Anekin_9
- Track 148 : ThayneTheZag_10
- Track 149 : Shukran_10
- Track 150 : Isolde_11
- Track 151 : Tiff81_11
- Track 152 : SPB78_9
- Track 153 : VWB_8
- Track 154 : Espica_14, UhSalsa_14, Natosaleda_14, Gollum_14, RER2_7, Naiad_14, Belenaria_14, Phrankenstein_14, TWAMP_14, CosmicSans_14, Swann_14, Alatin_14, StCroix_14, Bradshaw_14, Lillie_14, Erik_14, RexFury_14, Nancinator_14, Rhodalysa_14
- Track 155 : Krishelle_14, Hiro_14, Harlequin_14, PhailMary_13, AppleCloud_12, Jester_14
- Track 156 : RGL3_7
- Track 157 : Bryce_14, Rasputin_14
- Track 158 : Yoncess_14, Dinger_14, AngryOrchard_13, Takoda_14, BobbyDazzler_14, Partridge_14, Shuman_14
- Track 159 : Alpacados_13, Bonanza_14, Yogi_14
- Track 160 : Jankie_9
- Track 161 : CallinAllBarbz_8, BaileyBlu_8
- Track 162 : Hum25_8
- Track 163 : AnnabelLee_10
- Track 164 : TMaxx_10
- Track 165 : Audell_13

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

The start number called the most often in the published annotations is 14, it was called in 770 of the 826 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_18, 40AC_21, A6_15, ACFishhook_19, AFIS_17, AN3_18, AN9_21, ANI8_21, AbbyPaige_20, AbbysRanger_17, Abbyshoes_18, Abdiel_17, Abrogate_180, Achebe_17, Acme_19, Acolyte_18, AdaS_10, Adahisdi_18, Adzzy_19, Aeneas_19, Agaliana_17, Agape74_20, Aglet_19, AgronaGT15_19, Aikyam_10, Ajay_17, Alatin_14, Albee_17, Alberto7_18, Aliter_19, Alma_19, Alpacados_13, Alsfro_21, Altman_19, Alvin_18, Anaysia_20, Aneem_18, Anekin_9, Anglerfish_18, AngryOrchard_13, AnnaL29_21, AnnabelLee_10, Annyong_17, Anon_18, Anselm_18, Anthony_17, Anubis_21, AppleCloud_12, Applejack_17, Arcanine_18, ArcherNM_20, Arissanae_17, Arlo_16, Artemis2UCLA_21, Arturo_16, Ashballer_16, Atkinbua_18, Audell_13, AugsMagnumOpus_21, Auxilium_10, AvatarAhPeg_18, Avle17_17, B1_15, BABullseye_21, BK1_15, BPBiabs31_18, Baby16_17,

BabyBack_20, BabyJohn_16, BabyRay_17, Bachome_18, Backyardigan_17, BaconJack_19, Bactobuster_19, Badger_17, Baehexic_19, BaileyBlu_8, BangNhom_17, Barriga_17, Bartimeaus_17, Battleship_21, Beatrix_16, Beauxregard13_19, Beemo_19, BeesKnees_18, Belenaria_14, BellusTerra_17, BenchScraper_10, BengiVuitton_19, Benvolio_18, Bethlehem_17, Bexan_16, Bhageatrice_12, BiancaTri92_20, Big3_17, BigMau_19, BigPaolini_18, Bigfoot_16, BillyTP_10, Bircsak_17, Blackmoor_17, BlessJoy_21, Blinn1_21, BluSpix_17, Blue7_21, BlueBird_18, BlueShadow_10, Blue_17, Bob3_16, BobSwaget_21, BobbyDazzler_14, BogosyJay_19, Bombshell_17, Bonanza_14, Bones_17, Boohoo_20, Bowtie_18, Bradman_17, Bradshaw_14, BreSam8_19, Briton15_19, Broseidon_17, Bruiser_17, Brunns_16, Bryce_14, BubbleTrouble_17, Bud_18, Bugatti_17, Buggy_20, Bumblebee11_17, Burger_16, Burton_18, Buttons_18, BuzzBuzz_18, Bxz2_19, C3_16, CRB1_18, CactusRose_16, Caelakin_17, CallinAllBarbz_8, Calvinny_20, Camperdownii_16, Candra_21, Caraxes_17, Carlyle_19, Catalina_19, Caviar_18, Centaur_20, CentreCat_17, Cerulean_18, ChampagnePapi_18, Chanagan_16, Changeling_21, Chaph_17, Chargerpower_18, Charm_18, Chartreuse_21, Che12_20, ChipMunk_20, Chiqui_16, Chupacabra_17, Ciao_17, Cici_17, Cindaradix_16, Cintron_17, Citius_17, Clarenza_17, CloudWang3_21, Cocoaberry_17, Colbster_19, Colin_22, Commander_17, Conceptll_18, Connomayer_17, Conquerage_19, CookieBear_10, Cookiedough_21, Corvo_17, CosmicSans_14, Crispicous1_16, Crucio_18, Cueyllyss_17, Cullens_19, D29_19, D32_21, DBQu4n_21, DD5_18, DaHudson_19, DaVinci_21, Daishi_18, Dalmatian_18, Darrell_20, DarthPhader_19, Datway_17, Deano_17, DekHockey33_20, Deloris_19, Dexes_18, Dhanush_17, Dieselweasel_19, Dignity_20, Dinger_14, DirtyDunning_17, DontArgue_16, Doom_18, Dorothea_21, DrFeelGood_16, Drake55_20, Drake94_16, DreamCatcher_20, DreamTeam1_18, Dreamboat_18, DroogsArmy_18, DropBear_17, Druantia_17, DudeLittle_18, Dulcie_16, Duplo_21, Dussy_18, DustyMartin_20, Dynamix_18, EZMoney23_22, EagleEye_20, Eagle_16, Eaglepride_18, Eapen_17, Ebony_18, Echild_18, Edison31_17, EdogawaKiddo_17, Edtherson_18, Eidsmoe_19, Elephantoon_19, EmyBug_19, EpicPhail_19, Epsocamisio_20, Equemioh13_20, EricB_21, Erik_14, Eris_17, Eros_17, Espica_14, Espresso_17, Et2Brutus_17, Euphoria_17, Eurydice_17, EvePickles_10, EvilGenius_20, ExplosioNervosa_19, Eyeball_17, Faja_10, Fajezeel_19, Fameo_18, Farber_19, Fascinus_16, Fayely_19, Fenn_18, Fernando_19, Fibonacci_18, FiringLine_18, First_0018, Flare16_18, Flaverint_18, Florean_17, Flux_17, FlyCatcher_21, Forsytheast_16, Francis47_17, Fred313_17, Froghopper_18, Funston_17, Fushigi_18, GMonster_16, Gadost_17, GageAP_19, Gail_17, Gandalf20_18, Garak_22, GaugeLDP_20, Gemma_19, Georgie2_19, Gilberta_18, GingkoMaracino_19, Giroux_17, Gladiator_21, Globfish_10, Gollum_14, Gompeii16_17, Goose_17, Gorpy_10, Graduation_19, GrecoEtereo_18, GreedyLawyer_21, Greg_19, Grif_19, Groupthink_20, Grub_19, Grum1_19, Gruunaga_21, GtownJaz_19, Gwendoluna_19, Gyzlar_19, HINdeR_17, HamSlice_16, Hami1_19, Hammer_21, HanShotFirst_17, Hanray_18, Happiness_17, Harlequin_14, HarryHoudini_20, HarryOW_18, HashRod_20, HaveUMetTed_20, Heathen_17, Heffalump_20, HelDan_17, Heliosoles_19, Helmet_22, Herbertwm_15, Hercules11_19, HermioneGrange_17, Hestia_10, Hexamo_21, Hillester_10, Hiro_14, Horex_18, Holli_17, Homines_17, Hookmount_18, Hoot_21, Hope4ever_17, HortumSL17_19, Houdini22_17, Hum25_8, Hutc2_18, Huxley_17, ICleared_17, ILeeKay_19, Iceman_18, Ichabod_18, Idleandcovert_17, IgnatiusPatJac_16, Indra_21, Insomnia_18, Inyanga_16, Iracema64_18, IronMan_20, Isca_17, Isiphiwo_21, Isolde_11, Iwokeuplikedis_19, JC27_19, JF2_17, JF4_17, JHC117_19, JSwag_20, Jaan_21, Jabith_18, JackSparrow_18, Jankie_9, Jasper_18, Jaykayelowell_17, Jeeves_17, Jeffabunny_21, JenCasNa_19, JeppNRM_20,

Jerm2_18, Jerm_20, Jester_14, JetBlade_17, JewelBug_21, Jiawan_18, Jobu08_19, JoongJeon_17, Jordennis_21, Jorgensen_17, Joselito_18, JoshKayV_20, Journey13_16, Jsquared_17, JuliaChild_19, KADY_20, KBG_18, KFPoly_17, KSSJEB_17, Kachowdy_17, Kalb97_20, Kalnoky_20, Kalpine_21, Kampy_17, Kanely_18, Katalie136_17, KatherineG_20, Kazan_21, Kenmech_20, Kerberos_21, Keziacharles14_17, Killigrew_15, Kimona_14, KingCyrus_20, Kingmustik0402_17, Kinmap_17, Kipper29_21, KittenMittens_16, Koan_16, Koduck_18, Koko_21, Koreni_16, Kratak_17, Kremtemulon_17, Krishelle_14, Kristoff_18, KyMonks1A_19, Kyee_17, L5_19, LBerry_19, LHTSCC_18, LadyBird_18, Lambert1_18, Lamina13_17, Landor_19, LappelDuVide_17, Larenn_19, LarryKay_19, LastResort_20, Lawnathon_10, Lemur_17, LeoAvram_17, Leogania_20, Lesedi_16, Leviathan_20, Licorice_19, LilBib_18, LiITurb_20, Lilbunny_21, Lilith_19, Lilleskat_17, Lillie_14, LittleB_17, LittleGuy_17, LochMonster_17, Lockley_17, Lokk_21, LoneWolf_19, Looper_21, Lopton_18, Lorenzo_17, Loser_21, Louie6_19, Luchador_19, Lucivia_18, Lucyedi_19, LugYA_21, Lunsford_18, MA5_17, MK4_17, MPlant7149_16, MaCh_18, Mabel_18, MadMarie_19, Magnar_17, Magnito_16, Mainiac_19, MajorMajor_17, Makemake_17, Malec_19, Malinsilva_21, Maminiaina_19, Manatee_18, Manu_20, MarQuardt_19, Marcell_17, Marchesa_17, Marchy_16, Marge_18, Margo_18, Marie_19, Marius_20, Maroc7_16, Marsha_17, MaryBeth_17, MaterMagnus_10, Maverick_17, Maxo_17, Mazhar510_17, McFly_21, McGuire_18, Medusa_17, MeeZee_17, Melvin_17, MetalQZJ_17, Methuselah_19, Michley_17, Microwolf_19, MiculUcigas_18, MidnightRain_10, Miko_21, Millski_17, MinecraftSteve_21, Miramae_17, Misomonster_21, MissWhite_18, Mkhusei_18, Molly_18, Monet_19, MoneyMay_19, Moose_16, Morpher26_17, Morrow_17, MrGordo_17, Mryolo_16, MuchMore_21, Mulciber_18, Mule_17, Munch_18, Mundrea_17, Museum_19, MyraDee_15, Myxus_19, NEHalo_17, NaSiaTalie_18, Naiad_14, Naira_18, Naji_21, Nancinator_14, Natosaleda_14, Nebs_17, Nebulosus_20, Nedarya_19, Neeharika16_21, Nemo27_17, Nerujay_18, Newrala_21, Nhonho_17, NicoleTera_22, Niza_19, Noella_18, Noelle_17, Norbert_17, NorthStar_17, Norz_19, NotAPhaseMom_17, NothingSpecial_20, Nyxis_17, OKCentral2016_17, OKaNui_18, Obama12_18, Odin_17, Ohfah_17, Ohno789_17, OlanP_19, Ollie_19, Onglai_18, Oofda_21, Oogway_16, Orange_18, P28Green_19, PGHhamlin_21, PP_27, PSullivan_19, PacerPaul_17, PackMan_19, PainterBoy_19, Palestino_17, Panamaxus_18, Papez_19, Paphu_16, Paraselene_16, Pari_18, Parliament_16, Partridge_14, PascalRango_16, PattyP_19, Pawn_19, Payneful_17, PeaceMeal1_16, Peaches_17, Pelly_18, Pembroke_19, Penny1_19, Pepe_18, Perplexer_17, Perseus_18, Persistence_9, PeterPeter_17, Petersenfast_17, Peterson_20, PetiteSangsue_17, Petp2012_19, Petruccio_17, Ph8s_19, Phacado_17, Phaded_21, Phaeder_19, PhailMary_13, Phantastic_17, Pharaoh_18, Felipe_17, PherrisBueller_18, Phighter1804_17, PhishRPhriends_18, Phlei_13, Phoebe_19, Phonnegut_19, Phontbonne_17, Phoxy_19, Phrank15_9, Phrankenstein_14, Phranny_20, PhrostyMug_17, PinkPlastic_16, Pinto_19, Pioneer_19, Pipcraft_17, Pippin_19, Piro94_19, Pistachio_18, Pita2_19, Pmask_21, Pocahontas_18, Polymorphads_17, Pomar16_21, Poompha_16, Popcicle_18, PotatoSplit_20, Power_18, Priamo_21, Priya_19, ProMouse_16, Pukovnik_20, Pumbaa_17, Puppy_18, PurpleHaze_19, QTRLifeCrisis_17, Qobbit_19, QueenB2_18, QueenBeesly_18, QuinnKiro_17, Quokka_16, RER2_7, RGL3_7, Rachaly_21, RadFad_10, Rahalelujah_17, Raid_18, Rajelicia_17, Raphaella_10, Rasputin_14, ReMo_20, Reba_20, Rebeuca_18, RedRock_21, Refuge_21, Relief_17, Remus_20, ResDef_18, Retro23_18, RexFury_14, Rhodalysa_14, RhynO_18, Rhynn_17, Richie_10, RidgeCB_17, Rifter_21, Ringer_17, Rockstar_17, Rohr_18, Roksolana_21, Romney_17, Roosevelt_17, Rosa24_16, Rosalind_20, Rowdy_20, Rubeus_18, Rufus_18, Ruin_17, Rummer_19, Ruotula_16, Rutherford_19,

RyeScarlet_20, STLscum_18, Sabertooth_17, Sabia_19, Sabinator_19, Sachima_17, Sagefire_18, Sakai_10, Salz_18, Sandaddy_16, Sanya_16, SarFire_17, Sashimi_11, SaturnRing_17, Scamp_17, Scherzo_19, Scout_17, Scowl_18, Seabiscuit_19, Seahorse_11, Seanderson_18, SemperFi_20, SenorClean_16, Serenity_17, Severus_16, Shaka_17, Sham4_18, Shapes_20, ShayRa_21, SheaKeira_18, Sheen_19, SheldonCooper_18, ShortQueendom_16, Shukran_10, Shuman_14, Shygu2_17, Sibs6_19, SkiPole_19, Skipitt_17, Sknot_19, Slagathor_18, Smairt_18, Smeagan_20, Smeagol_19, SmellyB_21, SnapTap_18, Snape_18, Snazzy_15, Snickers_19, SoYo_19, SoilDragon_19, Solon_17, Sorpresa_17, Soshari_21, Soups_20, Sparxx_17, Spike509_19, SpikeBT_19, Spino_17, Spouty_19, Squee_18, StCroix_14, Stagni_19, StarStuff_21, Stasia_18, Steamy_19, StepMih_19, StewieG_16, Stink_18, StrongArm_16, Strosahl_20, Sumter_16, Sunhee_16, Sunshine924_16, SuperAwesome_21, SuperCallie99_21, Superchunk_17, Swann_14, SweetiePie_18, SwirlSquare_20, SwissCheese_17, Switzer_18, Switzerland_20, Swole_19, TMaxx_10, TNguyen7_17, TWAMP_14, Takoda_14, Taquarus_17, TarsusIV_18, Tasp14_18, Taurus_19, Temprado_22, Teodoridan_15, Texage_17, Thanksgivukkah_17, ThayneTheZag_10, TheloniousMonk_19, Thor_17, Tiff81_11, Tiffany_19, Timothy_18, Timshel_18, TinaFeyge_17, TinyPebbles_19, TinyTimmy_18, Tinybot_16, TopsytheTRex_17, TiroTheta9_17, Toaka_17, Todacoro_18, Tomathan_21, ToneTone_19, Topanga_17, Topgun_17, Toro_20, Tote_19, Trafft412_19, Travvers_21, Treddle_19, Trike_15, Tripl3t_18, Trixie_21, Trooper_18, Trouble_17, TroyPia_17, Tubs_19, Tucker_21, Turbido_20, Turj99_16, Twister_17, TwoPeat_18, TygerBlood_17, U2_17, Ugenie5_16, UhSalsa_14, Ulysses_16, Updawg_20, VA6_18, VC3_21, Vanisoa_17, Veracruz_17, Violet_16, Vix_19, VohminGhazi_21, Waits_20, WalterMcMickey_17, Wander_17, Warrior24_21, Watermelon_19, Watson_19, WeiHuaDA_24, Whabigail7_20, Wheeler_17, WideWale_20, Wiks_21, Wilbur_17, Wile_17, Wilkins_17, Windest_11, Wizard007_17, Wooldri_21, WunderPhul_21, Xena_17, XianYue_18, Yecey3_18, YoSam321_17, Yogi_14, Yokurt_21, Yoncess_14, Zaka_21, Zeeculate_16, Zephyr_17, Zetzy_18, Zeuska_18, Zimmer_20, Zulu_21,

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

- Hermia_19, SpicyFrank_10, Vopal_11, YoungHarleezy_10,

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

- AgentM_14, Airmid_14, Aragog_14, Archetta_14, Astro_14, Benedict_14, BillKnuckles_17, Bluefalcon_13, Bonamassa_14, Bxb1_15, Chadwick_15, Conspiracy_14, Coog_14, Cuco_14, Danforth_13, Discoknowium_14, Dixon_14, Dublin_13, EITiger69_14, Expelliarmus_13, ForGetIt_14, George_13, Ghoulboy_14, Groundhog_13, HuhtaEnerson15_14, Jabiru_14, Jovo_14, Kugel_17, Kykar_14, Lev2_14, LittleCherry_14, MarysWell_13, Micasa_14, Midas2_14, Milcery_14, Naca_14, NearlyHeadless_14, PetterN_15, Phillis_14, Phlorence_14, PickleBack_14, Roary_14, SPB78_9, Saintus_14, Scorpia_15, Smeadley_14, SororFago_17, Stephig9_14, Swirley_14, SydNat_14, Target_18, Tarynearl_13, Theia_13, Tiger_14, Twigg_14, UnionJack_14, VWB_8, Zolita_13,

Summary by start number:

Start 8:

- Found in 5 of 919 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 826
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Kugel_17 (A1),

Start 12:

- Found in 6 of 919 (0.7%) of genes in pham
- Manual Annotations of this start: 5 of 826
- Called 83.3% of time when present
- Phage (with cluster) where this start called: BillKnuckles_17 (A1), Bxb1_15 (A1), Kykar_14 (A1), SororFago_17 (A14), Target_18 (A1),

Start 13:

- Found in 50 of 919 (5.4%) of genes in pham
- Manual Annotations of this start: 49 of 826
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AgentM_14 (A5), Airmid_14 (A5), Aragog_14 (A5), Archetta_14 (A5), Astro_14 (A8), Benedict_14 (A5), Bluefalcon_13 (A5), Bonamassa_14 (A5), Chadwick_15 (A5), Conspiracy_14 (A5), Coog_14 (A5), Cuco_14 (A5), Danforth_13 (A8), Discoknowium_14 (A5), Dixon_14 (A8), Dublin_13 (A5), EITiger69_14 (A5), Expelliarmus_13 (A8), ForGetIt_14 (A5), George_13 (A5), Ghoulyboy_14 (A5), Groundhog_13 (A8), HuhtaEnerson15_14 (A5), Jabiru_14 (A5), Jovo_14 (A5), Lev2_14 (A5), LittleCherry_14 (A5), MarysWell_13 (A5), Micasa_14 (A5), Midas2_14 (A5), Milcery_14 (A5), Naca_14 (A5), NearlyHeadless_14 (A8), PetterN_15 (A5), Phillis_14 (A8), Phlorence_14 (A5), PickleBack_14 (A5), Roary_14 (A8), Saintus_14 (A8), Scorpia_15 (A5), Smeadley_14 (A8), StepHig9_14 (A8), Swirley_14 (A5), SydNat_14 (A5), Tarynearal_13 (A5), Theia_13 (A5), Tiger_14 (A5), Twigg_14 (A5), UnionJack_14 (A5), Zolita_13 (A5),

Start 14:

- Found in 861 of 919 (93.7%) of genes in pham
- Manual Annotations of this start: 770 of 826
- Called 99.5% of time when present
- Phage (with cluster) where this start called: 20ES_18 (A2), 40AC_21 (A17), A6_15 (A1), ACFishhook_19 (A3), AFIS_17 (A1), AN3_18 (A2), AN9_21 (A2), ANI8_21 (A2), AbbyPaige_20 (A2), AbbysRanger_17 (A4), Abbysshoes_18 (A1), Abdiel_17 (A4), Abrogate_180 (A1), Achebe_17 (A4), Acme_19 (A1), Acolyte_18 (A2), AdaS_10 (AY), Adahisdi_18 (A1), Adzzy_19 (A2), Aeneas_19 (A1), Agaliana_17 (A1), Agape74_20 (A2), Aglet_19 (A3), AgronaGT15_19 (A3), Aikyam_10 (AY), Ajay_17 (A1), Alatin_14 (CA), Albee_17 (A4), Alberto7_18 (A4), Aliter_19 (A9), Alma_19 (A9), Alpacados_13 (CA), Alsfro_21 (A1), Altman_19 (A1), Alvin_18 (A1), Anaysia_20 (A15), Aneem_18 (A11), Anekin_9 (AY), Anglerfish_18 (A1), AngryOrchard_13 (CA), AnnaL29_21 (A2), AnnabelLee_10 (FR), Annyong_17 (A4), Anon_18 (A15), Anselm_18 (A2), Anthony_17 (A20), Anubis_21 (A3), AppleCloud_12 (CA), Applejack_17 (A1), Arcanine_18 (A1), ArcherNM_20 (A2), Arissanae_17 (A9), Arlo_16 (A1), Artemis2UCLA_21 (A6), Arturo_16 (A4), Ashballer_16 (A1), Atkinbua_18 (A1), Audell_13 (FR), AugsMagnumOpus_21 (A3), Auxilium_10 (AY), AvatarAhPeg_18 (A4), Avle17_17 (A4), B1_15 (A3), BABullseye_21 (A6), BK1_15 (A1), BPBiebs31_18 (A1), Baby16_17 (A4), BabyBack_20 (A2), BabyJohn_16 (A3), BabyRay_17 (A3), Bachome_18 (A11), Backyardigan_17 (A4), BaconJack_19 (A1), Bactobuster_19 (A2), Badger_17 (A4), Baehexic_19 (A2), BaileyBlu_8 (FP), BangNhom_17 (A4), Barriga_17 (A1), Bartimeaus_17 (A4), Battleship_21 (A15), Beatrix_16 (A1), Beauxregard13_19 (A3), Beemo_19 (A9), BeesKnees_18 (A1), Belenaria_14 (CA), BellusTerra_17 (A4), BenchScraper_10 (AY), BengiVuitton_19 (A2), Benvolio_18 (A2), Bethlehem_17 (A1), Bexan_16 (A1), Bhageatrice_12 (AY), BiancaTri92_20 (A2), Big3_17 (A1), BigMau_19 (A1), BigPaolini_18 (A1), Bigfoot_16 (A1), BillyTP_10 (AY), Bircsak_17 (A1), Blackmoor_17 (A4), BlessJoy_21 (A6), Blinn1_21 (A6),

BluSpix_17 (A1), Blue7_21 (A6), BlueBird_18 (A3), BlueShadow_10 (AY), Blue_17 (A1), Bob3_16 (A1), BobSwaget_21 (A2), BobbyDazzler_14 (CA), BogosyJay_19 (A9), Bombshell_17 (A4), Bonanza_14 (CA), Bones_17 (A1), Boohoo_20 (A15), Bowtie_18 (A11), Bradman_17 (A2), Bradshaw_14 (CA), BreSam8_19 (A3), Briton15_19 (A1), Broseidon_17 (A4), Bruiser_17 (A4), Bruns_16 (A1), Bryce_14 (CA), BubbleTrouble_17 (A4), Bud_18 (A11), Bugatti_17 (A3), Buggy_20 (A2), Bumblebee11_17 (A4), Burger_16 (A4), Burton_18 (A1), Buttons_18 (A1), BuzzBuzz_18 (A3), Bxz2_19 (A3), C3_16 (A2), CRB1_18 (A2), CactusRose_16 (A1), Caelakin_17 (A4), CallinAllBarbz_8 (FP), Calvinny_20 (A3), Camperdownii_16 (A4), Candra_21 (A6), Caraxes_17 (A2), Carlyle_19 (A1), Catalina_19 (A9), Caviar_18 (A3), Centaur_20 (A2), CentreCat_17 (A4), Cerulean_18 (A4), ChampagnePapi_18 (A4), Chanagan_16 (A1), Changeling_21 (A2), Chaph_17 (A4), Chargerpower_18 (A), Charm_18 (A9), Chartreuse_21 (A6), Che12_20 (A2), ChipMunk_20 (A2), Chiqui_16 (A3), Chupacabra_17 (A10), Ciao_17 (A1), Cici_17 (A4), Cindaradix_16 (A4), Cintron_17 (A4), Citius_17 (A4), Clarenza_17 (A4), CloudWang3_21 (A6), Cocoaberry_17 (A4), Colbster_19 (A3), Colin_22 (A2), Commander_17 (A4), Conceptll_18 (A1), Connomayer_17 (A4), Conquerage_19 (A9), CookieBear_10 (AY), Cookiedough_21 (A6), Corvo_17 (A1), CosmicSans_14 (CA), Crispicous1_16 (A1), Crucio_18 (A2), Cueyllyss_17 (A1), Cullens_19 (A3), D29_19 (A2), D32_21 (A2), DBQu4n_21 (A2), DD5_18 (A1), DaHudson_19 (A3), DaVinci_21 (A6), Daishi_18 (A3), Dalmatian_18 (A2), Darrell_20 (A9), DarthPhader_19 (A12), Datway_17 (A4), Deano_17 (A4), DekHockey33_20 (A15), Deloris_19 (A2), Dexes_18 (A1), Dhanush_17 (A4), Dieselweasel_19 (A3), Dignity_20 (A2), Dinger_14 (CA), DirtyDunning_17 (A4), DontArgue_16 (A10), Doom_18 (A1), Dorothea_21 (A6), DrFeelGood_16 (A1), Drake55_20 (A2), Drake94_16 (A10), DreamCatcher_20 (A1), DreamTeam1_18 (A9), Dreamboat_18 (A1), DroogsArmy_18 (A7), DropBear_17 (A3), Druantia_17 (A4), DudeLittle_18 (A2), Dulcie_16 (A1), Duplo_21 (A2), Dussy_18 (A1), DustyMartin_20 (A10), Dynamix_18 (A1), EZMoney23_22 (A2), EagleEye_20 (A16), Eagle_16 (A4), Eaglepride_18 (A10), Eapen_17 (A4), Ebony_18 (A11), Echild_18 (A2), Edison31_17 (A10), EdogawaKiddo_17 (A9), Edtherson_18 (A1), Eidsmoe_19 (A9), Elephantoon_19 (A9), EmyBug_19 (A9), EpicPhail_19 (A3), Epsocamisio_20 (A15), Equemioh13_20 (A2), EricB_21 (A6), Erik_14 (CA), Eris_17 (A4), Eros_17 (A4), Espica_14 (CA), Espresso_17 (A1), Et2Brutus_17 (A11), Euphoria_17 (A1), Eurydice_17 (A4), EvePickles_10 (AY), EvilGenius_20 (A2), ExplosioNervosa_19 (A9), Eyeball_17 (A1), Faja_10 (AY), Fajezeel_19 (A1), Fameo_18 (A2), Farber_19 (A3), Fascinus_16 (A1), Fayely_19 (A9), Fenn_18 (A1), Fernando_19 (A3), Fibonacci_18 (A11), FiringLine_18 (A2), First_0018 (A2), Flare16_18 (A2), Flaverint_18 (A11), Florean_17 (A4), Flux_17 (A4), FlyCatcher_21 (A7), Forsytheast_16 (A1), Francis47_17 (A1), Fred313_17 (A3), FrogHopper_18 (A1), Funston_17 (A4), Fushigi_18 (A1), GMonster_16 (A1), Gadost_17 (A4), GageAP_19 (A1), Gail_17 (A14), Gandalf20_18 (A1), Garak_22 (A6), GaugeLDP_20 (A2), Gemma_19 (A3), Georgie2_19 (A2), Gilberta_18 (A11), GingkoMaracino_19 (A3), Giroux_17 (A3), Gladiator_21 (A6), Globfish_10 (AY), Gollum_14 (CA), Gompeii16_17 (A1), Goose_17 (A10), Gorpy_10 (AY), Graduation_19 (A1), GrecoEtereo_18 (A1), GreedyLawyer_21 (A6), Greg_19 (A1), Grif_19 (A3), Groupthink_20 (A3), Grub_19 (A3), Grum1_19 (A3), Gruunaga_21 (A6), GtownJaz_19 (A3), Gwendoluna_19 (A1), Gyzlar_19 (A1), HINdeR_17 (A7), HamSlice_16 (A4), Hami1_19 (A1), Hammer_21 (A6), HanShotFirst_17 (A1), Hanray_18 (A9), Happiness_17 (A4), Harlequin_14 (CA), HarryHoudini_20 (A2), HarryOW_18 (A1), HashRod_20 (A3), HaveUMetTed_20 (A3), Heathen_17 (A3), Heffalump_20 (A2), HelDan_17 (A3), Heliosoles_19 (A3), Helmet_22 (A6), Herbertwm_15 (A2), Hercules11_19 (A3), HermioneGrange_17 (A1), Hestia_10 (AY), Hexamo_21 (A6), Hillester_10 (AY), Hiro_14 (CA), Holey_18 (A9), Holli_17 (A4),

Homines_17 (A1), Hookmount_18 (A3), Hoot_21 (A6), Hope4ever_17 (A1), HortumSL17_19 (A9), Houdini22_17 (A4), Hum25_8 (FQ), Hutc2_18 (A11), Huxley_17 (A4), ICleared_17 (A4), ILeeKay_19 (A1), Iceman_18 (A4), Ichabod_18 (A1), Idleandcovert_17 (A3), IgnatiusPatJac_16 (A1), Indra_21 (A6), Insomnia_18 (A11), Inyanga_16 (A1), Iracema64_18 (A4), IronMan_20 (A2), Isca_17 (A3), Isiphiwo_21 (A6), Isolde_11 (AY), Iwokeuplikedis_19 (A2), JC27_19 (A1), JF2_17 (A3), JF4_17 (A3), JHC117_19 (A3), JSwag_20 (A15), Jaan_21 (A2), Jabith_18 (A11), JackSparrow_18 (A1), Jankie_9 (FP), Jasper_18 (A1), Jaykayelowell_17 (A4), Jeeves_17 (A14), Jeffabunny_21 (A6), JenCasNa_19 (A3), JeppNRM_20 (A3), Jerm2_18 (A1), Jerm_20 (A2), Jester_14 (CA), JetBlade_17 (A4), JewelBug_21 (A6), Jiawan_18 (A9), Jobu08_19 (A3), JoongJeon_17 (A4), Jordennis_21 (A6), Jorgensen_17 (A1), Joselito_18 (A11), JoshKayV_20 (A2), Journey13_16 (A2), Jsquared_17 (A2), JuliaChild_19 (A1), KADY_20 (A3), KBG_18 (A1), KFPoly_17 (A4), KSSJEB_17 (A1), Kachowdy_17 (A3), Kalb97_20 (A3), Kalnoky_20 (A3), Kalpine_21 (A2), Kampy_17 (A4), Kanely_18 (A1), Katalie136_17 (A4), KatherineG_20 (A15), Kazan_21 (A6), Kenmech_20 (A1), Kerberos_21 (A2), Keziacharles14_17 (A9), Killigrew_15 (A1), Kimona_14 (A19), KingCyrus_20 (A2), Kingmustik0402_17 (A4), Kinmap_17 (A21), Kipper29_21 (A6), KittenMittens_16 (A10), Koan_16 (A4), Koduck_18 (A2), Koko_21 (A6), Koreni_16 (A4), Kratak_17 (A4), Kremtemulon_17 (A4), Krishelle_14 (CA), Kristoff_18 (A10), KyMonks1A_19 (A1), Kyee_17 (A4), L5_19 (A2), LBerry_19 (A3), LHTSCC_18 (A4), LadyBird_18 (A2), Lambert1_18 (A3), Lamina13_17 (A1), Landor_19 (A2), LappelDuVide_17 (A4), Larenn_19 (A2), LarryKay_19 (A3), LastResort_20 (A15), Lawnathon_10 (AY), Lemur_17 (A4), LeoAvram_17 (A4), Leogania_20 (A2), Lesedi_16 (A1), Leviathan_20 (A2), Licorice_19 (A1), LilBib_18 (A1), LilTurb_20 (A2), Lilbunny_21 (A6), Liliith_19 (A3), Lilleskat_17 (A9), Lillie_14 (CA), LittleB_17 (A4), LittleGuy_17 (A4), LochMonster_17 (A4), Lockley_17 (A1), Lokk_21 (A2), LoneWolf_19 (A9), Looper_21 (A15), Lopton_18 (A1), Lorenzo_17 (A4), Loser_21 (A2), Louie6_19 (A3), Luchador_19 (A14), Lucivia_18 (A11), Lucyedi_19 (A16), LugYA_21 (A3), Lunsford_18 (A4), MA5_17 (A3), MK4_17 (A3), MPlant7149_16 (A1), MaCh_18 (A11), Mabel_18 (A11), MadMarie_19 (A3), Magnar_17 (A1), Magnito_16 (A1), Mainiac_19 (A3), MajorMajor_17 (A2), Makemake_17 (A1), Malec_19 (A2), Malinsilva_21 (A3), Maminiaina_19 (A9), Manatee_18 (A1), Manu_20 (A3), MarQuardt_19 (A3), Marcell_17 (A1), Marchesa_17 (A3), Marchy_16 (A1), Marge_18 (A1), Margo_18 (A3), Marie_19 (A3), Marius_20 (A3), Maroc7_16 (A1), Marsha_17 (A1), MaryBeth_17 (A1), MaterMagnus_10 (AY), Maverick_17 (A4), Maxo_17 (A4), Mazhar510_17 (A4), McFly_21 (A6), McGuire_18 (A1), Medusa_17 (A4), MeeZee_17 (A4), Melvin_17 (A4), MetaQZJ_17 (A1), Methuselah_19 (A3), Michley_17 (A1), Microwolf_19 (A3), MiculUcigas_18 (A2), MidnightRain_10 (AY), Miko_21 (A2), Millski_17 (A4), MinecraftSteve_21 (A15), Miramae_17 (A4), Misomonster_21 (A3), MissWhite_18 (A2), Mkhusele_18 (A1), Molly_18 (A1), Monet_19 (A1), MoneyMay_19 (A3), Moose_16 (A1), Morpher26_17 (A4), Morrow_17 (A4), MrGordo_17 (A1), Mryolo_16 (A1), MuchMore_21 (A3), Mulciber_18 (A11), Mule_17 (A1), Munch_18 (A11), Mundrea_17 (A4), Museum_19 (A1), MyraDee_15 (A18), Myxus_19 (A9), NEHalo_17 (A1), NaSiaTalie_18 (A2), Naiad_14 (CA), Naira_18 (A1), Naji_21 (A2), Nancinator_14 (CA), Natosaleda_14 (CA), Nebs_17 (A4), Nebulosus_20 (A15), Nedarya_19 (A15), Neeharika16_21 (A6), Nemo27_17 (A4), Nerujay_18 (A1), Newrala_21 (A6), Nhonho_17 (A1), NicoleTera_22 (A2), Niza_19 (A1), Noella_18 (A3), Noelle_17 (A4), Norbert_17 (A3), NorthStar_17 (A4), Norz_19 (A1), NotAPhaseMom_17 (A4), NothingSpecial_20 (A2), Nyxis_17 (A4), OKCentral2016_17 (A10), OKaNui_18 (A4), Obama12_18 (A4), Odin_17 (A2), Ohfah_17 (A4), Ohno789_17 (A1), OlanP_19 (A3), Ollie_19 (A3), Onglai_18 (A9), Oofda_21 (A15), Oogway_16 (A1), Orange_18 (A11), P28Green_19 (A3),

