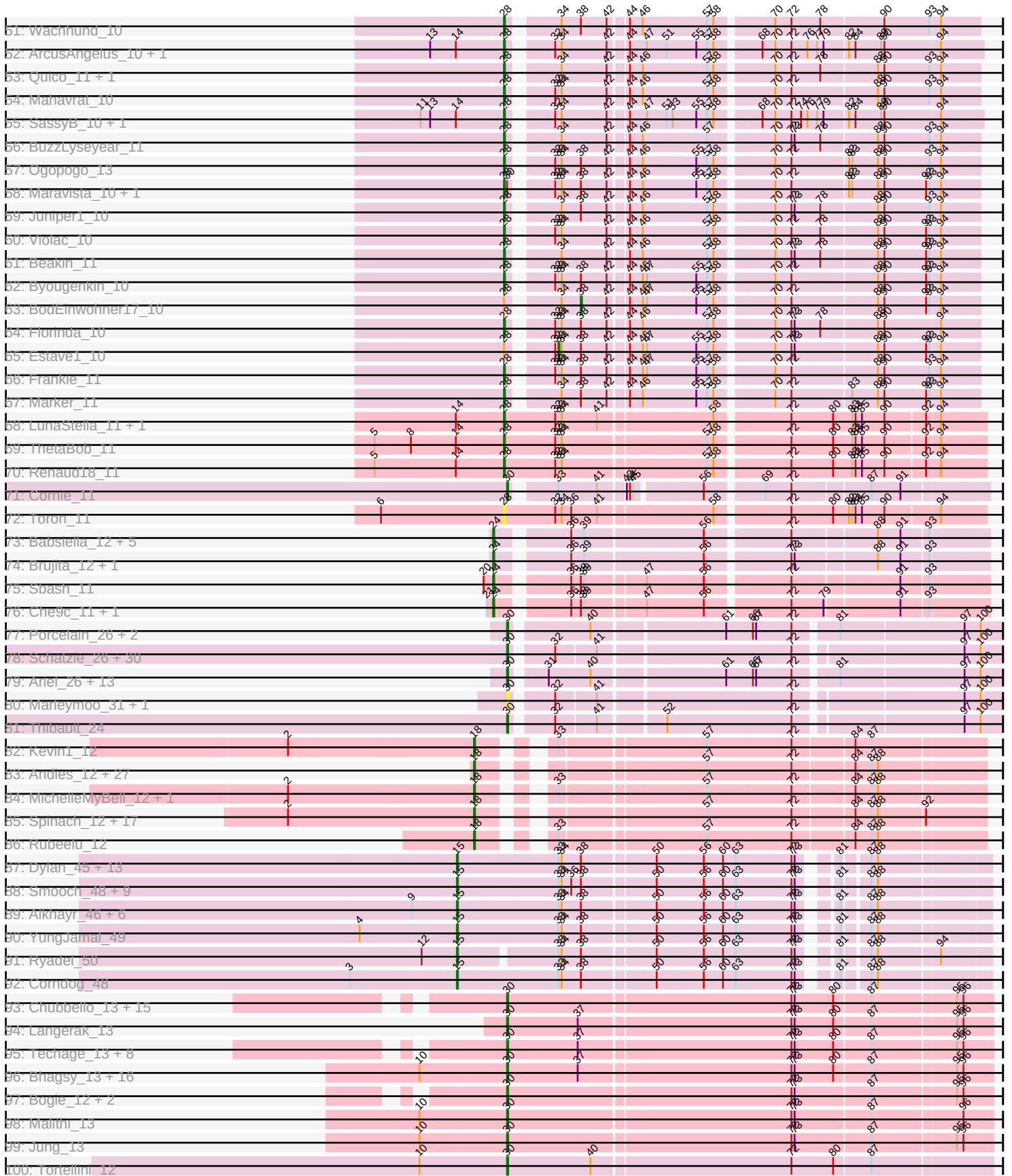


Pham 311037

1. Adnama_19 + 142			17	23					59	62		72		88		99	100
2. Budgie_20			17	19	23				59	62		72		88		99	100
3. MadamMonklsh_17			17	23					59			72		88		99	100
4. SmiLan_10 + 17									59	62		72		88		99	100
5. Vivum_10 + 13									59	62		72		88		99	100
6. JanArm20_11 + 7			11	14					59	62		72		88		99	100
7. Aubs_10 + 1			11	14					59	62		72		88		99	100
8. Rockne_10 + 17									59	62		72		88		99	100
9. Saboo_10									59	62		72		88		99	100
10. RitaG_10 + 29									59	62		72		88		99	100
11. Flathead_11 + 3			1						59	62		72		88		99	100
12. SG4_10 + 3			1	13	14				59	62		72		88		99	100
13. MisterCuddies_10 + 7									59	62		72		88		99	100
14. Madiba_11 + 1									59	62		72		88		99	100
15. Cerasum_11 + 5									59	62		72		88		99	100
16. UncleRicky_11 + 4									59	62		72		88		99	100
17. MilanaBonita_11 + 31			11	14					59	62		72		88		99	100
18. Footsteron_11 + 2			1						59	62		72		88		99	100
19. Aider_11 + 5			1						59	62		72		88		99	100
20. Doug_10									59	62		72		88		99	100
21. Nichrin_10									59	62		72		88		99	100
22. Gandaipn_10			1	13	14				59	62		72		88		99	100
23. Phnaphnaga_10 + 4			1	13	14				59	62		72		88		99	100
24. Mattes_10 + 1									59	62		72		88		99	100
25. Karido_10 + 2									59	62		72		88		99	100
26. Strokeseat_10 + 2									59	62		72		88		99	100
27. Dante_10									59	62		72		88		99	100
28. Kersh_10			1	13	14				59	62		72		88		99	100
29. Mozy_11			1	13	14				59	62		72		88		99	100
30. SuperGrey_10 + 5									59	62		72		88		99	100
31. Coco12_11									59	62		72		88		99	100
32. Pippy_10 + 1									59	62		72		88		99	100
33. Bobi_11 + 3									59	62		72		88		99	100
34. Job42_11			1						59	62		72		88		99	100
35. Ramsey_11			1						59	62		72		88		99	100
36. Alexphander_11			11	14	23				59	62		72		88		99	100
37. XFactor_10			11	14					59	62		72		88		99	100
38. Mwanjiwa_10									59	62		72		88		99	100
39. Che8_10									59	62		72		88		99	100
40. DaWorst_11 + 4									59	62		72		88		99	100
41. Leozinho_11 + 1									59	62		72		88		99	100
42. IDanisky_10 + 3			11	14					59	62		72		88		99	100
43. Spartacus_10 + 2			11	14					59	62		72		88		99	100
44. Polo2Bam_11 + 6									59	62		72		88		99	100
45. Simran21_11									59	62		72		88		99	100
46. Donkeykong_10 + 1			11						59	62		72		88		99	100
47. Eish_10 + 1									59	62		72		88		99	100
48. ShowerHandel_10			11						59	62		72		88		99	100
49. Mutaforma13_10									59	62		72		88		99	100
50. Buddies123_10									59	62		72		88		99	100