PGHhamlin_21 (A3), PP_27 (A7), PSullivan_19 (A1), PacerPaul_17 (A1), PackMan_19 (A9), PainterBoy_19 (A16), Palestino_17 (A4), Panamaxus_18 (A3), Papez_19 (A1), Paphu_16 (A1), Paraselene_16 (A1), Pari_18 (A1), Parliament_16 (A1), Partridge_14 (CA), PascalRango_16 (A1), PattyP_19 (A1), Pawn_19 (A3), Payneful_17 (A1), PeaceMeal1_16 (A10), Peaches_17 (A4), Pelly_18 (A1), Pembroke_19 (A3), Penny1_19 (A3), Pepe_18 (A1), Perplexer_17 (A4), Perseus_18 (A1), Persistence_9 (AY), PeterPeter_17 (A4), Petersenfast_17 (A11), Peterson_20 (A1), PetiteSangsue_17 (A4), Petp2012_19 (A1), Petruccio_17 (A1), Ph8s_19 (A2), Phacado_17 (A4), Phaded_21 (A2), Phaeder_19 (A9), PhailMary_13 (CA), Phantastic_17 (A3), Pharaoh_18 (A12), Phelipe_17 (A4), PherrisBueller_18 (A1), Phighter1804_17 (A4), PhishRPhriends_18 (A3), Phlei_13 (A13), Phoebe_19 (A3), Phonnegut_19 (A9), Phontbonne_17 (A4), Phoxy_19 (A3), Phrank15_9 (AY), Phrankenstein_14 (CA), Phranny_20 (A3), PhrostyMug_17 (A1), PinkPlastic_16 (A1), Pinto_19 (A1), Pioneer_19 (A9), Pipcraft_17 (A4), Pippin_19 (A1), Piro94_19 (A2), Pistachio_18 (A3), Pita2_19 (A1), Pmask_21 (A6), Pocahontas_18 (A3), Polymorphads_17 (A4), Pomar16_21 (A2), Poompha_16 (A10), Popcicle_18 (A3), PotatoSplit_20 (A3), Power_18 (A2), Priamo_21 (A6), Priya_19 (A9), ProMouse_16 (A1), Pukovnik_20 (A2), Pumbaa_17 (A4), Puppy_18 (A3), PurpleHaze_19 (A3), QTRLifeCrisis_17 (A1), Qobbit_19 (A9), QueenB2_18 (A2), QueenBeesly_18 (A2), QuinnKiro_17 (A3), Quokka_16 (A2), RER2_7 (CA), RGL3_7 (CA), Rachaly_21 (A2), RadFad_10 (AY), Rahalelujah_17 (A9), Raid_18 (A1), Rajelicia_17 (A1), Raphaella_10 (AY), Rasputin_14 (CA), ReMo_20 (A15), Reba_20 (A3), Rebeuca_18 (A10), RedRock_21 (A2), Refuge_21 (A12), Relief_17 (A4), Remus_20 (A15), ResDef_18 (A3), Retro23_18 (A2), RexFury_14 (CA), Rhodalysa_14 (CA), RhynO_18 (A10), Rhynn_17 (A1), Richie_10 (AY), RidgeCB_17 (A1), Rifter_21 (A6), Ringer_17 (A1), Rockstar_17 (A3), Rohr_18 (A1), Roksolana_21 (A6), Romney_17 (A4), Roosevelt_17 (A4), Rosa24_16 (A4), Rosalind_20 (A15), Rowdy_20 (A10), Rubeus_18 (A1), Rufus_18 (A1), Ruin_17 (A4), Rummer_19 (A3), Ruotula_16 (A1), Rutherford_19 (A1), RyeScarlet_20 (A9), STLscum_18 (A1), Sabertooth_17 (A4), Sabia_19 (A3), Sabinator_19 (A3), Sachima_17 (A9), Sagefire_18 (A1), Sakai_10 (AY), Salz_18 (A11), Sandaddy_16 (A1), Sanya_16 (A1), SarFire_17 (A1), Sashimi_11 (AY), SaturnRing_17 (A3), Scamp_17 (A4), Scherzo_19 (A9), Scout_17 (A3), Scowl_18 (A1), Seabiscuit_19 (A1), Seahorse_11 (AY), Seanderson_18 (A1), SemperFi_20 (A2), SenorClean_16 (A4), Serenity_17 (A2), Severus_16 (A10), Shaka_17 (A4), Sham4_18 (A11), Shapes_20 (A10), ShayRa_21 (A15), SheaKeira_18 (A9), Sheen_19 (A7), SheldonCooper_18 (A4), ShortQueendom_16 (A1), Shukran_10 (AY), Shuman_14 (CA), Shygu2_17 (A4), Sibs6_19 (A1), SkiPole_19 (A1), Skipitt_17 (A4), Sknot_19 (A2), Slagathor_18 (A1), Smairt_18 (A1), Smeagan_20 (A2), Smeagol_19 (A1), SmellyB_21 (A6), SnapTap_18 (A2), Snape_18 (A11), Snazzy_15 (A1), Snickers_19 (A3), SoYo_19 (A3), SoilDragon_19 (A3), Solon_17 (A1), Sorpresa_17 (A1), Soshari_21 (A3), Soups_20 (A15), Sparxx_17 (A4), Spike509_19 (A3), SpikeBT_19 (A1), Spino_17 (A4), Spouty_19 (A9), Squee_18 (A1), StCroix_14 (CA), Stagni_19 (A3), StarStuff_21 (A2), Stasia_18 (A4), Steamy_19 (A12), StepMih_19 (A3), StewieG_16 (A1), Stink_18 (A4), StrongArm_16 (A1), Strosahl_20 (A15), Sumter_16 (A1), Sunhee_16 (A14), Sunshine924_16 (A1), SuperAwesome_21 (A6), SuperCallie99_21 (A6), Superchunk_17 (A2), Swann_14 (CA), SweetiePie_18 (A2), SwirlSquare_20 (A2), SwissCheese_17 (A1), Switzer_18 (A1), Switzerland_20 (A15), Swole_19 (A1), TMaxx_10 (FR), TNguyen7_17 (A3), TWAMP_14 (CA), Takoda_14 (CA), Taquarus_17 (A4), TarsusIV_18 (A2), Tasp14_18 (A1), Taurus_19 (A3), Temprado_22 (A6), Teodoridan_15 (A1), Texage_17 (A3), Thanksgivukkah_17 (A4), ThayneTheZag_10 (AY), TheloniousMonk_19 (A1), Thor_17 (A1), Tiff81_11 (AY), Tiffany_19 (A3), Timothy_18 (A11), Timshel_18 (A7), TinaFeyge_17 (A4), TinyPebbles_19 (A3), TinyTimmy_18

(A11), Tinybot_16 (A4), TipsytheTRex_17 (A2), TiroTheta9_17 (A4), Toaka_17 (A9), Todacoro_18 (A3), Tomathan_21 (A2), ToneTone_19 (A6), Topanga_17 (A10), Topgun_17 (A1), Toro_20 (A7), Tote_19 (A1), Traft412_19 (A1), Travvers_21 (A2), Treddle_19 (A1), Trike_15 (A10), Tripl3t_18 (A1), Trixie_21 (A2), Trooper_18 (A2), Trouble_17 (A1), TroyPia_17 (A4), Tubs_19 (A9), Tucker_21 (A6), Turbido_20 (A2), Turj99_16 (A1), Twister_17 (A10), TwoPeat_18 (A1), TygerBlood_17 (A4), U2_17 (A1), Ugenie5_16 (A9), UhSalsa_14 (CA), Ulysses_16 (A4), Updawg_20 (A2), VA6_18 (A2), VC3_21 (A2), Vanisoa_17 (A9), Veracruz_17 (A3), Violet_16 (A1), Vix_19 (A3), VohminGhazi_21 (A6), Waits_20 (A15), WalterMcMickey_17 (A10), Wander_17 (A4), Warrior24_21 (A15), Watermelon_19 (A1), Watson_19 (A3), WeiHuaDA_24 (A2), Whabigail7_20 (A2), Wheeler_17 (A1), WideWale_20 (A2), Wiks_21 (A6), Wilbur_17 (A4), Wile_17 (A4), Wilkins_17 (A1), Windest_11 (AY), Wizard007_17 (A4), Wooldri_21 (A3), WunderPhul_21 (A6), Xena_17 (A4), XianYue_18 (A2), Yecey3_18 (A9), YoSam321_17 (A4), Yogi_14 (CA), Yokurt_21 (A6), Yoncess_14 (CA), Zaka_21 (A6), Zeeculate_16 (A1), Zephyr_17 (A1), Zetzy_18 (A3), Zeuska_18 (A1), Zimmer_20 (A12), Zulu_21 (A6),

Start 15:

- Found in 1 of 919 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SPB78_9 (BA),

Start 19:

- Found in 1 of 919 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: VWB_8 (BA),

Start 20:

- Found in 408 of 919 (44.4%) of genes in pham
- Manual Annotations of this start: 1 of 826
- Called 0.2% of time when present
- Phage (with cluster) where this start called: Hermia_19 (A1),

Start 26:

- Found in 32 of 919 (3.5%) of genes in pham
- No Manual Annotations of this start.
- Called 9.4% of time when present
- Phage (with cluster) where this start called: SpicyFrank_10 (AY), Vopal_11 (AY), YoungHarleezy_10 (AY),

Summary by clusters:

There are 28 clusters represented in this pham: FP, FQ, FR, BA, A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, A, CA, AY, A20, A21,

Info for manual annotations of cluster A:

- Start number 14 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A1:

- Start number 8 was manually annotated 1 time for cluster A1.

- Start number 12 was manually annotated 4 times for cluster A1.
- Start number 14 was manually annotated 203 times for cluster A1.
- Start number 20 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A10:

- Start number 14 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 14 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 14 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 12 was manually annotated 1 time for cluster A14.
- Start number 14 was manually annotated 3 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 14 was manually annotated 21 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 14 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 14 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 14 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 14 was manually annotated 102 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 14 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:

- Start number 14 was manually annotated 113 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 14 was manually annotated 137 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 13 was manually annotated 38 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 14 was manually annotated 42 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 14 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 13 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 14 was manually annotated 35 times for cluster A9.

Info for manual annotations of cluster AY:

- Start number 14 was manually annotated 17 times for cluster AY.

Info for manual annotations of cluster CA:

- Start number 14 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster FP:

- Start number 14 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster FQ:

- Start number 14 was manually annotated 1 time for cluster FQ.

Gene Information:

Gene: 20ES_18 Start: 13386, Stop: 13763, Start Num: 14

Candidate Starts for 20ES_18:

(Start: 14 @13386 has 770 MA's), (22, 13416), (23, 13419), (25, 13449), (31, 13488), (51, 13590), (71, 13725), (78, 13749), (79, 13752),

Gene: 40AC_21 Start: 15412, Stop: 15789, Start Num: 14

Candidate Starts for 40AC_21:

(Start: 14 @15412 has 770 MA's), (21, 15439), (25, 15475), (31, 15514), (51, 15616), (53, 15637), (77, 15772), (78, 15775), (79, 15778),

Gene: A6_15 Start: 12482, Stop: 12931, Start Num: 14

Candidate Starts for A6_15:

(Start: 14 @12482 has 770 MA's), (Start: 20 @12506 has 1 MA's), (71, 12818), (81, 12893),

Gene: ACFishhook_19 Start: 12951, Stop: 13322, Start Num: 14

Candidate Starts for ACFishhook_19:

(Start: 14 @12951 has 770 MA's), (Start: 20 @12975 has 1 MA's), (28, 13035), (31, 13053), (56, 13203), (71, 13284), (72, 13290), (78, 13308), (79, 13311),

Gene: AFIS_17 Start: 12820, Stop: 13269, Start Num: 14

Candidate Starts for AFIS_17:

(Start: 14 @12820 has 770 MA's), (Start: 20 @12844 has 1 MA's), (71, 13156), (81, 13231),

Gene: AN3_18 Start: 13376, Stop: 13753, Start Num: 14

Candidate Starts for AN3_18:

(Start: 14 @13376 has 770 MA's), (22, 13406), (23, 13409), (25, 13439), (31, 13478), (71, 13715), (78, 13739), (79, 13742),

Gene: AN9_21 Start: 13381, Stop: 13758, Start Num: 14

Candidate Starts for AN9_21:

(Start: 14 @13381 has 770 MA's), (21, 13408), (23, 13414), (25, 13444), (31, 13483), (40, 13540), (51, 13585), (61, 13666), (71, 13720), (77, 13741), (78, 13744), (79, 13747),

Gene: ANI8_21 Start: 13381, Stop: 13758, Start Num: 14

Candidate Starts for ANI8_21:

(Start: 14 @13381 has 770 MA's), (21, 13408), (23, 13414), (25, 13444), (31, 13483), (40, 13540), (51, 13585), (61, 13666), (71, 13720), (77, 13741), (78, 13744), (79, 13747),

Gene: AbbyPaige_20 Start: 13836, Stop: 14213, Start Num: 14

Candidate Starts for AbbyPaige_20:

(Start: 14 @13836 has 770 MA's), (22, 13866), (23, 13869), (25, 13899), (31, 13938), (62, 14124), (71, 14175), (78, 14199), (79, 14202),

Gene: AbbysRanger_17 Start: 12708, Stop: 13064, Start Num: 14

Candidate Starts for AbbysRanger_17:

(Start: 14 @12708 has 770 MA's), (31, 12810), (42, 12858), (48, 12879), (56, 12945), (63, 12981), (74, 13038), (79, 13053),

Gene: Abbysshoes_18 Start: 13206, Stop: 13655, Start Num: 14

Candidate Starts for Abbysshoes_18:

(Start: 14 @13206 has 770 MA's), (Start: 20 @13230 has 1 MA's), (71, 13542), (81, 13617),

Gene: Abdiel_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for Abdiel_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: Abrogate_180 Start: 13578, Stop: 14027, Start Num: 14

Candidate Starts for Abrogate_180:

(Start: 14 @13578 has 770 MA's), (Start: 20 @13602 has 1 MA's), (71, 13914), (81, 13989),

Gene: Achebe_17 Start: 12687, Stop: 13043, Start Num: 14

Candidate Starts for Achebe_17:

(Start: 14 @12687 has 770 MA's), (31, 12789), (42, 12837), (48, 12858), (56, 12924), (61, 12954), (63, 12960), (71, 13005), (79, 13032),

Gene: Acme_19 Start: 13256, Stop: 13705, Start Num: 14

Candidate Starts for Acme_19:

(Start: 14 @13256 has 770 MA's), (71, 13592), (81, 13667),

Gene: Acolyte_18 Start: 13504, Stop: 13881, Start Num: 14

Candidate Starts for Acolyte_18:

(Start: 14 @13504 has 770 MA's), (25, 13567), (31, 13606), (51, 13708), (62, 13792), (71, 13843), (72, 13849), (78, 13867), (79, 13870),

Gene: AdaS_10 Start: 7295, Stop: 7651, Start Num: 14

Candidate Starts for AdaS_10:

(Start: 14 @7295 has 770 MA's), (30, 7394), (32, 7400), (48, 7466), (65, 7595), (68, 7610), (73, 7637),

Gene: Adahisdi_18 Start: 13138, Stop: 13587, Start Num: 14

Candidate Starts for Adahisdi_18:

(Start: 14 @13138 has 770 MA's), (71, 13474), (81, 13549),

Gene: Adzzy_19 Start: 12119, Stop: 12496, Start Num: 14

Candidate Starts for Adzzy_19:

(Start: 14 @12119 has 770 MA's), (21, 12146), (23, 12152), (25, 12182), (31, 12221), (71, 12458), (78, 12482), (79, 12485),

Gene: Aeneas_19 Start: 13246, Stop: 13695, Start Num: 14

Candidate Starts for Aeneas_19:

(Start: 14 @13246 has 770 MA's), (Start: 20 @13270 has 1 MA's), (71, 13582), (81, 13657),

Gene: Agaliana_17 Start: 13198, Stop: 13647, Start Num: 14

Candidate Starts for Agaliana_17:

(Start: 14 @13198 has 770 MA's), (Start: 20 @13222 has 1 MA's), (71, 13534), (81, 13609),

Gene: Agape74_20 Start: 13836, Stop: 14213, Start Num: 14

Candidate Starts for Agape74_20:

(Start: 14 @13836 has 770 MA's), (22, 13866), (23, 13869), (25, 13899), (31, 13938), (62, 14124), (71, 14175), (78, 14199), (79, 14202),

Gene: AgentM_14 Start: 11878, Stop: 12252, Start Num: 13

Candidate Starts for AgentM_14:

(Start: 13 @11878 has 49 MA's), (Start: 20 @11902 has 1 MA's), (22, 11908), (49, 12070), (56, 12133), (61, 12163), (67, 12193), (71, 12214), (77, 12235), (78, 12238), (79, 12241),

Gene: Aglet_19 Start: 12797, Stop: 13168, Start Num: 14

Candidate Starts for Aglet_19:

(Start: 14 @12797 has 770 MA's), (Start: 20 @12821 has 1 MA's), (28, 12881), (31, 12899), (56, 13049), (71, 13130), (72, 13136), (78, 13154), (79, 13157),

Gene: AgronaGT15_19 Start: 12704, Stop: 13075, Start Num: 14

Candidate Starts for AgronaGT15_19:

(Start: 14 @12704 has 770 MA's), (Start: 20 @12728 has 1 MA's), (28, 12788), (31, 12806), (56, 12956), (71, 13037), (72, 13043), (78, 13061), (79, 13064),

Gene: Aikyam_10 Start: 7296, Stop: 7652, Start Num: 14

Candidate Starts for Aikyam_10:

(Start: 14 @7296 has 770 MA's), (26, 7365), (30, 7395), (32, 7401), (46, 7458), (48, 7467), (65, 7596), (73, 7638),

Gene: Airmid_14 Start: 11638, Stop: 12012, Start Num: 13

Candidate Starts for Airmid_14:

(Start: 13 @11638 has 49 MA's), (Start: 20 @11662 has 1 MA's), (22, 11668), (49, 11830), (56, 11893), (66, 11950), (67, 11953), (71, 11974), (77, 11995), (78, 11998), (79, 12001),

Gene: Ajay_17 Start: 12970, Stop: 13419, Start Num: 14

Candidate Starts for Ajay_17:

(Start: 14 @12970 has 770 MA's), (Start: 20 @12994 has 1 MA's), (71, 13306), (81, 13381),

Gene: Alatin_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for Alatin_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (42, 9084), (51, 9120), (53, 9141), (56, 9171), (67, 9231), (70, 9249), (71, 9255), (75, 9276),

Gene: Albee_17 Start: 12688, Stop: 13044, Start Num: 14
Candidate Starts for Albee_17:
(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Alberto7_18 Start: 12990, Stop: 13346, Start Num: 14
Candidate Starts for Alberto7_18:
(Start: 14 @12990 has 770 MA's), (31, 13092), (42, 13140), (48, 13161), (56, 13227), (63, 13263), (71, 13308), (79, 13335),

Gene: Aliter_19 Start: 14068, Stop: 14445, Start Num: 14
Candidate Starts for Aliter_19:
(Start: 14 @14068 has 770 MA's), (31, 14170), (68, 14389), (71, 14407), (72, 14413),

Gene: Alma_19 Start: 14147, Stop: 14524, Start Num: 14
Candidate Starts for Alma_19:
(Start: 14 @14147 has 770 MA's), (31, 14249), (68, 14468), (71, 14486), (72, 14492),

Gene: Alpacados_13 Start: 8846, Stop: 9226, Start Num: 14
Candidate Starts for Alpacados_13:
(Start: 14 @8846 has 770 MA's), (Start: 20 @8870 has 1 MA's), (27, 8918), (38, 8987), (51, 9050), (56, 9101), (70, 9179), (71, 9185), (75, 9206),

Gene: Alsfro_21 Start: 13690, Stop: 14139, Start Num: 14
Candidate Starts for Alsfro_21:
(Start: 14 @13690 has 770 MA's), (Start: 20 @13714 has 1 MA's), (71, 14026), (81, 14101),

Gene: Altman_19 Start: 13735, Stop: 14184, Start Num: 14
Candidate Starts for Altman_19:
(Start: 14 @13735 has 770 MA's), (Start: 20 @13759 has 1 MA's), (71, 14071), (81, 14146),

Gene: Alvin_18 Start: 13456, Stop: 13905, Start Num: 14
Candidate Starts for Alvin_18:
(Start: 14 @13456 has 770 MA's), (Start: 20 @13480 has 1 MA's), (71, 13792), (81, 13867),

Gene: Anaysia_20 Start: 12490, Stop: 12867, Start Num: 14
Candidate Starts for Anaysia_20:
(Start: 14 @12490 has 770 MA's), (31, 12592), (49, 12682), (72, 12835), (78, 12853), (79, 12856),

Gene: Aneem_18 Start: 13928, Stop: 14305, Start Num: 14
Candidate Starts for Aneem_18:
(Start: 14 @13928 has 770 MA's), (Start: 20 @13952 has 1 MA's), (25, 13991), (31, 14030), (33, 14036), (77, 14288), (78, 14291), (79, 14294),

Gene: Anekin_9 Start: 7408, Stop: 7764, Start Num: 14
Candidate Starts for Anekin_9:
(Start: 14 @7408 has 770 MA's), (21, 7435), (30, 7507), (42, 7558), (47, 7573), (48, 7579), (51, 7594), (73, 7750),

Gene: Anglerfish_18 Start: 14118, Stop: 14567, Start Num: 14
Candidate Starts for Anglerfish_18:
(Start: 14 @14118 has 770 MA's), (Start: 20 @14142 has 1 MA's), (71, 14454), (81, 14529),

Gene: AngryOrchard_13 Start: 8829, Stop: 9209, Start Num: 14

Candidate Starts for AngryOrchard_13:

(Start: 14 @8829 has 770 MA's), (Start: 20 @8853 has 1 MA's), (27, 8901), (38, 8970), (42, 8997), (56, 9084), (70, 9162), (71, 9168), (75, 9189),

Gene: AnnaL29_21 Start: 15225, Stop: 15602, Start Num: 14

Candidate Starts for AnnaL29_21:

(Start: 14 @15225 has 770 MA's), (Start: 20 @15249 has 1 MA's), (21, 15252), (25, 15288), (31, 15327), (51, 15429), (77, 15585), (78, 15588), (79, 15591),

Gene: AnnabelLee_10 Start: 6689, Stop: 7129, Start Num: 14

Candidate Starts for AnnabelLee_10:

(Start: 14 @6689 has 770 MA's), (34, 6809), (48, 6887), (79, 7073),

Gene: Annyong_17 Start: 12689, Stop: 13045, Start Num: 14

Candidate Starts for Annyong_17:

(Start: 14 @12689 has 770 MA's), (31, 12791), (42, 12839), (48, 12860), (56, 12926), (63, 12962), (71, 13007), (79, 13034),

Gene: Anon_18 Start: 12836, Stop: 13213, Start Num: 14

Candidate Starts for Anon_18:

(Start: 14 @12836 has 770 MA's), (26, 12905), (31, 12938), (56, 13091), (71, 13175), (77, 13196), (78, 13199), (79, 13202),

Gene: Anselm_18 Start: 13483, Stop: 13860, Start Num: 14

Candidate Starts for Anselm_18:

(Start: 14 @13483 has 770 MA's), (22, 13513), (23, 13516), (25, 13546), (31, 13585), (51, 13687), (71, 13822), (78, 13846), (79, 13849),

Gene: Anthony_17 Start: 11598, Stop: 11972, Start Num: 14

Candidate Starts for Anthony_17:

(Start: 14 @11598 has 770 MA's), (Start: 20 @11622 has 1 MA's), (31, 11700), (39, 11751), (56, 11853), (71, 11934), (78, 11958), (79, 11961),

Gene: Anubis_21 Start: 12682, Stop: 13053, Start Num: 14

Candidate Starts for Anubis_21:

(Start: 14 @12682 has 770 MA's), (Start: 20 @12706 has 1 MA's), (28, 12766), (31, 12784), (56, 12934), (71, 13015), (72, 13021), (78, 13039), (79, 13042),

Gene: AppleCloud_12 Start: 8569, Stop: 8949, Start Num: 14

Candidate Starts for AppleCloud_12:

(Start: 14 @8569 has 770 MA's), (Start: 20 @8593 has 1 MA's), (26, 8638), (27, 8641), (38, 8710), (42, 8737), (56, 8824), (70, 8902), (71, 8908), (75, 8929),

Gene: Applejack_17 Start: 12895, Stop: 13344, Start Num: 14

Candidate Starts for Applejack_17:

(Start: 14 @12895 has 770 MA's), (Start: 20 @12919 has 1 MA's), (71, 13231), (81, 13306),

Gene: Aragog_14 Start: 11908, Stop: 12282, Start Num: 13

Candidate Starts for Aragog_14:

(Start: 13 @11908 has 49 MA's), (Start: 20 @11932 has 1 MA's), (22, 11938), (49, 12100), (56, 12163), (61, 12193), (67, 12223), (71, 12244), (77, 12265), (78, 12268), (79, 12271),

Gene: Arcanine_18 Start: 13137, Stop: 13586, Start Num: 14
Candidate Starts for Arcanine_18:
(Start: 14 @13137 has 770 MA's), (Start: 20 @13161 has 1 MA's), (71, 13473), (81, 13548),

Gene: ArcherNM_20 Start: 15177, Stop: 15554, Start Num: 14
Candidate Starts for ArcherNM_20:
(Start: 14 @15177 has 770 MA's), (22, 15207), (23, 15210), (25, 15240), (31, 15279), (38, 15318), (71, 15516), (78, 15540),

Gene: Archetta_14 Start: 11621, Stop: 11995, Start Num: 13
Candidate Starts for Archetta_14:
(Start: 13 @11621 has 49 MA's), (Start: 20 @11645 has 1 MA's), (22, 11651), (49, 11813), (56, 11876), (61, 11906), (67, 11936), (71, 11957), (77, 11978), (78, 11981), (79, 11984),

Gene: Arissanae_17 Start: 12240, Stop: 12617, Start Num: 14
Candidate Starts for Arissanae_17:
(Start: 14 @12240 has 770 MA's), (23, 12273), (31, 12342), (39, 12393), (68, 12561), (71, 12579), (72, 12585), (78, 12603), (79, 12606),

Gene: Arlo_16 Start: 12516, Stop: 12965, Start Num: 14
Candidate Starts for Arlo_16:
(Start: 14 @12516 has 770 MA's), (Start: 20 @12540 has 1 MA's), (71, 12852), (81, 12927),

Gene: Artemis2UCLA_21 Start: 13362, Stop: 13739, Start Num: 14
Candidate Starts for Artemis2UCLA_21:
(Start: 14 @13362 has 770 MA's), (21, 13389), (23, 13395), (24, 13422), (25, 13425), (31, 13464), (54, 13605), (71, 13701), (78, 13725), (79, 13728),

Gene: Arturo_16 Start: 12799, Stop: 13155, Start Num: 14
Candidate Starts for Arturo_16:
(Start: 14 @12799 has 770 MA's), (31, 12901), (42, 12949), (48, 12970), (56, 13036), (63, 13072), (71, 13117), (79, 13144),

Gene: Ashballer_16 Start: 12899, Stop: 13348, Start Num: 14
Candidate Starts for Ashballer_16:
(Start: 14 @12899 has 770 MA's), (Start: 20 @12923 has 1 MA's), (71, 13235), (81, 13310),

Gene: Astro_14 Start: 11398, Stop: 11772, Start Num: 13
Candidate Starts for Astro_14:
(Start: 13 @11398 has 49 MA's), (42, 11566), (49, 11590), (51, 11602), (56, 11653), (66, 11710), (67, 11713), (71, 11734), (77, 11755), (78, 11758),

Gene: Atkinbua_18 Start: 12870, Stop: 13319, Start Num: 14
Candidate Starts for Atkinbua_18:
(Start: 14 @12870 has 770 MA's), (Start: 20 @12894 has 1 MA's), (71, 13206), (81, 13281),

Gene: Audell_13 Start: 10041, Stop: 10469, Start Num: 14
Candidate Starts for Audell_13:
(Start: 14 @10041 has 770 MA's), (40, 10203), (43, 10218), (48, 10236), (63, 10347), (76, 10416), (80, 10455),

Gene: AugsMagnumOpus_21 Start: 12788, Stop: 13159, Start Num: 14
Candidate Starts for AugsMagnumOpus_21:

(Start: 14 @12788 has 770 MA's), (Start: 20 @12812 has 1 MA's), (28, 12872), (31, 12890), (56, 13040), (71, 13121), (72, 13127), (78, 13145), (79, 13148),

Gene: Auxilium_10 Start: 7295, Stop: 7651, Start Num: 14

Candidate Starts for Auxilium_10:

(Start: 14 @7295 has 770 MA's), (30, 7394), (32, 7400), (48, 7466), (65, 7595), (68, 7610), (73, 7637),

Gene: AvatarAhPeg_18 Start: 12972, Stop: 13328, Start Num: 14

Candidate Starts for AvatarAhPeg_18:

(Start: 14 @12972 has 770 MA's), (31, 13074), (42, 13122), (48, 13143), (56, 13209), (63, 13245), (74, 13302), (79, 13317),

Gene: Avle17_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Avle17_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: B1_15 Start: 11996, Stop: 12370, Start Num: 14

Candidate Starts for B1_15:

(Start: 14 @11996 has 770 MA's), (31, 12098), (42, 12164), (48, 12185), (56, 12251), (71, 12332), (72, 12338), (78, 12356),

Gene: BABullseye_21 Start: 13475, Stop: 13852, Start Num: 14

Candidate Starts for BABullseye_21:

(Start: 14 @13475 has 770 MA's), (21, 13502), (23, 13508), (24, 13535), (25, 13538), (31, 13577), (71, 13814), (78, 13838), (79, 13841),

Gene: BK1_15 Start: 12482, Stop: 12931, Start Num: 14

Candidate Starts for BK1_15:

(Start: 14 @12482 has 770 MA's), (Start: 20 @12506 has 1 MA's), (71, 12818), (81, 12893),

Gene: BPBiebs31_18 Start: 13162, Stop: 13611, Start Num: 14

Candidate Starts for BPBiebs31_18:

(Start: 14 @13162 has 770 MA's), (Start: 20 @13186 has 1 MA's), (71, 13498), (81, 13573),

Gene: Baby16_17 Start: 12697, Stop: 13053, Start Num: 14

Candidate Starts for Baby16_17:

(Start: 14 @12697 has 770 MA's), (31, 12799), (42, 12847), (48, 12868), (56, 12934), (63, 12970), (71, 13015), (79, 13042),

Gene: BabyBack_20 Start: 15016, Stop: 15393, Start Num: 14

Candidate Starts for BabyBack_20:

(Start: 14 @15016 has 770 MA's), (21, 15043), (23, 15049), (25, 15079), (31, 15118), (51, 15220), (62, 15304), (68, 15337), (69, 15346), (71, 15355), (77, 15376), (78, 15379), (79, 15382),

Gene: BabyJohn_16 Start: 12580, Stop: 12954, Start Num: 14

Candidate Starts for BabyJohn_16:

(Start: 14 @12580 has 770 MA's), (31, 12682), (42, 12748), (48, 12769), (56, 12835), (67, 12895), (71, 12916), (78, 12940),

Gene: BabyRay_17 Start: 12569, Stop: 12943, Start Num: 14

Candidate Starts for BabyRay_17:

(Start: 14 @12569 has 770 MA's), (31, 12671), (42, 12737), (48, 12758), (56, 12824), (71, 12905), (72, 12911), (78, 12929),

Gene: Bachome_18 Start: 13925, Stop: 14302, Start Num: 14

Candidate Starts for Bachome_18:

(Start: 14 @13925 has 770 MA's), (Start: 20 @13949 has 1 MA's), (25, 13988), (31, 14027), (33, 14033), (77, 14285), (78, 14288), (79, 14291),

Gene: Backyardigan_17 Start: 12699, Stop: 13055, Start Num: 14

Candidate Starts for Backyardigan_17:

(Start: 14 @12699 has 770 MA's), (31, 12801), (42, 12849), (48, 12870), (56, 12936), (61, 12966), (63, 12972), (71, 13017), (79, 13044),

Gene: BaconJack_19 Start: 13237, Stop: 13686, Start Num: 14

Candidate Starts for BaconJack_19:

(Start: 14 @13237 has 770 MA's), (Start: 20 @13261 has 1 MA's), (71, 13573), (81, 13648),

Gene: Bactobuster_19 Start: 15108, Stop: 15485, Start Num: 14

Candidate Starts for Bactobuster_19:

(Start: 14 @15108 has 770 MA's), (24, 15168), (25, 15171), (31, 15210), (51, 15312), (64, 15402), (67, 15423), (71, 15447),

Gene: Badger_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Badger_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (61, 12955), (63, 12961), (71, 13006), (79, 13033),

Gene: Baehexic_19 Start: 13883, Stop: 14260, Start Num: 14

Candidate Starts for Baehexic_19:

(Start: 14 @13883 has 770 MA's), (21, 13910), (23, 13916), (25, 13946), (31, 13985), (36, 14015), (51, 14087), (69, 14213), (71, 14222), (77, 14243), (78, 14246), (79, 14249),

Gene: BaileyBlu_8 Start: 5760, Stop: 6185, Start Num: 14

Candidate Starts for BaileyBlu_8:

(Start: 14 @5760 has 770 MA's), (42, 5934), (49, 5958), (79, 6138),

Gene: BangNhom_17 Start: 13000, Stop: 13356, Start Num: 14

Candidate Starts for BangNhom_17:

(Start: 14 @13000 has 770 MA's), (31, 13102), (42, 13150), (48, 13171), (56, 13237), (63, 13273), (71, 13318), (79, 13345),

Gene: Barriga_17 Start: 12765, Stop: 13214, Start Num: 14

Candidate Starts for Barriga_17:

(Start: 14 @12765 has 770 MA's), (Start: 20 @12789 has 1 MA's), (71, 13101), (81, 13176),

Gene: Bartimeaus_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Bartimeaus_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Battleship_21 Start: 12605, Stop: 12982, Start Num: 14

Candidate Starts for Battleship_21:

(Start: 14 @12605 has 770 MA's), (31, 12707), (49, 12797), (72, 12950), (78, 12968), (79, 12971),

Gene: Beatrix_16 Start: 13614, Stop: 14063, Start Num: 14

Candidate Starts for Beatrix_16:

(Start: 14 @13614 has 770 MA's), (Start: 20 @13638 has 1 MA's), (71, 13950), (81, 14025),

Gene: Beauxregard13_19 Start: 12796, Stop: 13167, Start Num: 14

Candidate Starts for Beauxregard13_19:

(Start: 14 @12796 has 770 MA's), (Start: 20 @12820 has 1 MA's), (28, 12880), (31, 12898), (56, 13048), (71, 13129), (72, 13135), (78, 13153), (79, 13156),

Gene: Beemo_19 Start: 14174, Stop: 14551, Start Num: 14

Candidate Starts for Beemo_19:

(Start: 14 @14174 has 770 MA's), (31, 14276), (68, 14495), (71, 14513), (72, 14519),

Gene: BeesKnees_18 Start: 12955, Stop: 13404, Start Num: 14

Candidate Starts for BeesKnees_18:

(Start: 14 @12955 has 770 MA's), (71, 13291), (81, 13366),

Gene: Belenaria_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for Belenaria_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (42, 9084), (51, 9120), (53, 9141), (56, 9171), (67, 9231), (70, 9249), (71, 9255), (75, 9276),

Gene: BellusTerra_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for BellusTerra_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: BenchScraper_10 Start: 7310, Stop: 7666, Start Num: 14

Candidate Starts for BenchScraper_10:

(Start: 14 @7310 has 770 MA's), (26, 7379), (30, 7409), (32, 7415), (46, 7472), (48, 7481), (65, 7610), (73, 7652),

Gene: Benedict_14 Start: 11640, Stop: 12014, Start Num: 13

Candidate Starts for Benedict_14:

(Start: 13 @11640 has 49 MA's), (Start: 20 @11664 has 1 MA's), (22, 11670), (49, 11832), (56, 11895), (66, 11952), (67, 11955), (71, 11976), (77, 11997), (78, 12000), (79, 12003),

Gene: BengiVuitton_19 Start: 13799, Stop: 14176, Start Num: 14

Candidate Starts for BengiVuitton_19:

(Start: 14 @13799 has 770 MA's), (22, 13829), (23, 13832), (25, 13862), (31, 13901), (71, 14138), (78, 14162), (79, 14165),

Gene: Benvolio_18 Start: 13473, Stop: 13850, Start Num: 14

Candidate Starts for Benvolio_18:

(Start: 14 @13473 has 770 MA's), (22, 13503), (23, 13506), (25, 13536), (31, 13575), (49, 13665), (51, 13677), (71, 13812), (78, 13836), (79, 13839),

Gene: Bethlehem_17 Start: 14192, Stop: 14641, Start Num: 14

Candidate Starts for Bethlehem_17:

(Start: 14 @14192 has 770 MA's), (Start: 20 @14216 has 1 MA's), (71, 14528), (81, 14603),

Gene: Bexan_16 Start: 13900, Stop: 14349, Start Num: 14

Candidate Starts for Bexan_16:

(Start: 14 @13900 has 770 MA's), (Start: 20 @13924 has 1 MA's), (71, 14236), (81, 14311),

Gene: Bhageatrice_12 Start: 8505, Stop: 8861, Start Num: 14

Candidate Starts for Bhageatrice_12:

(Start: 14 @8505 has 770 MA's), (21, 8532), (42, 8655), (48, 8676), (51, 8691), (59, 8769), (68, 8820), (73, 8847),

Gene: BiancaTri92_20 Start: 15161, Stop: 15538, Start Num: 14

Candidate Starts for BiancaTri92_20:

(Start: 14 @15161 has 770 MA's), (21, 15188), (23, 15194), (25, 15224), (31, 15263), (36, 15293), (37, 15299), (51, 15365), (71, 15500), (78, 15524), (79, 15527),

Gene: Big3_17 Start: 13546, Stop: 13995, Start Num: 14

Candidate Starts for Big3_17:

(Start: 14 @13546 has 770 MA's), (Start: 20 @13570 has 1 MA's), (81, 13957),

Gene: BigMau_19 Start: 13123, Stop: 13572, Start Num: 14

Candidate Starts for BigMau_19:

(Start: 14 @13123 has 770 MA's), (Start: 20 @13147 has 1 MA's), (71, 13459), (81, 13534),

Gene: BigPaolini_18 Start: 13549, Stop: 13998, Start Num: 14

Candidate Starts for BigPaolini_18:

(Start: 14 @13549 has 770 MA's), (Start: 20 @13573 has 1 MA's), (71, 13885), (81, 13960),

Gene: Bigfoot_16 Start: 12651, Stop: 13100, Start Num: 14

Candidate Starts for Bigfoot_16:

(Start: 14 @12651 has 770 MA's), (Start: 20 @12675 has 1 MA's), (71, 12987), (81, 13062),

Gene: BillKnuckles_17 Start: 13547, Stop: 13924, Start Num: 12

Candidate Starts for BillKnuckles_17:

(Start: 8 @13502 has 1 MA's), (Start: 12 @13547 has 5 MA's), (Start: 20 @13574 has 1 MA's), (31, 13652), (42, 13718), (49, 13742), (56, 13805), (61, 13835), (66, 13862), (73, 13895), (77, 13907), (78, 13910), (79, 13913),

Gene: BillyTP_10 Start: 7295, Stop: 7654, Start Num: 14

Candidate Starts for BillyTP_10:

(Start: 14 @7295 has 770 MA's), (26, 7364), (34, 7412), (48, 7466), (59, 7565), (73, 7640),

Gene: Bircsak_17 Start: 13409, Stop: 13858, Start Num: 14

Candidate Starts for Bircsak_17:

(Start: 14 @13409 has 770 MA's), (Start: 20 @13433 has 1 MA's), (71, 13745), (81, 13820),

Gene: Blackmoor_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Blackmoor_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: BlessJoy_21 Start: 13460, Stop: 13837, Start Num: 14

Candidate Starts for BlessJoy_21:

(Start: 14 @13460 has 770 MA's), (21, 13487), (23, 13493), (24, 13520), (25, 13523), (31, 13562), (71, 13799), (78, 13823), (79, 13826),

Gene: Blinn1_21 Start: 13517, Stop: 13894, Start Num: 14

Candidate Starts for Blinn1_21:

(Start: 14 @13517 has 770 MA's), (21, 13544), (23, 13550), (24, 13577), (25, 13580), (31, 13619), (51, 13721), (71, 13856), (78, 13880), (79, 13883),

Gene: BluSpix_17 Start: 12911, Stop: 13360, Start Num: 14

Candidate Starts for BluSpix_17:

(Start: 14 @12911 has 770 MA's), (Start: 20 @12935 has 1 MA's), (71, 13247), (81, 13322),

Gene: Blue_17 Start: 13014, Stop: 13463, Start Num: 14

Candidate Starts for Blue_17:

(Start: 14 @13014 has 770 MA's), (Start: 20 @13038 has 1 MA's), (71, 13350), (81, 13425),

Gene: Blue7_21 Start: 13452, Stop: 13829, Start Num: 14

Candidate Starts for Blue7_21:

(Start: 14 @13452 has 770 MA's), (21, 13479), (24, 13512), (25, 13515), (31, 13554), (54, 13695), (71, 13791), (78, 13815), (79, 13818),

Gene: BlueBird_18 Start: 12343, Stop: 12717, Start Num: 14

Candidate Starts for BlueBird_18:

(Start: 14 @12343 has 770 MA's), (31, 12445), (42, 12511), (48, 12532), (56, 12598), (71, 12679), (72, 12685), (78, 12703),

Gene: BlueShadow_10 Start: 7292, Stop: 7648, Start Num: 14

Candidate Starts for BlueShadow_10:

(Start: 14 @7292 has 770 MA's), (16, 7298), (17, 7304), (18, 7307), (26, 7361), (29, 7388), (30, 7391), (45, 7451), (46, 7454), (48, 7463), (65, 7592), (68, 7607), (73, 7634),

Gene: Bluefalcon_13 Start: 11878, Stop: 12252, Start Num: 13

Candidate Starts for Bluefalcon_13:

(Start: 13 @11878 has 49 MA's), (Start: 20 @11902 has 1 MA's), (22, 11908), (49, 12070), (56, 12133), (61, 12163), (67, 12193), (71, 12214), (77, 12235), (78, 12238), (79, 12241),

Gene: Bob3_16 Start: 12463, Stop: 12912, Start Num: 14

Candidate Starts for Bob3_16:

(Start: 14 @12463 has 770 MA's), (Start: 20 @12487 has 1 MA's), (71, 12799), (81, 12874),

Gene: BobSwaget_21 Start: 15027, Stop: 15404, Start Num: 14

Candidate Starts for BobSwaget_21:

(Start: 14 @15027 has 770 MA's), (21, 15054), (25, 15090), (31, 15129), (51, 15231), (62, 15315), (71, 15366), (78, 15390), (79, 15393),

Gene: BobbyDazzler_14 Start: 8955, Stop: 9335, Start Num: 14

Candidate Starts for BobbyDazzler_14:

(Start: 14 @8955 has 770 MA's), (Start: 20 @8979 has 1 MA's), (27, 9027), (38, 9096), (42, 9123), (56, 9210), (70, 9288), (71, 9294), (75, 9315),

Gene: BogosyJay_19 Start: 13894, Stop: 14271, Start Num: 14

Candidate Starts for BogosyJay_19:

(Start: 14 @13894 has 770 MA's), (21, 13921), (25, 13957), (31, 13996), (71, 14233), (72, 14239),

Gene: Bombshell_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Bombshell_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Bonamassa_14 Start: 11800, Stop: 12174, Start Num: 13

Candidate Starts for Bonamassa_14:

(Start: 13 @11800 has 49 MA's), (Start: 20 @11824 has 1 MA's), (22, 11830), (42, 11968), (49, 11992), (56, 12055), (67, 12115), (71, 12136), (77, 12157), (78, 12160), (79, 12163),

Gene: Bonanza_14 Start: 8884, Stop: 9264, Start Num: 14

Candidate Starts for Bonanza_14:

(Start: 14 @8884 has 770 MA's), (Start: 20 @8908 has 1 MA's), (27, 8956), (38, 9025), (51, 9088), (56, 9139), (70, 9217), (71, 9223), (75, 9244),

Gene: Bones_17 Start: 12652, Stop: 13101, Start Num: 14

Candidate Starts for Bones_17:

(Start: 14 @12652 has 770 MA's), (71, 12988), (81, 13063),

Gene: Boohoo_20 Start: 12490, Stop: 12867, Start Num: 14

Candidate Starts for Boohoo_20:

(Start: 14 @12490 has 770 MA's), (31, 12592), (49, 12682), (72, 12835), (78, 12853), (79, 12856),

Gene: Bowtie_18 Start: 13928, Stop: 14305, Start Num: 14

Candidate Starts for Bowtie_18:

(Start: 14 @13928 has 770 MA's), (Start: 20 @13952 has 1 MA's), (25, 13991), (31, 14030), (33, 14036), (77, 14288), (78, 14291), (79, 14294),

Gene: Bradman_17 Start: 12293, Stop: 12670, Start Num: 14

Candidate Starts for Bradman_17:

(Start: 14 @12293 has 770 MA's), (21, 12320), (23, 12326), (24, 12353), (25, 12356), (31, 12395), (51, 12497), (71, 12632), (77, 12653), (78, 12656), (79, 12659),

Gene: Bradshaw_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for Bradshaw_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (42, 9084), (51, 9120), (53, 9141), (56, 9171), (67, 9231), (70, 9249), (71, 9255), (75, 9276),

Gene: BreSam8_19 Start: 12789, Stop: 13160, Start Num: 14

Candidate Starts for BreSam8_19:

(Start: 14 @12789 has 770 MA's), (Start: 20 @12813 has 1 MA's), (28, 12873), (31, 12891), (56, 13041), (71, 13122), (72, 13128), (78, 13146), (79, 13149),

Gene: Briton15_19 Start: 13212, Stop: 13661, Start Num: 14

Candidate Starts for Briton15_19:

(Start: 14 @13212 has 770 MA's), (Start: 20 @13236 has 1 MA's), (71, 13548), (81, 13623),

Gene: Broseidon_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Broseidon_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Bruiser_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Bruiser_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Bruns_16 Start: 12835, Stop: 13284, Start Num: 14

Candidate Starts for Bruns_16:

(Start: 14 @12835 has 770 MA's), (Start: 20 @12859 has 1 MA's), (71, 13171), (81, 13246),

Gene: Bryce_14 Start: 8884, Stop: 9264, Start Num: 14

Candidate Starts for Bryce_14:

(Start: 14 @8884 has 770 MA's), (Start: 20 @8908 has 1 MA's), (27, 8956), (38, 9025), (42, 9052), (51, 9088), (53, 9109), (56, 9139), (70, 9217), (71, 9223), (75, 9244),

Gene: BubbleTrouble_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for BubbleTrouble_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (61, 12955), (63, 12961), (71, 13006), (79, 13033),

Gene: Bud_18 Start: 13934, Stop: 14311, Start Num: 14

Candidate Starts for Bud_18:

(Start: 14 @13934 has 770 MA's), (Start: 20 @13958 has 1 MA's), (25, 13997), (31, 14036), (33, 14042), (77, 14294), (78, 14297), (79, 14300),

Gene: Bugatti_17 Start: 12343, Stop: 12717, Start Num: 14

Candidate Starts for Bugatti_17:

(Start: 14 @12343 has 770 MA's), (31, 12445), (42, 12511), (48, 12532), (56, 12598), (71, 12679), (72, 12685), (78, 12703),

Gene: Buggy_20 Start: 13835, Stop: 14212, Start Num: 14

Candidate Starts for Buggy_20:

(Start: 14 @13835 has 770 MA's), (22, 13865), (23, 13868), (25, 13898), (31, 13937), (62, 14123), (71, 14174), (78, 14198), (79, 14201),

Gene: Bumblebee11_17 Start: 12690, Stop: 13046, Start Num: 14

Candidate Starts for Bumblebee11_17:

(Start: 14 @12690 has 770 MA's), (31, 12792), (42, 12840), (48, 12861), (56, 12927), (63, 12963), (74, 13020), (79, 13035),

Gene: Burger_16 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Burger_16:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Burton_18 Start: 13033, Stop: 13482, Start Num: 14

Candidate Starts for Burton_18:

(Start: 14 @13033 has 770 MA's), (Start: 20 @13057 has 1 MA's), (71, 13369), (81, 13444),

Gene: Buttons_18 Start: 13397, Stop: 13846, Start Num: 14

Candidate Starts for Buttons_18:

(Start: 14 @13397 has 770 MA's), (Start: 20 @13421 has 1 MA's), (71, 13733), (81, 13808),

Gene: BuzzBuzz_18 Start: 12880, Stop: 13251, Start Num: 14

Candidate Starts for BuzzBuzz_18:

(Start: 14 @12880 has 770 MA's), (Start: 20 @12904 has 1 MA's), (28, 12964), (31, 12982), (56, 13132), (71, 13213), (72, 13219), (78, 13237), (79, 13240),

Gene: Bxb1_15 Start: 12916, Stop: 13293, Start Num: 12

Candidate Starts for Bxb1_15:

(Start: 8 @12871 has 1 MA's), (Start: 12 @12916 has 5 MA's), (Start: 20 @12943 has 1 MA's), (31, 13021), (42, 13087), (49, 13111), (56, 13174), (66, 13231), (73, 13264), (77, 13276), (78, 13279), (79, 13282),

Gene: Bxz2_19 Start: 12890, Stop: 13261, Start Num: 14

Candidate Starts for Bxz2_19:

(Start: 14 @12890 has 770 MA's), (Start: 20 @12914 has 1 MA's), (28, 12974), (31, 12992), (56, 13142), (71, 13223), (72, 13229), (78, 13247), (79, 13250),

Gene: C3_16 Start: 13381, Stop: 13758, Start Num: 14

Candidate Starts for C3_16:

(Start: 14 @13381 has 770 MA's), (21, 13408), (23, 13414), (25, 13444), (31, 13483), (40, 13540), (51, 13585), (61, 13666), (71, 13720), (77, 13741), (78, 13744), (79, 13747),

Gene: CRB1_18 Start: 13355, Stop: 13732, Start Num: 14

Candidate Starts for CRB1_18:

(Start: 14 @13355 has 770 MA's), (21, 13382), (23, 13388), (25, 13418), (31, 13457), (62, 13643), (71, 13694), (78, 13718), (79, 13721),

Gene: CactusRose_16 Start: 12650, Stop: 13099, Start Num: 14

Candidate Starts for CactusRose_16:

(Start: 14 @12650 has 770 MA's), (Start: 20 @12674 has 1 MA's), (71, 12986), (81, 13061),

Gene: Caelakin_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Caelakin_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: CallinAllBarbz_8 Start: 5770, Stop: 6195, Start Num: 14

Candidate Starts for CallinAllBarbz_8:

(Start: 14 @5770 has 770 MA's), (42, 5944), (49, 5968), (79, 6148),

Gene: Calvinny_20 Start: 12870, Stop: 13241, Start Num: 14

Candidate Starts for Calvinny_20:

(Start: 14 @12870 has 770 MA's), (Start: 20 @12894 has 1 MA's), (28, 12954), (31, 12972), (56, 13122), (71, 13203), (72, 13209), (78, 13227), (79, 13230),

Gene: Camperdownii_16 Start: 12307, Stop: 12663, Start Num: 14

Candidate Starts for Camperdownii_16:

(Start: 14 @12307 has 770 MA's), (31, 12409), (42, 12457), (48, 12478), (56, 12544), (63, 12580), (71, 12625), (79, 12652),

Gene: Candra_21 Start: 13518, Stop: 13895, Start Num: 14

Candidate Starts for Candra_21:

(Start: 14 @13518 has 770 MA's), (21, 13545), (23, 13551), (24, 13578), (25, 13581), (31, 13620), (71, 13857), (78, 13881), (79, 13884),

Gene: Caraxes_17 Start: 12019, Stop: 12396, Start Num: 14

Candidate Starts for Caraxes_17:

(Start: 14 @12019 has 770 MA's), (21, 12046), (23, 12052), (25, 12082), (31, 12121), (71, 12358), (78, 12382), (79, 12385),

Gene: Carlyle_19 Start: 13779, Stop: 14228, Start Num: 14

Candidate Starts for Carlyle_19:

(Start: 14 @13779 has 770 MA's), (Start: 20 @13803 has 1 MA's), (71, 14115), (81, 14190),

Gene: Catalina_19 Start: 14141, Stop: 14518, Start Num: 14

Candidate Starts for Catalina_19:

(Start: 14 @14141 has 770 MA's), (31, 14243), (68, 14462), (71, 14480), (72, 14486),

Gene: Caviar_18 Start: 12884, Stop: 13258, Start Num: 14

Candidate Starts for Caviar_18:

(Start: 14 @12884 has 770 MA's), (Start: 20 @12908 has 1 MA's), (31, 12986), (42, 13052), (48, 13073), (56, 13139), (71, 13220), (78, 13244),

Gene: Centaur_20 Start: 13861, Stop: 14238, Start Num: 14

Candidate Starts for Centaur_20:

(Start: 14 @13861 has 770 MA's), (21, 13888), (23, 13894), (25, 13924), (31, 13963), (36, 13993), (51, 14065), (71, 14200), (77, 14221), (78, 14224), (79, 14227),

Gene: CentreCat_17 Start: 12689, Stop: 13045, Start Num: 14

Candidate Starts for CentreCat_17:

(Start: 14 @12689 has 770 MA's), (31, 12791), (42, 12839), (48, 12860), (56, 12926), (63, 12962), (71, 13007), (79, 13034),

Gene: Cerulean_18 Start: 13001, Stop: 13357, Start Num: 14

Candidate Starts for Cerulean_18:

(Start: 14 @13001 has 770 MA's), (31, 13103), (42, 13151), (48, 13172), (56, 13238), (63, 13274), (71, 13319), (79, 13346),

Gene: Chadwick_15 Start: 11608, Stop: 11982, Start Num: 13

Candidate Starts for Chadwick_15:

(Start: 13 @11608 has 49 MA's), (Start: 20 @11632 has 1 MA's), (22, 11638), (49, 11800), (56, 11863), (67, 11923), (71, 11944), (77, 11965), (78, 11968), (79, 11971),

Gene: ChampagnePapi_18 Start: 13000, Stop: 13356, Start Num: 14

Candidate Starts for ChampagnePapi_18:

(Start: 14 @13000 has 770 MA's), (31, 13102), (42, 13150), (48, 13171), (56, 13237), (63, 13273), (71, 13318), (79, 13345),

Gene: Chanagan_16 Start: 12489, Stop: 12938, Start Num: 14

Candidate Starts for Chanagan_16:

(Start: 14 @12489 has 770 MA's), (Start: 20 @12513 has 1 MA's), (71, 12825), (81, 12900),

Gene: Changeling_21 Start: 15226, Stop: 15603, Start Num: 14

Candidate Starts for Changeling_21:

(Start: 14 @15226 has 770 MA's), (21, 15253), (22, 15256), (25, 15289), (31, 15328), (37, 15364), (51, 15430), (77, 15586), (78, 15589), (79, 15592),

Gene: Chaph_17 Start: 12697, Stop: 13053, Start Num: 14

Candidate Starts for Chaph_17:

(Start: 14 @12697 has 770 MA's), (31, 12799), (42, 12847), (48, 12868), (56, 12934), (63, 12970), (71, 13015), (79, 13042),

Gene: Chargerpower_18 Start: 12591, Stop: 12968, Start Num: 14

Candidate Starts for Chargerpower_18:

(Start: 14 @12591 has 770 MA's), (22, 12621), (24, 12651), (31, 12693), (51, 12795), (61, 12876), (71, 12930), (77, 12951), (78, 12954), (79, 12957),

Gene: Charm_18 Start: 12322, Stop: 12699, Start Num: 14

Candidate Starts for Charm_18:

(Start: 14 @12322 has 770 MA's), (31, 12424), (39, 12475), (62, 12610), (68, 12643), (71, 12661), (78, 12685), (79, 12688),

Gene: Chartreuse_21 Start: 13431, Stop: 13808, Start Num: 14

Candidate Starts for Chartreuse_21:

(Start: 14 @13431 has 770 MA's), (21, 13458), (23, 13464), (24, 13491), (25, 13494), (31, 13533), (71, 13770), (78, 13794), (79, 13797),

Gene: Che12_20 Start: 12285, Stop: 12662, Start Num: 14

Candidate Starts for Che12_20:

(Start: 14 @12285 has 770 MA's), (21, 12312), (23, 12318), (25, 12348), (31, 12387), (71, 12624), (78, 12648), (79, 12651),

Gene: ChipMunk_20 Start: 13771, Stop: 14148, Start Num: 14

Candidate Starts for ChipMunk_20:

(Start: 14 @13771 has 770 MA's), (22, 13801), (23, 13804), (25, 13834), (31, 13873), (51, 13975), (71, 14110), (72, 14116), (78, 14134), (79, 14137),

Gene: Chiqui_16 Start: 12580, Stop: 12954, Start Num: 14

Candidate Starts for Chiqui_16:

(Start: 14 @12580 has 770 MA's), (31, 12682), (42, 12748), (48, 12769), (56, 12835), (67, 12895), (71, 12916), (78, 12940),

Gene: Chupacabra_17 Start: 12449, Stop: 12823, Start Num: 14

Candidate Starts for Chupacabra_17:

(Start: 14 @12449 has 770 MA's), (31, 12551), (42, 12617), (48, 12638), (56, 12704), (63, 12740), (71, 12785), (72, 12791), (79, 12812),

Gene: Ciao_17 Start: 12876, Stop: 13325, Start Num: 14

Candidate Starts for Ciao_17:

(Start: 14 @12876 has 770 MA's), (71, 13212), (81, 13287),

Gene: Cici_17 Start: 12681, Stop: 13037, Start Num: 14

Candidate Starts for Cici_17:

(Start: 14 @12681 has 770 MA's), (31, 12783), (42, 12831), (48, 12852), (56, 12918), (63, 12954), (74, 13011), (79, 13026),

Gene: Cindaradix_16 Start: 12415, Stop: 12771, Start Num: 14

Candidate Starts for Cindaradix_16:

(Start: 14 @12415 has 770 MA's), (31, 12517), (42, 12565), (48, 12586), (56, 12652), (63, 12688), (74, 12745), (79, 12760),

Gene: Cintron_17 Start: 12736, Stop: 13092, Start Num: 14

Candidate Starts for Cintron_17:

(Start: 14 @12736 has 770 MA's), (31, 12838), (42, 12886), (48, 12907), (56, 12973), (63, 13009), (71, 13054), (79, 13081),

Gene: Citius_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Citius_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Clarenza_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for Clarenza_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: CloudWang3_21 Start: 13462, Stop: 13839, Start Num: 14

Candidate Starts for CloudWang3_21:

(Start: 14 @13462 has 770 MA's), (21, 13489), (23, 13495), (24, 13522), (25, 13525), (31, 13564), (71, 13801), (78, 13825), (79, 13828),

Gene: Cocoaberry_17 Start: 12692, Stop: 13048, Start Num: 14

Candidate Starts for Cocoaberry_17:

(Start: 14 @12692 has 770 MA's), (31, 12794), (42, 12842), (48, 12863), (56, 12929), (63, 12965), (71, 13010), (79, 13037),

Gene: Colbster_19 Start: 12796, Stop: 13167, Start Num: 14

Candidate Starts for Colbster_19:

(Start: 14 @12796 has 770 MA's), (Start: 20 @12820 has 1 MA's), (28, 12880), (31, 12898), (56, 13048), (71, 13129), (72, 13135), (78, 13153), (79, 13156),

Gene: Colin_22 Start: 15065, Stop: 15442, Start Num: 14

Candidate Starts for Colin_22:

(Start: 14 @15065 has 770 MA's), (Start: 20 @15089 has 1 MA's), (21, 15092), (25, 15128), (31, 15167), (37, 15203), (51, 15269), (71, 15404), (77, 15425), (78, 15428), (79, 15431),

Gene: Commander_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Commander_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: ConceptII_18 Start: 13371, Stop: 13820, Start Num: 14

Candidate Starts for ConceptII_18:

(Start: 14 @13371 has 770 MA's), (71, 13707), (81, 13782),

Gene: Connomayer_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Connomayer_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (61, 12955), (63, 12961), (71, 13006), (79, 13033),

Gene: Conquerage_19 Start: 14170, Stop: 14547, Start Num: 14

Candidate Starts for Conquerage_19:

(Start: 14 @14170 has 770 MA's), (31, 14272), (68, 14491), (71, 14509), (72, 14515),

Gene: Conspiracy_14 Start: 11624, Stop: 11998, Start Num: 13

Candidate Starts for Conspiracy_14:

(Start: 13 @11624 has 49 MA's), (Start: 20 @11648 has 1 MA's), (22, 11654), (42, 11792), (49, 11816), (56, 11879), (67, 11939), (71, 11960), (77, 11981), (78, 11984), (79, 11987),

Gene: Coog_14 Start: 11768, Stop: 12142, Start Num: 13

Candidate Starts for Coog_14:

(Start: 13 @11768 has 49 MA's), (Start: 20 @11792 has 1 MA's), (22, 11798), (42, 11936), (49, 11960), (56, 12023), (67, 12083), (71, 12104), (77, 12125), (78, 12128), (79, 12131),

Gene: CookieBear_10 Start: 7295, Stop: 7651, Start Num: 14

Candidate Starts for CookieBear_10:

(Start: 14 @7295 has 770 MA's), (30, 7394), (32, 7400), (48, 7466), (65, 7595), (68, 7610), (73, 7637),

Gene: Cookiedough_21 Start: 13475, Stop: 13852, Start Num: 14

Candidate Starts for Cookiedough_21:

(Start: 14 @13475 has 770 MA's), (21, 13502), (23, 13508), (24, 13535), (25, 13538), (31, 13577), (71, 13814), (78, 13838), (79, 13841),

Gene: Corvo_17 Start: 13368, Stop: 13817, Start Num: 14

Candidate Starts for Corvo_17:

(Start: 14 @13368 has 770 MA's), (Start: 20 @13392 has 1 MA's), (71, 13704), (81, 13779),

Gene: CosmicSans_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for CosmicSans_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (42, 9084), (51, 9120), (53, 9141), (56, 9171), (67, 9231), (70, 9249), (71, 9255), (75, 9276),

Gene: Crispicous1_16 Start: 12360, Stop: 12809, Start Num: 14

Candidate Starts for Crispicous1_16:

(Start: 14 @12360 has 770 MA's), (Start: 20 @12384 has 1 MA's), (71, 12696), (81, 12771),

Gene: Crucio_18 Start: 13318, Stop: 13695, Start Num: 14

Candidate Starts for Crucio_18:

(Start: 14 @13318 has 770 MA's), (22, 13348), (23, 13351), (25, 13381), (31, 13420), (51, 13522), (71, 13657), (72, 13663), (78, 13681),

Gene: Cuco_14 Start: 11799, Stop: 12173, Start Num: 13

Candidate Starts for Cuco_14:

(Start: 13 @11799 has 49 MA's), (Start: 20 @11823 has 1 MA's), (22, 11829), (42, 11967), (49, 11991), (56, 12054), (67, 12114), (71, 12135), (77, 12156), (78, 12159), (79, 12162),

Gene: Cueylyss_17 Start: 13061, Stop: 13510, Start Num: 14

Candidate Starts for Cueylyss_17:

(Start: 14 @13061 has 770 MA's), (71, 13397), (81, 13472),

Gene: Cullens_19 Start: 12794, Stop: 13165, Start Num: 14

Candidate Starts for Cullens_19:

(Start: 14 @12794 has 770 MA's), (Start: 20 @12818 has 1 MA's), (28, 12878), (31, 12896), (56, 13046), (71, 13127), (72, 13133), (78, 13151), (79, 13154),

Gene: D29_19 Start: 13272, Stop: 13646, Start Num: 14

Candidate Starts for D29_19:

(Start: 14 @13272 has 770 MA's), (21, 13299), (23, 13305), (25, 13335), (31, 13374), (37, 13410), (49, 13461), (51, 13473), (67, 13584), (71, 13608), (78, 13632), (79, 13635),

Gene: D32_21 Start: 13272, Stop: 13646, Start Num: 14

Candidate Starts for D32_21:

(Start: 14 @13272 has 770 MA's), (21, 13299), (23, 13305), (25, 13335), (31, 13374), (37, 13410), (49, 13461), (51, 13473), (67, 13584), (71, 13608), (78, 13632), (79, 13635),

Gene: DBQu4n_21 Start: 13272, Stop: 13646, Start Num: 14

Candidate Starts for DBQu4n_21:

(Start: 14 @13272 has 770 MA's), (21, 13299), (23, 13305), (25, 13335), (31, 13374), (37, 13410), (49, 13461), (51, 13473), (67, 13584), (71, 13608), (78, 13632), (79, 13635),

Gene: DD5_18 Start: 13610, Stop: 14059, Start Num: 14

Candidate Starts for DD5_18:

(Start: 14 @13610 has 770 MA's), (Start: 20 @13634 has 1 MA's), (71, 13946), (81, 14021),

Gene: DaHudson_19 Start: 12788, Stop: 13159, Start Num: 14

Candidate Starts for DaHudson_19:

(Start: 14 @12788 has 770 MA's), (Start: 20 @12812 has 1 MA's), (28, 12872), (31, 12890), (56, 13040), (71, 13121), (72, 13127), (78, 13145), (79, 13148),

Gene: DaVinci_21 Start: 13485, Stop: 13862, Start Num: 14

Candidate Starts for DaVinci_21:

(Start: 14 @13485 has 770 MA's), (21, 13512), (23, 13518), (24, 13545), (25, 13548), (31, 13587), (71, 13824), (78, 13848), (79, 13851),

Gene: Daishi_18 Start: 11721, Stop: 12092, Start Num: 14

Candidate Starts for Daishi_18:

(Start: 14 @11721 has 770 MA's), (Start: 20 @11745 has 1 MA's), (28, 11805), (31, 11823), (56, 11973), (71, 12054), (72, 12060), (78, 12078), (79, 12081),

Gene: Dalmatian_18 Start: 13468, Stop: 13845, Start Num: 14

Candidate Starts for Dalmatian_18:

(Start: 14 @13468 has 770 MA's), (22, 13498), (23, 13501), (25, 13531), (31, 13570), (51, 13672), (71, 13807), (78, 13831), (79, 13834),

Gene: Danforth_13 Start: 11377, Stop: 11751, Start Num: 13

Candidate Starts for Danforth_13:

(Start: 13 @11377 has 49 MA's), (42, 11545), (49, 11569), (51, 11581), (56, 11632), (66, 11689), (67, 11692), (71, 11713), (77, 11734), (78, 11737),

Gene: Darrell_20 Start: 14332, Stop: 14709, Start Num: 14

Candidate Starts for Darrell_20:

(Start: 14 @14332 has 770 MA's), (25, 14395), (31, 14434), (36, 14464), (39, 14485), (40, 14491), (62, 14620), (68, 14653), (71, 14671), (72, 14677), (78, 14695), (79, 14698),

Gene: DARTHPhader_19 Start: 14307, Stop: 14684, Start Num: 14

Candidate Starts for DARTHPhader_19:

(Start: 14 @14307 has 770 MA's), (22, 14337), (24, 14367), (25, 14370), (31, 14409), (36, 14439), (48, 14496), (51, 14511), (53, 14532), (71, 14646), (72, 14652), (78, 14670),

Gene: Datway_17 Start: 12699, Stop: 13055, Start Num: 14

Candidate Starts for Datway_17:

(Start: 14 @12699 has 770 MA's), (31, 12801), (42, 12849), (48, 12870), (56, 12936), (61, 12966), (63, 12972), (71, 13017), (79, 13044),

Gene: Deano_17 Start: 12696, Stop: 13052, Start Num: 14

Candidate Starts for Deano_17:

(Start: 14 @12696 has 770 MA's), (31, 12798), (42, 12846), (48, 12867), (56, 12933), (63, 12969), (71, 13014), (79, 13041),

Gene: DekHockey33_20 Start: 12612, Stop: 12989, Start Num: 14

Candidate Starts for DekHockey33_20:

(Start: 14 @12612 has 770 MA's), (31, 12714), (49, 12804), (72, 12957), (78, 12975), (79, 12978),

Gene: Deloris_19 Start: 13799, Stop: 14176, Start Num: 14

Candidate Starts for Deloris_19:

(Start: 14 @13799 has 770 MA's), (22, 13829), (23, 13832), (25, 13862), (31, 13901), (71, 14138), (78, 14162), (79, 14165),

Gene: Dexes_18 Start: 13576, Stop: 14025, Start Num: 14

Candidate Starts for Dexes_18:

(Start: 14 @13576 has 770 MA's), (Start: 20 @13600 has 1 MA's), (71, 13912), (81, 13987),

Gene: Dhanush_17 Start: 12691, Stop: 13047, Start Num: 14

Candidate Starts for Dhanush_17:

(Start: 14 @12691 has 770 MA's), (31, 12793), (42, 12841), (48, 12862), (56, 12928), (63, 12964), (71, 13009), (79, 13036),

Gene: Dieselweasel_19 Start: 12797, Stop: 13168, Start Num: 14

Candidate Starts for Dieselweasel_19:

(Start: 14 @12797 has 770 MA's), (Start: 20 @12821 has 1 MA's), (28, 12881), (31, 12899), (56, 13049), (71, 13130), (72, 13136), (78, 13154), (79, 13157),

Gene: Dignity_20 Start: 13780, Stop: 14157, Start Num: 14

Candidate Starts for Dignity_20:

(Start: 14 @13780 has 770 MA's), (22, 13810), (23, 13813), (25, 13843), (31, 13882), (62, 14068), (71, 14119), (78, 14143), (79, 14146),

Gene: Dinger_14 Start: 8880, Stop: 9260, Start Num: 14

Candidate Starts for Dinger_14:

(Start: 14 @8880 has 770 MA's), (Start: 20 @8904 has 1 MA's), (27, 8952), (38, 9021), (42, 9048), (56, 9135), (70, 9213), (71, 9219), (75, 9240),

Gene: DirtyDunning_17 Start: 12684, Stop: 13040, Start Num: 14

Candidate Starts for DirtyDunning_17:

(Start: 14 @12684 has 770 MA's), (31, 12786), (42, 12834), (48, 12855), (56, 12921), (63, 12957), (71, 13002), (79, 13029),

Gene: Discoknowium_14 Start: 11914, Stop: 12288, Start Num: 13

Candidate Starts for Discoknowium_14:

(Start: 13 @11914 has 49 MA's), (Start: 20 @11938 has 1 MA's), (22, 11944), (42, 12082), (49, 12106), (56, 12169), (67, 12229), (71, 12250), (77, 12271), (78, 12274), (79, 12277),

Gene: Dixon_14 Start: 11396, Stop: 11770, Start Num: 13

Candidate Starts for Dixon_14:

(Start: 13 @11396 has 49 MA's), (42, 11564), (49, 11588), (51, 11600), (56, 11651), (66, 11708), (67, 11711), (71, 11732), (77, 11753), (78, 11756),

Gene: DontArgue_16 Start: 10707, Stop: 11081, Start Num: 14

Candidate Starts for DontArgue_16:

(Start: 14 @10707 has 770 MA's), (31, 10809), (42, 10875), (48, 10896), (49, 10899), (56, 10962), (63, 10998), (71, 11043), (72, 11049), (79, 11070),

Gene: Doom_18 Start: 13634, Stop: 14083, Start Num: 14

Candidate Starts for Doom_18:

(Start: 14 @13634 has 770 MA's), (Start: 20 @13658 has 1 MA's), (71, 13970), (81, 14045),

Gene: Dorothea_21 Start: 13486, Stop: 13863, Start Num: 14

Candidate Starts for Dorothea_21:

(Start: 14 @13486 has 770 MA's), (21, 13513), (23, 13519), (24, 13546), (25, 13549), (31, 13588), (71, 13825), (78, 13849), (79, 13852),

Gene: DrFeelGood_16 Start: 12986, Stop: 13435, Start Num: 14

Candidate Starts for DrFeelGood_16:

(Start: 14 @12986 has 770 MA's), (Start: 20 @13010 has 1 MA's), (71, 13322), (81, 13397),

Gene: Drake55_20 Start: 13879, Stop: 14256, Start Num: 14

Candidate Starts for Drake55_20:

(Start: 14 @13879 has 770 MA's), (21, 13906), (23, 13912), (25, 13942), (31, 13981), (36, 14011), (51, 14083), (71, 14218), (77, 14239), (78, 14242), (79, 14245),

Gene: Drake94_16 Start: 10540, Stop: 10914, Start Num: 14

Candidate Starts for Drake94_16:

(Start: 14 @10540 has 770 MA's), (31, 10642), (42, 10708), (48, 10729), (50, 10735), (56, 10795), (63, 10831), (67, 10855), (79, 10903),

Gene: DreamCatcher_20 Start: 14343, Stop: 14792, Start Num: 14

Candidate Starts for DreamCatcher_20:

(Start: 14 @14343 has 770 MA's), (Start: 20 @14367 has 1 MA's), (71, 14679), (81, 14754),

Gene: DreamTeam1_18 Start: 12322, Stop: 12699, Start Num: 14

Candidate Starts for DreamTeam1_18:

(Start: 14 @12322 has 770 MA's), (31, 12424), (39, 12475), (62, 12610), (68, 12643), (71, 12661), (78, 12685), (79, 12688),

Gene: Dreamboat_18 Start: 12810, Stop: 13259, Start Num: 14

Candidate Starts for Dreamboat_18:

(Start: 14 @12810 has 770 MA's), (Start: 20 @12834 has 1 MA's), (71, 13146), (81, 13221),

Gene: DroogsArmy_18 Start: 14037, Stop: 14411, Start Num: 14

Candidate Starts for DroogsArmy_18:

(Start: 14 @14037 has 770 MA's), (31, 14139), (42, 14205), (43, 14208), (48, 14226), (49, 14229), (50, 14232), (56, 14292), (59, 14307), (71, 14373), (74, 14385), (78, 14397), (79, 14400),

Gene: DropBear_17 Start: 12403, Stop: 12777, Start Num: 14

Candidate Starts for DropBear_17:

(Start: 14 @12403 has 770 MA's), (31, 12505), (42, 12571), (48, 12592), (56, 12658), (71, 12739), (72, 12745), (78, 12763),

Gene: Druantia_17 Start: 12689, Stop: 13045, Start Num: 14

Candidate Starts for Druantia_17:

(Start: 14 @12689 has 770 MA's), (31, 12791), (42, 12839), (48, 12860), (56, 12926), (63, 12962), (71, 13007), (79, 13034),

Gene: Dublin_13 Start: 11767, Stop: 12141, Start Num: 13

Candidate Starts for Dublin_13:

(Start: 13 @11767 has 49 MA's), (Start: 20 @11791 has 1 MA's), (22, 11797), (42, 11935), (49, 11959), (56, 12022), (67, 12082), (71, 12103), (77, 12124), (78, 12127), (79, 12130),

Gene: DudeLittle_18 Start: 13470, Stop: 13847, Start Num: 14

Candidate Starts for DudeLittle_18:

(Start: 14 @13470 has 770 MA's), (22, 13500), (23, 13503), (25, 13533), (31, 13572), (51, 13674), (71, 13809), (78, 13833), (79, 13836),

Gene: Dulcie_16 Start: 12552, Stop: 13001, Start Num: 14

Candidate Starts for Dulcie_16:

(Start: 14 @12552 has 770 MA's), (Start: 20 @12576 has 1 MA's), (71, 12888), (81, 12963),

Gene: Duplo_21 Start: 13313, Stop: 13687, Start Num: 14

Candidate Starts for Duplo_21:

(Start: 14 @13313 has 770 MA's), (21, 13340), (23, 13346), (25, 13376), (31, 13415), (37, 13451), (49, 13502), (51, 13514), (67, 13625), (71, 13649), (78, 13673), (79, 13676),

Gene: Dussy_18 Start: 13206, Stop: 13655, Start Num: 14

Candidate Starts for Dussy_18:

(Start: 14 @13206 has 770 MA's), (Start: 20 @13230 has 1 MA's), (71, 13542), (81, 13617),

Gene: DustyMartin_20 Start: 12519, Stop: 12893, Start Num: 14

Candidate Starts for DustyMartin_20:

(Start: 14 @12519 has 770 MA's), (26, 12588), (31, 12621), (48, 12708), (56, 12774), (71, 12855), (74, 12867), (79, 12882),

Gene: Dynamix_18 Start: 12962, Stop: 13411, Start Num: 14

Candidate Starts for Dynamix_18:

(Start: 14 @12962 has 770 MA's), (Start: 20 @12986 has 1 MA's), (71, 13298), (81, 13373),

Gene: EZMoney23_22 Start: 15354, Stop: 15731, Start Num: 14

Candidate Starts for EZMoney23_22:

(Start: 14 @15354 has 770 MA's), (21, 15381), (22, 15384), (25, 15417), (31, 15456), (51, 15558), (69, 15684), (71, 15693), (77, 15714), (78, 15717), (79, 15720),

Gene: Eagle_16 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Eagle_16:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: EagleEye_20 Start: 13616, Stop: 13993, Start Num: 14

Candidate Starts for EagleEye_20:

(6, 13511), (Start: 14 @13616 has 770 MA's), (21, 13643), (25, 13679), (26, 13685), (31, 13718), (57, 13874), (71, 13955), (72, 13961), (77, 13976), (79, 13982),

Gene: Eaglepride_18 Start: 12459, Stop: 12833, Start Num: 14

Candidate Starts for Eaglepride_18:

(Start: 14 @12459 has 770 MA's), (31, 12561), (42, 12627), (44, 12633), (48, 12648), (49, 12651), (50, 12654), (56, 12714), (63, 12750), (71, 12795), (72, 12801), (74, 12807), (79, 12822),

Gene: Eapen_17 Start: 12687, Stop: 13043, Start Num: 14

Candidate Starts for Eapen_17:

(Start: 14 @12687 has 770 MA's), (31, 12789), (42, 12837), (48, 12858), (56, 12924), (63, 12960), (71, 13005), (79, 13032),

Gene: Ebony_18 Start: 13977, Stop: 14354, Start Num: 14

Candidate Starts for Ebony_18:

(Start: 14 @13977 has 770 MA's), (Start: 20 @14001 has 1 MA's), (25, 14040), (31, 14079), (33, 14085), (77, 14337), (78, 14340), (79, 14343),

Gene: Echild_18 Start: 13473, Stop: 13850, Start Num: 14

Candidate Starts for Echild_18:

(Start: 14 @13473 has 770 MA's), (22, 13503), (23, 13506), (25, 13536), (31, 13575), (49, 13665), (51, 13677), (71, 13812), (78, 13836), (79, 13839),

Gene: Edison31_17 Start: 12483, Stop: 12857, Start Num: 14

Candidate Starts for Edison31_17:

(Start: 14 @12483 has 770 MA's), (31, 12585), (42, 12651), (48, 12672), (56, 12738), (63, 12774), (71, 12819), (79, 12846),

Gene: EdogawaKiddo_17 Start: 14140, Stop: 14517, Start Num: 14

Candidate Starts for EdogawaKiddo_17:

(Start: 14 @14140 has 770 MA's), (31, 14242), (68, 14461), (71, 14479), (72, 14485),

Gene: Edtherson_18 Start: 13704, Stop: 14153, Start Num: 14

Candidate Starts for Edtherson_18:

(Start: 14 @13704 has 770 MA's), (Start: 20 @13728 has 1 MA's), (71, 14040), (81, 14115),

Gene: Eidsmoe_19 Start: 14170, Stop: 14547, Start Num: 14

Candidate Starts for Eidsmoe_19:

(Start: 14 @14170 has 770 MA's), (31, 14272), (68, 14491), (71, 14509), (72, 14515),

Gene: EITiger69_14 Start: 11638, Stop: 12012, Start Num: 13

Candidate Starts for EITiger69_14:

(Start: 13 @11638 has 49 MA's), (Start: 20 @11662 has 1 MA's), (22, 11668), (49, 11830), (56, 11893), (66, 11950), (67, 11953), (71, 11974), (77, 11995), (78, 11998), (79, 12001),

Gene: Elephantoon_19 Start: 13761, Stop: 14138, Start Num: 14

Candidate Starts for Elephantoon_19:

(Start: 14 @13761 has 770 MA's), (31, 13863), (39, 13914), (68, 14082), (71, 14100), (72, 14106), (78, 14124), (79, 14127),

Gene: EmyBug_19 Start: 14170, Stop: 14547, Start Num: 14

Candidate Starts for EmyBug_19:

(Start: 14 @14170 has 770 MA's), (31, 14272), (68, 14491), (71, 14509), (72, 14515),

Gene: EpicPhail_19 Start: 12796, Stop: 13167, Start Num: 14

Candidate Starts for EpicPhail_19:

(Start: 14 @12796 has 770 MA's), (Start: 20 @12820 has 1 MA's), (28, 12880), (31, 12898), (56, 13048), (71, 13129), (72, 13135), (78, 13153), (79, 13156),

Gene: Epsocamisio_20 Start: 12490, Stop: 12867, Start Num: 14

Candidate Starts for Epsocamisio_20:

(Start: 14 @12490 has 770 MA's), (31, 12592), (49, 12682), (72, 12835), (78, 12853), (79, 12856),

Gene: Equemioh13_20 Start: 13864, Stop: 14241, Start Num: 14

Candidate Starts for Equemioh13_20:

(Start: 14 @13864 has 770 MA's), (21, 13891), (23, 13897), (25, 13927), (31, 13966), (36, 13996), (51, 14068), (71, 14203), (77, 14224), (78, 14227), (79, 14230),

Gene: EricB_21 Start: 13475, Stop: 13852, Start Num: 14

Candidate Starts for EricB_21:

(Start: 14 @13475 has 770 MA's), (21, 13502), (23, 13508), (24, 13535), (25, 13538), (31, 13577), (71, 13814), (78, 13838), (79, 13841),

Gene: Erik_14 Start: 8915, Stop: 9295, Start Num: 14

Candidate Starts for Erik_14:

(Start: 14 @8915 has 770 MA's), (Start: 20 @8939 has 1 MA's), (27, 8987), (42, 9083), (51, 9119), (53, 9140), (56, 9170), (67, 9230), (70, 9248), (71, 9254), (75, 9275),

Gene: Eris_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Eris_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Eros_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Eros_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Espica_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for Espica_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (42, 9084), (51, 9120), (53, 9141), (56, 9171), (67, 9231), (70, 9249), (71, 9255), (75, 9276),

Gene: Espresso_17 Start: 13014, Stop: 13463, Start Num: 14

Candidate Starts for Espresso_17:

(Start: 14 @13014 has 770 MA's), (Start: 20 @13038 has 1 MA's), (71, 13350), (81, 13425),

Gene: Et2Brutus_17 Start: 13931, Stop: 14308, Start Num: 14

Candidate Starts for Et2Brutus_17:

(Start: 14 @13931 has 770 MA's), (Start: 20 @13955 has 1 MA's), (25, 13994), (31, 14033), (33, 14039), (77, 14291), (78, 14294), (79, 14297),

Gene: Euphoria_17 Start: 12906, Stop: 13355, Start Num: 14

Candidate Starts for Euphoria_17:

(Start: 14 @12906 has 770 MA's), (Start: 20 @12930 has 1 MA's), (71, 13242), (81, 13317),

Gene: Eurydice_17 Start: 12685, Stop: 13041, Start Num: 14
Candidate Starts for Eurydice_17:
(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: EvePickles_10 Start: 7351, Stop: 7707, Start Num: 14
Candidate Starts for EvePickles_10:
(Start: 14 @7351 has 770 MA's), (26, 7420), (32, 7456), (42, 7501), (47, 7516), (48, 7522), (63, 7636), (73, 7693),

Gene: EvilGenius_20 Start: 13781, Stop: 14158, Start Num: 14
Candidate Starts for EvilGenius_20:
(Start: 14 @13781 has 770 MA's), (22, 13811), (23, 13814), (25, 13844), (31, 13883), (51, 13985), (71, 14120), (72, 14126), (78, 14144), (79, 14147),

Gene: Expelliarmus_13 Start: 11363, Stop: 11737, Start Num: 13
Candidate Starts for Expelliarmus_13:
(Start: 13 @11363 has 49 MA's), (42, 11531), (49, 11555), (51, 11567), (56, 11618), (66, 11675), (67, 11678), (71, 11699), (77, 11720), (78, 11723),

Gene: ExplosioNervosa_19 Start: 14173, Stop: 14550, Start Num: 14
Candidate Starts for ExplosioNervosa_19:
(Start: 14 @14173 has 770 MA's), (31, 14275), (68, 14494), (71, 14512), (72, 14518),

Gene: Eyeball_17 Start: 12645, Stop: 13094, Start Num: 14
Candidate Starts for Eyeball_17:
(Start: 14 @12645 has 770 MA's), (Start: 20 @12669 has 1 MA's), (71, 12981), (81, 13056),

Gene: Faja_10 Start: 7295, Stop: 7651, Start Num: 14
Candidate Starts for Faja_10:
(Start: 14 @7295 has 770 MA's), (26, 7364), (32, 7400), (42, 7445), (47, 7460), (48, 7466), (63, 7580), (73, 7637),

Gene: Fajezeel_19 Start: 13225, Stop: 13674, Start Num: 14
Candidate Starts for Fajezeel_19:
(Start: 14 @13225 has 770 MA's), (Start: 20 @13249 has 1 MA's), (71, 13561), (81, 13636),

Gene: Fameo_18 Start: 13396, Stop: 13773, Start Num: 14
Candidate Starts for Fameo_18:
(Start: 14 @13396 has 770 MA's), (21, 13423), (23, 13429), (25, 13459), (31, 13498), (35, 13522), (51, 13600), (71, 13735), (78, 13759),

Gene: Farber_19 Start: 12789, Stop: 13160, Start Num: 14
Candidate Starts for Farber_19:
(Start: 14 @12789 has 770 MA's), (Start: 20 @12813 has 1 MA's), (28, 12873), (31, 12891), (56, 13041), (71, 13122), (72, 13128), (78, 13146), (79, 13149),

Gene: Fascinus_16 Start: 12648, Stop: 13097, Start Num: 14
Candidate Starts for Fascinus_16:
(Start: 14 @12648 has 770 MA's), (Start: 20 @12672 has 1 MA's), (71, 12984), (81, 13059),

Gene: Fayely_19 Start: 14173, Stop: 14550, Start Num: 14
Candidate Starts for Fayely_19:

(Start: 14 @14173 has 770 MA's), (31, 14275), (68, 14494), (71, 14512), (72, 14518),

Gene: Fenn_18 Start: 14453, Stop: 14902, Start Num: 14

Candidate Starts for Fenn_18:

(Start: 14 @14453 has 770 MA's), (Start: 20 @14477 has 1 MA's), (71, 14789), (81, 14864),

Gene: Fernando_19 Start: 12794, Stop: 13165, Start Num: 14

Candidate Starts for Fernando_19:

(Start: 14 @12794 has 770 MA's), (Start: 20 @12818 has 1 MA's), (28, 12878), (31, 12896), (56, 13046), (71, 13127), (72, 13133), (78, 13151), (79, 13154),

Gene: Fibonacci_18 Start: 13931, Stop: 14308, Start Num: 14

Candidate Starts for Fibonacci_18:

(Start: 14 @13931 has 770 MA's), (Start: 20 @13955 has 1 MA's), (25, 13994), (31, 14033), (33, 14039), (77, 14291), (78, 14294), (79, 14297),

Gene: FiringLine_18 Start: 13318, Stop: 13695, Start Num: 14

Candidate Starts for FiringLine_18:

(Start: 14 @13318 has 770 MA's), (22, 13348), (23, 13351), (25, 13381), (31, 13420), (51, 13522), (71, 13657), (72, 13663), (78, 13681),

Gene: First_0018 Start: 13386, Stop: 13763, Start Num: 14

Candidate Starts for First_0018:

(Start: 14 @13386 has 770 MA's), (22, 13416), (23, 13419), (25, 13449), (31, 13488), (51, 13590), (71, 13725), (78, 13749), (79, 13752),

Gene: Flare16_18 Start: 13422, Stop: 13799, Start Num: 14

Candidate Starts for Flare16_18:

(Start: 14 @13422 has 770 MA's), (21, 13449), (23, 13455), (25, 13485), (31, 13524), (36, 13554), (51, 13626), (71, 13761), (77, 13782), (78, 13785), (79, 13788),

Gene: Flaverint_18 Start: 13928, Stop: 14305, Start Num: 14

Candidate Starts for Flaverint_18:

(Start: 14 @13928 has 770 MA's), (Start: 20 @13952 has 1 MA's), (25, 13991), (31, 14030), (33, 14036), (77, 14288), (78, 14291), (79, 14294),

Gene: Florean_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for Florean_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: Flux_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Flux_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: FlyCatcher_21 Start: 14336, Stop: 14710, Start Num: 14

Candidate Starts for FlyCatcher_21:

(Start: 14 @14336 has 770 MA's), (31, 14438), (42, 14504), (44, 14510), (48, 14525), (56, 14591), (63, 14627), (71, 14672), (72, 14678), (78, 14696),

Gene: ForGetIt_14 Start: 11650, Stop: 12024, Start Num: 13

Candidate Starts for ForGetIt_14:

(Start: 13 @11650 has 49 MA's), (Start: 20 @11674 has 1 MA's), (22, 11680), (42, 11818), (49, 11842), (56, 11905), (67, 11965), (71, 11986), (77, 12007), (78, 12010), (79, 12013),

Gene: Forsytheast_16 Start: 12915, Stop: 13364, Start Num: 14

Candidate Starts for Forsytheast_16:

(Start: 14 @12915 has 770 MA's), (Start: 20 @12939 has 1 MA's), (71, 13251), (81, 13326),

Gene: Francis47_17 Start: 13462, Stop: 13911, Start Num: 14

Candidate Starts for Francis47_17:

(Start: 14 @13462 has 770 MA's), (Start: 20 @13486 has 1 MA's), (71, 13798), (81, 13873),

Gene: Fred313_17 Start: 12061, Stop: 12435, Start Num: 14

Candidate Starts for Fred313_17:

(Start: 14 @12061 has 770 MA's), (31, 12163), (42, 12229), (48, 12250), (56, 12316), (71, 12397), (78, 12421),

Gene: Froghopper_18 Start: 12878, Stop: 13327, Start Num: 14

Candidate Starts for Froghopper_18:

(Start: 14 @12878 has 770 MA's), (Start: 20 @12902 has 1 MA's), (71, 13214), (81, 13289),

Gene: Funston_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Funston_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Fushigi_18 Start: 13325, Stop: 13774, Start Num: 14

Candidate Starts for Fushigi_18:

(Start: 14 @13325 has 770 MA's), (Start: 20 @13349 has 1 MA's), (71, 13661), (81, 13736),

Gene: GMonster_16 Start: 12761, Stop: 13210, Start Num: 14

Candidate Starts for GMonster_16:

(Start: 14 @12761 has 770 MA's), (Start: 20 @12785 has 1 MA's), (71, 13097), (81, 13172),

Gene: Gadost_17 Start: 12692, Stop: 13048, Start Num: 14

Candidate Starts for Gadost_17:

(Start: 14 @12692 has 770 MA's), (31, 12794), (42, 12842), (48, 12863), (56, 12929), (63, 12965), (71, 13010), (79, 13037),

Gene: GageAP_19 Start: 13642, Stop: 14091, Start Num: 14

Candidate Starts for GageAP_19:

(Start: 14 @13642 has 770 MA's), (Start: 20 @13666 has 1 MA's), (71, 13978), (81, 14053),

Gene: Gail_17 Start: 12483, Stop: 12860, Start Num: 14

Candidate Starts for Gail_17:

(Start: 14 @12483 has 770 MA's), (23, 12516), (24, 12543), (25, 12546), (31, 12585), (53, 12708), (78, 12846), (79, 12849),

Gene: Gandalf20_18 Start: 13709, Stop: 14158, Start Num: 14

Candidate Starts for Gandalf20_18:

(Start: 14 @13709 has 770 MA's), (Start: 20 @13733 has 1 MA's), (71, 14045), (81, 14120),

Gene: Garak_22 Start: 13480, Stop: 13857, Start Num: 14

Candidate Starts for Garak_22:

(Start: 14 @13480 has 770 MA's), (21, 13507), (23, 13513), (24, 13540), (25, 13543), (31, 13582), (71, 13819), (78, 13843), (79, 13846),

Gene: GaugeLDP_20 Start: 14689, Stop: 15066, Start Num: 14

Candidate Starts for GaugeLDP_20:

(Start: 14 @14689 has 770 MA's), (21, 14716), (23, 14722), (25, 14752), (31, 14791), (62, 14977), (69, 15019), (71, 15028), (77, 15049), (78, 15052), (79, 15055),

Gene: Gemma_19 Start: 12870, Stop: 13241, Start Num: 14

Candidate Starts for Gemma_19:

(Start: 14 @12870 has 770 MA's), (Start: 20 @12894 has 1 MA's), (28, 12954), (31, 12972), (56, 13122), (71, 13203), (72, 13209), (78, 13227), (79, 13230),

Gene: George_13 Start: 11800, Stop: 12174, Start Num: 13

Candidate Starts for George_13:

(Start: 13 @11800 has 49 MA's), (Start: 20 @11824 has 1 MA's), (22, 11830), (42, 11968), (49, 11992), (56, 12055), (67, 12115), (71, 12136), (77, 12157), (78, 12160), (79, 12163),

Gene: Georgie2_19 Start: 13319, Stop: 13696, Start Num: 14

Candidate Starts for Georgie2_19:

(Start: 14 @13319 has 770 MA's), (22, 13349), (23, 13352), (25, 13382), (31, 13421), (51, 13523), (71, 13658), (72, 13664), (78, 13682),

Gene: Ghoulboy_14 Start: 11877, Stop: 12251, Start Num: 13

Candidate Starts for Ghoulboy_14:

(Start: 13 @11877 has 49 MA's), (Start: 20 @11901 has 1 MA's), (22, 11907), (49, 12069), (56, 12132), (61, 12162), (67, 12192), (71, 12213), (77, 12234), (78, 12237), (79, 12240),

Gene: Gilberta_18 Start: 13925, Stop: 14302, Start Num: 14

Candidate Starts for Gilberta_18:

(Start: 14 @13925 has 770 MA's), (Start: 20 @13949 has 1 MA's), (25, 13988), (31, 14027), (33, 14033), (77, 14285), (78, 14288), (79, 14291),

Gene: GingkoMaracino_19 Start: 12682, Stop: 13053, Start Num: 14

Candidate Starts for GingkoMaracino_19:

(Start: 14 @12682 has 770 MA's), (Start: 20 @12706 has 1 MA's), (28, 12766), (31, 12784), (56, 12934), (71, 13015), (72, 13021), (78, 13039), (79, 13042),

Gene: Giroux_17 Start: 12343, Stop: 12717, Start Num: 14

Candidate Starts for Giroux_17:

(Start: 14 @12343 has 770 MA's), (31, 12445), (42, 12511), (48, 12532), (56, 12598), (71, 12679), (72, 12685), (78, 12703),

Gene: Gladiator_21 Start: 13452, Stop: 13829, Start Num: 14

Candidate Starts for Gladiator_21:

(Start: 14 @13452 has 770 MA's), (21, 13479), (24, 13512), (25, 13515), (31, 13554), (54, 13695), (71, 13791), (78, 13815), (79, 13818),

Gene: Globfish_10 Start: 7340, Stop: 7696, Start Num: 14

Candidate Starts for Globfish_10:

(Start: 14 @7340 has 770 MA's), (26, 7409), (29, 7436), (30, 7439), (32, 7445), (46, 7502), (48, 7511), (65, 7640), (73, 7682),

Gene: Gollum_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for Gollum_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (42, 9084), (51, 9120), (53, 9141), (56, 9171), (67, 9231), (70, 9249), (71, 9255), (75, 9276),

Gene: Gompeii16_17 Start: 13410, Stop: 13859, Start Num: 14

Candidate Starts for Gompeii16_17:

(Start: 14 @13410 has 770 MA's), (Start: 20 @13434 has 1 MA's), (71, 13746), (81, 13821),

Gene: Goose_17 Start: 12450, Stop: 12824, Start Num: 14

Candidate Starts for Goose_17:

(Start: 14 @12450 has 770 MA's), (31, 12552), (42, 12618), (48, 12639), (56, 12705), (63, 12741), (71, 12786), (72, 12792), (79, 12813),

Gene: Gorpy_10 Start: 7304, Stop: 7660, Start Num: 14

Candidate Starts for Gorpy_10:

(Start: 14 @7304 has 770 MA's), (26, 7373), (30, 7403), (32, 7409), (46, 7466), (48, 7475), (65, 7604), (73, 7646),

Gene: Graduation_19 Start: 13675, Stop: 14124, Start Num: 14

Candidate Starts for Graduation_19:

(Start: 14 @13675 has 770 MA's), (Start: 20 @13699 has 1 MA's), (71, 14011), (81, 14086),

Gene: GrecoEtereo_18 Start: 13216, Stop: 13665, Start Num: 14

Candidate Starts for GrecoEtereo_18:

(Start: 14 @13216 has 770 MA's), (Start: 20 @13240 has 1 MA's), (71, 13552), (81, 13627),

Gene: GreedyLawyer_21 Start: 13484, Stop: 13861, Start Num: 14

Candidate Starts for GreedyLawyer_21:

(Start: 14 @13484 has 770 MA's), (21, 13511), (23, 13517), (24, 13544), (25, 13547), (31, 13586), (71, 13823), (78, 13847), (79, 13850),

Gene: Greg_19 Start: 13225, Stop: 13674, Start Num: 14

Candidate Starts for Greg_19:

(Start: 14 @13225 has 770 MA's), (Start: 20 @13249 has 1 MA's), (71, 13561), (81, 13636),

Gene: Grif_19 Start: 12879, Stop: 13250, Start Num: 14

Candidate Starts for Grif_19:

(Start: 14 @12879 has 770 MA's), (Start: 20 @12903 has 1 MA's), (28, 12963), (31, 12981), (56, 13131), (71, 13212), (72, 13218), (78, 13236), (79, 13239),

Gene: Groundhog_13 Start: 11364, Stop: 11738, Start Num: 13

Candidate Starts for Groundhog_13:

(Start: 13 @11364 has 49 MA's), (42, 11532), (49, 11556), (51, 11568), (56, 11619), (66, 11676), (67, 11679), (71, 11700), (77, 11721), (78, 11724),

Gene: Groupthink_20 Start: 12870, Stop: 13241, Start Num: 14

Candidate Starts for Groupthink_20:

(Start: 14 @12870 has 770 MA's), (Start: 20 @12894 has 1 MA's), (28, 12954), (31, 12972), (56, 13122), (71, 13203), (72, 13209), (78, 13227), (79, 13230),

Gene: Grub_19 Start: 12788, Stop: 13159, Start Num: 14

Candidate Starts for Grub_19:

(Start: 14 @12788 has 770 MA's), (Start: 20 @12812 has 1 MA's), (28, 12872), (31, 12890), (56, 13040), (71, 13121), (72, 13127), (78, 13145), (79, 13148),

Gene: Grum1_19 Start: 12789, Stop: 13160, Start Num: 14

Candidate Starts for Grum1_19:

(Start: 14 @12789 has 770 MA's), (Start: 20 @12813 has 1 MA's), (28, 12873), (31, 12891), (56, 13041), (71, 13122), (72, 13128), (78, 13146), (79, 13149),

Gene: Gruunaga_21 Start: 13452, Stop: 13829, Start Num: 14

Candidate Starts for Gruunaga_21:

(Start: 14 @13452 has 770 MA's), (21, 13479), (24, 13512), (25, 13515), (31, 13554), (54, 13695), (71, 13791), (78, 13815), (79, 13818),

Gene: GtownJaz_19 Start: 12797, Stop: 13168, Start Num: 14

Candidate Starts for GtownJaz_19:

(Start: 14 @12797 has 770 MA's), (Start: 20 @12821 has 1 MA's), (28, 12881), (31, 12899), (56, 13049), (71, 13130), (72, 13136), (78, 13154), (79, 13157),

Gene: Gwendoluna_19 Start: 14322, Stop: 14771, Start Num: 14

Candidate Starts for Gwendoluna_19:

(Start: 14 @14322 has 770 MA's), (Start: 20 @14346 has 1 MA's), (71, 14658), (81, 14733),

Gene: Gyzlar_19 Start: 14152, Stop: 14601, Start Num: 14

Candidate Starts for Gyzlar_19:

(Start: 14 @14152 has 770 MA's), (Start: 20 @14176 has 1 MA's), (71, 14488), (81, 14563),

Gene: HINdeR_17 Start: 14142, Stop: 14516, Start Num: 14

Candidate Starts for HINdeR_17:

(Start: 14 @14142 has 770 MA's), (31, 14244), (42, 14310), (43, 14313), (48, 14331), (49, 14334), (50, 14337), (56, 14397), (59, 14412), (63, 14433), (71, 14478), (78, 14502), (79, 14505),

Gene: HamSlice_16 Start: 12686, Stop: 13042, Start Num: 14

Candidate Starts for HamSlice_16:

(Start: 14 @12686 has 770 MA's), (31, 12788), (42, 12836), (48, 12857), (56, 12923), (63, 12959), (71, 13004), (79, 13031),

Gene: Hami1_19 Start: 13297, Stop: 13746, Start Num: 14

Candidate Starts for Hami1_19:

(Start: 14 @13297 has 770 MA's), (Start: 20 @13321 has 1 MA's), (71, 13633), (81, 13708),

Gene: Hammer_21 Start: 13467, Stop: 13844, Start Num: 14

Candidate Starts for Hammer_21:

(Start: 14 @13467 has 770 MA's), (21, 13494), (24, 13527), (25, 13530), (31, 13569), (54, 13710), (71, 13806), (78, 13830), (79, 13833),

Gene: HanShotFirst_17 Start: 12831, Stop: 13280, Start Num: 14

Candidate Starts for HanShotFirst_17:

(Start: 14 @12831 has 770 MA's), (Start: 20 @12855 has 1 MA's), (71, 13167), (81, 13242),

Gene: Hanray_18 Start: 14144, Stop: 14521, Start Num: 14

Candidate Starts for Hanray_18:

(Start: 14 @14144 has 770 MA's), (31, 14246), (68, 14465), (71, 14483), (72, 14489),

Gene: Happiness_17 Start: 12694, Stop: 13050, Start Num: 14

Candidate Starts for Happiness_17:

(Start: 14 @12694 has 770 MA's), (31, 12796), (42, 12844), (48, 12865), (56, 12931), (63, 12967), (71, 13012), (79, 13039),

Gene: Harlequin_14 Start: 8860, Stop: 9240, Start Num: 14

Candidate Starts for Harlequin_14:

(Start: 14 @8860 has 770 MA's), (Start: 20 @8884 has 1 MA's), (26, 8929), (27, 8932), (38, 9001), (42, 9028), (56, 9115), (70, 9193), (71, 9199), (75, 9220),

Gene: HarryHoudini_20 Start: 13879, Stop: 14256, Start Num: 14

Candidate Starts for HarryHoudini_20:

(Start: 14 @13879 has 770 MA's), (21, 13906), (23, 13912), (25, 13942), (31, 13981), (36, 14011), (51, 14083), (71, 14218), (77, 14239), (78, 14242), (79, 14245),

Gene: HarryOW_18 Start: 13216, Stop: 13665, Start Num: 14

Candidate Starts for HarryOW_18:

(Start: 14 @13216 has 770 MA's), (Start: 20 @13240 has 1 MA's), (71, 13552), (81, 13627),

Gene: HashRod_20 Start: 12880, Stop: 13251, Start Num: 14

Candidate Starts for HashRod_20:

(Start: 14 @12880 has 770 MA's), (Start: 20 @12904 has 1 MA's), (28, 12964), (31, 12982), (56, 13132), (71, 13213), (72, 13219), (78, 13237), (79, 13240),

Gene: HaveUMetTed_20 Start: 12864, Stop: 13235, Start Num: 14

Candidate Starts for HaveUMetTed_20:

(Start: 14 @12864 has 770 MA's), (Start: 20 @12888 has 1 MA's), (28, 12948), (31, 12966), (56, 13116), (71, 13197), (72, 13203), (78, 13221), (79, 13224),

Gene: Heathen_17 Start: 12144, Stop: 12518, Start Num: 14

Candidate Starts for Heathen_17:

(Start: 14 @12144 has 770 MA's), (31, 12246), (42, 12312), (48, 12333), (56, 12399), (71, 12480), (72, 12486), (78, 12504),

Gene: Heffalump_20 Start: 15198, Stop: 15575, Start Num: 14

Candidate Starts for Heffalump_20:

(Start: 14 @15198 has 770 MA's), (21, 15225), (23, 15231), (25, 15261), (31, 15300), (35, 15324), (51, 15402), (71, 15537), (72, 15543), (78, 15561),

Gene: HelDan_17 Start: 12396, Stop: 12770, Start Num: 14

Candidate Starts for HelDan_17:

(Start: 14 @12396 has 770 MA's), (31, 12498), (42, 12564), (48, 12585), (56, 12651), (71, 12732), (72, 12738), (78, 12756),

Gene: Heliosoles_19 Start: 12870, Stop: 13241, Start Num: 14

Candidate Starts for Heliosoles_19:

(Start: 14 @12870 has 770 MA's), (Start: 20 @12894 has 1 MA's), (28, 12954), (31, 12972), (56, 13122), (71, 13203), (72, 13209), (78, 13227), (79, 13230),

Gene: Helmet_22 Start: 13480, Stop: 13857, Start Num: 14

Candidate Starts for Helmet_22:

(Start: 14 @13480 has 770 MA's), (21, 13507), (23, 13513), (24, 13540), (25, 13543), (31, 13582), (71, 13819), (78, 13843), (79, 13846),

Gene: Herbertwm_15 Start: 12076, Stop: 12453, Start Num: 14

Candidate Starts for Herbertwm_15:

(10, 12052), (Start: 14 @12076 has 770 MA's), (21, 12103), (24, 12136), (25, 12139), (31, 12178), (51, 12280), (53, 12301), (55, 12325), (71, 12415), (72, 12421), (78, 12439),

Gene: Hercules11_19 Start: 12803, Stop: 13174, Start Num: 14

Candidate Starts for Hercules11_19:

(Start: 14 @12803 has 770 MA's), (Start: 20 @12827 has 1 MA's), (28, 12887), (31, 12905), (56, 13055), (71, 13136), (72, 13142), (78, 13160), (79, 13163),

Gene: Hermia_19 Start: 13963, Stop: 14388, Start Num: 20

Candidate Starts for Hermia_19:

(Start: 14 @13939 has 770 MA's), (Start: 20 @13963 has 1 MA's), (71, 14275), (81, 14350),

Gene: HermioneGrange_17 Start: 12851, Stop: 13300, Start Num: 14

Candidate Starts for HermioneGrange_17:

(Start: 14 @12851 has 770 MA's), (Start: 20 @12875 has 1 MA's), (71, 13187), (81, 13262),

Gene: Hestia_10 Start: 7405, Stop: 7764, Start Num: 14

Candidate Starts for Hestia_10:

(Start: 14 @7405 has 770 MA's), (21, 7432), (30, 7504), (45, 7564), (48, 7576), (59, 7675), (61, 7690), (73, 7750),

Gene: Hexamo_21 Start: 13434, Stop: 13811, Start Num: 14

Candidate Starts for Hexamo_21:

(Start: 14 @13434 has 770 MA's), (21, 13461), (23, 13467), (24, 13494), (25, 13497), (31, 13536), (54, 13677), (71, 13773), (78, 13797), (79, 13800),

Gene: Hillester_10 Start: 7292, Stop: 7648, Start Num: 14

Candidate Starts for Hillester_10:

(Start: 14 @7292 has 770 MA's), (16, 7298), (17, 7304), (18, 7307), (26, 7361), (29, 7388), (30, 7391), (45, 7451), (46, 7454), (48, 7463), (65, 7592), (68, 7607), (73, 7634),

Gene: Hiro_14 Start: 8860, Stop: 9240, Start Num: 14

Candidate Starts for Hiro_14:

(Start: 14 @8860 has 770 MA's), (Start: 20 @8884 has 1 MA's), (26, 8929), (27, 8932), (38, 9001), (42, 9028), (56, 9115), (70, 9193), (71, 9199), (75, 9220),

Gene: Holec_18 Start: 14144, Stop: 14521, Start Num: 14

Candidate Starts for Holec_18:

(Start: 14 @14144 has 770 MA's), (31, 14246), (68, 14465), (71, 14483), (72, 14489),

Gene: Holli_17 Start: 12478, Stop: 12834, Start Num: 14

Candidate Starts for Holli_17:

(Start: 14 @12478 has 770 MA's), (31, 12580), (42, 12628), (48, 12649), (56, 12715), (63, 12751), (71, 12796), (79, 12823),

Gene: Homines_17 Start: 12941, Stop: 13390, Start Num: 14

Candidate Starts for Homines_17:

(Start: 14 @12941 has 770 MA's), (Start: 20 @12965 has 1 MA's), (71, 13277), (81, 13352),

Gene: Hookmount_18 Start: 12884, Stop: 13258, Start Num: 14

Candidate Starts for Hookmount_18:

(Start: 14 @12884 has 770 MA's), (Start: 20 @12908 has 1 MA's), (31, 12986), (42, 13052), (48, 13073), (56, 13139), (71, 13220), (78, 13244),

Gene: Hoot_21 Start: 13463, Stop: 13840, Start Num: 14

Candidate Starts for Hoot_21:

(Start: 14 @13463 has 770 MA's), (21, 13490), (23, 13496), (24, 13523), (25, 13526), (31, 13565), (71, 13802), (78, 13826), (79, 13829),

Gene: Hope4ever_17 Start: 13327, Stop: 13776, Start Num: 14

Candidate Starts for Hope4ever_17:

(Start: 14 @13327 has 770 MA's), (Start: 20 @13351 has 1 MA's), (71, 13663), (81, 13738),

Gene: HortumSL17_19 Start: 14140, Stop: 14517, Start Num: 14

Candidate Starts for HortumSL17_19:

(Start: 14 @14140 has 770 MA's), (31, 14242), (68, 14461), (71, 14479), (72, 14485),

Gene: Houdini22_17 Start: 12692, Stop: 13048, Start Num: 14

Candidate Starts for Houdini22_17:

(Start: 14 @12692 has 770 MA's), (31, 12794), (42, 12842), (48, 12863), (56, 12929), (63, 12965), (71, 13010), (79, 13037),

Gene: HuhtaEnerson15_14 Start: 11800, Stop: 12174, Start Num: 13

Candidate Starts for HuhtaEnerson15_14:

(Start: 13 @11800 has 49 MA's), (Start: 20 @11824 has 1 MA's), (22, 11830), (42, 11968), (49, 11992), (56, 12055), (67, 12115), (71, 12136), (77, 12157), (78, 12160), (79, 12163),

Gene: Hum25_8 Start: 6105, Stop: 6491, Start Num: 14

Candidate Starts for Hum25_8:

(Start: 14 @6105 has 770 MA's), (22, 6135), (45, 6282), (52, 6327), (63, 6411),

Gene: Hutc2_18 Start: 13931, Stop: 14308, Start Num: 14

Candidate Starts for Hutc2_18:

(Start: 14 @13931 has 770 MA's), (Start: 20 @13955 has 1 MA's), (25, 13994), (31, 14033), (33, 14039), (77, 14291), (78, 14294), (79, 14297),

Gene: Huxley_17 Start: 12752, Stop: 13108, Start Num: 14

Candidate Starts for Huxley_17:

(Start: 14 @12752 has 770 MA's), (31, 12854), (42, 12902), (48, 12923), (55, 12983), (56, 12989), (63, 13025), (71, 13070), (79, 13097),

Gene: ICleared_17 Start: 12686, Stop: 13042, Start Num: 14

Candidate Starts for ICleared_17:

(Start: 14 @12686 has 770 MA's), (31, 12788), (42, 12836), (48, 12857), (56, 12923), (63, 12959), (71, 13004), (79, 13031),

Gene: ILeeKay_19 Start: 13086, Stop: 13535, Start Num: 14

Candidate Starts for ILeeKay_19:

(Start: 14 @13086 has 770 MA's), (Start: 20 @13110 has 1 MA's), (71, 13422), (81, 13497),

Gene: Iceman_18 Start: 12977, Stop: 13333, Start Num: 14

Candidate Starts for Iceman_18:

(Start: 14 @12977 has 770 MA's), (31, 13079), (42, 13127), (48, 13148), (56, 13214), (63, 13250), (71, 13295), (79, 13322),

Gene: Ichabod_18 Start: 12943, Stop: 13392, Start Num: 14

Candidate Starts for Ichabod_18:

(Start: 14 @12943 has 770 MA's), (Start: 20 @12967 has 1 MA's), (59, 13210), (71, 13279), (81, 13354),

Gene: Idleandcovert_17 Start: 12343, Stop: 12717, Start Num: 14

Candidate Starts for Idleandcovert_17:

(Start: 14 @12343 has 770 MA's), (31, 12445), (42, 12511), (48, 12532), (56, 12598), (71, 12679), (72, 12685), (78, 12703),

Gene: IgnatiusPatJac_16 Start: 12912, Stop: 13361, Start Num: 14

Candidate Starts for IgnatiusPatJac_16:

(Start: 14 @12912 has 770 MA's), (Start: 20 @12936 has 1 MA's), (71, 13248), (81, 13323),

Gene: Indra_21 Start: 13479, Stop: 13856, Start Num: 14

Candidate Starts for Indra_21:

(Start: 14 @13479 has 770 MA's), (21, 13506), (23, 13512), (24, 13539), (25, 13542), (31, 13581), (54, 13722), (71, 13818), (78, 13842), (79, 13845),

Gene: Insomnia_18 Start: 13980, Stop: 14357, Start Num: 14

Candidate Starts for Insomnia_18:

(Start: 14 @13980 has 770 MA's), (Start: 20 @14004 has 1 MA's), (25, 14043), (31, 14082), (33, 14088), (77, 14340), (78, 14343), (79, 14346),

Gene: Inyanga_16 Start: 12689, Stop: 13138, Start Num: 14

Candidate Starts for Inyanga_16:

(Start: 14 @12689 has 770 MA's), (Start: 20 @12713 has 1 MA's), (71, 13025), (81, 13100),

Gene: Iracema64_18 Start: 13000, Stop: 13356, Start Num: 14

Candidate Starts for Iracema64_18:

(Start: 14 @13000 has 770 MA's), (31, 13102), (42, 13150), (48, 13171), (56, 13237), (63, 13273), (71, 13318), (79, 13345),

Gene: IronMan_20 Start: 15064, Stop: 15441, Start Num: 14

Candidate Starts for IronMan_20:

(Start: 14 @15064 has 770 MA's), (24, 15124), (25, 15127), (31, 15166), (51, 15268), (64, 15358), (67, 15379), (71, 15403),

Gene: Isca_17 Start: 12231, Stop: 12605, Start Num: 14

Candidate Starts for Isca_17:

(Start: 14 @12231 has 770 MA's), (31, 12333), (42, 12399), (48, 12420), (56, 12486), (71, 12567), (72, 12573), (78, 12591),

Gene: Isiphiwo_21 Start: 13475, Stop: 13852, Start Num: 14

Candidate Starts for Isiphiwo_21:

(Start: 14 @13475 has 770 MA's), (21, 13502), (23, 13508), (24, 13535), (25, 13538), (31, 13577), (71, 13814), (78, 13838), (79, 13841),

Gene: Isolde_11 Start: 7366, Stop: 7722, Start Num: 14

Candidate Starts for Isolde_11:

(Start: 14 @7366 has 770 MA's), (30, 7465), (32, 7471), (48, 7537), (65, 7666), (73, 7708),

Gene: Iwokeuplikedis_19 Start: 13349, Stop: 13726, Start Num: 14

Candidate Starts for Iwokeuplikedis_19:

(Start: 14 @13349 has 770 MA's), (21, 13376), (23, 13382), (25, 13412), (31, 13451), (36, 13481), (51, 13553), (71, 13688), (78, 13712), (79, 13715),

Gene: JC27_19 Start: 13822, Stop: 14271, Start Num: 14

Candidate Starts for JC27_19:

(Start: 14 @13822 has 770 MA's), (Start: 20 @13846 has 1 MA's), (71, 14158), (81, 14233),

Gene: JF2_17 Start: 11996, Stop: 12370, Start Num: 14

Candidate Starts for JF2_17:

(Start: 14 @11996 has 770 MA's), (31, 12098), (42, 12164), (48, 12185), (56, 12251), (71, 12332), (72, 12338), (78, 12356),

Gene: JF4_17 Start: 11996, Stop: 12370, Start Num: 14

Candidate Starts for JF4_17:

(Start: 14 @11996 has 770 MA's), (31, 12098), (42, 12164), (48, 12185), (56, 12251), (71, 12332), (72, 12338), (78, 12356),

Gene: JHC117_19 Start: 12794, Stop: 13165, Start Num: 14

Candidate Starts for JHC117_19:

(Start: 14 @12794 has 770 MA's), (Start: 20 @12818 has 1 MA's), (28, 12878), (31, 12896), (56, 13046), (71, 13127), (72, 13133), (78, 13151), (79, 13154),

Gene: JSwag_20 Start: 12476, Stop: 12853, Start Num: 14

Candidate Starts for JSwag_20:

(Start: 14 @12476 has 770 MA's), (31, 12578), (49, 12668), (72, 12821), (78, 12839), (79, 12842),

Gene: Jaan_21 Start: 15462, Stop: 15839, Start Num: 14

Candidate Starts for Jaan_21:

(Start: 14 @15462 has 770 MA's), (24, 15522), (25, 15525), (31, 15564), (51, 15666), (64, 15756), (67, 15777), (71, 15801),

Gene: Jabiru_14 Start: 11689, Stop: 12063, Start Num: 13

Candidate Starts for Jabiru_14:

(Start: 13 @11689 has 49 MA's), (Start: 20 @11713 has 1 MA's), (22, 11719), (49, 11881), (56, 11944), (67, 12004), (71, 12025), (77, 12046), (78, 12049), (79, 12052),

Gene: Jabith_18 Start: 13980, Stop: 14357, Start Num: 14

Candidate Starts for Jabith_18:

(Start: 14 @13980 has 770 MA's), (Start: 20 @14004 has 1 MA's), (25, 14043), (31, 14082), (33, 14088), (77, 14340), (78, 14343), (79, 14346),

Gene: JackSparrow_18 Start: 13253, Stop: 13702, Start Num: 14

Candidate Starts for JackSparrow_18:

(Start: 14 @13253 has 770 MA's), (Start: 20 @13277 has 1 MA's), (71, 13589), (81, 13664),

Gene: Jankie_9 Start: 5768, Stop: 6196, Start Num: 14

Candidate Starts for Jankie_9:

(4, 5636), (Start: 14 @5768 has 770 MA's), (41, 5933), (45, 5951), (60, 6056), (79, 6146),

Gene: Jasper_18 Start: 12754, Stop: 13203, Start Num: 14

Candidate Starts for Jasper_18:

(Start: 14 @12754 has 770 MA's), (Start: 20 @12778 has 1 MA's), (71, 13090), (81, 13165),

Gene: Jaykayelowell_17 Start: 12684, Stop: 13040, Start Num: 14

Candidate Starts for Jaykayelowell_17:

(Start: 14 @12684 has 770 MA's), (31, 12786), (42, 12834), (48, 12855), (56, 12921), (63, 12957), (71, 13002), (79, 13029),

Gene: Jeeves_17 Start: 12526, Stop: 12903, Start Num: 14

Candidate Starts for Jeeves_17:

(Start: 14 @12526 has 770 MA's), (23, 12559), (25, 12589), (31, 12628), (53, 12751), (77, 12886), (78, 12889), (79, 12892),

Gene: Jeffabunny_21 Start: 13486, Stop: 13863, Start Num: 14

Candidate Starts for Jeffabunny_21:

(Start: 14 @13486 has 770 MA's), (21, 13513), (24, 13546), (25, 13549), (31, 13588), (54, 13729), (71, 13825), (78, 13849), (79, 13852),

Gene: JenCasNa_19 Start: 12794, Stop: 13165, Start Num: 14

Candidate Starts for JenCasNa_19:

(Start: 14 @12794 has 770 MA's), (Start: 20 @12818 has 1 MA's), (28, 12878), (31, 12896), (56, 13046), (71, 13127), (72, 13133), (78, 13151), (79, 13154),

Gene: JeppNRM_20 Start: 12868, Stop: 13239, Start Num: 14

Candidate Starts for JeppNRM_20:

(Start: 14 @12868 has 770 MA's), (Start: 20 @12892 has 1 MA's), (28, 12952), (31, 12970), (56, 13120), (71, 13201), (72, 13207), (78, 13225), (79, 13228),

Gene: Jerm_20 Start: 13796, Stop: 14173, Start Num: 14

Candidate Starts for Jerm_20:

(Start: 14 @13796 has 770 MA's), (22, 13826), (23, 13829), (25, 13859), (31, 13898), (62, 14084), (71, 14135), (78, 14159), (79, 14162),

Gene: Jerm2_18 Start: 13123, Stop: 13572, Start Num: 14

Candidate Starts for Jerm2_18:

(Start: 14 @13123 has 770 MA's), (Start: 20 @13147 has 1 MA's), (71, 13459), (81, 13534),

Gene: Jester_14 Start: 8860, Stop: 9240, Start Num: 14

Candidate Starts for Jester_14:

(Start: 14 @8860 has 770 MA's), (Start: 20 @8884 has 1 MA's), (26, 8929), (27, 8932), (38, 9001), (42, 9028), (56, 9115), (70, 9193), (71, 9199), (75, 9220),

Gene: JetBlade_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for JetBlade_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: JewelBug_21 Start: 13487, Stop: 13864, Start Num: 14

Candidate Starts for JewelBug_21:

(Start: 14 @13487 has 770 MA's), (21, 13514), (23, 13520), (24, 13547), (25, 13550), (31, 13589), (71, 13826), (78, 13850), (79, 13853),

Gene: Jiawan_18 Start: 14176, Stop: 14553, Start Num: 14
Candidate Starts for Jiawan_18:
(Start: 14 @14176 has 770 MA's), (31, 14278), (68, 14497), (71, 14515), (72, 14521),

Gene: Jobu08_19 Start: 12863, Stop: 13234, Start Num: 14
Candidate Starts for Jobu08_19:
(Start: 14 @12863 has 770 MA's), (Start: 20 @12887 has 1 MA's), (28, 12947), (31, 12965), (56, 13115), (71, 13196), (72, 13202), (78, 13220), (79, 13223),

Gene: JoongJeon_17 Start: 12688, Stop: 13044, Start Num: 14
Candidate Starts for JoongJeon_17:
(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Jordennis_21 Start: 13475, Stop: 13852, Start Num: 14
Candidate Starts for Jordennis_21:
(Start: 14 @13475 has 770 MA's), (21, 13502), (23, 13508), (24, 13535), (25, 13538), (31, 13577), (71, 13814), (78, 13838), (79, 13841),

Gene: Jorgensen_17 Start: 12710, Stop: 13159, Start Num: 14
Candidate Starts for Jorgensen_17:
(Start: 14 @12710 has 770 MA's), (Start: 20 @12734 has 1 MA's), (71, 13046), (81, 13121),

Gene: Joselito_18 Start: 13928, Stop: 14305, Start Num: 14
Candidate Starts for Joselito_18:
(Start: 14 @13928 has 770 MA's), (Start: 20 @13952 has 1 MA's), (25, 13991), (31, 14030), (33, 14036), (77, 14288), (78, 14291), (79, 14294),

Gene: JoshKayV_20 Start: 13800, Stop: 14177, Start Num: 14
Candidate Starts for JoshKayV_20:
(Start: 14 @13800 has 770 MA's), (22, 13830), (23, 13833), (25, 13863), (31, 13902), (71, 14139), (72, 14145), (78, 14163), (79, 14166),

Gene: Journey13_16 Start: 12509, Stop: 12886, Start Num: 14
Candidate Starts for Journey13_16:
(Start: 14 @12509 has 770 MA's), (21, 12536), (23, 12542), (24, 12569), (25, 12572), (31, 12611), (51, 12713), (71, 12848), (77, 12869), (78, 12872), (79, 12875),

Gene: Jovo_14 Start: 11909, Stop: 12283, Start Num: 13
Candidate Starts for Jovo_14:
(Start: 13 @11909 has 49 MA's), (Start: 20 @11933 has 1 MA's), (22, 11939), (49, 12101), (56, 12164), (61, 12194), (67, 12224), (71, 12245), (77, 12266), (78, 12269), (79, 12272),

Gene: Jsquared_17 Start: 12210, Stop: 12587, Start Num: 14
Candidate Starts for Jsquared_17:
(Start: 14 @12210 has 770 MA's), (21, 12237), (23, 12243), (24, 12270), (25, 12273), (31, 12312), (51, 12414), (71, 12549), (77, 12570), (78, 12573), (79, 12576),

Gene: JuliaChild_19 Start: 13381, Stop: 13830, Start Num: 14
Candidate Starts for JuliaChild_19:
(Start: 14 @13381 has 770 MA's), (Start: 20 @13405 has 1 MA's), (71, 13717), (81, 13792),

Gene: KADY_20 Start: 12880, Stop: 13251, Start Num: 14

Candidate Starts for KADY_20:

(Start: 14 @12880 has 770 MA's), (Start: 20 @12904 has 1 MA's), (28, 12964), (31, 12982), (56, 13132), (71, 13213), (72, 13219), (78, 13237), (79, 13240),

Gene: KBG_18 Start: 13831, Stop: 14280, Start Num: 14

Candidate Starts for KBG_18:

(Start: 14 @13831 has 770 MA's), (Start: 20 @13855 has 1 MA's), (71, 14167), (81, 14242),

Gene: KFPoly_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for KFPoly_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: KSSJEB_17 Start: 12728, Stop: 13177, Start Num: 14

Candidate Starts for KSSJEB_17:

(Start: 14 @12728 has 770 MA's), (Start: 20 @12752 has 1 MA's), (71, 13064), (81, 13139),

Gene: Kachowdy_17 Start: 12396, Stop: 12770, Start Num: 14

Candidate Starts for Kachowdy_17:

(Start: 14 @12396 has 770 MA's), (31, 12498), (42, 12564), (48, 12585), (56, 12651), (71, 12732), (72, 12738), (78, 12756),

Gene: Kalb97_20 Start: 12868, Stop: 13239, Start Num: 14

Candidate Starts for Kalb97_20:

(Start: 14 @12868 has 770 MA's), (Start: 20 @12892 has 1 MA's), (28, 12952), (31, 12970), (56, 13120), (71, 13201), (72, 13207), (78, 13225), (79, 13228),

Gene: Kalnoky_20 Start: 12870, Stop: 13241, Start Num: 14

Candidate Starts for Kalnoky_20:

(Start: 14 @12870 has 770 MA's), (Start: 20 @12894 has 1 MA's), (28, 12954), (31, 12972), (56, 13122), (71, 13203), (72, 13209), (78, 13227), (79, 13230),

Gene: Kalpine_21 Start: 15159, Stop: 15536, Start Num: 14

Candidate Starts for Kalpine_21:

(Start: 14 @15159 has 770 MA's), (22, 15189), (25, 15222), (31, 15261), (37, 15297), (51, 15363), (71, 15498), (77, 15519), (78, 15522), (79, 15525),

Gene: Kampy_17 Start: 12686, Stop: 13042, Start Num: 14

Candidate Starts for Kampy_17:

(Start: 14 @12686 has 770 MA's), (31, 12788), (42, 12836), (48, 12857), (56, 12923), (63, 12959), (71, 13004), (79, 13031),

Gene: Kanely_18 Start: 13490, Stop: 13939, Start Num: 14

Candidate Starts for Kanely_18:

(Start: 14 @13490 has 770 MA's), (Start: 20 @13514 has 1 MA's), (71, 13826), (81, 13901),

Gene: Katalie136_17 Start: 12690, Stop: 13046, Start Num: 14

Candidate Starts for Katalie136_17:

(Start: 14 @12690 has 770 MA's), (31, 12792), (42, 12840), (48, 12861), (56, 12927), (63, 12963), (74, 13020), (79, 13035),

Gene: KatherineG_20 Start: 12612, Stop: 12989, Start Num: 14

Candidate Starts for KatherineG_20:

(Start: 14 @12612 has 770 MA's), (31, 12714), (49, 12804), (72, 12957), (78, 12975), (79, 12978),

Gene: Kazan_21 Start: 13490, Stop: 13867, Start Num: 14

Candidate Starts for Kazan_21:

(Start: 14 @13490 has 770 MA's), (21, 13517), (23, 13523), (24, 13550), (25, 13553), (31, 13592), (71, 13829), (78, 13853), (79, 13856),

Gene: Kenmech_20 Start: 14292, Stop: 14741, Start Num: 14

Candidate Starts for Kenmech_20:

(Start: 14 @14292 has 770 MA's), (Start: 20 @14316 has 1 MA's), (71, 14628), (81, 14703),

Gene: Kerberos_21 Start: 13272, Stop: 13646, Start Num: 14

Candidate Starts for Kerberos_21:

(Start: 14 @13272 has 770 MA's), (21, 13299), (23, 13305), (25, 13335), (31, 13374), (37, 13410), (49, 13461), (51, 13473), (67, 13584), (71, 13608), (78, 13632), (79, 13635),

Gene: Keziacharles14_17 Start: 12278, Stop: 12655, Start Num: 14

Candidate Starts for Keziacharles14_17:

(Start: 14 @12278 has 770 MA's), (31, 12380), (36, 12410), (62, 12566), (68, 12599), (71, 12617), (72, 12623), (78, 12641), (79, 12644),

Gene: Killigrew_15 Start: 12364, Stop: 12813, Start Num: 14

Candidate Starts for Killigrew_15:

(Start: 14 @12364 has 770 MA's), (Start: 20 @12388 has 1 MA's), (71, 12700), (81, 12775),

Gene: Kimona_14 Start: 10155, Stop: 10529, Start Num: 14

Candidate Starts for Kimona_14:

(Start: 14 @10155 has 770 MA's), (40, 10314), (56, 10410), (72, 10497), (79, 10518),

Gene: KingCyrus_20 Start: 13771, Stop: 14148, Start Num: 14

Candidate Starts for KingCyrus_20:

(Start: 14 @13771 has 770 MA's), (22, 13801), (23, 13804), (25, 13834), (31, 13873), (51, 13975), (71, 14110), (72, 14116), (78, 14134), (79, 14137),

Gene: Kingmustik0402_17 Start: 12680, Stop: 13036, Start Num: 14

Candidate Starts for Kingmustik0402_17:

(Start: 14 @12680 has 770 MA's), (31, 12782), (42, 12830), (48, 12851), (56, 12917), (63, 12953), (71, 12998), (79, 13025),

Gene: Kinmap_17 Start: 13216, Stop: 13593, Start Num: 14

Candidate Starts for Kinmap_17:

(Start: 14 @13216 has 770 MA's), (21, 13243), (25, 13279), (31, 13318), (39, 13369), (51, 13420), (56, 13471), (62, 13504), (71, 13555), (77, 13576), (78, 13579), (79, 13582),

Gene: Kipper29_21 Start: 13484, Stop: 13861, Start Num: 14

Candidate Starts for Kipper29_21:

(Start: 14 @13484 has 770 MA's), (21, 13511), (23, 13517), (24, 13544), (25, 13547), (31, 13586), (71, 13823), (78, 13847), (79, 13850),

Gene: KittenMittens_16 Start: 10548, Stop: 10922, Start Num: 14

Candidate Starts for KittenMittens_16:

(Start: 14 @10548 has 770 MA's), (31, 10650), (42, 10716), (48, 10737), (50, 10743), (56, 10803), (63, 10839), (67, 10863), (79, 10911),

Gene: Koan_16 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Koan_16:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Koduck_18 Start: 12551, Stop: 12928, Start Num: 14

Candidate Starts for Koduck_18:

(Start: 14 @12551 has 770 MA's), (21, 12578), (23, 12584), (24, 12611), (25, 12614), (31, 12653), (36, 12683), (51, 12755), (71, 12890), (77, 12911), (78, 12914), (79, 12917),

Gene: Koko_21 Start: 13478, Stop: 13855, Start Num: 14

Candidate Starts for Koko_21:

(Start: 14 @13478 has 770 MA's), (21, 13505), (24, 13538), (25, 13541), (31, 13580), (54, 13721), (71, 13817), (78, 13841), (79, 13844),

Gene: Koreni_16 Start: 12334, Stop: 12690, Start Num: 14

Candidate Starts for Koreni_16:

(Start: 14 @12334 has 770 MA's), (31, 12436), (42, 12484), (48, 12505), (56, 12571), (63, 12607), (71, 12652), (79, 12679),

Gene: Kratak_17 Start: 12683, Stop: 13039, Start Num: 14

Candidate Starts for Kratak_17:

(Start: 14 @12683 has 770 MA's), (31, 12785), (42, 12833), (48, 12854), (56, 12920), (63, 12956), (71, 13001), (79, 13028),

Gene: Kremtemulon_17 Start: 12736, Stop: 13092, Start Num: 14

Candidate Starts for Kremtemulon_17:

(Start: 14 @12736 has 770 MA's), (31, 12838), (42, 12886), (48, 12907), (56, 12973), (63, 13009), (71, 13054), (79, 13081),

Gene: Krishelle_14 Start: 8875, Stop: 9255, Start Num: 14

Candidate Starts for Krishelle_14:

(Start: 14 @8875 has 770 MA's), (Start: 20 @8899 has 1 MA's), (26, 8944), (27, 8947), (38, 9016), (42, 9043), (56, 9130), (70, 9208), (71, 9214), (75, 9235),

Gene: Kristoff_18 Start: 12631, Stop: 13005, Start Num: 14

Candidate Starts for Kristoff_18:

(Start: 14 @12631 has 770 MA's), (31, 12733), (42, 12799), (48, 12820), (56, 12886), (71, 12967), (72, 12973), (79, 12994),

Gene: Kugel_17 Start: 12889, Stop: 13311, Start Num: 8

Candidate Starts for Kugel_17:

(Start: 8 @12889 has 1 MA's), (Start: 12 @12934 has 5 MA's), (Start: 20 @12961 has 1 MA's), (31, 13039), (42, 13105), (49, 13129), (56, 13192), (66, 13249), (73, 13282), (77, 13294), (78, 13297), (79, 13300),

Gene: KyMonks1A_19 Start: 13229, Stop: 13678, Start Num: 14

Candidate Starts for KyMonks1A_19:

(Start: 14 @13229 has 770 MA's), (Start: 20 @13253 has 1 MA's), (71, 13565), (81, 13640),

Gene: Kyee_17 Start: 12689, Stop: 13045, Start Num: 14

Candidate Starts for Kyee_17:

(Start: 14 @12689 has 770 MA's), (31, 12791), (42, 12839), (48, 12860), (56, 12926), (63, 12962), (71, 13007), (79, 13034),

Gene: Kykar_14 Start: 12431, Stop: 12808, Start Num: 12

Candidate Starts for Kykar_14:

(7, 12377), (Start: 8 @12386 has 1 MA's), (Start: 12 @12431 has 5 MA's), (Start: 20 @12458 has 1 MA's), (31, 12536), (42, 12602), (49, 12626), (56, 12689), (66, 12746), (73, 12779), (77, 12791), (78, 12794), (79, 12797),

Gene: L5_19 Start: 12559, Stop: 12936, Start Num: 14

Candidate Starts for L5_19:

(Start: 14 @12559 has 770 MA's), (21, 12586), (23, 12592), (24, 12619), (25, 12622), (31, 12661), (36, 12691), (51, 12763), (71, 12898), (77, 12919), (78, 12922), (79, 12925),

Gene: LBerry_19 Start: 12796, Stop: 13167, Start Num: 14

Candidate Starts for LBerry_19:

(Start: 14 @12796 has 770 MA's), (Start: 20 @12820 has 1 MA's), (28, 12880), (31, 12898), (56, 13048), (71, 13129), (72, 13135), (78, 13153), (79, 13156),

Gene: LHTSCC_18 Start: 13000, Stop: 13356, Start Num: 14

Candidate Starts for LHTSCC_18:

(Start: 14 @13000 has 770 MA's), (31, 13102), (42, 13150), (48, 13171), (56, 13237), (63, 13273), (71, 13318), (79, 13345),

Gene: LadyBird_18 Start: 13341, Stop: 13718, Start Num: 14

Candidate Starts for LadyBird_18:

(Start: 14 @13341 has 770 MA's), (22, 13371), (23, 13374), (25, 13404), (31, 13443), (51, 13545), (62, 13629), (71, 13680), (78, 13704), (79, 13707),

Gene: Lambert1_18 Start: 12884, Stop: 13258, Start Num: 14

Candidate Starts for Lambert1_18:

(Start: 14 @12884 has 770 MA's), (Start: 20 @12908 has 1 MA's), (31, 12986), (42, 13052), (48, 13073), (56, 13139), (71, 13220), (78, 13244),

Gene: Lamina13_17 Start: 12505, Stop: 12954, Start Num: 14

Candidate Starts for Lamina13_17:

(Start: 14 @12505 has 770 MA's), (Start: 20 @12529 has 1 MA's), (71, 12841), (81, 12916),

Gene: Landor_19 Start: 15114, Stop: 15491, Start Num: 14

Candidate Starts for Landor_19:

(Start: 14 @15114 has 770 MA's), (24, 15174), (25, 15177), (31, 15216), (51, 15318), (64, 15408), (67, 15429), (71, 15453),

Gene: LappelDuVide_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for LappelDuVide_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: Larenn_19 Start: 13653, Stop: 14030, Start Num: 14

Candidate Starts for Larenn_19:

(Start: 14 @13653 has 770 MA's), (21, 13680), (25, 13716), (31, 13755), (36, 13785), (37, 13791), (51, 13857), (71, 13992), (77, 14013), (78, 14016), (79, 14019),

Gene: LarryKay_19 Start: 12882, Stop: 13253, Start Num: 14

Candidate Starts for LarryKay_19:

(Start: 14 @12882 has 770 MA's), (Start: 20 @12906 has 1 MA's), (28, 12966), (31, 12984), (56, 13134), (71, 13215), (72, 13221), (78, 13239), (79, 13242),

Gene: LastResort_20 Start: 12490, Stop: 12867, Start Num: 14

Candidate Starts for LastResort_20:

(Start: 14 @12490 has 770 MA's), (31, 12592), (49, 12682), (72, 12835), (78, 12853), (79, 12856),

Gene: Lawnathon_10 Start: 7413, Stop: 7772, Start Num: 14

Candidate Starts for Lawnathon_10:

(Start: 14 @7413 has 770 MA's), (21, 7440), (31, 7515), (45, 7572), (48, 7584), (59, 7683), (61, 7698), (73, 7758),

Gene: Lemur_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for Lemur_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: LeoAvram_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for LeoAvram_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: Leogania_20 Start: 15518, Stop: 15895, Start Num: 14

Candidate Starts for Leogania_20:

(Start: 14 @15518 has 770 MA's), (21, 15545), (23, 15551), (25, 15581), (31, 15620), (36, 15650), (37, 15656), (51, 15722), (71, 15857), (78, 15881), (79, 15884),

Gene: Lesedi_16 Start: 12666, Stop: 13115, Start Num: 14

Candidate Starts for Lesedi_16:

(Start: 14 @12666 has 770 MA's), (Start: 20 @12690 has 1 MA's), (71, 13002), (81, 13077),

Gene: Lev2_14 Start: 11621, Stop: 11995, Start Num: 13

Candidate Starts for Lev2_14:

(Start: 13 @11621 has 49 MA's), (Start: 20 @11645 has 1 MA's), (22, 11651), (49, 11813), (56, 11876), (61, 11906), (67, 11936), (71, 11957), (77, 11978), (78, 11981), (79, 11984),

Gene: Leviathan_20 Start: 13828, Stop: 14205, Start Num: 14

Candidate Starts for Leviathan_20:

(Start: 14 @13828 has 770 MA's), (22, 13858), (23, 13861), (25, 13891), (31, 13930), (62, 14116), (71, 14167), (78, 14191), (79, 14194),

Gene: Licorice_19 Start: 13818, Stop: 14267, Start Num: 14

Candidate Starts for Licorice_19:

(Start: 14 @13818 has 770 MA's), (Start: 20 @13842 has 1 MA's), (71, 14154), (81, 14229),

Gene: LilBib_18 Start: 13748, Stop: 14197, Start Num: 14

Candidate Starts for LilBib_18:

(Start: 14 @13748 has 770 MA's), (Start: 20 @13772 has 1 MA's), (71, 14084), (81, 14159),

Gene: LilTurb_20 Start: 13855, Stop: 14232, Start Num: 14

Candidate Starts for LilTurb_20:

(Start: 14 @13855 has 770 MA's), (22, 13885), (23, 13888), (25, 13918), (31, 13957), (62, 14143), (71, 14194), (78, 14218), (79, 14221),

Gene: Lilbunny_21 Start: 13460, Stop: 13837, Start Num: 14

Candidate Starts for Lilbunny_21:

(Start: 14 @13460 has 770 MA's), (21, 13487), (23, 13493), (24, 13520), (25, 13523), (31, 13562), (71, 13799), (78, 13823), (79, 13826),

Gene: Lilith_19 Start: 12789, Stop: 13160, Start Num: 14

Candidate Starts for Lilith_19:

(Start: 14 @12789 has 770 MA's), (Start: 20 @12813 has 1 MA's), (28, 12873), (31, 12891), (56, 13041), (71, 13122), (72, 13128), (78, 13146), (79, 13149),

Gene: Lilleskat_17 Start: 14140, Stop: 14517, Start Num: 14

Candidate Starts for Lilleskat_17:

(Start: 14 @14140 has 770 MA's), (31, 14242), (68, 14461), (71, 14479), (72, 14485),

Gene: Lillie_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for Lillie_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (42, 9084), (51, 9120), (53, 9141), (56, 9171), (67, 9231), (70, 9249), (71, 9255), (75, 9276),

Gene: LittleB_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for LittleB_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: LittleCherry_14 Start: 11801, Stop: 12175, Start Num: 13

Candidate Starts for LittleCherry_14:

(Start: 13 @11801 has 49 MA's), (Start: 20 @11825 has 1 MA's), (22, 11831), (42, 11969), (49, 11993), (56, 12056), (67, 12116), (71, 12137), (77, 12158), (78, 12161), (79, 12164),

Gene: LittleGuy_17 Start: 12631, Stop: 12987, Start Num: 14

Candidate Starts for LittleGuy_17:

(Start: 14 @12631 has 770 MA's), (31, 12733), (42, 12781), (48, 12802), (56, 12868), (63, 12904), (71, 12949), (79, 12976),

Gene: LochMonster_17 Start: 12663, Stop: 13019, Start Num: 14

Candidate Starts for LochMonster_17:

(Start: 14 @12663 has 770 MA's), (31, 12765), (42, 12813), (48, 12834), (56, 12900), (63, 12936), (71, 12981), (79, 13008),

Gene: Lockley_17 Start: 12843, Stop: 13292, Start Num: 14

Candidate Starts for Lockley_17:

(Start: 14 @12843 has 770 MA's), (Start: 20 @12867 has 1 MA's), (71, 13179), (81, 13254),

Gene: Lokk_21 Start: 15047, Stop: 15424, Start Num: 14

Candidate Starts for Lokk_21:

(Start: 14 @15047 has 770 MA's), (21, 15074), (25, 15110), (31, 15149), (51, 15251), (62, 15335), (71, 15386), (72, 15392), (78, 15410), (79, 15413),

Gene: LoneWolf_19 Start: 13949, Stop: 14326, Start Num: 14

Candidate Starts for LoneWolf_19:

(Start: 14 @13949 has 770 MA's), (31, 14051), (39, 14102), (68, 14270), (71, 14288), (72, 14294), (78, 14312),

Gene: Looper_21 Start: 12490, Stop: 12867, Start Num: 14

Candidate Starts for Looper_21:

(Start: 14 @12490 has 770 MA's), (31, 12592), (49, 12682), (72, 12835), (78, 12853), (79, 12856),

Gene: Lopton_18 Start: 14267, Stop: 14716, Start Num: 14

Candidate Starts for Lopton_18:

(Start: 14 @14267 has 770 MA's), (Start: 20 @14291 has 1 MA's), (81, 14678),

Gene: Lorenzo_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Lorenzo_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Loser_21 Start: 15149, Stop: 15526, Start Num: 14

Candidate Starts for Loser_21:

(Start: 14 @15149 has 770 MA's), (Start: 20 @15173 has 1 MA's), (21, 15176), (25, 15212), (31, 15251), (51, 15353), (77, 15509), (78, 15512), (79, 15515),

Gene: Louie6_19 Start: 12883, Stop: 13254, Start Num: 14

Candidate Starts for Louie6_19:

(Start: 14 @12883 has 770 MA's), (Start: 20 @12907 has 1 MA's), (28, 12967), (31, 12985), (56, 13135), (71, 13216), (72, 13222), (78, 13240), (79, 13243),

Gene: Luchador_19 Start: 13710, Stop: 14087, Start Num: 14

Candidate Starts for Luchador_19:

(Start: 14 @13710 has 770 MA's), (23, 13743), (24, 13770), (25, 13773), (31, 13812), (53, 13935), (77, 14070), (78, 14073), (79, 14076),

Gene: Lucivia_18 Start: 13977, Stop: 14354, Start Num: 14

Candidate Starts for Lucivia_18:

(Start: 14 @13977 has 770 MA's), (Start: 20 @14001 has 1 MA's), (25, 14040), (31, 14079), (33, 14085), (77, 14337), (78, 14340), (79, 14343),

Gene: Lucyedi_19 Start: 13553, Stop: 13930, Start Num: 14

Candidate Starts for Lucyedi_19:

(6, 13448), (Start: 14 @13553 has 770 MA's), (21, 13580), (25, 13616), (26, 13622), (31, 13655), (57, 13811), (71, 13892), (72, 13898), (77, 13913), (79, 13919),

Gene: LugYA_21 Start: 12794, Stop: 13165, Start Num: 14

Candidate Starts for LugYA_21:

(Start: 14 @12794 has 770 MA's), (Start: 20 @12818 has 1 MA's), (28, 12878), (31, 12896), (56, 13046), (71, 13127), (72, 13133), (78, 13151), (79, 13154),

Gene: Lunsford_18 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for Lunsford_18:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: MA5_17 Start: 11940, Stop: 12314, Start Num: 14

Candidate Starts for MA5_17:

(Start: 14 @11940 has 770 MA's), (31, 12042), (42, 12108), (48, 12129), (56, 12195), (67, 12255), (71, 12276), (78, 12300),

Gene: MK4_17 Start: 12230, Stop: 12604, Start Num: 14

Candidate Starts for MK4_17:

(Start: 14 @12230 has 770 MA's), (31, 12332), (42, 12398), (48, 12419), (56, 12485), (71, 12566), (72, 12572), (78, 12590),

Gene: MPlant7149_16 Start: 12477, Stop: 12926, Start Num: 14

Candidate Starts for MPlant7149_16:

(Start: 14 @12477 has 770 MA's), (Start: 20 @12501 has 1 MA's), (71, 12813), (81, 12888),

Gene: MaCh_18 Start: 13925, Stop: 14302, Start Num: 14

Candidate Starts for MaCh_18:

(Start: 14 @13925 has 770 MA's), (Start: 20 @13949 has 1 MA's), (25, 13988), (31, 14027), (33, 14033), (77, 14285), (78, 14288), (79, 14291),

Gene: Mabel_18 Start: 13992, Stop: 14369, Start Num: 14

Candidate Starts for Mabel_18:

(Start: 14 @13992 has 770 MA's), (Start: 20 @14016 has 1 MA's), (25, 14055), (31, 14094), (33, 14100), (77, 14352), (78, 14355), (79, 14358),

Gene: MadMarie_19 Start: 12798, Stop: 13169, Start Num: 14

Candidate Starts for MadMarie_19:

(Start: 14 @12798 has 770 MA's), (Start: 20 @12822 has 1 MA's), (28, 12882), (31, 12900), (56, 13050), (71, 13131), (72, 13137), (78, 13155), (79, 13158),

Gene: Magnar_17 Start: 12624, Stop: 13073, Start Num: 14

Candidate Starts for Magnar_17:

(Start: 14 @12624 has 770 MA's), (Start: 20 @12648 has 1 MA's), (71, 12960), (81, 13035),

Gene: Magnito_16 Start: 12388, Stop: 12837, Start Num: 14

Candidate Starts for Magnito_16:

(Start: 14 @12388 has 770 MA's), (Start: 20 @12412 has 1 MA's), (71, 12724), (81, 12799),

Gene: Mainiac_19 Start: 12789, Stop: 13160, Start Num: 14

Candidate Starts for Mainiac_19:

(Start: 14 @12789 has 770 MA's), (Start: 20 @12813 has 1 MA's), (28, 12873), (31, 12891), (56, 13041), (71, 13122), (72, 13128), (78, 13146), (79, 13149),

Gene: MajorMajor_17 Start: 12293, Stop: 12670, Start Num: 14

Candidate Starts for MajorMajor_17:

(Start: 14 @12293 has 770 MA's), (21, 12320), (23, 12326), (24, 12353), (25, 12356), (31, 12395), (51, 12497), (71, 12632), (77, 12653), (78, 12656), (79, 12659),

Gene: Makemake_17 Start: 14117, Stop: 14566, Start Num: 14

Candidate Starts for Makemake_17:

(Start: 14 @14117 has 770 MA's), (Start: 20 @14141 has 1 MA's), (71, 14453), (81, 14528),

Gene: Malec_19 Start: 13658, Stop: 14035, Start Num: 14

Candidate Starts for Malec_19:

(Start: 14 @13658 has 770 MA's), (21, 13685), (25, 13721), (31, 13760), (36, 13790), (37, 13796), (51, 13862), (71, 13997), (77, 14018), (78, 14021), (79, 14024),

Gene: Malinsilva_21 Start: 12788, Stop: 13159, Start Num: 14

Candidate Starts for Malinsilva_21:

(Start: 14 @12788 has 770 MA's), (Start: 20 @12812 has 1 MA's), (28, 12872), (31, 12890), (56, 13040), (71, 13121), (72, 13127), (78, 13145), (79, 13148),

Gene: Maminiaina_19 Start: 13873, Stop: 14250, Start Num: 14

Candidate Starts for Maminiaina_19:

(Start: 14 @13873 has 770 MA's), (21, 13900), (25, 13936), (31, 13975), (71, 14212), (72, 14218),

Gene: Manatee_18 Start: 13139, Stop: 13588, Start Num: 14

Candidate Starts for Manatee_18:

(Start: 14 @13139 has 770 MA's), (Start: 20 @13163 has 1 MA's), (71, 13475), (81, 13550),

Gene: Manu_20 Start: 12870, Stop: 13241, Start Num: 14

Candidate Starts for Manu_20:

(Start: 14 @12870 has 770 MA's), (Start: 20 @12894 has 1 MA's), (28, 12954), (31, 12972), (56, 13122), (71, 13203), (72, 13209), (78, 13227), (79, 13230),

Gene: MarQuardt_19 Start: 12797, Stop: 13168, Start Num: 14

Candidate Starts for MarQuardt_19:

(Start: 14 @12797 has 770 MA's), (Start: 20 @12821 has 1 MA's), (28, 12881), (31, 12899), (56, 13049), (71, 13130), (72, 13136), (78, 13154), (79, 13157),

Gene: Marcell_17 Start: 13137, Stop: 13586, Start Num: 14

Candidate Starts for Marcell_17:

(Start: 14 @13137 has 770 MA's), (Start: 20 @13161 has 1 MA's), (71, 13473), (81, 13548),

Gene: Marchesa_17 Start: 12394, Stop: 12768, Start Num: 14

Candidate Starts for Marchesa_17:

(Start: 14 @12394 has 770 MA's), (31, 12496), (42, 12562), (48, 12583), (56, 12649), (71, 12730), (72, 12736), (78, 12754),

Gene: Marchy_16 Start: 12467, Stop: 12916, Start Num: 14

Candidate Starts for Marchy_16:

(Start: 14 @12467 has 770 MA's), (Start: 20 @12491 has 1 MA's), (71, 12803), (81, 12878),

Gene: Marge_18 Start: 13363, Stop: 13812, Start Num: 14

Candidate Starts for Marge_18:

(Start: 14 @13363 has 770 MA's), (Start: 20 @13387 has 1 MA's), (71, 13699), (81, 13774),

Gene: Margo_18 Start: 12909, Stop: 13283, Start Num: 14

Candidate Starts for Margo_18:

(Start: 14 @12909 has 770 MA's), (Start: 20 @12933 has 1 MA's), (31, 13011), (42, 13077), (48, 13098), (56, 13164), (71, 13245), (78, 13269),

Gene: Marie_19 Start: 12794, Stop: 13165, Start Num: 14

Candidate Starts for Marie_19:

(Start: 14 @12794 has 770 MA's), (Start: 20 @12818 has 1 MA's), (28, 12878), (31, 12896), (56, 13046), (71, 13127), (72, 13133), (78, 13151), (79, 13154),

Gene: Marius_20 Start: 12870, Stop: 13241, Start Num: 14

Candidate Starts for Marius_20:

(Start: 14 @12870 has 770 MA's), (Start: 20 @12894 has 1 MA's), (28, 12954), (31, 12972), (56, 13122), (71, 13203), (72, 13209), (78, 13227), (79, 13230),

Gene: Maroc7_16 Start: 12649, Stop: 13098, Start Num: 14

Candidate Starts for Maroc7_16:

(Start: 14 @12649 has 770 MA's), (Start: 20 @12673 has 1 MA's), (71, 12985), (81, 13060),

Gene: Marsha_17 Start: 13405, Stop: 13854, Start Num: 14

Candidate Starts for Marsha_17:

(Start: 14 @13405 has 770 MA's), (Start: 20 @13429 has 1 MA's), (71, 13741), (81, 13816),

Gene: MaryBeth_17 Start: 13071, Stop: 13520, Start Num: 14

Candidate Starts for MaryBeth_17:

(Start: 14 @13071 has 770 MA's), (Start: 20 @13095 has 1 MA's), (71, 13407), (81, 13482),

Gene: MarysWell_13 Start: 11768, Stop: 12142, Start Num: 13

Candidate Starts for MarysWell_13:

(Start: 13 @11768 has 49 MA's), (Start: 20 @11792 has 1 MA's), (22, 11798), (42, 11936), (49, 11960), (56, 12023), (67, 12083), (71, 12104), (77, 12125), (78, 12128), (79, 12131),

Gene: MaterMagnus_10 Start: 7296, Stop: 7652, Start Num: 14

Candidate Starts for MaterMagnus_10:

(Start: 14 @7296 has 770 MA's), (26, 7365), (30, 7395), (32, 7401), (46, 7458), (48, 7467), (65, 7596), (73, 7638),

Gene: Maverick_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Maverick_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Maxo_17 Start: 12686, Stop: 13042, Start Num: 14

Candidate Starts for Maxo_17:

(Start: 14 @12686 has 770 MA's), (31, 12788), (42, 12836), (48, 12857), (56, 12923), (63, 12959), (71, 13004), (79, 13031),

Gene: Mazhar510_17 Start: 12689, Stop: 13045, Start Num: 14

Candidate Starts for Mazhar510_17:

(Start: 14 @12689 has 770 MA's), (31, 12791), (42, 12839), (48, 12860), (56, 12926), (63, 12962), (71, 13007), (79, 13034),

Gene: McFly_21 Start: 13484, Stop: 13861, Start Num: 14

Candidate Starts for McFly_21:

(Start: 14 @13484 has 770 MA's), (21, 13511), (23, 13517), (24, 13544), (25, 13547), (31, 13586), (71, 13823), (78, 13847), (79, 13850),

Gene: McGuire_18 Start: 12958, Stop: 13407, Start Num: 14

Candidate Starts for McGuire_18:

(Start: 14 @12958 has 770 MA's), (Start: 20 @12982 has 1 MA's), (71, 13294), (81, 13369),

Gene: Medusa_17 Start: 12689, Stop: 13045, Start Num: 14

Candidate Starts for Medusa_17:

(Start: 14 @12689 has 770 MA's), (31, 12791), (42, 12839), (48, 12860), (56, 12926), (63, 12962), (71, 13007), (79, 13034),

Gene: MeeZee_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for MeeZee_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Melvin_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Melvin_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: MetalQZJ_17 Start: 13071, Stop: 13520, Start Num: 14

Candidate Starts for MetalQZJ_17:

(Start: 14 @13071 has 770 MA's), (Start: 20 @13095 has 1 MA's), (71, 13407), (81, 13482),

Gene: Methuselah_19 Start: 12879, Stop: 13250, Start Num: 14

Candidate Starts for Methuselah_19:

(Start: 14 @12879 has 770 MA's), (Start: 20 @12903 has 1 MA's), (28, 12963), (31, 12981), (56, 13131), (71, 13212), (72, 13218), (78, 13236), (79, 13239),

Gene: Micasa_14 Start: 11769, Stop: 12143, Start Num: 13

Candidate Starts for Micasa_14:

(Start: 13 @11769 has 49 MA's), (Start: 20 @11793 has 1 MA's), (22, 11799), (42, 11937), (49, 11961), (56, 12024), (67, 12084), (71, 12105), (77, 12126), (78, 12129), (79, 12132),

Gene: Michley_17 Start: 12818, Stop: 13267, Start Num: 14

Candidate Starts for Michley_17:

(Start: 14 @12818 has 770 MA's), (Start: 20 @12842 has 1 MA's), (71, 13154), (81, 13229),

Gene: Microwolf_19 Start: 12797, Stop: 13168, Start Num: 14

Candidate Starts for Microwolf_19:

(Start: 14 @12797 has 770 MA's), (Start: 20 @12821 has 1 MA's), (28, 12881), (31, 12899), (56, 13049), (71, 13130), (72, 13136), (78, 13154), (79, 13157),

Gene: MiculUcigas_18 Start: 13422, Stop: 13799, Start Num: 14

Candidate Starts for MiculUcigas_18:

(Start: 14 @13422 has 770 MA's), (21, 13449), (23, 13455), (25, 13485), (31, 13524), (36, 13554), (51, 13626), (71, 13761), (77, 13782), (78, 13785), (79, 13788),

Gene: Midas2_14 Start: 11768, Stop: 12142, Start Num: 13

Candidate Starts for Midas2_14:

(Start: 13 @11768 has 49 MA's), (Start: 20 @11792 has 1 MA's), (22, 11798), (42, 11936), (49, 11960), (56, 12023), (67, 12083), (71, 12104), (77, 12125), (78, 12128), (79, 12131),

Gene: MidnightRain_10 Start: 7292, Stop: 7648, Start Num: 14

Candidate Starts for MidnightRain_10:

(Start: 14 @7292 has 770 MA's), (16, 7298), (17, 7304), (18, 7307), (26, 7361), (29, 7388), (30, 7391), (45, 7451), (46, 7454), (48, 7463), (65, 7592), (68, 7607), (73, 7634),

Gene: Miko_21 Start: 15016, Stop: 15393, Start Num: 14

Candidate Starts for Miko_21:

(Start: 14 @15016 has 770 MA's), (21, 15043), (25, 15079), (31, 15118), (51, 15220), (62, 15304), (71, 15355), (72, 15361), (78, 15379), (79, 15382),

Gene: Milcery_14 Start: 11805, Stop: 12179, Start Num: 13

Candidate Starts for Milcery_14:

(Start: 13 @11805 has 49 MA's), (Start: 20 @11829 has 1 MA's), (22, 11835), (42, 11973), (49, 11997), (56, 12060), (67, 12120), (71, 12141), (77, 12162), (78, 12165), (79, 12168),

Gene: Millski_17 Start: 12691, Stop: 13047, Start Num: 14

Candidate Starts for Millski_17:

(Start: 14 @12691 has 770 MA's), (31, 12793), (42, 12841), (48, 12862), (56, 12928), (63, 12964), (71, 13009), (79, 13036),

Gene: MinecraftSteve_21 Start: 12612, Stop: 12989, Start Num: 14

Candidate Starts for MinecraftSteve_21:

(Start: 14 @12612 has 770 MA's), (31, 12714), (49, 12804), (72, 12957), (78, 12975), (79, 12978),

Gene: Miramae_17 Start: 12636, Stop: 12992, Start Num: 14

Candidate Starts for Miramae_17:

(Start: 14 @12636 has 770 MA's), (31, 12738), (42, 12786), (48, 12807), (56, 12873), (63, 12909), (74, 12966), (79, 12981),

Gene: Misomonster_21 Start: 12879, Stop: 13250, Start Num: 14

Candidate Starts for Misomonster_21:

(Start: 14 @12879 has 770 MA's), (Start: 20 @12903 has 1 MA's), (28, 12963), (31, 12981), (56, 13131), (71, 13212), (72, 13218), (78, 13236), (79, 13239),

Gene: MissWhite_18 Start: 12457, Stop: 12834, Start Num: 14

Candidate Starts for MissWhite_18:

(Start: 14 @12457 has 770 MA's), (21, 12484), (25, 12520), (31, 12559), (51, 12661), (71, 12796), (77, 12817), (78, 12820), (79, 12823),

Gene: Mkhuseleli_18 Start: 12972, Stop: 13421, Start Num: 14

Candidate Starts for Mkhuseleli_18:

(Start: 14 @12972 has 770 MA's), (Start: 20 @12996 has 1 MA's), (71, 13308), (81, 13383),

Gene: Molly_18 Start: 12679, Stop: 13128, Start Num: 14

Candidate Starts for Molly_18:

(Start: 14 @12679 has 770 MA's), (Start: 20 @12703 has 1 MA's), (71, 13015), (81, 13090),

Gene: Monet_19 Start: 14174, Stop: 14623, Start Num: 14

Candidate Starts for Monet_19:

(Start: 14 @14174 has 770 MA's), (Start: 20 @14198 has 1 MA's), (71, 14510), (81, 14585),

Gene: MoneyMay_19 Start: 12794, Stop: 13165, Start Num: 14

Candidate Starts for MoneyMay_19:

(Start: 14 @12794 has 770 MA's), (Start: 20 @12818 has 1 MA's), (28, 12878), (31, 12896), (56, 13046), (71, 13127), (72, 13133), (78, 13151), (79, 13154),

Gene: Moose_16 Start: 12915, Stop: 13364, Start Num: 14

Candidate Starts for Moose_16:

(Start: 14 @12915 has 770 MA's), (Start: 20 @12939 has 1 MA's), (71, 13251), (81, 13326),

Gene: Morpher26_17 Start: 12690, Stop: 13046, Start Num: 14

Candidate Starts for Morpher26_17:

(Start: 14 @12690 has 770 MA's), (31, 12792), (42, 12840), (48, 12861), (56, 12927), (63, 12963), (74, 13020), (79, 13035),

Gene: Morrow_17 Start: 12691, Stop: 13047, Start Num: 14

Candidate Starts for Morrow_17:

(Start: 14 @12691 has 770 MA's), (31, 12793), (42, 12841), (48, 12862), (56, 12928), (63, 12964), (71, 13009), (79, 13036),

Gene: MrGordo_17 Start: 12631, Stop: 13080, Start Num: 14

Candidate Starts for MrGordo_17:

(Start: 14 @12631 has 770 MA's), (Start: 20 @12655 has 1 MA's), (71, 12967), (81, 13042),

Gene: Mryolo_16 Start: 12665, Stop: 13114, Start Num: 14

Candidate Starts for Mryolo_16:

(Start: 14 @12665 has 770 MA's), (Start: 20 @12689 has 1 MA's), (71, 13001), (81, 13076),

Gene: MuchMore_21 Start: 12788, Stop: 13159, Start Num: 14

Candidate Starts for MuchMore_21:

(Start: 14 @12788 has 770 MA's), (Start: 20 @12812 has 1 MA's), (28, 12872), (31, 12890), (56, 13040), (71, 13121), (72, 13127), (78, 13145), (79, 13148),

Gene: Mulciber_18 Start: 13928, Stop: 14305, Start Num: 14

Candidate Starts for Mulciber_18:

(Start: 14 @13928 has 770 MA's), (Start: 20 @13952 has 1 MA's), (25, 13991), (31, 14030), (33, 14036), (77, 14288), (78, 14291), (79, 14294),

Gene: Mule_17 Start: 12953, Stop: 13402, Start Num: 14

Candidate Starts for Mule_17:

(Start: 14 @12953 has 770 MA's), (Start: 20 @12977 has 1 MA's), (71, 13289), (81, 13364),

Gene: Munch_18 Start: 13928, Stop: 14305, Start Num: 14

Candidate Starts for Munch_18:

(Start: 14 @13928 has 770 MA's), (Start: 20 @13952 has 1 MA's), (25, 13991), (31, 14030), (33, 14036), (77, 14288), (78, 14291), (79, 14294),

Gene: Mundrea_17 Start: 12656, Stop: 13012, Start Num: 14

Candidate Starts for Mundrea_17:

(Start: 14 @12656 has 770 MA's), (31, 12758), (42, 12806), (48, 12827), (49, 12830), (56, 12893), (63, 12929), (74, 12986), (79, 13001),

Gene: Museum_19 Start: 12972, Stop: 13421, Start Num: 14

Candidate Starts for Museum_19:

(Start: 14 @12972 has 770 MA's), (Start: 20 @12996 has 1 MA's), (71, 13308), (81, 13383),

Gene: MyraDee_15 Start: 10885, Stop: 11268, Start Num: 14

Candidate Starts for MyraDee_15:

(Start: 14 @10885 has 770 MA's), (22, 10915), (40, 11053), (42, 11062), (56, 11149), (71, 11230), (77, 11251), (78, 11254), (79, 11257),

Gene: Myxus_19 Start: 14140, Stop: 14517, Start Num: 14

Candidate Starts for Myxus_19:

(Start: 14 @14140 has 770 MA's), (31, 14242), (68, 14461), (71, 14479), (72, 14485),

Gene: NEHalo_17 Start: 12701, Stop: 13150, Start Num: 14

Candidate Starts for NEHalo_17:

(Start: 14 @12701 has 770 MA's), (Start: 20 @12725 has 1 MA's), (71, 13037), (81, 13112),

Gene: NaSiaTalie_18 Start: 13419, Stop: 13796, Start Num: 14

Candidate Starts for NaSiaTalie_18:

(Start: 14 @13419 has 770 MA's), (21, 13446), (23, 13452), (25, 13482), (31, 13521), (36, 13551), (51, 13623), (71, 13758), (77, 13779), (78, 13782), (79, 13785),

Gene: Naca_14 Start: 11722, Stop: 12096, Start Num: 13

Candidate Starts for Naca_14:

(Start: 13 @11722 has 49 MA's), (Start: 20 @11746 has 1 MA's), (22, 11752), (49, 11914), (56, 11977), (67, 12037), (71, 12058), (77, 12079), (78, 12082), (79, 12085),

Gene: Naiad_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for Naiad_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (42, 9084), (51, 9120), (53, 9141), (56, 9171), (67, 9231), (70, 9249), (71, 9255), (75, 9276),

Gene: Naira_18 Start: 14453, Stop: 14902, Start Num: 14

Candidate Starts for Naira_18:

(Start: 14 @14453 has 770 MA's), (Start: 20 @14477 has 1 MA's), (71, 14789), (81, 14864),

Gene: Naji_21 Start: 13272, Stop: 13646, Start Num: 14

Candidate Starts for Naji_21:

(Start: 14 @13272 has 770 MA's), (21, 13299), (23, 13305), (25, 13335), (31, 13374), (37, 13410), (49, 13461), (51, 13473), (67, 13584), (71, 13608), (78, 13632), (79, 13635),

Gene: Nancinator_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for Nancinator_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (42, 9084), (51, 9120), (53, 9141), (56, 9171), (67, 9231), (70, 9249), (71, 9255), (75, 9276),

Gene: Natosaleda_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for Natosaleda_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (42, 9084), (51, 9120), (53, 9141), (56, 9171), (67, 9231), (70, 9249), (71, 9255), (75, 9276),

Gene: NearlyHeadless_14 Start: 11413, Stop: 11787, Start Num: 13

Candidate Starts for NearlyHeadless_14:

(Start: 13 @11413 has 49 MA's), (42, 11581), (49, 11605), (51, 11617), (56, 11668), (66, 11725), (67, 11728), (71, 11749), (77, 11770), (78, 11773),

Gene: Nebs_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for Nebs_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: Nebulosus_20 Start: 12490, Stop: 12867, Start Num: 14

Candidate Starts for Nebulosus_20:

(Start: 14 @12490 has 770 MA's), (31, 12592), (49, 12682), (72, 12835), (78, 12853), (79, 12856),

Gene: Nedarya_19 Start: 13079, Stop: 13456, Start Num: 14

Candidate Starts for Nedarya_19:

(Start: 14 @13079 has 770 MA's), (31, 13181), (67, 13394), (72, 13424), (78, 13442), (79, 13445),

Gene: Neeharika16_21 Start: 13475, Stop: 13852, Start Num: 14

Candidate Starts for Neeharika16_21:

(Start: 14 @13475 has 770 MA's), (21, 13502), (23, 13508), (24, 13535), (25, 13538), (31, 13577), (71, 13814), (78, 13838), (79, 13841),

Gene: Nemo27_17 Start: 12687, Stop: 13043, Start Num: 14

Candidate Starts for Nemo27_17:

(Start: 14 @12687 has 770 MA's), (31, 12789), (42, 12837), (48, 12858), (56, 12924), (63, 12960), (71, 13005), (79, 13032),

Gene: Nerujay_18 Start: 13377, Stop: 13826, Start Num: 14

Candidate Starts for Nerujay_18:

(Start: 14 @13377 has 770 MA's), (Start: 20 @13401 has 1 MA's), (71, 13713), (81, 13788),

Gene: Newrala_21 Start: 13475, Stop: 13852, Start Num: 14

Candidate Starts for Newrala_21:

(Start: 14 @13475 has 770 MA's), (21, 13502), (23, 13508), (24, 13535), (25, 13538), (31, 13577), (71, 13814), (78, 13838), (79, 13841),

Gene: Nhonho_17 Start: 13130, Stop: 13579, Start Num: 14

Candidate Starts for Nhonho_17:

(Start: 14 @13130 has 770 MA's), (Start: 20 @13154 has 1 MA's), (71, 13466), (81, 13541),

Gene: NicoleTera_22 Start: 15133, Stop: 15510, Start Num: 14

Candidate Starts for NicoleTera_22:

(Start: 14 @15133 has 770 MA's), (21, 15160), (25, 15196), (31, 15235), (51, 15337), (59, 15403), (71, 15472), (78, 15496), (79, 15499),

Gene: Niza_19 Start: 13988, Stop: 14437, Start Num: 14

Candidate Starts for Niza_19:

(Start: 14 @13988 has 770 MA's), (Start: 20 @14012 has 1 MA's), (71, 14324), (81, 14399),

Gene: Noella_18 Start: 12884, Stop: 13258, Start Num: 14

Candidate Starts for Noella_18:

(Start: 14 @12884 has 770 MA's), (Start: 20 @12908 has 1 MA's), (31, 12986), (42, 13052), (48, 13073), (56, 13139), (71, 13220), (78, 13244),

Gene: Noelle_17 Start: 12742, Stop: 13098, Start Num: 14

Candidate Starts for Noelle_17:

(Start: 14 @12742 has 770 MA's), (31, 12844), (42, 12892), (48, 12913), (56, 12979), (63, 13015), (74, 13072), (79, 13087),

Gene: Norbert_17 Start: 12884, Stop: 13258, Start Num: 14

Candidate Starts for Norbert_17:

(Start: 14 @12884 has 770 MA's), (Start: 20 @12908 has 1 MA's), (31, 12986), (42, 13052), (48, 13073), (56, 13139), (71, 13220), (78, 13244),

Gene: NorthStar_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for NorthStar_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Norz_19 Start: 13624, Stop: 14073, Start Num: 14

Candidate Starts for Norz_19:

(Start: 14 @13624 has 770 MA's), (Start: 20 @13648 has 1 MA's), (81, 14035),

Gene: NotAPhaseMom_17 Start: 12692, Stop: 13048, Start Num: 14

Candidate Starts for NotAPhaseMom_17:

(Start: 14 @12692 has 770 MA's), (31, 12794), (42, 12842), (48, 12863), (56, 12929), (63, 12965), (71, 13010), (79, 13037),

Gene: NothingSpecial_20 Start: 15386, Stop: 15766, Start Num: 14

Candidate Starts for NothingSpecial_20:

(Start: 14 @15386 has 770 MA's), (25, 15449), (31, 15488), (51, 15590), (61, 15671), (64, 15680), (67, 15701), (71, 15725), (78, 15749), (79, 15752),

Gene: Nyxis_17 Start: 12631, Stop: 12987, Start Num: 14

Candidate Starts for Nyxis_17:

(Start: 14 @12631 has 770 MA's), (31, 12733), (42, 12781), (48, 12802), (56, 12868), (63, 12904), (71, 12949), (79, 12976),

Gene: OKCentral2016_17 Start: 12150, Stop: 12524, Start Num: 14

Candidate Starts for OKCentral2016_17:

(Start: 14 @12150 has 770 MA's), (31, 12252), (42, 12318), (48, 12339), (56, 12405), (63, 12441), (71, 12486), (72, 12492), (79, 12513),

Gene: OKaNui_18 Start: 12741, Stop: 13097, Start Num: 14

Candidate Starts for OKaNui_18:

(Start: 14 @12741 has 770 MA's), (31, 12843), (42, 12891), (48, 12912), (56, 12978), (63, 13014), (71, 13059), (79, 13086),

Gene: Obama12_18 Start: 13002, Stop: 13358, Start Num: 14

Candidate Starts for Obama12_18:

(Start: 14 @13002 has 770 MA's), (31, 13104), (42, 13152), (48, 13173), (56, 13239), (63, 13275), (71, 13320), (79, 13347),

Gene: Odin_17 Start: 12161, Stop: 12538, Start Num: 14

Candidate Starts for Odin_17:

(Start: 14 @12161 has 770 MA's), (21, 12188), (23, 12194), (25, 12224), (31, 12263), (71, 12500), (78, 12524), (79, 12527),

Gene: Ohfah_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for Ohfah_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: Ohno789_17 Start: 12771, Stop: 13220, Start Num: 14

Candidate Starts for Ohno789_17:

(Start: 14 @12771 has 770 MA's), (Start: 20 @12795 has 1 MA's), (71, 13107), (81, 13182),

Gene: OlanP_19 Start: 13050, Stop: 13421, Start Num: 14

Candidate Starts for OlanP_19:

(Start: 14 @13050 has 770 MA's), (Start: 20 @13074 has 1 MA's), (28, 13134), (31, 13152), (56, 13302), (71, 13383), (72, 13389), (78, 13407), (79, 13410),

Gene: Ollie_19 Start: 12667, Stop: 13038, Start Num: 14

Candidate Starts for Ollie_19:

(Start: 14 @12667 has 770 MA's), (Start: 20 @12691 has 1 MA's), (28, 12751), (31, 12769), (56, 12919), (71, 13000), (72, 13006), (78, 13024), (79, 13027),

Gene: Onglai_18 Start: 12474, Stop: 12851, Start Num: 14

Candidate Starts for Onglai_18:

(Start: 14 @12474 has 770 MA's), (31, 12576), (68, 12795), (71, 12813), (72, 12819),

Gene: Oofda_21 Start: 12461, Stop: 12838, Start Num: 14

Candidate Starts for Oofda_21:

(Start: 14 @12461 has 770 MA's), (31, 12563), (49, 12653), (72, 12806), (78, 12824), (79, 12827),

Gene: Oogway_16 Start: 12883, Stop: 13332, Start Num: 14

Candidate Starts for Oogway_16:

(Start: 14 @12883 has 770 MA's), (71, 13219), (81, 13294),

Gene: Orange_18 Start: 13928, Stop: 14305, Start Num: 14

Candidate Starts for Orange_18:

(Start: 14 @13928 has 770 MA's), (Start: 20 @13952 has 1 MA's), (25, 13991), (31, 14030), (33, 14036), (77, 14288), (78, 14291), (79, 14294),

Gene: P28Green_19 Start: 12795, Stop: 13166, Start Num: 14

Candidate Starts for P28Green_19:

(Start: 14 @12795 has 770 MA's), (Start: 20 @12819 has 1 MA's), (28, 12879), (31, 12897), (56, 13047), (71, 13128), (72, 13134), (78, 13152), (79, 13155),

Gene: PGHhamlin_21 Start: 12788, Stop: 13159, Start Num: 14

Candidate Starts for PGHhamlin_21:

(Start: 14 @12788 has 770 MA's), (Start: 20 @12812 has 1 MA's), (28, 12872), (31, 12890), (56, 13040), (71, 13121), (72, 13127), (78, 13145), (79, 13148),

Gene: PP_27 Start: 18548, Stop: 18922, Start Num: 14

Candidate Starts for PP_27:

(Start: 14 @18548 has 770 MA's), (31, 18650), (48, 18737), (56, 18803), (67, 18863), (71, 18884), (78, 18908), (79, 18911),

Gene: PSullivan_19 Start: 13381, Stop: 13830, Start Num: 14

Candidate Starts for PSullivan_19:

(Start: 14 @13381 has 770 MA's), (Start: 20 @13405 has 1 MA's), (71, 13717), (81, 13792),

Gene: PacerPaul_17 Start: 13148, Stop: 13597, Start Num: 14

Candidate Starts for PacerPaul_17:

(Start: 14 @13148 has 770 MA's), (71, 13484), (81, 13559),

Gene: PackMan_19 Start: 14140, Stop: 14517, Start Num: 14

Candidate Starts for PackMan_19:

(Start: 14 @14140 has 770 MA's), (31, 14242), (68, 14461), (71, 14479), (72, 14485),

Gene: PainterBoy_19 Start: 13553, Stop: 13930, Start Num: 14

Candidate Starts for PainterBoy_19:

(6, 13448), (Start: 14 @13553 has 770 MA's), (21, 13580), (25, 13616), (26, 13622), (31, 13655), (57, 13811), (71, 13892), (72, 13898), (77, 13913), (79, 13919),

Gene: Palestino_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Palestino_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (61, 12955), (63, 12961), (71, 13006), (79, 13033),

Gene: Panamaxus_18 Start: 12884, Stop: 13258, Start Num: 14

Candidate Starts for Panamaxus_18:

(Start: 14 @12884 has 770 MA's), (Start: 20 @12908 has 1 MA's), (31, 12986), (42, 13052), (48, 13073), (56, 13139), (71, 13220), (78, 13244),

Gene: Papez_19 Start: 14600, Stop: 15049, Start Num: 14

Candidate Starts for Papez_19:

(Start: 14 @14600 has 770 MA's), (Start: 20 @14624 has 1 MA's), (71, 14936), (81, 15011),

Gene: Paphu_16 Start: 12337, Stop: 12786, Start Num: 14

Candidate Starts for Paphu_16:

(Start: 14 @12337 has 770 MA's), (Start: 20 @12361 has 1 MA's), (71, 12673), (81, 12748),

Gene: Paraselene_16 Start: 12653, Stop: 13102, Start Num: 14

Candidate Starts for Paraselene_16:

(Start: 14 @12653 has 770 MA's), (Start: 20 @12677 has 1 MA's), (71, 12989), (81, 13064),

Gene: Pari_18 Start: 13128, Stop: 13577, Start Num: 14

Candidate Starts for Pari_18:

(Start: 14 @13128 has 770 MA's), (Start: 20 @13152 has 1 MA's), (71, 13464), (81, 13539),

Gene: Parliament_16 Start: 13017, Stop: 13466, Start Num: 14

Candidate Starts for Parliament_16:

(Start: 14 @13017 has 770 MA's), (Start: 20 @13041 has 1 MA's), (71, 13353), (81, 13428),

Gene: Partridge_14 Start: 8943, Stop: 9323, Start Num: 14

Candidate Starts for Partridge_14:

(Start: 14 @8943 has 770 MA's), (Start: 20 @8967 has 1 MA's), (27, 9015), (38, 9084), (42, 9111), (56, 9198), (70, 9276), (71, 9282), (75, 9303),

Gene: PascalRango_16 Start: 12572, Stop: 13021, Start Num: 14

Candidate Starts for PascalRango_16:

(Start: 14 @12572 has 770 MA's), (71, 12908), (81, 12983),

Gene: PattyP_19 Start: 13181, Stop: 13630, Start Num: 14

Candidate Starts for PattyP_19:

(Start: 14 @13181 has 770 MA's), (Start: 20 @13205 has 1 MA's), (71, 13517), (81, 13592),

Gene: Pawn_19 Start: 12870, Stop: 13241, Start Num: 14

Candidate Starts for Pawn_19:

(Start: 14 @12870 has 770 MA's), (Start: 20 @12894 has 1 MA's), (28, 12954), (31, 12972), (56, 13122), (71, 13203), (72, 13209), (78, 13227), (79, 13230),

Gene: Payneful_17 Start: 12467, Stop: 12916, Start Num: 14

Candidate Starts for Payneful_17:

(Start: 14 @12467 has 770 MA's), (Start: 20 @12491 has 1 MA's), (71, 12803), (81, 12878),

Gene: PeaceMeal1_16 Start: 10549, Stop: 10923, Start Num: 14

Candidate Starts for PeaceMeal1_16:

(Start: 14 @10549 has 770 MA's), (31, 10651), (42, 10717), (48, 10738), (50, 10744), (56, 10804), (63, 10840), (67, 10864), (79, 10912),

Gene: Peaches_17 Start: 12687, Stop: 13043, Start Num: 14

Candidate Starts for Peaches_17:

(Start: 14 @12687 has 770 MA's), (31, 12789), (42, 12837), (48, 12858), (56, 12924), (63, 12960), (71, 13005), (79, 13032),

Gene: Pelly_18 Start: 13417, Stop: 13866, Start Num: 14

Candidate Starts for Pelly_18:

(Start: 14 @13417 has 770 MA's), (Start: 20 @13441 has 1 MA's), (71, 13753), (81, 13828),

Gene: Pembroke_19 Start: 12797, Stop: 13168, Start Num: 14

Candidate Starts for Pembroke_19:

(Start: 14 @12797 has 770 MA's), (Start: 20 @12821 has 1 MA's), (28, 12881), (31, 12899), (56, 13049), (71, 13130), (72, 13136), (78, 13154), (79, 13157),

Gene: Penny1_19 Start: 12796, Stop: 13167, Start Num: 14

Candidate Starts for Penny1_19:

(Start: 14 @12796 has 770 MA's), (Start: 20 @12820 has 1 MA's), (28, 12880), (31, 12898), (56, 13048), (71, 13129), (72, 13135), (78, 13153), (79, 13156),

Gene: Pepe_18 Start: 13372, Stop: 13821, Start Num: 14

Candidate Starts for Pepe_18:

(Start: 14 @13372 has 770 MA's), (Start: 20 @13396 has 1 MA's), (71, 13708), (81, 13783),

Gene: Perplexer_17 Start: 12684, Stop: 13040, Start Num: 14

Candidate Starts for Perplexer_17:

(Start: 14 @12684 has 770 MA's), (31, 12786), (42, 12834), (48, 12855), (56, 12921), (63, 12957), (74, 13014), (79, 13029),

Gene: Perseus_18 Start: 13036, Stop: 13485, Start Num: 14

Candidate Starts for Perseus_18:

(Start: 14 @13036 has 770 MA's), (Start: 20 @13060 has 1 MA's), (71, 13372), (81, 13447),

Gene: Persistence_9 Start: 7363, Stop: 7719, Start Num: 14

Candidate Starts for Persistence_9:

(Start: 14 @7363 has 770 MA's), (16, 7369), (17, 7375), (18, 7378), (29, 7459), (42, 7513), (47, 7528), (48, 7534), (68, 7678), (73, 7705),

Gene: PeterPeter_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for PeterPeter_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Petersenfast_17 Start: 13931, Stop: 14308, Start Num: 14

Candidate Starts for Petersenfast_17:

(Start: 14 @13931 has 770 MA's), (Start: 20 @13955 has 1 MA's), (25, 13994), (31, 14033), (33, 14039), (77, 14291), (78, 14294), (79, 14297),

Gene: Peterson_20 Start: 14627, Stop: 15076, Start Num: 14

Candidate Starts for Peterson_20:

(Start: 14 @14627 has 770 MA's), (Start: 20 @14651 has 1 MA's), (71, 14963), (81, 15038),

Gene: PetiteSangsue_17 Start: 12690, Stop: 13046, Start Num: 14

Candidate Starts for PetiteSangsue_17:

(Start: 14 @12690 has 770 MA's), (31, 12792), (42, 12840), (48, 12861), (56, 12927), (63, 12963), (74, 13020), (79, 13035),

Gene: Petp2012_19 Start: 13849, Stop: 14298, Start Num: 14

Candidate Starts for Petp2012_19:

(Start: 14 @13849 has 770 MA's), (Start: 20 @13873 has 1 MA's), (71, 14185), (81, 14260),

Gene: Petruccio_17 Start: 12878, Stop: 13327, Start Num: 14

Candidate Starts for Petruccio_17:

(Start: 14 @12878 has 770 MA's), (Start: 20 @12902 has 1 MA's), (71, 13214), (81, 13289),

Gene: PetterN_15 Start: 11609, Stop: 11983, Start Num: 13

Candidate Starts for PetterN_15:

(Start: 13 @11609 has 49 MA's), (Start: 20 @11633 has 1 MA's), (22, 11639), (49, 11801), (56, 11864), (67, 11924), (71, 11945), (77, 11966), (78, 11969), (79, 11972),

Gene: Ph8s_19 Start: 12120, Stop: 12497, Start Num: 14

Candidate Starts for Ph8s_19:

(Start: 14 @12120 has 770 MA's), (21, 12147), (23, 12153), (25, 12183), (31, 12222), (71, 12459), (78, 12483), (79, 12486),

Gene: Phacado_17 Start: 12687, Stop: 13043, Start Num: 14

Candidate Starts for Phacado_17:

(Start: 14 @12687 has 770 MA's), (31, 12789), (42, 12837), (48, 12858), (56, 12924), (63, 12960), (71, 13005), (79, 13032),

Gene: Phaded_21 Start: 15461, Stop: 15838, Start Num: 14

Candidate Starts for Phaded_21:

(Start: 14 @15461 has 770 MA's), (24, 15521), (25, 15524), (31, 15563), (51, 15665), (64, 15755), (67, 15776), (71, 15800),

Gene: Phaeder_19 Start: 14140, Stop: 14517, Start Num: 14

Candidate Starts for Phaeder_19:

(Start: 14 @14140 has 770 MA's), (31, 14242), (68, 14461), (71, 14479), (72, 14485),

Gene: PhailMary_13 Start: 8926, Stop: 9306, Start Num: 14

Candidate Starts for PhailMary_13:

(Start: 14 @8926 has 770 MA's), (Start: 20 @8950 has 1 MA's), (26, 8995), (27, 8998), (38, 9067), (42, 9094), (56, 9181), (70, 9259), (71, 9265), (75, 9286),

Gene: Phantastic_17 Start: 12309, Stop: 12683, Start Num: 14

Candidate Starts for Phantastic_17:

(Start: 14 @12309 has 770 MA's), (31, 12411), (42, 12477), (48, 12498), (56, 12564), (71, 12645), (72, 12651), (78, 12669),

Gene: Pharaoh_18 Start: 13887, Stop: 14264, Start Num: 14

Candidate Starts for Pharaoh_18:

(Start: 14 @13887 has 770 MA's), (25, 13950), (31, 13989), (48, 14076), (51, 14091), (53, 14112), (71, 14226), (78, 14250),

Gene: Phelipe_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Phelipe_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: PherrisBueller_18 Start: 12801, Stop: 13250, Start Num: 14

Candidate Starts for PherrisBueller_18:

(Start: 14 @12801 has 770 MA's), (Start: 20 @12825 has 1 MA's), (81, 13212),

Gene: Phighter1804_17 Start: 12666, Stop: 13022, Start Num: 14

Candidate Starts for Phighter1804_17:

(Start: 14 @12666 has 770 MA's), (31, 12768), (42, 12816), (48, 12837), (56, 12903), (63, 12939), (71, 12984), (79, 13011),

Gene: Phillis_14 Start: 11371, Stop: 11745, Start Num: 13

Candidate Starts for Phillis_14:

(Start: 13 @11371 has 49 MA's), (42, 11539), (49, 11563), (51, 11575), (56, 11626), (66, 11683), (67, 11686), (71, 11707), (77, 11728), (78, 11731),

Gene: PhishRPhriends_18 Start: 12055, Stop: 12426, Start Num: 14

Candidate Starts for PhishRPhriends_18:

(Start: 14 @12055 has 770 MA's), (Start: 20 @12079 has 1 MA's), (28, 12139), (31, 12157), (56, 12307), (71, 12388), (72, 12394), (78, 12412), (79, 12415),

Gene: Phlei_13 Start: 13995, Stop: 14369, Start Num: 14

Candidate Starts for Phlei_13:

(11, 13974), (Start: 14 @13995 has 770 MA's), (31, 14097), (48, 14181), (49, 14184), (71, 14331), (77, 14352), (79, 14358),

Gene: Phlorence_14 Start: 11908, Stop: 12282, Start Num: 13

Candidate Starts for Phlorence_14:

(Start: 13 @11908 has 49 MA's), (Start: 20 @11932 has 1 MA's), (22, 11938), (49, 12100), (56, 12163), (61, 12193), (67, 12223), (71, 12244), (77, 12265), (78, 12268), (79, 12271),

Gene: Phoebe_19 Start: 12794, Stop: 13165, Start Num: 14

Candidate Starts for Phoebe_19:

(Start: 14 @12794 has 770 MA's), (Start: 20 @12818 has 1 MA's), (28, 12878), (31, 12896), (56, 13046), (71, 13127), (72, 13133), (78, 13151), (79, 13154),

Gene: Phonnegut_19 Start: 14173, Stop: 14550, Start Num: 14

Candidate Starts for Phonnegut_19:

(Start: 14 @14173 has 770 MA's), (31, 14275), (68, 14494), (71, 14512), (72, 14518),