Pham 311037



Pham 311037



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 311037 Report

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

Pham number 311037 has 605 members, 62 are drafts.

Phages represented in each track:

- Track 1 : Adnama_19, Palpatine_17, Pat3_17, IHOP_17, Elite2014_16, Hopey_18, ShereKhan_19, Easy2Say_18, Qualification_19, Filch_18, Balomoji_17, Dusk_17, Becksu_17, Mindy_18, Hoonter_19, FireRed_17, Icee_17, MPhalcon_17, FairyPath_18, BaboJay_17, Czystczon1_18, NelitzaMV_18, Eureka_18, Livelaughbron_17, Bask21_17, Goldilocks_19, NonchalantPear_17, Greep_18, Contagion_17, StolenFromERC_19, Murphy_17, Brewer_17, Barbarian_17, Lilac_19, Flypotenuse_16, Ptowny_17, Phaux_16, Amao_18, Traaww1_16, DoctorDiddles_18, BigBubba_17, Bruin_17, Willez_17, Terminus_17, AmericanBeauty_19, Bench_19, Gator_16, Command613_19, CrystalP_18, Cjw1_17, Misfit_17, Marshmallow_18, ShamWow_18, Goku_18, ChosenOne_16, Cookies_18, Teaspoon_17, Miniwave_18, Buck_17, Pumpkin_18, Highbury_18, Henry_18, Sassay_17, ABCat_17, Wiggin_19, Xandras_19, Elph10_18, Paperbeatsrock_19, Murica_16, Policronamos_17, OrionPax_18, Inca_17, StormChicken_18, PaddyBaddy_18, Gemini_19, Daikon_16, Mosby_17, Porky_16, Gage_19, HuffyPuff_16, Nala_17, BugsBunny_15, Petra64142_18, Lilpickle_16, Toto_18, Lilizi_19, StellaBean_18, Pharsalus_18, Tomaszewski_17, Stark_18, TBrady12_19, Moldemort_18, Rimmer_17, Kostya_18, TeardropMSU_17, Emmina_17, ChotaBhai_17, Harella_16, Bogg_18, MollyToe_18, Argent26_19, Glexan_16, FoghornLeghorn_17, GoldenSpark_19, Kanye_19, Thresher_18, HanKaySha_18, MISSy_17, Stank_19, RiverMonster_17, Rakim_19, Tarkin_19, 244_18, Manda_18, Myrale_18, Ukulele_17, DrDrey_18, YassJohnny_18, SophKB_18, Simpliphy_18, Cactus_19, Thimble_18, Phaja_17, Maxxinista_18, GooberAzure_19, Nimrod_17, Sotrice96_18, Youngblood_17, Phrux_17, BilboSwaggins_18, xkcd_18, NoSleep_18, SirDuracell_17, Asriel_17, PhatBacter_17, Tuco_18, Dumbo_17, Holt_19, TeamEdward_18, JeTaime_19, BadStone_17, Saints25_18, Kimchi_19
- Track 2 : Budgie_20
- Track 3 : MadamMonkfish_17
- Track 4 : ShiLan_10, Nitze1_11, Nivrat_10, Crumble_10, Burwell21_10, OlympiaSaint_10, SwagPigglett_10, Philus_10, MulchSalad_10, RockyHorror_11, JarcoB_10, Yorick_10, Martik_10, Zizzle_10, Cheesepuff_10, Fastidio_10, Lizziana_10, Mantra_10
- Track 5 : Vivum_10, NormanBulbieJr_10, Clifton_10, ByChance_10, Minnie_10, Priscilla_10, Gorge_10, Cabrinians_10, Sandalphon_10, Eradicator_10, Brocalys_10, Saal_10, Jennelsea_10, Koella_10
- Track 6 : JalFarm20_11, OfUltron_10, Jinglebell_10, Llama_10, Modragons_10, Seabastian_10, AlpineSix_10, Ochi17_10
- Track 7 : Aubs_10, IMpilo_10

- Track 8 : Rockne_10, Totinger_11, Zerg_10, VRedHorse_10, Llij_10, Moonbeam_10, PMC_10, Rialto_11, Lucia_11, Emmaloid_11, Tchotchke_11, Slim_11, Awesomesauce_11, GigiOuiOui_10, EmiMonkey_10, Phatniss_10, PhilipPhlop_10, Piper2020_11
- Track 9 : Sabbb_10
- Track 10 : RitaG_10, BlueCrab_10, Polka14_10, Dorothy_10, LittleShirley_11, OwlsT2W_11, RedBird_10, Nimbo_10, Daenerys_10, Mova_11, IbOuu_10, Boomer_11, Blexus_10, Pacc40_10, Starceвич_11, Geralt_10, JoeyJr_10, DosHalletts_11, Inventum_10, Empress_10, Poenanya_10, Pollywog_11, Leperchaun_10, OldBen_10, Deb65_10, DaddyRickover_10, Doomphist_10, Scottish_10, Sassafras_10, PHappiness_10
- Track 11 : Flathead_11, Doomslug_12, Brushbloom_11, Hegedechwinu_11
- Track 12 : SG4_10, Chuckly_10, EleanorGeorge_10, Topiatin_12
- Track 13 : MisterCuddles_10, Okabe_12, Hades_10, Whouxphf_10, Girr_10, Spoonbill_10, Phasih_10, Ruby_10
- Track 14 : Madiba_11, Grimmer_11
- Track 15 : Cerasum_11, Velveteen_11, BigPhil_11, Brookers_11, Sarma624_11, Kingsley_11
- Track 16 : UncleRicky_11, DirtMcgirt_11, Lorde_11, Enby_11, Drago_11
- Track 17 : MilanaBonita_11, StAnnes_10, Firehouse51_10, PatoPoderoso_10, NewHope4_10, MinionDave_11, Taj_10, PhesterPhotato_10, ShroomBoi_10, DLane_10, LunaBlu_10, Royals2015_10, Phalconet_10, KristaRAM_11, Jant_10, Ovechkin_10, Hamulus_10, DeadP_10, MilleniumForce_11, SiSi_10, Batiatus_10, Whatsapiecost_10, QuickMath_10, Emma_10, KingJulian_10, Tweety_10, Galactic_10, Corium_10, Ardmore_10, SeaLumen_10, Wee_10, Akhila_11
- Track 18 : Tootsieroll_11, Radiance_10, Stap_11
- Track 19 : Aloeri_11, TootsiePop_11, ChickenDinner_11, DocMcStuffins_11, Misha28_11, Squirty_11
- Track 20 : Doug_10
- Track 21 : Nichirin_10
- Track 22 : Gandalph_10
- Track 23 : Phanphagia_10, Shauna1_10, DotProduct_10, Guppsters_10, Cornucopia_11
- Track 24 : Mattes_10, BobaPhett_10
- Track 25 : Karhdo_10, GUmbie_10, Veteran_10
- Track 26 : Strokeseat_10, Hlubikazi_10, Mandlovu_10
- Track 27 : Dante_10
- Track 28 : Kersh_10
- Track 29 : Mozy_11
- Track 30 : SuperGrey_10, DoRead_10, Clank_10, Bipolar_10, Rita_10, Kenuha5_10
- Track 31 : Coco12_11
- Track 32 : Pippy_10, FreddyB_10
- Track 33 : Bobi_11, Fancypants_10, Seagreen_11, Latretium_10
- Track 34 : Job42_11
- Track 35 : Ramsey_11
- Track 36 : Alexphander_11
- Track 37 : XFactor_10
- Track 38 : Mwanjiwa_10
- Track 39 : Che8_10
- Track 40 : DaWorst_11, Plumbus_11, Kimberlium_11, Juice456_11, MulchExplorer_11
- Track 41 : Leozinho_11, Spikelee_11
- Track 42 : TDanisky_10, DRBy19_10, MadMen_10, Sparkdehlily_10

- Track 43 : Spartacus_10, WillSterrel_10, IrishSherpFalk_10
- Track 44 : Polo2Bam_11, Krakatau_11, Enzomatic_11, DillTech15_10, Medindi_10, Fruitloop_10, CaptainTrips_11
- Track 45 : SimranZ1_11
- Track 46 : Donkeykong_10, LordVader_12
- Track 47 : Eish_10, Harley_10
- Track 48 : ShowerHandel_10
- Track 49 : Mutaforma13_10
- Track 50 : Bubbles123_10
- Track 51 : Wachhund_10
- Track 52 : ArcusAngelus_10, Chevrolet_10
- Track 53 : Quico_11, Girafales_11
- Track 54 : Mahavrat_10
- Track 55 : SassyB_10, PopTart_10
- Track 56 : BuzzLyseyear_11
- Track 57 : Ogopogo_13
- Track 58 : Maravista_10, LilMoolah_10
- Track 59 : Juniper1_10
- Track 60 : Violac_10
- Track 61 : Beakin_11
- Track 62 : Byougenkin_10
- Track 63 : BodEinwohner17_10
- Track 64 : Florinda_10
- Track 65 : Estave1_10
- Track 66 : Frankie_11
- Track 67 : Marker_11
- Track 68 : LunaStella_11, TChen_11
- Track 69 : ThetaBob_11
- Track 70 : Renaud18_11
- Track 71 : Cornie_11
- Track 72 : Toron_11
- Track 73 : Babsiella_12, PaintedDog_11, QueenHazel_12, Bluvara_12, Xula_11, HC_12
- Track 74 : Brujita_12, Island3_12
- Track 75 : Sbash_11
- Track 76 : Che9c_11, Stuck_11
- Track 77 : Porcelain_26, MiaZeal_26, Rearden_23
- Track 78 : Schatzie_26, Hughesyang_27, Klein_28, ThreeRngTarjay_27, Ejimix_29, Phoebus_28, Beem_28, Dove_26, Minerva_28, NihilNomen_27, EricMillard_28, Constella_23, Zelink_29, Bagrid_26, Kalah2_29, JuicyJay_30, Yeet_26, Pound_28, Odette_27, Optimus_26, Wanda_29, Redno2_27, Xiaokay_25, DmpstrDiver_27, Bombitas_25, BAKA_25, HokkenD_23, Dallas_28, Bobby_29, Duke13_25, Halley_28
- Track 79 : Ariel_26, Omega_28, Hannaconda_23, KashFlow_20, Courthouse_26, Shaboozey_20, LittleE_26, Squint_25, Nekros_26, Nibley_21, Superphikiman_26, BronnyJames_20, Lucky2013_26, Gonephishing_24
- Track 80 : Marleymoo_31, Hidrated_30
- Track 81 : Thibault_24
- Track 82 : Kevin1_12
- Track 83 : Andies_12, Bosection6_12, Fulbright_12, Journey_12, Scitech_12, Gex_12, Schnauzer_12, Carcharodon_12, Silvy_12, Charlie_12, EGUnicorn_12, Magsby_12, Melville_12, Parmesanjohn_12, Smurph_12, Silvafighter_12, Duplicity_12, Xerxes_12, Tortoise12_12, Pipsqueaks_12, Philonius_12, Cubone_11, Xeno_12, Phloss_12, Tessdabest_11, Tapioca_12, Aggie_12, Chewbacca_12