Gene: Phontbonne_17 Start: 12632, Stop: 12988, Start Num: 14

Candidate Starts for Phontbonne_17:

(Start: 14 @12632 has 770 MA's), (31, 12734), (42, 12782), (48, 12803), (56, 12869), (63, 12905), (71, 12950), (79, 12977),

Gene: Phoxy_19 Start: 12880, Stop: 13251, Start Num: 14

Candidate Starts for Phoxy_19:

(Start: 14 @12880 has 770 MA's), (Start: 20 @12904 has 1 MA's), (28, 12964), (31, 12982), (56, 13132), (71, 13213), (72, 13219), (78, 13237), (79, 13240),

Gene: Phrank15_9 Start: 7448, Stop: 7804, Start Num: 14

Candidate Starts for Phrank15_9:

(Start: 14 @7448 has 770 MA's), (26, 7517), (30, 7547), (32, 7553), (46, 7610), (48, 7619), (65, 7748), (73, 7790),

Gene: Phrankenstein_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for Phrankenstein_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (42, 9084), (51, 9120), (53, 9141), (56, 9171), (67, 9231), (70, 9249), (71, 9255), (75, 9276),

Gene: Phranny_20 Start: 12862, Stop: 13233, Start Num: 14

Candidate Starts for Phranny_20:

(Start: 14 @12862 has 770 MA's), (Start: 20 @12886 has 1 MA's), (28, 12946), (31, 12964), (56, 13114), (71, 13195), (72, 13201), (78, 13219), (79, 13222),

Gene: PhrostyMug_17 Start: 12950, Stop: 13399, Start Num: 14

Candidate Starts for PhrostyMug_17:

(Start: 14 @12950 has 770 MA's), (Start: 20 @12974 has 1 MA's), (71, 13286), (81, 13361),

Gene: PickleBack_14 Start: 11622, Stop: 11996, Start Num: 13

Candidate Starts for PickleBack_14:

(Start: 13 @11622 has 49 MA's), (Start: 20 @11646 has 1 MA's), (22, 11652), (49, 11814), (56, 11877), (61, 11907), (67, 11937), (71, 11958), (77, 11979), (78, 11982), (79, 11985),

Gene: PinkPlastic_16 Start: 12715, Stop: 13164, Start Num: 14

Candidate Starts for PinkPlastic_16:

(Start: 14 @12715 has 770 MA's), (Start: 20 @12739 has 1 MA's), (71, 13051), (81, 13126),

Gene: Pinto_19 Start: 13032, Stop: 13481, Start Num: 14

Candidate Starts for Pinto_19:

(Start: 14 @13032 has 770 MA's), (Start: 20 @13056 has 1 MA's), (71, 13368), (81, 13443),

Gene: Pioneer_19 Start: 14173, Stop: 14550, Start Num: 14

Candidate Starts for Pioneer_19:

(Start: 14 @14173 has 770 MA's), (31, 14275), (68, 14494), (71, 14512), (72, 14518),

Gene: Pipcraft_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Pipcraft_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Pippin_19 Start: 13284, Stop: 13733, Start Num: 14

Candidate Starts for Pippin_19:

(Start: 14 @13284 has 770 MA's), (71, 13620), (81, 13695),

Gene: Piro94_19 Start: 13880, Stop: 14257, Start Num: 14

Candidate Starts for Piro94_19:

(Start: 14 @13880 has 770 MA's), (21, 13907), (23, 13913), (25, 13943), (31, 13982), (36, 14012), (51, 14084), (71, 14219), (77, 14240), (78, 14243), (79, 14246),

Gene: Pistachio_18 Start: 11890, Stop: 12264, Start Num: 14

Candidate Starts for Pistachio_18:

(Start: 14 @11890 has 770 MA's), (31, 11992), (42, 12058), (48, 12079), (56, 12145), (71, 12226), (72, 12232), (78, 12250),

Gene: Pita2_19 Start: 13381, Stop: 13830, Start Num: 14

Candidate Starts for Pita2_19:

(Start: 14 @13381 has 770 MA's), (Start: 20 @13405 has 1 MA's), (71, 13717), (81, 13792),

Gene: Pmask_21 Start: 13476, Stop: 13853, Start Num: 14

Candidate Starts for Pmask_21:

(Start: 14 @13476 has 770 MA's), (21, 13503), (23, 13509), (24, 13536), (25, 13539), (31, 13578), (71, 13815), (78, 13839), (79, 13842),

Gene: Pocahontas_18 Start: 12881, Stop: 13255, Start Num: 14

Candidate Starts for Pocahontas_18:

(Start: 14 @12881 has 770 MA's), (Start: 20 @12905 has 1 MA's), (31, 12983), (42, 13049), (48, 13070), (56, 13136), (71, 13217), (78, 13241),

Gene: Polymorphads_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for Polymorphads_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: Pomar16_21 Start: 13313, Stop: 13687, Start Num: 14

Candidate Starts for Pomar16_21:

(Start: 14 @13313 has 770 MA's), (21, 13340), (23, 13346), (25, 13376), (31, 13415), (37, 13451), (49, 13502), (51, 13514), (67, 13625), (71, 13649), (78, 13673), (79, 13676),

Gene: Poompha_16 Start: 10547, Stop: 10921, Start Num: 14

Candidate Starts for Poompha_16:

(Start: 14 @10547 has 770 MA's), (31, 10649), (42, 10715), (48, 10736), (50, 10742), (56, 10802), (63, 10838), (67, 10862), (79, 10910),

Gene: Popcicle_18 Start: 12881, Stop: 13255, Start Num: 14

Candidate Starts for Popcicle_18:

(Start: 14 @12881 has 770 MA's), (Start: 20 @12905 has 1 MA's), (31, 12983), (42, 13049), (48, 13070), (56, 13136), (71, 13217), (78, 13241),

Gene: PotatoSplit_20 Start: 12796, Stop: 13167, Start Num: 14

Candidate Starts for PotatoSplit_20:

(Start: 14 @12796 has 770 MA's), (Start: 20 @12820 has 1 MA's), (28, 12880), (31, 12898), (56, 13048), (71, 13129), (72, 13135), (78, 13153), (79, 13156),

Gene: Power_18 Start: 13318, Stop: 13695, Start Num: 14

Candidate Starts for Power_18:

(Start: 14 @13318 has 770 MA's), (22, 13348), (23, 13351), (25, 13381), (31, 13420), (51, 13522), (71, 13657), (72, 13663), (78, 13681),

Gene: Priamo_21 Start: 13503, Stop: 13880, Start Num: 14

Candidate Starts for Priamo_21:

(Start: 14 @13503 has 770 MA's), (21, 13530), (23, 13536), (24, 13563), (25, 13566), (31, 13605), (71, 13842), (78, 13866), (79, 13869),

Gene: Priya_19 Start: 14171, Stop: 14548, Start Num: 14

Candidate Starts for Priya_19:

(Start: 14 @14171 has 770 MA's), (31, 14273), (68, 14492), (71, 14510), (72, 14516),

Gene: ProMouse_16 Start: 13357, Stop: 13806, Start Num: 14

Candidate Starts for ProMouse_16:

(Start: 14 @13357 has 770 MA's), (Start: 20 @13381 has 1 MA's), (71, 13693), (81, 13768),

Gene: Pukovnik_20 Start: 15014, Stop: 15391, Start Num: 14

Candidate Starts for Pukovnik_20:

(Start: 14 @15014 has 770 MA's), (21, 15041), (25, 15077), (31, 15116), (64, 15308), (67, 15329), (71, 15353), (78, 15377), (79, 15380),

Gene: Pumbaa_17 Start: 12663, Stop: 13019, Start Num: 14

Candidate Starts for Pumbaa_17:

(Start: 14 @12663 has 770 MA's), (31, 12765), (42, 12813), (48, 12834), (56, 12900), (63, 12936), (71, 12981), (79, 13008),

Gene: Puppy_18 Start: 11962, Stop: 12336, Start Num: 14

Candidate Starts for Puppy_18:

(Start: 14 @11962 has 770 MA's), (31, 12064), (42, 12130), (48, 12151), (56, 12217), (71, 12298), (72, 12304), (78, 12322),

Gene: PurpleHaze_19 Start: 12869, Stop: 13240, Start Num: 14

Candidate Starts for PurpleHaze_19:

(Start: 14 @12869 has 770 MA's), (Start: 20 @12893 has 1 MA's), (28, 12953), (31, 12971), (56, 13121), (71, 13202), (72, 13208), (78, 13226), (79, 13229),

Gene: QTRlifeCrisis_17 Start: 13358, Stop: 13807, Start Num: 14

Candidate Starts for QTRlifeCrisis_17:

(Start: 14 @13358 has 770 MA's), (Start: 20 @13382 has 1 MA's), (71, 13694), (81, 13769),

Gene: Qobbit_19 Start: 14170, Stop: 14547, Start Num: 14

Candidate Starts for Qobbit_19:

(Start: 14 @14170 has 770 MA's), (31, 14272), (68, 14491), (71, 14509), (72, 14515),

Gene: QueenB2_18 Start: 13396, Stop: 13773, Start Num: 14

Candidate Starts for QueenB2_18:

(Start: 14 @13396 has 770 MA's), (21, 13423), (23, 13429), (25, 13459), (31, 13498), (35, 13522), (51, 13600), (71, 13735), (78, 13759),

Gene: QueenBeesly_18 Start: 13318, Stop: 13695, Start Num: 14

Candidate Starts for QueenBeesly_18:

(Start: 14 @13318 has 770 MA's), (22, 13348), (23, 13351), (25, 13381), (31, 13420), (51, 13522), (71, 13657), (72, 13663), (78, 13681),

Gene: QuinnKiro_17 Start: 12884, Stop: 13258, Start Num: 14

Candidate Starts for QuinnKiro_17:

(Start: 14 @12884 has 770 MA's), (Start: 20 @12908 has 1 MA's), (31, 12986), (42, 13052), (48, 13073), (56, 13139), (71, 13220), (78, 13244),

Gene: Quokka_16 Start: 12293, Stop: 12670, Start Num: 14

Candidate Starts for Quokka_16:

(Start: 14 @12293 has 770 MA's), (21, 12320), (23, 12326), (24, 12353), (25, 12356), (31, 12395), (51, 12497), (71, 12632), (77, 12653), (78, 12656), (79, 12659),

Gene: RER2_7 Start: 5788, Stop: 6168, Start Num: 14

Candidate Starts for RER2_7:

(Start: 14 @5788 has 770 MA's), (Start: 20 @5812 has 1 MA's), (27, 5860), (42, 5956), (51, 5992), (53, 6013), (56, 6043), (67, 6103), (70, 6121), (71, 6127), (75, 6148),

Gene: RGL3_7 Start: 5752, Stop: 6132, Start Num: 14

Candidate Starts for RGL3_7:

(Start: 14 @5752 has 770 MA's), (27, 5824), (45, 5929), (53, 5977), (56, 6007), (71, 6091),

Gene: Rachaly_21 Start: 15044, Stop: 15421, Start Num: 14

Candidate Starts for Rachaly_21:

(Start: 14 @15044 has 770 MA's), (21, 15071), (25, 15107), (31, 15146), (51, 15248), (62, 15332), (71, 15383), (72, 15389), (78, 15407), (79, 15410),

Gene: RadFad_10 Start: 7292, Stop: 7648, Start Num: 14

Candidate Starts for RadFad_10:

(Start: 14 @7292 has 770 MA's), (16, 7298), (17, 7304), (18, 7307), (26, 7361), (29, 7388), (30, 7391), (45, 7451), (46, 7454), (48, 7463), (65, 7592), (68, 7607), (73, 7634),

Gene: Rahalelujah_17 Start: 12210, Stop: 12587, Start Num: 14

Candidate Starts for Rahalelujah_17:

(Start: 14 @12210 has 770 MA's), (31, 12312), (68, 12531), (71, 12549), (72, 12555), (78, 12573), (79, 12576),

Gene: Raid_18 Start: 12642, Stop: 13091, Start Num: 14

Candidate Starts for Raid_18:

(Start: 14 @12642 has 770 MA's), (Start: 20 @12666 has 1 MA's), (71, 12978), (81, 13053),

Gene: Rajelicia_17 Start: 13166, Stop: 13615, Start Num: 14

Candidate Starts for Rajelicia_17:

(Start: 14 @13166 has 770 MA's), (Start: 20 @13190 has 1 MA's), (71, 13502), (81, 13577),

Gene: Raphaella_10 Start: 7295, Stop: 7651, Start Num: 14

Candidate Starts for Raphaella_10:

(Start: 14 @7295 has 770 MA's), (30, 7394), (32, 7400), (48, 7466), (65, 7595), (68, 7610), (73, 7637),

Gene: Rasputin_14 Start: 8884, Stop: 9264, Start Num: 14

Candidate Starts for Rasputin_14:

(Start: 14 @8884 has 770 MA's), (Start: 20 @8908 has 1 MA's), (27, 8956), (38, 9025), (42, 9052), (51, 9088), (53, 9109), (56, 9139), (70, 9217), (71, 9223), (75, 9244),

Gene: ReMo_20 Start: 12490, Stop: 12867, Start Num: 14

Candidate Starts for ReMo_20:

(Start: 14 @12490 has 770 MA's), (31, 12592), (49, 12682), (72, 12835), (78, 12853), (79, 12856),

Gene: Reba_20 Start: 12535, Stop: 12906, Start Num: 14

Candidate Starts for Reba_20:

(Start: 14 @12535 has 770 MA's), (Start: 20 @12559 has 1 MA's), (28, 12619), (31, 12637), (56, 12787), (71, 12868), (72, 12874), (78, 12892), (79, 12895),

Gene: Rebeuca_18 Start: 12632, Stop: 13006, Start Num: 14

Candidate Starts for Rebeuca_18:

(Start: 14 @12632 has 770 MA's), (31, 12734), (42, 12800), (48, 12821), (56, 12887), (71, 12968), (72, 12974), (79, 12995),

Gene: RedRock_21 Start: 15306, Stop: 15683, Start Num: 14

Candidate Starts for RedRock_21:

(Start: 14 @15306 has 770 MA's), (21, 15333), (25, 15369), (31, 15408), (51, 15510), (77, 15666), (78, 15669), (79, 15672),

Gene: Refuge_21 Start: 15689, Stop: 16066, Start Num: 14

Candidate Starts for Refuge_21:

(Start: 14 @15689 has 770 MA's), (22, 15719), (24, 15749), (25, 15752), (31, 15791), (36, 15821), (51, 15893), (53, 15914), (68, 16010), (71, 16028), (78, 16052),

Gene: Relief_17 Start: 12686, Stop: 13042, Start Num: 14

Candidate Starts for Relief_17:

(Start: 14 @12686 has 770 MA's), (31, 12788), (42, 12836), (48, 12857), (56, 12923), (63, 12959), (71, 13004), (79, 13031),

Gene: Remus_20 Start: 12451, Stop: 12828, Start Num: 14

Candidate Starts for Remus_20:

(Start: 14 @12451 has 770 MA's), (31, 12553), (49, 12643), (72, 12796), (78, 12814), (79, 12817),

Gene: ResDef_18 Start: 12884, Stop: 13258, Start Num: 14

Candidate Starts for ResDef_18:

(Start: 14 @12884 has 770 MA's), (Start: 20 @12908 has 1 MA's), (31, 12986), (42, 13052), (48, 13073), (56, 13139), (71, 13220), (78, 13244),

Gene: Retro23_18 Start: 13469, Stop: 13846, Start Num: 14

Candidate Starts for Retro23_18:

(Start: 14 @13469 has 770 MA's), (22, 13499), (23, 13502), (25, 13532), (31, 13571), (51, 13673), (71, 13808), (78, 13832), (79, 13835),

Gene: RexFury_14 Start: 8947, Stop: 9327, Start Num: 14

Candidate Starts for RexFury_14:

(Start: 14 @8947 has 770 MA's), (Start: 20 @8971 has 1 MA's), (27, 9019), (42, 9115), (51, 9151), (53, 9172), (56, 9202), (67, 9262), (70, 9280), (71, 9286), (75, 9307),

Gene: Rhodalysa_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for Rhodalysa_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (42, 9084), (51, 9120), (53, 9141), (56, 9171), (67, 9231), (70, 9249), (71, 9255), (75, 9276),

Gene: RhynO_18 Start: 12608, Stop: 12982, Start Num: 14

Candidate Starts for RhynO_18:

(Start: 14 @12608 has 770 MA's), (26, 12677), (31, 12710), (48, 12797), (56, 12863), (71, 12944), (74, 12956), (79, 12971),

Gene: Rhynn_17 Start: 12959, Stop: 13408, Start Num: 14

Candidate Starts for Rhynn_17:

(Start: 14 @12959 has 770 MA's), (Start: 20 @12983 has 1 MA's), (71, 13295), (81, 13370),

Gene: Richie_10 Start: 7310, Stop: 7666, Start Num: 14

Candidate Starts for Richie_10:

(Start: 14 @7310 has 770 MA's), (26, 7379), (30, 7409), (32, 7415), (46, 7472), (48, 7481), (65, 7610), (73, 7652),

Gene: RidgeCB_17 Start: 12733, Stop: 13182, Start Num: 14

Candidate Starts for RidgeCB_17:

(Start: 14 @12733 has 770 MA's), (Start: 20 @12757 has 1 MA's), (71, 13069), (81, 13144),

Gene: Rifter_21 Start: 13451, Stop: 13828, Start Num: 14

Candidate Starts for Rifter_21:

(Start: 14 @13451 has 770 MA's), (21, 13478), (24, 13511), (25, 13514), (31, 13553), (54, 13694), (71, 13790), (78, 13814), (79, 13817),

Gene: Ringer_17 Start: 13217, Stop: 13666, Start Num: 14

Candidate Starts for Ringer_17:

(Start: 14 @13217 has 770 MA's), (Start: 20 @13241 has 1 MA's), (71, 13553), (81, 13628),

Gene: Roary_14 Start: 11362, Stop: 11736, Start Num: 13

Candidate Starts for Roary_14:

(Start: 13 @11362 has 49 MA's), (42, 11530), (49, 11554), (51, 11566), (56, 11617), (66, 11674), (67, 11677), (71, 11698), (77, 11719), (78, 11722),

Gene: Rockstar_17 Start: 12236, Stop: 12610, Start Num: 14

Candidate Starts for Rockstar_17:

(Start: 14 @12236 has 770 MA's), (31, 12338), (42, 12404), (48, 12425), (56, 12491), (71, 12572), (72, 12578), (78, 12596),

Gene: Rohr_18 Start: 13156, Stop: 13605, Start Num: 14

Candidate Starts for Rohr_18:

(Start: 14 @13156 has 770 MA's), (Start: 20 @13180 has 1 MA's), (71, 13492), (81, 13567),

Gene: Roksolana_21 Start: 13479, Stop: 13856, Start Num: 14

Candidate Starts for Roksolana_21:

(Start: 14 @13479 has 770 MA's), (21, 13506), (23, 13512), (24, 13539), (25, 13542), (31, 13581), (54, 13722), (71, 13818), (78, 13842), (79, 13845),

Gene: Romney_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Romney_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Roosevelt_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Roosevelt_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Rosa24_16 Start: 12661, Stop: 13017, Start Num: 14

Candidate Starts for Rosa24_16:

(Start: 14 @12661 has 770 MA's), (31, 12763), (42, 12811), (48, 12832), (56, 12898), (63, 12934), (71, 12979), (79, 13006),

Gene: Rosalind_20 Start: 12612, Stop: 12989, Start Num: 14

Candidate Starts for Rosalind_20:

(Start: 14 @12612 has 770 MA's), (31, 12714), (49, 12804), (72, 12957), (78, 12975), (79, 12978),

Gene: Rowdy_20 Start: 12519, Stop: 12893, Start Num: 14

Candidate Starts for Rowdy_20:

(Start: 14 @12519 has 770 MA's), (26, 12588), (31, 12621), (48, 12708), (56, 12774), (71, 12855), (74, 12867), (79, 12882),

Gene: Rubeus_18 Start: 12991, Stop: 13440, Start Num: 14

Candidate Starts for Rubeus_18:

(Start: 14 @12991 has 770 MA's), (Start: 20 @13015 has 1 MA's), (71, 13327), (81, 13402),

Gene: Rufus_18 Start: 13324, Stop: 13773, Start Num: 14

Candidate Starts for Rufus_18:

(Start: 14 @13324 has 770 MA's), (Start: 20 @13348 has 1 MA's), (71, 13660), (81, 13735),

Gene: Ruin_17 Start: 12684, Stop: 13040, Start Num: 14

Candidate Starts for Ruin_17:

(Start: 14 @12684 has 770 MA's), (31, 12786), (42, 12834), (48, 12855), (56, 12921), (63, 12957), (71, 13002), (79, 13029),

Gene: Rummer_19 Start: 12880, Stop: 13251, Start Num: 14

Candidate Starts for Rummer_19:

(Start: 14 @12880 has 770 MA's), (Start: 20 @12904 has 1 MA's), (28, 12964), (31, 12982), (56, 13132), (71, 13213), (72, 13219), (78, 13237), (79, 13240),

Gene: Ruotula_16 Start: 13164, Stop: 13610, Start Num: 14

Candidate Starts for Ruotula_16:

(Start: 14 @13164 has 770 MA's), (Start: 20 @13188 has 1 MA's), (71, 13497), (81, 13572),

Gene: Rutherferd_19 Start: 13504, Stop: 13953, Start Num: 14

Candidate Starts for Rutherferd_19:

(Start: 14 @13504 has 770 MA's), (Start: 20 @13528 has 1 MA's), (71, 13840), (81, 13915),

Gene: RyeScarlet_20 Start: 14144, Stop: 14521, Start Num: 14

Candidate Starts for RyeScarlet_20:

(Start: 14 @14144 has 770 MA's), (31, 14246), (68, 14465), (71, 14483), (72, 14489),

Gene: SPB78_9 Start: 6952, Stop: 7395, Start Num: 15

Candidate Starts for SPB78_9:

(1, 6325), (2, 6727), (5, 6838), (9, 6910), (15, 6952), (35, 7078), (51, 7159), (66, 7258), (67, 7261),

Gene: STLscum_18 Start: 13367, Stop: 13816, Start Num: 14

Candidate Starts for STLscum_18:

(Start: 14 @13367 has 770 MA's), (Start: 20 @13391 has 1 MA's), (71, 13703), (81, 13778),

Gene: Sabertooth_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for Sabertooth_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: Sabia_19 Start: 12789, Stop: 13160, Start Num: 14

Candidate Starts for Sabia_19:

(Start: 14 @12789 has 770 MA's), (Start: 20 @12813 has 1 MA's), (28, 12873), (31, 12891), (56, 13041), (71, 13122), (72, 13128), (78, 13146), (79, 13149),

Gene: Sabinator_19 Start: 12794, Stop: 13165, Start Num: 14

Candidate Starts for Sabinator_19:

(Start: 14 @12794 has 770 MA's), (Start: 20 @12818 has 1 MA's), (28, 12878), (31, 12896), (56, 13046), (71, 13127), (72, 13133), (78, 13151), (79, 13154),

Gene: Sachima_17 Start: 14140, Stop: 14517, Start Num: 14

Candidate Starts for Sachima_17:

(Start: 14 @14140 has 770 MA's), (31, 14242), (68, 14461), (71, 14479), (72, 14485),

Gene: Sagefire_18 Start: 13764, Stop: 14213, Start Num: 14

Candidate Starts for Sagefire_18:

(Start: 14 @13764 has 770 MA's), (Start: 20 @13788 has 1 MA's), (71, 14100), (81, 14175),

Gene: Saintus_14 Start: 11377, Stop: 11751, Start Num: 13

Candidate Starts for Saintus_14:

(Start: 13 @11377 has 49 MA's), (42, 11545), (49, 11569), (51, 11581), (56, 11632), (66, 11689), (67, 11692), (71, 11713), (77, 11734), (78, 11737),

Gene: Sakai_10 Start: 7304, Stop: 7660, Start Num: 14

Candidate Starts for Sakai_10:

(Start: 14 @7304 has 770 MA's), (26, 7373), (30, 7403), (32, 7409), (46, 7466), (48, 7475), (65, 7604), (73, 7646),

Gene: Salz_18 Start: 13925, Stop: 14302, Start Num: 14

Candidate Starts for Salz_18:

(Start: 14 @13925 has 770 MA's), (Start: 20 @13949 has 1 MA's), (25, 13988), (31, 14027), (33, 14033), (77, 14285), (78, 14288), (79, 14291),

Gene: Sandaddy_16 Start: 12879, Stop: 13328, Start Num: 14

Candidate Starts for Sandaddy_16:

(Start: 14 @12879 has 770 MA's), (Start: 20 @12903 has 1 MA's), (71, 13215), (81, 13290),

Gene: Sanya_16 Start: 13541, Stop: 13990, Start Num: 14

Candidate Starts for Sanya_16:

(Start: 14 @13541 has 770 MA's), (Start: 20 @13565 has 1 MA's), (71, 13877), (81, 13952),

Gene: SarFire_17 Start: 13033, Stop: 13482, Start Num: 14

Candidate Starts for SarFire_17:

(Start: 14 @13033 has 770 MA's), (Start: 20 @13057 has 1 MA's), (71, 13369), (81, 13444),

Gene: Sashimi_11 Start: 7410, Stop: 7766, Start Num: 14

Candidate Starts for Sashimi_11:

(Start: 14 @7410 has 770 MA's), (21, 7437), (32, 7515), (46, 7572), (48, 7581), (58, 7662), (65, 7710), (66, 7716), (68, 7725), (73, 7752),

Gene: SaturnRing_17 Start: 12343, Stop: 12717, Start Num: 14

Candidate Starts for SaturnRing_17:

(Start: 14 @12343 has 770 MA's), (31, 12445), (42, 12511), (48, 12532), (56, 12598), (71, 12679), (72, 12685), (78, 12703),

Gene: Scamp_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Scamp_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Scherzo_19 Start: 14173, Stop: 14550, Start Num: 14

Candidate Starts for Scherzo_19:

(Start: 14 @14173 has 770 MA's), (31, 14275), (68, 14494), (71, 14512), (72, 14518),

Gene: Scorpio_15 Start: 11610, Stop: 11984, Start Num: 13

Candidate Starts for Scorpio_15:

(Start: 13 @11610 has 49 MA's), (Start: 20 @11634 has 1 MA's), (22, 11640), (49, 11802), (56, 11865), (66, 11922), (67, 11925), (77, 11967), (78, 11970), (79, 11973),

Gene: Scout_17 Start: 11643, Stop: 12017, Start Num: 14

Candidate Starts for Scout_17:

(Start: 14 @11643 has 770 MA's), (31, 11745), (42, 11811), (48, 11832), (56, 11898), (71, 11979), (72, 11985), (78, 12003),

Gene: Scowl_18 Start: 13430, Stop: 13879, Start Num: 14

Candidate Starts for Scowl_18:

(Start: 14 @13430 has 770 MA's), (Start: 20 @13454 has 1 MA's), (81, 13841),

Gene: Seabiscuit_19 Start: 12965, Stop: 13414, Start Num: 14

Candidate Starts for Seabiscuit_19:

(Start: 14 @12965 has 770 MA's), (Start: 20 @12989 has 1 MA's), (71, 13301), (81, 13376),

Gene: Seahorse_11 Start: 7514, Stop: 7873, Start Num: 14

Candidate Starts for Seahorse_11:

(Start: 14 @7514 has 770 MA's), (21, 7541), (30, 7613), (45, 7673), (48, 7685), (59, 7784), (61, 7799), (73, 7859),

Gene: Seanderson_18 Start: 13400, Stop: 13849, Start Num: 14

Candidate Starts for Seanderson_18:

(Start: 14 @13400 has 770 MA's), (Start: 20 @13424 has 1 MA's), (71, 13736), (81, 13811),

Gene: SemperFi_20 Start: 13746, Stop: 14123, Start Num: 14

Candidate Starts for SemperFi_20:

(Start: 14 @13746 has 770 MA's), (22, 13776), (23, 13779), (25, 13809), (31, 13848), (51, 13950), (71, 14085), (72, 14091), (78, 14109),

Gene: SenorClean_16 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for SenorClean_16:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Serenity_17 Start: 12293, Stop: 12670, Start Num: 14

Candidate Starts for Serenity_17:

(Start: 14 @12293 has 770 MA's), (21, 12320), (23, 12326), (24, 12353), (25, 12356), (31, 12395), (51, 12497), (71, 12632), (77, 12653), (78, 12656), (79, 12659),

Gene: Severus_16 Start: 10547, Stop: 10921, Start Num: 14

Candidate Starts for Severus_16:

(Start: 14 @10547 has 770 MA's), (31, 10649), (42, 10715), (48, 10736), (50, 10742), (56, 10802), (63, 10838), (67, 10862), (79, 10910),

Gene: Shaka_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Shaka_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Sham4_18 Start: 13931, Stop: 14308, Start Num: 14

Candidate Starts for Sham4_18:

(Start: 14 @13931 has 770 MA's), (Start: 20 @13955 has 1 MA's), (25, 13994), (31, 14033), (33, 14039), (77, 14291), (78, 14294), (79, 14297),

Gene: Shapes_20 Start: 12519, Stop: 12893, Start Num: 14

Candidate Starts for Shapes_20:

(Start: 14 @12519 has 770 MA's), (26, 12588), (31, 12621), (48, 12708), (56, 12774), (71, 12855), (74, 12867), (79, 12882),

Gene: ShayRa_21 Start: 12612, Stop: 12989, Start Num: 14

Candidate Starts for ShayRa_21:

(Start: 14 @12612 has 770 MA's), (31, 12714), (49, 12804), (72, 12957), (78, 12975), (79, 12978),

Gene: SheaKeira_18 Start: 12349, Stop: 12726, Start Num: 14

Candidate Starts for SheaKeira_18:

(Start: 14 @12349 has 770 MA's), (31, 12451), (36, 12481), (62, 12637), (68, 12670), (71, 12688), (78, 12712), (79, 12715),

Gene: Sheen_19 Start: 14394, Stop: 14768, Start Num: 14

Candidate Starts for Sheen_19:

(Start: 14 @14394 has 770 MA's), (31, 14496), (42, 14562), (44, 14568), (48, 14583), (56, 14649), (63, 14685), (71, 14730), (72, 14736), (78, 14754),

Gene: SheldonCooper_18 Start: 13001, Stop: 13357, Start Num: 14

Candidate Starts for SheldonCooper_18:

(Start: 14 @13001 has 770 MA's), (31, 13103), (42, 13151), (48, 13172), (56, 13238), (63, 13274), (71, 13319), (79, 13346),

Gene: ShortQueendom_16 Start: 12839, Stop: 13288, Start Num: 14

Candidate Starts for ShortQueendom_16:

(Start: 14 @12839 has 770 MA's), (Start: 20 @12863 has 1 MA's), (71, 13175), (81, 13250),

Gene: Shukran_10 Start: 7247, Stop: 7603, Start Num: 14

Candidate Starts for Shukran_10:

(Start: 14 @7247 has 770 MA's), (17, 7259), (30, 7346), (42, 7397), (47, 7412), (48, 7418), (68, 7562), (73, 7589),

Gene: Shuman_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for Shuman_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (38, 9057), (42, 9084), (56, 9171), (70, 9249), (71, 9255), (75, 9276),

Gene: Shygu2_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for Shygu2_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (74, 13015), (79, 13030),

Gene: Sibs6_19 Start: 13476, Stop: 13925, Start Num: 14

Candidate Starts for Sibs6_19:

(Start: 14 @13476 has 770 MA's), (Start: 20 @13500 has 1 MA's), (71, 13812), (81, 13887),

Gene: SkiPole_19 Start: 13053, Stop: 13502, Start Num: 14

Candidate Starts for SkiPole_19:

(Start: 14 @13053 has 770 MA's), (Start: 20 @13077 has 1 MA's), (71, 13389), (81, 13464),

Gene: Skipitt_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for Skipitt_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: Sknot_19 Start: 13422, Stop: 13799, Start Num: 14

Candidate Starts for Sknot_19:

(Start: 14 @13422 has 770 MA's), (21, 13449), (23, 13455), (25, 13485), (31, 13524), (36, 13554), (51, 13626), (71, 13761), (77, 13782), (78, 13785), (79, 13788),

Gene: Slagathor_18 Start: 12828, Stop: 13277, Start Num: 14

Candidate Starts for Slagathor_18:

(Start: 14 @12828 has 770 MA's), (Start: 20 @12852 has 1 MA's), (71, 13164), (81, 13239),

Gene: Smairt_18 Start: 13659, Stop: 14108, Start Num: 14

Candidate Starts for Smairt_18:

(Start: 14 @13659 has 770 MA's), (Start: 20 @13683 has 1 MA's), (71, 13995), (81, 14070),

Gene: Smeadley_14 Start: 11395, Stop: 11769, Start Num: 13

Candidate Starts for Smeadley_14:

(Start: 13 @11395 has 49 MA's), (42, 11563), (49, 11587), (51, 11599), (56, 11650), (66, 11707), (67, 11710), (71, 11731), (77, 11752), (78, 11755),

Gene: Smeagan_20 Start: 13831, Stop: 14208, Start Num: 14

Candidate Starts for Smeagan_20:

(Start: 14 @13831 has 770 MA's), (22, 13861), (23, 13864), (25, 13894), (31, 13933), (62, 14119), (71, 14170), (78, 14194), (79, 14197),

Gene: Smeagol_19 Start: 14248, Stop: 14697, Start Num: 14

Candidate Starts for Smeagol_19:

(Start: 14 @14248 has 770 MA's), (Start: 20 @14272 has 1 MA's), (71, 14584), (81, 14659),

Gene: SmellyB_21 Start: 13484, Stop: 13861, Start Num: 14

Candidate Starts for SmellyB_21:

(Start: 14 @13484 has 770 MA's), (21, 13511), (23, 13517), (24, 13544), (25, 13547), (31, 13586), (71, 13823), (78, 13847), (79, 13850),

Gene: SnapTap_18 Start: 13318, Stop: 13695, Start Num: 14

Candidate Starts for SnapTap_18:

(Start: 14 @13318 has 770 MA's), (22, 13348), (23, 13351), (25, 13381), (31, 13420), (51, 13522), (71, 13657), (72, 13663), (78, 13681),

Gene: Snape_18 Start: 13931, Stop: 14308, Start Num: 14

Candidate Starts for Snape_18:

(Start: 14 @13931 has 770 MA's), (Start: 20 @13955 has 1 MA's), (25, 13994), (31, 14033), (33, 14039), (77, 14291), (78, 14294), (79, 14297),

Gene: Snazzy_15 Start: 12348, Stop: 12797, Start Num: 14

Candidate Starts for Snazzy_15:

(Start: 14 @12348 has 770 MA's), (Start: 20 @12372 has 1 MA's), (71, 12684), (81, 12759),

Gene: Snickers_19 Start: 12770, Stop: 13141, Start Num: 14

Candidate Starts for Snickers_19:

(Start: 14 @12770 has 770 MA's), (Start: 20 @12794 has 1 MA's), (28, 12854), (31, 12872), (56, 13022), (71, 13103), (72, 13109), (78, 13127), (79, 13130),

Gene: SoYo_19 Start: 12707, Stop: 13078, Start Num: 14

Candidate Starts for SoYo_19:

(Start: 14 @12707 has 770 MA's), (Start: 20 @12731 has 1 MA's), (28, 12791), (31, 12809), (56, 12959), (71, 13040), (72, 13046), (78, 13064), (79, 13067),

Gene: SoilDragon_19 Start: 12479, Stop: 12850, Start Num: 14

Candidate Starts for SoilDragon_19:

(Start: 14 @12479 has 770 MA's), (Start: 20 @12503 has 1 MA's), (28, 12563), (31, 12581), (56, 12731), (71, 12812), (72, 12818), (78, 12836), (79, 12839),

Gene: Solon_17 Start: 13511, Stop: 13960, Start Num: 14

Candidate Starts for Solon_17:

(Start: 14 @13511 has 770 MA's), (Start: 20 @13535 has 1 MA's), (71, 13847),

Gene: SororFago_17 Start: 12501, Stop: 12881, Start Num: 12

Candidate Starts for SororFago_17:

(Start: 12 @12501 has 5 MA's), (23, 12537), (24, 12564), (25, 12567), (31, 12606), (53, 12729), (78, 12867), (79, 12870),

Gene: Sorpresa_17 Start: 12879, Stop: 13328, Start Num: 14

Candidate Starts for Sorpresa_17:

(Start: 14 @12879 has 770 MA's), (Start: 20 @12903 has 1 MA's), (71, 13215), (81, 13290),

Gene: Soshari_21 Start: 12879, Stop: 13250, Start Num: 14

Candidate Starts for Soshari_21:

(Start: 14 @12879 has 770 MA's), (Start: 20 @12903 has 1 MA's), (28, 12963), (31, 12981), (56, 13131), (71, 13212), (72, 13218), (78, 13236), (79, 13239),

Gene: Soups_20 Start: 12612, Stop: 12989, Start Num: 14

Candidate Starts for Soups_20:

(Start: 14 @12612 has 770 MA's), (31, 12714), (49, 12804), (72, 12957), (78, 12975), (79, 12978),

Gene: Sparxx_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for Sparxx_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: SpicyFrank_10 Start: 7427, Stop: 7714, Start Num: 26

Candidate Starts for SpicyFrank_10:

(Start: 14 @7358 has 770 MA's), (26, 7427), (30, 7457), (32, 7463), (46, 7520), (48, 7529), (65, 7658), (73, 7700),

Gene: Spike509_19 Start: 12880, Stop: 13251, Start Num: 14

Candidate Starts for Spike509_19:

(Start: 14 @12880 has 770 MA's), (Start: 20 @12904 has 1 MA's), (28, 12964), (31, 12982), (56, 13132), (71, 13213), (72, 13219), (78, 13237), (79, 13240),

Gene: SpikeBT_19 Start: 13815, Stop: 14264, Start Num: 14

Candidate Starts for SpikeBT_19:

(Start: 14 @13815 has 770 MA's), (Start: 20 @13839 has 1 MA's), (71, 14151), (81, 14226),

Gene: Spino_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Spino_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Spouty_19 Start: 14170, Stop: 14547, Start Num: 14

Candidate Starts for Spouty_19:

(Start: 14 @14170 has 770 MA's), (31, 14272), (68, 14491), (71, 14509), (72, 14515),

Gene: Squee_18 Start: 13649, Stop: 14098, Start Num: 14

Candidate Starts for Squee_18:

(Start: 14 @13649 has 770 MA's), (Start: 20 @13673 has 1 MA's), (71, 13985), (81, 14060),

Gene: StCroix_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for StCroix_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (42, 9084), (51, 9120), (53, 9141), (56, 9171), (67, 9231), (70, 9249), (71, 9255), (75, 9276),

Gene: Stagni_19 Start: 12798, Stop: 13169, Start Num: 14

Candidate Starts for Stagni_19:

(Start: 14 @12798 has 770 MA's), (Start: 20 @12822 has 1 MA's), (28, 12882), (31, 12900), (56, 13050), (71, 13131), (72, 13137), (78, 13155), (79, 13158),

Gene: StarStuff_21 Start: 13272, Stop: 13646, Start Num: 14

Candidate Starts for StarStuff_21:

(Start: 14 @13272 has 770 MA's), (21, 13299), (23, 13305), (25, 13335), (31, 13374), (37, 13410), (49, 13461), (51, 13473), (67, 13584), (71, 13608), (78, 13632), (79, 13635),

Gene: Stasia_18 Start: 13124, Stop: 13480, Start Num: 14

Candidate Starts for Stasia_18:

(Start: 14 @13124 has 770 MA's), (31, 13226), (42, 13274), (48, 13295), (56, 13361), (63, 13397), (74, 13454), (79, 13469),

Gene: Steamy_19 Start: 13919, Stop: 14296, Start Num: 14

Candidate Starts for Steamy_19:

(Start: 14 @13919 has 770 MA's), (22, 13949), (24, 13979), (25, 13982), (31, 14021), (36, 14051), (48, 14108), (51, 14123), (68, 14240), (71, 14258), (72, 14264), (78, 14282), (79, 14285),

Gene: StepMih_19 Start: 12789, Stop: 13160, Start Num: 14

Candidate Starts for StepMih_19:

(Start: 14 @12789 has 770 MA's), (Start: 20 @12813 has 1 MA's), (28, 12873), (31, 12891), (56, 13041), (71, 13122), (72, 13128), (78, 13146), (79, 13149),

Gene: Stephig9_14 Start: 11376, Stop: 11750, Start Num: 13

Candidate Starts for Stephig9_14:

(Start: 13 @11376 has 49 MA's), (42, 11544), (49, 11568), (51, 11580), (56, 11631), (66, 11688), (67, 11691), (71, 11712), (77, 11733), (78, 11736),

Gene: StewieG_16 Start: 12723, Stop: 13172, Start Num: 14

Candidate Starts for StewieG_16:

(Start: 14 @12723 has 770 MA's), (Start: 20 @12747 has 1 MA's), (71, 13059), (81, 13134),

Gene: Stink_18 Start: 12973, Stop: 13329, Start Num: 14

Candidate Starts for Stink_18:

(Start: 14 @12973 has 770 MA's), (31, 13075), (42, 13123), (48, 13144), (56, 13210), (63, 13246), (74, 13303), (79, 13318),

Gene: StrongArm_16 Start: 13900, Stop: 14349, Start Num: 14

Candidate Starts for StrongArm_16:

(Start: 14 @13900 has 770 MA's), (Start: 20 @13924 has 1 MA's), (71, 14236), (81, 14311),

Gene: Strosahl_20 Start: 12451, Stop: 12828, Start Num: 14

Candidate Starts for Strosahl_20:

(Start: 14 @12451 has 770 MA's), (31, 12553), (49, 12643), (72, 12796), (78, 12814), (79, 12817),

Gene: Sumter_16 Start: 12470, Stop: 12919, Start Num: 14

Candidate Starts for Sumter_16:

(Start: 14 @12470 has 770 MA's), (Start: 20 @12494 has 1 MA's), (71, 12806), (81, 12881),

Gene: Sunhee_16 Start: 12538, Stop: 12915, Start Num: 14

Candidate Starts for Sunhee_16:

(Start: 14 @12538 has 770 MA's), (23, 12571), (24, 12598), (25, 12601), (31, 12640), (53, 12763), (78, 12901), (79, 12904),

Gene: Sunshine924_16 Start: 12454, Stop: 12903, Start Num: 14

Candidate Starts for Sunshine924_16:

(Start: 14 @12454 has 770 MA's), (Start: 20 @12478 has 1 MA's), (71, 12790), (81, 12865),

Gene: SuperAwesome_21 Start: 13475, Stop: 13852, Start Num: 14

Candidate Starts for SuperAwesome_21:

(Start: 14 @13475 has 770 MA's), (21, 13502), (23, 13508), (24, 13535), (25, 13538), (31, 13577), (71, 13814), (78, 13838), (79, 13841),

Gene: SuperCallie99_21 Start: 13474, Stop: 13851, Start Num: 14

Candidate Starts for SuperCallie99_21:

(Start: 14 @13474 has 770 MA's), (21, 13501), (24, 13534), (25, 13537), (31, 13576), (54, 13717), (71, 13813), (78, 13837), (79, 13840),

Gene: Superchunk_17 Start: 12019, Stop: 12396, Start Num: 14

Candidate Starts for Superchunk_17:

(Start: 14 @12019 has 770 MA's), (21, 12046), (23, 12052), (25, 12082), (31, 12121), (71, 12358), (78, 12382), (79, 12385),

Gene: Swann_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for Swann_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (42, 9084), (51, 9120), (53, 9141), (56, 9171), (67, 9231), (70, 9249), (71, 9255), (75, 9276),

Gene: SweetiePie_18 Start: 13318, Stop: 13695, Start Num: 14

Candidate Starts for SweetiePie_18:

(Start: 14 @13318 has 770 MA's), (22, 13348), (23, 13351), (25, 13381), (31, 13420), (51, 13522), (71, 13657), (72, 13663), (78, 13681),

Gene: SwirlSquare_20 Start: 12198, Stop: 12575, Start Num: 14

Candidate Starts for SwirlSquare_20:

(Start: 14 @12198 has 770 MA's), (21, 12225), (25, 12261), (31, 12300), (51, 12402), (67, 12513), (71, 12537), (78, 12561), (79, 12564),

Gene: Swirley_14 Start: 11770, Stop: 12144, Start Num: 13

Candidate Starts for Swirley_14:

(Start: 13 @11770 has 49 MA's), (Start: 20 @11794 has 1 MA's), (22, 11800), (42, 11938), (49, 11962), (56, 12025), (67, 12085), (71, 12106), (77, 12127), (78, 12130), (79, 12133),

Gene: SwissCheese_17 Start: 12915, Stop: 13364, Start Num: 14

Candidate Starts for SwissCheese_17:

(Start: 14 @12915 has 770 MA's), (Start: 20 @12939 has 1 MA's), (71, 13251), (81, 13326),

Gene: Switzer_18 Start: 13071, Stop: 13520, Start Num: 14

Candidate Starts for Switzer_18:

(Start: 14 @13071 has 770 MA's), (Start: 20 @13095 has 1 MA's), (71, 13407), (81, 13482),

Gene: Switzerland_20 Start: 12605, Stop: 12982, Start Num: 14

Candidate Starts for Switzerland_20:

(Start: 14 @12605 has 770 MA's), (31, 12707), (49, 12797), (72, 12950), (78, 12968), (79, 12971),

Gene: Swole_19 Start: 13381, Stop: 13830, Start Num: 14

Candidate Starts for Swole_19:

(Start: 14 @13381 has 770 MA's), (Start: 20 @13405 has 1 MA's), (71, 13717), (81, 13792),

Gene: SydNat_14 Start: 11877, Stop: 12251, Start Num: 13

Candidate Starts for SydNat_14:

(Start: 13 @11877 has 49 MA's), (Start: 20 @11901 has 1 MA's), (22, 11907), (49, 12069), (56, 12132), (61, 12162), (67, 12192), (71, 12213), (77, 12234), (78, 12237), (79, 12240),

Gene: TMaxx_10 Start: 6580, Stop: 7008, Start Num: 14

Candidate Starts for TMaxx_10:

(Start: 14 @6580 has 770 MA's), (43, 6757), (48, 6775), (79, 6961),

Gene: TNguyen7_17 Start: 12313, Stop: 12687, Start Num: 14

Candidate Starts for TNguyen7_17:

(Start: 14 @12313 has 770 MA's), (31, 12415), (42, 12481), (48, 12502), (56, 12568), (71, 12649), (72, 12655), (78, 12673),

Gene: TWAMP_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for TWAMP_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (42, 9084), (51, 9120), (53, 9141), (56, 9171), (67, 9231), (70, 9249), (71, 9255), (75, 9276),

Gene: Takoda_14 Start: 8876, Stop: 9256, Start Num: 14

Candidate Starts for Takoda_14:

(Start: 14 @8876 has 770 MA's), (Start: 20 @8900 has 1 MA's), (27, 8948), (38, 9017), (42, 9044), (56, 9131), (70, 9209), (71, 9215), (75, 9236),

Gene: Taquarus_17 Start: 12691, Stop: 13047, Start Num: 14

Candidate Starts for Taquarus_17:

(Start: 14 @12691 has 770 MA's), (31, 12793), (42, 12841), (48, 12862), (56, 12928), (63, 12964), (71, 13009), (79, 13036),

Gene: Target_18 Start: 13654, Stop: 14031, Start Num: 12

Candidate Starts for Target_18:

(Start: 8 @13609 has 1 MA's), (Start: 12 @13654 has 5 MA's), (Start: 20 @13681 has 1 MA's), (31, 13759), (42, 13825), (49, 13849), (56, 13912), (66, 13969), (73, 14002), (77, 14014), (78, 14017), (79, 14020),

Gene: TarsusIV_18 Start: 13418, Stop: 13795, Start Num: 14

Candidate Starts for TarsusIV_18:

(Start: 14 @13418 has 770 MA's), (21, 13445), (25, 13481), (31, 13520), (51, 13622), (62, 13706), (68, 13739), (71, 13757), (78, 13781), (79, 13784),

Gene: Tarynearal_13 Start: 11797, Stop: 12171, Start Num: 13

Candidate Starts for Tarynearal_13:

(Start: 13 @11797 has 49 MA's), (Start: 20 @11821 has 1 MA's), (22, 11827), (42, 11965), (49, 11989), (56, 12052), (67, 12112), (71, 12133), (77, 12154), (78, 12157), (79, 12160),

Gene: Tasp14_18 Start: 13160, Stop: 13609, Start Num: 14

Candidate Starts for Tasp14_18:

(Start: 14 @13160 has 770 MA's), (Start: 20 @13184 has 1 MA's), (71, 13496), (81, 13571),

Gene: Taurus_19 Start: 12794, Stop: 13165, Start Num: 14

Candidate Starts for Taurus_19:

(Start: 14 @12794 has 770 MA's), (Start: 20 @12818 has 1 MA's), (28, 12878), (31, 12896), (56, 13046), (71, 13127), (72, 13133), (78, 13151), (79, 13154),

Gene: Temprado_22 Start: 13480, Stop: 13857, Start Num: 14

Candidate Starts for Temprado_22:

(Start: 14 @13480 has 770 MA's), (21, 13507), (23, 13513), (24, 13540), (25, 13543), (31, 13582), (71, 13819), (78, 13843), (79, 13846),

Gene: Teodoridan_15 Start: 12287, Stop: 12736, Start Num: 14

Candidate Starts for Teodoridan_15:

(Start: 14 @12287 has 770 MA's), (Start: 20 @12311 has 1 MA's), (71, 12623), (81, 12698),

Gene: Texage_17 Start: 12884, Stop: 13258, Start Num: 14

Candidate Starts for Texage_17:

(Start: 14 @12884 has 770 MA's), (Start: 20 @12908 has 1 MA's), (31, 12986), (42, 13052), (48, 13073), (56, 13139), (71, 13220), (78, 13244),

Gene: Thanksgivukkah_17 Start: 12692, Stop: 13048, Start Num: 14

Candidate Starts for Thanksgivukkah_17:

(Start: 14 @12692 has 770 MA's), (31, 12794), (42, 12842), (48, 12863), (56, 12929), (63, 12965), (71, 13010), (79, 13037),

Gene: ThayneTheZag_10 Start: 7332, Stop: 7688, Start Num: 14

Candidate Starts for ThayneTheZag_10:

(Start: 14 @7332 has 770 MA's), (29, 7428), (30, 7431), (32, 7437), (46, 7494), (48, 7503), (65, 7632), (73, 7674),

Gene: Theia_13 Start: 11736, Stop: 12110, Start Num: 13

Candidate Starts for Theia_13:

(Start: 13 @11736 has 49 MA's), (Start: 20 @11760 has 1 MA's), (22, 11766), (42, 11904), (49, 11928), (56, 11991), (67, 12051), (71, 12072), (77, 12093), (78, 12096), (79, 12099),

Gene: TheloniousMonk_19 Start: 14195, Stop: 14644, Start Num: 14

Candidate Starts for TheloniousMonk_19:

(Start: 14 @14195 has 770 MA's), (Start: 20 @14219 has 1 MA's), (71, 14531), (81, 14606),

Gene: Thor_17 Start: 13033, Stop: 13482, Start Num: 14

Candidate Starts for Thor_17:

(Start: 14 @13033 has 770 MA's), (Start: 20 @13057 has 1 MA's), (71, 13369), (81, 13444),

Gene: Tiff81_11 Start: 7472, Stop: 7831, Start Num: 14

Candidate Starts for Tiff81_11:

(Start: 14 @7472 has 770 MA's), (17, 7484), (18, 7487), (21, 7499), (45, 7631), (48, 7643), (59, 7742), (61, 7757), (66, 7784), (73, 7817),

Gene: Tiffany_19 Start: 12690, Stop: 13061, Start Num: 14

Candidate Starts for Tiffany_19:

(Start: 14 @12690 has 770 MA's), (Start: 20 @12714 has 1 MA's), (28, 12774), (31, 12792), (56, 12942), (71, 13023), (72, 13029), (78, 13047), (79, 13050),

Gene: Tiger_14 Start: 11623, Stop: 11997, Start Num: 13

Candidate Starts for Tiger_14:

(Start: 13 @11623 has 49 MA's), (Start: 20 @11647 has 1 MA's), (22, 11653), (42, 11791), (49, 11815), (56, 11878), (67, 11938), (71, 11959), (77, 11980), (78, 11983), (79, 11986),

Gene: Timothy_18 Start: 13928, Stop: 14305, Start Num: 14

Candidate Starts for Timothy_18:

(Start: 14 @13928 has 770 MA's), (Start: 20 @13952 has 1 MA's), (25, 13991), (31, 14030), (33, 14036), (77, 14288), (78, 14291), (79, 14294),

Gene: Timshel_18 Start: 14276, Stop: 14650, Start Num: 14

Candidate Starts for Timshel_18:

(Start: 14 @14276 has 770 MA's), (31, 14378), (42, 14444), (43, 14447), (48, 14465), (49, 14468), (50, 14471), (56, 14531), (59, 14546), (71, 14612), (74, 14624), (78, 14636), (79, 14639),

Gene: TinaFeyge_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for TinaFeyge_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: TinyPebbles_19 Start: 12879, Stop: 13250, Start Num: 14

Candidate Starts for TinyPebbles_19:

(Start: 14 @12879 has 770 MA's), (Start: 20 @12903 has 1 MA's), (28, 12963), (31, 12981), (56, 13131), (71, 13212), (72, 13218), (78, 13236), (79, 13239),

Gene: TinyTimmy_18 Start: 13971, Stop: 14348, Start Num: 14

Candidate Starts for TinyTimmy_18:

(Start: 14 @13971 has 770 MA's), (Start: 20 @13995 has 1 MA's), (25, 14034), (31, 14073), (33, 14079), (77, 14331), (78, 14334), (79, 14337),

Gene: Tinybot_16 Start: 12666, Stop: 13022, Start Num: 14

Candidate Starts for Tinybot_16:

(Start: 14 @12666 has 770 MA's), (31, 12768), (42, 12816), (48, 12837), (56, 12903), (63, 12939), (71, 12984), (79, 13011),

Gene: TipsytheTRex_17 Start: 12428, Stop: 12805, Start Num: 14

Candidate Starts for TipsytheTRex_17:

(Start: 14 @12428 has 770 MA's), (21, 12455), (23, 12461), (24, 12488), (25, 12491), (31, 12530), (51, 12632), (71, 12767), (77, 12788), (78, 12791), (79, 12794),

Gene: TiroTheta9_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for TiroTheta9_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: Toaka_17 Start: 12502, Stop: 12879, Start Num: 14

Candidate Starts for Toaka_17:

(Start: 14 @12502 has 770 MA's), (21, 12529), (25, 12565), (31, 12604), (71, 12841), (79, 12868),

Gene: Todacoro_18 Start: 12884, Stop: 13258, Start Num: 14

Candidate Starts for Todacoro_18:

(Start: 14 @12884 has 770 MA's), (Start: 20 @12908 has 1 MA's), (31, 12986), (42, 13052), (48, 13073), (56, 13139), (71, 13220), (78, 13244),

Gene: Tomathan_21 Start: 13272, Stop: 13646, Start Num: 14

Candidate Starts for Tomathan_21:

(Start: 14 @13272 has 770 MA's), (21, 13299), (23, 13305), (25, 13335), (31, 13374), (37, 13410), (49, 13461), (51, 13473), (67, 13584), (71, 13608), (78, 13632), (79, 13635),

Gene: ToneTone_19 Start: 13392, Stop: 13769, Start Num: 14

Candidate Starts for ToneTone_19:

(Start: 14 @13392 has 770 MA's), (21, 13419), (23, 13425), (24, 13452), (25, 13455), (31, 13494), (71, 13731), (78, 13755), (79, 13758),

Gene: Topanga_17 Start: 12585, Stop: 12959, Start Num: 14

Candidate Starts for Topanga_17:

(Start: 14 @12585 has 770 MA's), (31, 12687), (42, 12753), (48, 12774), (56, 12840), (63, 12876), (71, 12921), (79, 12948),

Gene: Topgun_17 Start: 12635, Stop: 13084, Start Num: 14

Candidate Starts for Topgun_17:

(Start: 14 @12635 has 770 MA's), (71, 12971), (81, 13046),

Gene: Toro_20 Start: 14336, Stop: 14710, Start Num: 14

Candidate Starts for Toro_20:

(Start: 14 @14336 has 770 MA's), (31, 14438), (42, 14504), (44, 14510), (48, 14525), (56, 14591), (63, 14627), (71, 14672), (72, 14678), (78, 14696),

Gene: Tote_19 Start: 13381, Stop: 13830, Start Num: 14

Candidate Starts for Tote_19:

(Start: 14 @13381 has 770 MA's), (Start: 20 @13405 has 1 MA's), (71, 13717), (81, 13792),

Gene: Traft412_19 Start: 13862, Stop: 14311, Start Num: 14

Candidate Starts for Traft412_19:

(Start: 14 @13862 has 770 MA's), (Start: 20 @13886 has 1 MA's), (71, 14198), (81, 14273),

Gene: Travvers_21 Start: 13272, Stop: 13646, Start Num: 14

Candidate Starts for Travvers_21:

(Start: 14 @13272 has 770 MA's), (21, 13299), (23, 13305), (25, 13335), (31, 13374), (37, 13410), (49, 13461), (51, 13473), (67, 13584), (71, 13608), (78, 13632), (79, 13635),

Gene: Treddle_19 Start: 14175, Stop: 14624, Start Num: 14

Candidate Starts for Treddle_19:

(Start: 14 @14175 has 770 MA's), (Start: 20 @14199 has 1 MA's), (71, 14511), (81, 14586),

Gene: Trike_15 Start: 10555, Stop: 10929, Start Num: 14

Candidate Starts for Trike_15:

(Start: 14 @10555 has 770 MA's), (31, 10657), (42, 10723), (48, 10744), (50, 10750), (56, 10810), (63, 10846), (67, 10870), (71, 10891), (79, 10918),

Gene: Tripl3t_18 Start: 13860, Stop: 14309, Start Num: 14

Candidate Starts for Tripl3t_18:

(Start: 14 @13860 has 770 MA's), (Start: 20 @13884 has 1 MA's), (71, 14196), (81, 14271),

Gene: Trixie_21 Start: 15031, Stop: 15408, Start Num: 14

Candidate Starts for Trixie_21:

(Start: 14 @15031 has 770 MA's), (21, 15058), (22, 15061), (23, 15064), (25, 15094), (31, 15133), (37, 15169), (51, 15235), (62, 15319), (71, 15370), (72, 15376), (78, 15394),

Gene: Trooper_18 Start: 13209, Stop: 13586, Start Num: 14

Candidate Starts for Trooper_18:

(Start: 14 @13209 has 770 MA's), (21, 13236), (23, 13242), (25, 13272), (31, 13311), (36, 13341), (42, 13377), (51, 13413), (62, 13497), (71, 13548), (78, 13572), (79, 13575),

Gene: Trouble_17 Start: 13221, Stop: 13670, Start Num: 14

Candidate Starts for Trouble_17:

(Start: 14 @13221 has 770 MA's), (Start: 20 @13245 has 1 MA's), (71, 13557), (81, 13632),

Gene: TroyPia_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for TroyPia_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Tubs_19 Start: 14140, Stop: 14517, Start Num: 14

Candidate Starts for Tubs_19:

(Start: 14 @14140 has 770 MA's), (31, 14242), (68, 14461), (71, 14479), (72, 14485),

Gene: Tucker_21 Start: 13478, Stop: 13855, Start Num: 14

Candidate Starts for Tucker_21:

(Start: 14 @13478 has 770 MA's), (21, 13505), (24, 13538), (25, 13541), (31, 13580), (54, 13721), (71, 13817), (78, 13841), (79, 13844),

Gene: Turbido_20 Start: 13858, Stop: 14235, Start Num: 14

Candidate Starts for Turbido_20:

(Start: 14 @13858 has 770 MA's), (22, 13888), (23, 13891), (25, 13921), (31, 13960), (62, 14146), (71, 14197), (78, 14221), (79, 14224),

Gene: Turj99_16 Start: 12659, Stop: 13108, Start Num: 14

Candidate Starts for Turj99_16:

(Start: 14 @12659 has 770 MA's), (81, 13070),

Gene: Twigg_14 Start: 11769, Stop: 12143, Start Num: 13

Candidate Starts for Twigg_14:

(Start: 13 @11769 has 49 MA's), (Start: 20 @11793 has 1 MA's), (22, 11799), (42, 11937), (49, 11961), (56, 12024), (67, 12084), (71, 12105), (77, 12126), (78, 12129), (79, 12132),

Gene: Twister_17 Start: 12484, Stop: 12858, Start Num: 14

Candidate Starts for Twister_17:

(Start: 14 @12484 has 770 MA's), (31, 12586), (42, 12652), (48, 12673), (56, 12739), (63, 12775), (71, 12820), (72, 12826), (79, 12847),

Gene: TwoPeat_18 Start: 13174, Stop: 13623, Start Num: 14

Candidate Starts for TwoPeat_18:

(Start: 14 @13174 has 770 MA's), (Start: 20 @13198 has 1 MA's), (71, 13510), (81, 13585),

Gene: TygerBlood_17 Start: 12687, Stop: 13043, Start Num: 14

Candidate Starts for TygerBlood_17:

(Start: 14 @12687 has 770 MA's), (31, 12789), (42, 12837), (48, 12858), (56, 12924), (63, 12960), (71, 13005), (79, 13032),

Gene: U2_17 Start: 13077, Stop: 13526, Start Num: 14

Candidate Starts for U2_17:

(Start: 14 @13077 has 770 MA's), (Start: 20 @13101 has 1 MA's), (71, 13413), (81, 13488),

Gene: Ugenie5_16 Start: 14173, Stop: 14550, Start Num: 14

Candidate Starts for Ugenie5_16:

(Start: 14 @14173 has 770 MA's), (31, 14275), (68, 14494), (71, 14512), (72, 14518),

Gene: UhSalsa_14 Start: 8916, Stop: 9296, Start Num: 14

Candidate Starts for UhSalsa_14:

(Start: 14 @8916 has 770 MA's), (Start: 20 @8940 has 1 MA's), (27, 8988), (42, 9084), (51, 9120), (53, 9141), (56, 9171), (67, 9231), (70, 9249), (71, 9255), (75, 9276),

Gene: Ulysses_16 Start: 12409, Stop: 12765, Start Num: 14

Candidate Starts for Ulysses_16:

(Start: 14 @12409 has 770 MA's), (31, 12511), (42, 12559), (48, 12580), (56, 12646), (63, 12682), (71, 12727), (79, 12754),

Gene: UnionJack_14 Start: 11349, Stop: 11723, Start Num: 13

Candidate Starts for UnionJack_14:

(Start: 13 @11349 has 49 MA's), (Start: 20 @11373 has 1 MA's), (22, 11379), (49, 11541), (56, 11604), (66, 11661), (67, 11664), (71, 11685), (77, 11706), (78, 11709), (79, 11712),

Gene: Updawg_20 Start: 13864, Stop: 14241, Start Num: 14

Candidate Starts for Updawg_20:

(Start: 14 @13864 has 770 MA's), (21, 13891), (23, 13897), (25, 13927), (31, 13966), (36, 13996), (51, 14068), (71, 14203), (77, 14224), (78, 14227), (79, 14230),

Gene: VA6_18 Start: 13376, Stop: 13753, Start Num: 14

Candidate Starts for VA6_18:

(Start: 14 @13376 has 770 MA's), (22, 13406), (23, 13409), (25, 13439), (31, 13478), (71, 13715), (78, 13739), (79, 13742),

Gene: VC3_21 Start: 13381, Stop: 13758, Start Num: 14

Candidate Starts for VC3_21:

(Start: 14 @13381 has 770 MA's), (21, 13408), (23, 13414), (25, 13444), (31, 13483), (40, 13540), (51, 13585), (54, 13624), (61, 13666), (71, 13720), (77, 13741), (78, 13744), (79, 13747),

Gene: VWB_8 Start: 7039, Stop: 7449, Start Num: 19

Candidate Starts for VWB_8:

(19, 7039), (35, 7153), (48, 7219), (49, 7222), (51, 7234),

Gene: Vanisoa_17 Start: 12228, Stop: 12605, Start Num: 14

Candidate Starts for Vanisoa_17:

(Start: 14 @12228 has 770 MA's), (24, 12288), (31, 12330), (68, 12549), (71, 12567), (72, 12573), (78, 12591), (79, 12594),

Gene: Veracruz_17 Start: 12884, Stop: 13258, Start Num: 14

Candidate Starts for Veracruz_17:

(Start: 14 @12884 has 770 MA's), (Start: 20 @12908 has 1 MA's), (31, 12986), (42, 13052), (48, 13073), (56, 13139), (71, 13220), (78, 13244),

Gene: Violet_16 Start: 13466, Stop: 13915, Start Num: 14

Candidate Starts for Violet_16:

(Start: 14 @13466 has 770 MA's), (71, 13802), (81, 13877),

Gene: Vix_19 Start: 12878, Stop: 13249, Start Num: 14

Candidate Starts for Vix_19:

(Start: 14 @12878 has 770 MA's), (Start: 20 @12902 has 1 MA's), (28, 12962), (31, 12980), (56, 13130), (71, 13211), (72, 13217), (78, 13235), (79, 13238),

Gene: VohminGhazi_21 Start: 13484, Stop: 13861, Start Num: 14

Candidate Starts for VohminGhazi_21:

(Start: 14 @13484 has 770 MA's), (21, 13511), (23, 13517), (24, 13544), (25, 13547), (31, 13586), (71, 13823), (78, 13847), (79, 13850),

Gene: Vopal_11 Start: 7436, Stop: 7723, Start Num: 26

Candidate Starts for Vopal_11:

(Start: 14 @7367 has 770 MA's), (26, 7436), (30, 7466), (32, 7472), (46, 7529), (48, 7538), (65, 7667), (73, 7709),

Gene: Waits_20 Start: 12457, Stop: 12834, Start Num: 14

Candidate Starts for Waits_20:

(Start: 14 @12457 has 770 MA's), (31, 12559), (49, 12649), (72, 12802), (78, 12820), (79, 12823),

Gene: WalterMcMickey_17 Start: 12484, Stop: 12858, Start Num: 14

Candidate Starts for WalterMcMickey_17:

(Start: 14 @12484 has 770 MA's), (31, 12586), (42, 12652), (48, 12673), (56, 12739), (63, 12775), (71, 12820), (72, 12826), (79, 12847),

Gene: Wander_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Wander_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Warrior24_21 Start: 12461, Stop: 12838, Start Num: 14

Candidate Starts for Warrior24_21:

(Start: 14 @12461 has 770 MA's), (31, 12563), (49, 12653), (72, 12806), (78, 12824), (79, 12827),

Gene: Watermelon_19 Start: 13772, Stop: 14221, Start Num: 14

Candidate Starts for Watermelon_19:

(Start: 14 @13772 has 770 MA's), (Start: 20 @13796 has 1 MA's), (71, 14108), (81, 14183),

Gene: Watson_19 Start: 12788, Stop: 13159, Start Num: 14

Candidate Starts for Watson_19:

(Start: 14 @12788 has 770 MA's), (Start: 20 @12812 has 1 MA's), (28, 12872), (31, 12890), (56, 13040), (71, 13121), (72, 13127), (78, 13145), (79, 13148),

Gene: WeiHuaDA_24 Start: 15633, Stop: 16010, Start Num: 14

Candidate Starts for WeiHuaDA_24:

(Start: 14 @15633 has 770 MA's), (21, 15660), (22, 15663), (25, 15696), (31, 15735), (51, 15837), (71, 15972), (77, 15993), (78, 15996), (79, 15999),

Gene: Whabigail7_20 Start: 13846, Stop: 14223, Start Num: 14

Candidate Starts for Whabigail7_20:

(Start: 14 @13846 has 770 MA's), (22, 13876), (23, 13879), (25, 13909), (31, 13948), (62, 14134), (71, 14185), (78, 14209), (79, 14212),

Gene: Wheeler_17 Start: 13227, Stop: 13676, Start Num: 14

Candidate Starts for Wheeler_17:

(Start: 14 @13227 has 770 MA's), (Start: 20 @13251 has 1 MA's), (71, 13563), (81, 13638),

Gene: WideWale_20 Start: 13864, Stop: 14241, Start Num: 14

Candidate Starts for WideWale_20:

(Start: 14 @13864 has 770 MA's), (21, 13891), (23, 13897), (25, 13927), (31, 13966), (36, 13996), (51, 14068), (71, 14203), (77, 14224), (78, 14227), (79, 14230),

Gene: Wiks_21 Start: 13460, Stop: 13837, Start Num: 14

Candidate Starts for Wiks_21:

(Start: 14 @13460 has 770 MA's), (21, 13487), (23, 13493), (24, 13520), (25, 13523), (31, 13562), (71, 13799), (78, 13823), (79, 13826),

Gene: Wilbur_17 Start: 12688, Stop: 13044, Start Num: 14

Candidate Starts for Wilbur_17:

(Start: 14 @12688 has 770 MA's), (31, 12790), (42, 12838), (48, 12859), (56, 12925), (63, 12961), (71, 13006), (79, 13033),

Gene: Wile_17 Start: 12700, Stop: 13056, Start Num: 14

Candidate Starts for Wile_17:

(Start: 14 @12700 has 770 MA's), (31, 12802), (42, 12850), (48, 12871), (56, 12937), (61, 12967), (63, 12973), (71, 13018), (79, 13045),

Gene: Wilkins_17 Start: 12635, Stop: 13084, Start Num: 14

Candidate Starts for Wilkins_17:

(Start: 14 @12635 has 770 MA's), (71, 12971), (81, 13046),

Gene: Windest_11 Start: 7352, Stop: 7708, Start Num: 14

Candidate Starts for Windest_11:

(Start: 14 @7352 has 770 MA's), (30, 7451), (32, 7457), (48, 7523), (65, 7652), (68, 7667), (73, 7694),

Gene: Wizard007_17 Start: 12690, Stop: 13046, Start Num: 14

Candidate Starts for Wizard007_17:

(Start: 14 @12690 has 770 MA's), (31, 12792), (42, 12840), (48, 12861), (56, 12927), (63, 12963), (71, 13008), (79, 13035),

Gene: Wooldri_21 Start: 12707, Stop: 13078, Start Num: 14

Candidate Starts for Wooldri_21:

(Start: 14 @12707 has 770 MA's), (Start: 20 @12731 has 1 MA's), (28, 12791), (31, 12809), (56, 12959), (71, 13040), (72, 13046), (78, 13064), (79, 13067),

Gene: WunderPhul_21 Start: 13460, Stop: 13837, Start Num: 14

Candidate Starts for WunderPhul_21:

(Start: 14 @13460 has 770 MA's), (21, 13487), (23, 13493), (24, 13520), (25, 13523), (31, 13562), (71, 13799), (78, 13823), (79, 13826),

Gene: Xena_17 Start: 12687, Stop: 13043, Start Num: 14

Candidate Starts for Xena_17:

(Start: 14 @12687 has 770 MA's), (31, 12789), (42, 12837), (48, 12858), (56, 12924), (61, 12954), (63, 12960), (71, 13005), (79, 13032),

Gene: XianYue_18 Start: 13337, Stop: 13714, Start Num: 14

Candidate Starts for XianYue_18:

(3, 13130), (Start: 14 @13337 has 770 MA's), (22, 13367), (23, 13370), (25, 13400), (31, 13439), (38, 13478), (71, 13676), (72, 13682), (78, 13700), (79, 13703),

Gene: Yecey3_18 Start: 12264, Stop: 12641, Start Num: 14

Candidate Starts for Yecey3_18:

(Start: 14 @12264 has 770 MA's), (21, 12291), (25, 12327), (31, 12366), (71, 12603), (78, 12627), (79, 12630),

Gene: YoSam321_17 Start: 12685, Stop: 13041, Start Num: 14

Candidate Starts for YoSam321_17:

(Start: 14 @12685 has 770 MA's), (31, 12787), (42, 12835), (48, 12856), (56, 12922), (63, 12958), (71, 13003), (79, 13030),

Gene: Yogi_14 Start: 8884, Stop: 9264, Start Num: 14

Candidate Starts for Yogi_14:

(Start: 14 @8884 has 770 MA's), (Start: 20 @8908 has 1 MA's), (27, 8956), (38, 9025), (51, 9088), (56, 9139), (70, 9217), (71, 9223), (75, 9244),

Gene: Yokurt_21 Start: 13460, Stop: 13837, Start Num: 14

Candidate Starts for Yokurt_21:

(Start: 14 @13460 has 770 MA's), (21, 13487), (23, 13493), (24, 13520), (25, 13523), (31, 13562), (71, 13799), (78, 13823), (79, 13826),

Gene: Yoncess_14 Start: 8884, Stop: 9264, Start Num: 14

Candidate Starts for Yoncess_14:

(Start: 14 @8884 has 770 MA's), (Start: 20 @8908 has 1 MA's), (27, 8956), (38, 9025), (42, 9052), (56, 9139), (70, 9217), (71, 9223), (75, 9244),

Gene: YoungHarleezy_10 Start: 7377, Stop: 7664, Start Num: 26

Candidate Starts for YoungHarleezy_10:

(Start: 14 @7308 has 770 MA's), (26, 7377), (30, 7407), (32, 7413), (46, 7470), (48, 7479), (65, 7608), (73, 7650),

Gene: Zaka_21 Start: 13460, Stop: 13837, Start Num: 14

Candidate Starts for Zaka_21:

(Start: 14 @13460 has 770 MA's), (21, 13487), (23, 13493), (24, 13520), (25, 13523), (31, 13562), (71, 13799), (78, 13823), (79, 13826),

Gene: Zeeculate_16 Start: 12913, Stop: 13362, Start Num: 14

Candidate Starts for Zeeculate_16:

(Start: 14 @12913 has 770 MA's), (Start: 20 @12937 has 1 MA's), (71, 13249), (81, 13324),

Gene: Zephyr_17 Start: 13005, Stop: 13454, Start Num: 14

Candidate Starts for Zephyr_17:

(Start: 14 @13005 has 770 MA's), (Start: 20 @13029 has 1 MA's), (71, 13341), (81, 13416),

Gene: Zetzy_18 Start: 12328, Stop: 12699, Start Num: 14

Candidate Starts for Zetzy_18:

(Start: 14 @12328 has 770 MA's), (Start: 20 @12352 has 1 MA's), (28, 12412), (31, 12430), (56, 12580), (71, 12661), (78, 12685), (79, 12688),

Gene: Zeuska_18 Start: 13447, Stop: 13896, Start Num: 14

Candidate Starts for Zeuska_18:

(Start: 14 @13447 has 770 MA's), (Start: 20 @13471 has 1 MA's), (71, 13783), (81, 13858),

Gene: Zimmer_20 Start: 14945, Stop: 15322, Start Num: 14

Candidate Starts for Zimmer_20:

(Start: 14 @14945 has 770 MA's), (21, 14972), (22, 14975), (25, 15008), (31, 15047), (36, 15077), (48, 15134), (51, 15149), (53, 15170), (71, 15284), (78, 15308), (79, 15311),

Gene: Zolita_13 Start: 11878, Stop: 12252, Start Num: 13

Candidate Starts for Zolita_13:

(Start: 13 @11878 has 49 MA's), (Start: 20 @11902 has 1 MA's), (22, 11908), (49, 12070), (56, 12133), (61, 12163), (67, 12193), (71, 12214), (77, 12235), (78, 12238), (79, 12241),

Gene: Zulu_21 Start: 13459, Stop: 13836, Start Num: 14

Candidate Starts for Zulu_21:

(Start: 14 @13459 has 770 MA's), (21, 13486), (23, 13492), (24, 13519), (25, 13522), (31, 13561), (71, 13798), (78, 13822), (79, 13825),