- Track 84 : MichelleMyBell_12, Butters_12
- Track 85 : Spinach_12, Rebel_12, Redi_12, Panchino_12, PhancyPhin_12, Shweta_12, ShrimpFriedEgg_12, Snekmaggedon_12, Phrann_12, Raymond7_12, Nenae_12, Jamie19_12, Purgamenstris_12, Hanako_12, SkinnyPete_12, Impisi_12, BabeRuth_12, SpongeBob_12
- Track 86 : Rubeelu_12
- Track 87 : Dylan_45, Zakhe101_46, Ashwin_47, Familton_47, Winget_47, Blessica_47, SchoolBus_46, Bora_43, Zebo_46, Wildflower_46, Wogge42_45, JangDynasty_46, Imara_44, TelAviv_43
- Track 88 : Smooch_48, Firecracker_46, MadKillah_47, Murai_46, Schuy_47, Krili_45, NiebruSaylor_45, Mori_45, Shida_46, Vorrps_45
- Track 89 : Alkhayr_46, FoulBall_46, KingPhillip3_46, YoyoKar_44, Vagabond_46, Catdawg_46, Idergollasper_46
- Track 90 : YungJamal_49
- Track 91 : Ryadel_50
- Track 92 : Corndog_48
- Track 93 : Chubbello_13, Fishburne_13, Etoile_13, Zilizebeth_13, Necropolis_13, Bartholomew_13, Dynamo_13, Venti_13, FirstPlacePfu_13, GreaseLightnin_13, Phineas_13, StevieRay_13, Kari_13, HUHilltop_13, BronnyJr_13, Vidya_13
- Track 94 : Langerak_13
- Track 95 : Techage_13, Arib1_13, Jebeks_13, Sonah_13, Donovan_13, GaloreK_13, Phegasus_13, Mangethe_13, Majeke_13
- Track 96 : Bhagsy_13, PeanutPie_13, CactusJack_13, Atcoo_13, Gavriela_13, Brusacoram_13, KilKor_13, Phalm_13, Bunnies_13, Willsammy_13, Thespis_13, Glaske_13, Juniormint_13, Ksquared_13, StressBall_13, Megidido_13, Polkaroo_13
- Track 97 : Bogie_12, Shipwreck_12, Pygmy_12
- Track 98 : Malithi_13
- Track 99 : Jung_13
- Track 100 : Tortellini_12
- Track 101 : Xavia_13, Camster_13
- Track 102 : BigNuz_12, Nazo_12
- Track 103 : Phayonce_12
- Track 104 : ThulaThula_12
- Track 105 : Purky_12
- Track 106 : REQ2_11
- Track 107 : Whack_11
- Track 108 : MooMoo_10

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

The start number called the most often in the published annotations is 28, it was called in 224 of the 543 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akhila_11, Alexphander_11, Aloeri_11, AlpineSix_10, ArcusAngelus_10, Ardmore_10, Aubs_10, Awesomesauce_11, Batiatius_10, Beakin_11, BigPhil_11, Bipolar_10, Blexus_10, BlueCrab_10, BobaPhett_10, Bobi_11, Boomer_11, Brocalys_10, Brookers_11, Brushbloom_11, Bubbles123_10, Burwell21_10, BuzzLyseyear_11, ByChance_10, Byougenkin_10, Cabrinians_10, Cerasum_11, Che8_10, Cheesepuff_10, Chevrolet_10, ChickenDinner_11, Chuckly_10, Clank_10,

Clifton_10, Coco12_11, Corium_10, Cornucopia_11, Crumble_10, DLane_10, DRBy19_10, DaWorst_11, DaddyRickover_10, Daenerys_10, Dante_10, DeadP_10, Deb65_10, DirtMcGirt_11, DoRead_10, DocMcStuffs_11, Donkeykong_10, Doomphist_10, Doomslug_12, Dorothy_10, DosHalletts_11, DotProduct_10, Doug_10, Drago_11, Eish_10, EleanorGeorge_10, EmiMonkey_10, Emma_10, Emmaloid_11, Empress_10, Enby_11, Eradicator_10, Fancypants_10, Fastidio_10, Firehouse51_10, Flathead_11, Florinda_10, Frankie_11, Gumbie_10, Galactic_10, Gandolph_10, Geralt_10, GigiOuiOui_10, Girafales_11, Girr_10, Gorge_10, Grimmer_11, Guppsters_10, Hades_10, Hamulus_10, Harley_10, Hegedechwinu_11, Hlubikazi_10, IMpilo_10, IbOuu_10, Inventum_10, IrishSherpFalk_10, JalFarm20_11, Jant_10, Jarcob_10, Jennelsea_10, Jinglebell_10, Job42_11, JoeyJr_10, Juice456_11, Juniper1_10, Karhdo_10, Kenuha5_10, Kersh_10, Kimberlium_11, KingJulian_10, Kingsley_11, Koella_10, KristaRAM_11, Latretium_10, Leozinho_11, Leperchaun_10, LilMoolah_10, LittleShirley_11, Lizziana_10, Llama_10, Llij_10, LordVader_12, Lorde_11, Lucia_11, LunaBlu_10, LunaStella_11, MadMen_10, Madiba_11, Mahavrat_10, Mandlovu_10, Mantra_10, Maravista_10, Marker_11, Martik_10, Mattes_10, MilanaBonita_11, MilleniumForce_11, MinionDave_11, Minnie_10, Misha28_11, MisterCuddles_10, Modragons_10, Moonbeam_10, Mova_11, Mozy_11, MulchExplorer_11, MulchSalad_10, Mutaforma13_10, Mwanjiwa_10, NewHope4_10, Nimbo_10, Nitzel_11, Nivrat_10, NormanBulbieJr_10, Ochi17_10, OfUltron_10, Ogopogo_13, Okabe_12, OldBen_10, OlympiaSaint_10, Ovechkin_10, OwlsT2W_11, PHappiness_10, PMC_10, Pacc40_10, PatoPoderoso_10, Phalconet_10, Phanphagia_10, Phasih_10, Phatniss_10, PhesterPhotato_10, Philus_10, PhilipPhlop_10, Piper2020_11, Plumbus_11, Poenanya_10, Polka14_10, Pollywog_11, PopTart_10, Priscilla_10, QuickMath_10, Quico_11, Radiance_10, Ramsey_11, RedBird_10, Renaud18_11, Rialto_11, RitaG_10, Rita_10, Rockne_10, RockyHorror_11, Royals2015_10, Ruby_10, SG4_10, Saal_10, Sabbb_10, Sandalphon_10, Sarma624_11, Sassafras_10, SassyB_10, Scottish_10, SeaLumen_10, Seabastian_10, Seagreen_11, Shauna1_10, ShiLan_10, ShowerHandel_10, ShroomBoi_10, SiSi_10, SimranZ1_11, Slim_11, Sparkdehlily_10, Spartacus_10, Spikelee_11, Spoonbill_10, Squirty_11, StAnnes_10, Stap_11, Starcevich_11, Strokeseat_10, SuperGrey_10, SwagPiggett_10, TChen_11, TDanisky_10, Taj_10, Tchotchke_11, ThetaBob_11, TootsiePop_11, Tootsieroll_11, Topiatin_12, Toron_11, Totinger_11, Tweety_10, UncleRicky_11, VRedHorse_10, Velveteen_11, Veteran_10, Violac_10, Vivum_10, Wachhund_10, Wee_10, Whatsapiecost_10, Whouxphf_10, WillSterrel_10, XFactor_10, Yorick_10, Zerg_10, Zizzle_10,

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

- BodEinwohner17_10, CaptainTrips_11, DillTech15_10, Enzomatic_11, Estave1_10, FreddyB_10, Fruitloop_10, Krakatau_11, Medindi_10, Nichirin_10, Pippy_10, Polo2Bam_11,

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

- 244_18, ABCat_17, Adnama_19, Aggie_12, Alkhayr_46, Amao_18, AmericanBeauty_19, Andies_12, Argent26_19, Arib1_13, Ariel_26, Ashwin_47, Asriel_17, Atcoo_13, BAKA_25, BabeRuth_12, BaboJay_17, Babsiella_12, BadStone_17, Bagrid_26, Balomoji_17, Barbarian_17, Bartholomew_13, Bask21_17, Becksu_17, Beem_28, Bench_19, Bhagsy_13, BigBubba_17, BigNuz_12, BilboSwaggins_18, Blessica_47, Bluvava_12, Bobby_29, Bogg_18, Bogie_12, Bombitas_25, Bora_43, Bosection6_12, Brewer_17, BronnyJames_20, BronnyJr_13, Bruin_17, Brujita_12, Brusacoram_13, Buck_17, Budgie_20, BugsBunny_15, Bunnies_13, Butters_12, CactusJack_13, Cactus_19, Camster_13, Carcharodon_12,

Catdawg_46, Charlie_12, Che9c_11, Chewbacca_12, ChosenOne_16, ChotaBhai_17, Chubbello_13, Cjw1_17, Command613_19, Constella_23, Contagion_17, Cookies_18, Corndog_48, Cornie_11, Courthouse_26, CrystalP_18, Cubone_11, Czystczon1_18, Daikon_16, Dallas_28, DmpstrDiver_27, DoctorDiddles_18, Donovan_13, Dove_26, DrDrey_18, Duke13_25, Dumbo_17, Duplicity_12, Dusk_17, Dylan_45, Dynamo_13, EGUnicorn_12, Easy2Say_18, Ejimix_29, Elite2014_16, Elph10_18, Emmina_17, EricMillard_28, Etoile_13, Eureka_18, FairyPath_18, Familton_47, Filch_18, FireRed_17, Firecracker_46, FirstPlacePfu_13, Fishburne_13, Flypotenuse_16, FoghornLeghorn_17, FoulBall_46, Fulbright_12, Gage_19, GaloreK_13, Gator_16, Gavriela_13, Gemini_19, Gex_12, Glaske_13, Glexan_16, Goku_18, GoldenSpark_19, Goldilocks_19, Gonephishing_24, GooberAzure_19, GreaseLightnin_13, Greep_18, HC_12, HUHilltop_13, Halley_28, HanKaySha_18, Hanako_12, Hannaconda_23, Harella_16, Henry_18, Hidrated_30, Highbury_18, HokkenD_23, Holt_19, Hoonter_19, Hopey_18, HufflyPuff_16, Hughesyang_27, IHOP_17, Icee_17, Idergollasper_46, Imara_44, Impisi_12, Inca_17, Island3_12, Jamie19_12, JangDynasty_46, JeTaime_19, Jebeks_13, Journey_12, JuicyJay_30, Jung_13, Juniormint_13, Kalah2_29, Kanye_19, Kari_13, KashFlow_20, Kevin1_12, KilKor_13, Kimchi_19, KingPhillip3_46, Klein_28, Kostya_18, Krili_45, Ksquared_13, Langerak_13, Lilac_19, Lilizi_19, Lipickle_16, LittleE_26, Liveloughbron_17, Lucky2013_26, MISSy_17, MPhalcon_17, MadKillah_47, MadamMonkfish_17, Magsby_12, Majeke_13, Malithi_13, Manda_18, Mangethe_13, Marleymoo_31, Marshmallow_18, Maxxinista_18, Megiddo_13, Melville_12, MiaZeal_26, MichelleMyBell_12, Mindy_18, Minerva_28, Miniwave_18, Misfit_17, Moldemort_18, MollyToe_18, MooMoo_10, Mori_45, Mosby_17, Murai_46, Murica_16, Murphy_17, Myrale_18, Nala_17, Nazo_12, Necropolis_13, Nekros_26, NelitzaMV_18, Nenae_12, Nibley_21, NiebruSaylor_45, NihilNomen_27, Nimrod_17, NoSleep_18, NonchalantPear_17, Odette_27, Omega_28, Optimus_26, OrionPax_18, PaddyBaddy_18, PaintedDog_11, Palpatine_17, Panchino_12, Paperbeatsrock_19, Parmesanjohn_12, Pat3_17, PeanutPie_13, Petra64142_18, Phaja_17, Phalm_13, PhancyPhin_12, Pharsalus_18, PhatBacter_17, Phaux_16, Phayonce_12, Phegasus_13, Philonius_12, Phineas_13, Phloss_12, Phoebus_28, Phrann_12, Phrux_17, Pipsqueaks_12, Policronamos_17, Polkaroo_13, Porcelain_26, Porky_16, Pound_28, Ptowny_17, Pumpkin_18, Purgamenstris_12, Purky_12, Pygmy_12, Qualification_19, QueenHazel_12, REQ2_11, Rakim_19, Raymond7_12, Rearden_23, Rebel_12, Redi_12, Redno2_27, Rimmer_17, RiverMonster_17, Rubeelu_12, Ryadel_50, Saints25_18, Sassay_17, Sbash_11, Schatzie_26, Schnauzer_12, SchoolBus_46, Schuy_47, Scitech_12, Shaboozey_20, ShamWow_18, ShereKhan_19, Shida_46, Shipwreck_12, ShrimpFriedEgg_12, Shweta_12, Silvafighter_12, Silvy_12, Simpliphy_18, SirDuracell_17, SkinnyPete_12, Smooch_48, Smurph_12, Snekmaggon_12, Sonah_13, SophKB_18, Sotrice96_18, Spinach_12, SpongeBob_12, Squint_25, Stank_19, Stark_18, StellaBean_18, StevieRay_13, StolenFromERC_19, StormChicken_18, StressBall_13, Stuck_11, Superphikiman_26, TBrady12_19, Tapioca_12, Tarkin_19, TeamEdward_18, TeardropMSU_17, Teaspoon_17, Techage_13, TelAviv_43, Terminus_17, Tessdabest_11, Thespis_13, Thibault_24, Thimble_18, ThreeRngTarjay_27, Thresher_18, ThulaThula_12, Tomaszewski_17, Tortellini_12, Tortoise12_12, Toto_18, Traaww1_16, Tuco_18, Ukulele_17, Vagabond_46, Venti_13, Vidya_13, Vorrrps_45, Wanda_29, Whack_11, Wiggin_19, Wildflower_46, Willez_17, Willsammy_13, Winget_47, Wogge42_45, Xandras_19, Xavia_13, Xeno_12, Xerxes_12, Xiaokay_25, Xula_11, YassJohnny_18, Yeet_26, Youngblood_17, YoyoKar_44, YungJamal_49, Zakhe101_46, Zebo_46, Zelink_29, Zilizebeth_13, xkcd_18,

Summary by start number:

Start 15:

- Found in 34 of 605 (5.6%) of genes in pham
- Manual Annotations of this start: 31 of 543
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alkhayr_46 (O), Ashwin_47 (O), Blessica_47 (O), Bora_43 (O), Catdawg_46 (O), Corndog_48 (O), Dylan_45 (O), Familton_47 (O), Firecracker_46 (O), FoulBall_46 (O), Idergollasper_46 (O), Imara_44 (O), JangDynasty_46 (O), KingPhillip3_46 (O), Krili_45 (O), MadKillah_47 (O), Mori_45 (O), Murai_46 (O), NiebruSaylor_45 (O), Ryadel_50 (O), SchoolBus_46 (O), Schuy_47 (O), Shida_46 (O), Smooch_48 (O), TelAviv_43 (O), Vagabond_46 (O), Vorrrps_45 (O), Wildflower_46 (O), Winget_47 (O), Wogge42_45 (O), YoyoKar_44 (O), YungJamal_49 (O), Zakhe101_46 (O), Zebo_46 (O),

Start 18:

- Found in 50 of 605 (8.3%) of genes in pham
- Manual Annotations of this start: 46 of 543
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aggie_12 (N), Andies_12 (N), BabeRuth_12 (N), Bosection6_12 (N), Butters_12 (N), Carcharodon_12 (N), Charlie_12 (N), Chewbacca_12 (N), Cubone_11 (N), Duplicity_12 (N), EGUnicorn_12 (N), Fulbright_12 (N), Gex_12 (N), Hanako_12 (N), Impisi_12 (N), Jamie19_12 (N), Journey_12 (N), Kevin1_12 (N), Magsby_12 (N), Melville_12 (N), MichelleMyBell_12 (N), Nenae_12 (N), Panchino_12 (N), Parmesanjohn_12 (N), PhancyPhin_12 (N), Philonius_12 (N), Phloss_12 (N), Phrann_12 (N), Pipsqueaks_12 (N), Purgamenstris_12 (N), Raymond7_12 (N), Rebel_12 (N), Redi_12 (N), Rubeelu_12 (N), Schnauzer_12 (N), Scitech_12 (N), ShrimpFriedEgg_12 (N), Shweta_12 (N), Silvafighter_12 (N), Silvy_12 (N), SkinnyPete_12 (N), Smurph_12 (N), Snekmaggedon_12 (N), Spinach_12 (N), SpongeBob_12 (N), Tapioca_12 (N), Tessdabest_11 (N), Tortoise12_12 (N), Xeno_12 (N), Xerxes_12 (N),

Start 24:

- Found in 14 of 605 (2.3%) of genes in pham
- Manual Annotations of this start: 11 of 543
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Babsiella_12 (I1), Bluvara_12 (I3), Brujita_12 (I1), Che9c_11 (I2), HC_12 (I1), Island3_12 (I1), MooMoo_10 (singleton), PaintedDog_11 (I1), QueenHazel_12 (I1), REQ2_11 (singleton), Sbash_11 (I2), Stuck_11 (I2), Whack_11 (singleton), Xula_11 (I1),

Start 27:

- Found in 145 of 605 (24.0%) of genes in pham
- Manual Annotations of this start: 132 of 543
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 244_18 (E), ABCat_17 (E), Adnama_19 (E), Amao_18 (E), AmericanBeauty_19 (E), Argent26_19 (E), Asriel_17 (E), BaboJay_17 (E), BadStone_17 (E), Balomoji_17 (E), Barbarian_17 (E), Bask21_17 (E), Becksu_17 (E), Bench_19 (E), BigBubba_17 (E), BilboSwaggins_18 (E), Bogg_18 (E), Brewer_17 (E), Bruin_17 (E), Buck_17 (E), Budgie_20 (E), BugsBunny_15 (E), Cactus_19 (E), ChosenOne_16 (E), ChotaBhai_17 (E), Cjw1_17 (E), Command613_19 (E), Contagion_17 (E), Cookies_18 (E), CrystalP_18 (E),

Czyszczon1_18 (E), Daikon_16 (E), DoctorDiddles_18 (E), DrDrey_18 (E), Dumbo_17 (E), Dusk_17 (E), Easy2Say_18 (E), Elite2014_16 (E), Elph10_18 (E), Emmina_17 (E), Eureka_18 (E), FairyPath_18 (E), Filch_18 (E), FireRed_17 (E), Flypotenuse_16 (E), FoghornLeghorn_17 (E), Gage_19 (E), Gator_16 (E), Gemini_19 (E), Glexan_16 (E), Goku_18 (E), GoldenSpark_19 (E), Goldilocks_19 (E), GooberAzure_19 (E), Greep_18 (E), HanKaySha_18 (E), Harella_16 (E), Henry_18 (E), Highbury_18 (E), Holt_19 (E), Hoonter_19 (E), Hopey_18 (E), HufflyPuff_16 (E), IHOP_17 (E), Icee_17 (E), Inca_17 (E), JeTaime_19 (E), Kanye_19 (E), Kimchi_19 (E), Kostya_18 (E), Lilac_19 (E), Lilizi_19 (E), Lilpickle_16 (E), Liveloughbron_17 (E), MISSy_17 (E), MPhalcon_17 (E), MadamMonkfish_17 (E), Manda_18 (E), Marshmallow_18 (E), Maxxinista_18 (E), Mindy_18 (E), Miniwave_18 (E), Misfit_17 (E), Moldemort_18 (E), MollyToe_18 (E), Mosby_17 (E), Murica_16 (E), Murphy_17 (E), Myrale_18 (E), Nala_17 (E), NelitzaMV_18 (E), Nimrod_17 (E), NoSleep_18 (E), NonchalantPear_17 (E), OrionPax_18 (E), PaddyBaddy_18 (E), Palpatine_17 (E), Paperbeatsrock_19 (E), Pat3_17 (E), Petra64142_18 (E), Phaja_17 (E), Pharsalus_18 (E), PhatBacter_17 (E), Phaux_16 (E), Phrux_17 (E), Policronamos_17 (E), Porky_16 (E), Ptowny_17 (E), Pumpkin_18 (E), Quallification_19 (E), Rakim_19 (E), Rimmer_17 (E), RiverMonster_17 (E), Saints25_18 (E), Sassay_17 (E), ShamWow_18 (E), ShereKhan_19 (E), Simpliphy_18 (E), SirDuracell_17 (E), SophKB_18 (E), Sotrice96_18 (E), Stank_19 (E), Stark_18 (E), StellaBean_18 (E), StolenFromERC_19 (E), StormChicken_18 (E), TBrady12_19 (E), Tarkin_19 (E), TeamEdward_18 (E), TeardropMSU_17 (E), Teaspoon_17 (E), Terminus_17 (E), Thimble_18 (E), Thresher_18 (E), Tomaszewski_17 (E), Toto_18 (E), Traaww1_16 (E), Tucō_18 (E), Ukulele_17 (E), Wiggins_19 (E), Willez_17 (E), Xandras_19 (E), YassJohnny_18 (E), Youngblood_17 (E), xkcd_18 (E),

Start 28:

- Found in 254 of 605 (42.0%) of genes in pham
- Manual Annotations of this start: 224 of 543
- Called 95.3% of time when present
- Phage (with cluster) where this start called: Akhila_11 (F1), Alexphander_11 (F1), Aloeri_11 (F1), AlpineSix_10 (F1), ArcusAngelus_10 (F1), Ardmore_10 (F1), Aubs_10 (F1), Awesomesauce_11 (F1), Batiatus_10 (F1), Beakin_11 (F1), BigPhil_11 (F1), Bipolar_10 (F1), Blexus_10 (F1), BlueCrab_10 (F1), BobaPhett_10 (F1), Bobi_11 (F1), Boomer_11 (F1), Brocalys_10 (F1), Brookers_11 (F1), Brushbloom_11 (F1), Bubbles123_10 (F1), Burwell21_10 (F1), BuzzLyseyear_11 (F1), ByChance_10 (F1), Byougenkin_10 (F1), Cabrinians_10 (F1), Cerasum_11 (F1), Che8_10 (F1), CheesePuff_10 (F1), Chevrolet_10 (F1), ChickenDinner_11 (F1), Chuckly_10 (F1), Clank_10 (F1), Clifton_10 (F1), Coco12_11 (F1), Corium_10 (F1), Cornucopia_11 (F1), Crumble_10 (F1), DLane_10 (F1), DRBy19_10 (F1), DaWorst_11 (F1), DaddyRickover_10 (F1), Daenerys_10 (F1), Dante_10 (F1), DeadP_10 (F1), Deb65_10 (F1), DirtMcGirt_11 (F1), DoRead_10 (F1), DocMcStuffins_11 (F1), Donkeykong_10 (F1), Doomphist_10 (F1), Doomslug_12 (F), Dorothy_10 (F1), DosHalletts_11 (F1), DotProduct_10 (F1), Doug_10 (F1), Drago_11 (F1), Eish_10 (F1), EleanorGeorge_10 (F1), EmiMonkey_10 (F1), Emma_10 (F1), Emmaloid_11 (F1), Empress_10 (F1), Enby_11 (F1), Eradicator_10 (F1), Fancypants_10 (F1), Fastidio_10 (F1), Firehouse51_10 (F1), Flathead_11 (F1), Florinda_10 (F1), Frankie_11 (F1), GUmbie_10 (F1), Galactic_10 (F1), Gandolph_10 (F1), Geralt_10 (F1), GigiOuiOui_10 (F1), Girafales_11 (F1), Girr_10 (F1), Gorge_10 (F1), Grimmer_11 (F1), Guppsters_10 (F1), Hades_10 (F1), Hamulus_10 (F1), Harley_10 (F1), Hegedechwinu_11 (F1), Hlubikazi_10 (F1), IMpilo_10 (F1), IbOuu_10 (F1), Inventum_10 (F1), IrishSherpFalk_10 (F1), JalFarm20_11 (F1), Jant_10 (F1), Jacob_10 (F1), Jennelsea_10 (F1), Jinglebell_10 (F1), Job42_11 (F1), JoeyJr_10

(F1), Juice456_11 (F1), Juniper1_10 (F1), Karhdo_10 (F1), Kenuha5_10 (F1), Kersh_10 (F1), Kimberlium_11 (F1), KingJulian_10 (F1), Kingsley_11 (F1), Koella_10 (F1), KristaRAM_11 (F1), Latretium_10 (F1), Leozinho_11 (F1), Leperchaun_10 (F1), LilMoolah_10 (F1), LittleShirley_11 (F1), Lizziana_10 (F1), Llama_10 (F1), Llij_10 (F1), LordVader_12 (F), Lorde_11 (F1), Lucia_11 (F1), LunaBlu_10 (F1), LunaStella_11 (F4), MadMen_10 (F1), Madiba_11 (F1), Mahavrat_10 (F1), Mandlovu_10 (F1), Mantra_10 (F1), Maravista_10 (F1), Marker_11 (F1), Martik_10 (F1), Mattes_10 (F1), MilanaBonita_11 (F1), MilleniumForce_11 (F1), MinionDave_11 (F1), Minnie_10 (F1), Misha28_11 (F1), MisterCuddles_10 (F1), Modragons_10 (F1), Moonbeam_10 (F1), Mova_11 (F1), Mozy_11 (F1), MulchExplorer_11 (F1), MulchSalad_10 (F7), Mutaforma13_10 (F1), Mwanjiwa_10 (F1), NewHope4_10 (F1), Nimbo_10 (F1), Nitzel_11 (F1), Nivrat_10 (F1), NormanBulbieJr_10 (F1), Ochi17_10 (F1), OfUltron_10 (F1), Ogopogo_13 (F1), Okabe_12 (F8), OldBen_10 (F1), OlympiaSaint_10 (F1), Ovechkin_10 (F1), OwlsT2W_11 (F1), PHappiness_10 (F1), PMC_10 (F1), Pacc40_10 (F1), PatoPoderoso_10 (F1), Phalconet_10 (F1), Phanphagia_10 (F1), Phasih_10 (F1), Phatniss_10 (F1), PhesterPhotato_10 (F1), Philus_10 (F1), PhilipPhlop_10 (F1), Piper2020_11 (F1), Plumbus_11 (F1), Poenanya_10 (F1), Polka14_10 (F1), Pollywog_11 (F1), PopTart_10 (F1), Priscilla_10 (F1), QuickMath_10 (F1), Quico_11 (F1), Radiance_10 (F1), Ramsey_11 (F1), RedBird_10 (F1), Renaud18_11 (F4), Rialto_11 (F1), RitaG_10 (F1), Rita_10 (F1), Rockne_10 (F1), RockyHorror_11 (F1), Royals2015_10 (F1), Ruby_10 (F1), SG4_10 (F1), Saal_10 (F1), Sabbb_10 (F1), Sandalphon_10 (F1), Sarma624_11 (F1), Sassafras_10 (F1), SassyB_10 (F1), Scottish_10 (F1), SeaLumen_10 (F1), Seabastian_10 (F1), Seagreen_11 (F1), Shauna1_10 (F1), ShiLan_10 (F1), ShowerHandel_10 (F1), ShroomBoi_10 (F1), SiSi_10 (F1), SimranZ1_11 (F1), Slim_11 (F1), Sparkdehlily_10 (F1), Spartacus_10 (F1), Spikelee_11 (F1), Spoonbill_10 (F1), Squirty_11 (F3), StAnnes_10 (F1), Stap_11 (F1), Starceovich_11 (F1), Strokeseat_10 (F1), SuperGrey_10 (F1), SwagPigglett_10 (F1), TChen_11 (F4), TDanisky_10 (F1), Taj_10 (F1), Tchotchke_11 (F1), ThetaBob_11 (F4), TootsiePop_11 (F1), Tootsieroll_11 (F1), Topiatin_12 (F1), Toron_11 (F6), Totinger_11 (F1), Tweety_10 (F1), UncleRicky_11 (F1), VRedHorse_10 (F1), Velveteen_11 (F1), Veteran_10 (F1), Violac_10 (F1), Vivum_10 (F1), Wachhund_10 (F1), Wee_10 (F1), Whatsapiecost_10 (F1), Whouxphf_10 (F1), WillSterrel_10 (F1), XFactor_10 (F1), Yorick_10 (F1), Zerg_10 (F1), Zizzle_10 (F1),

Start 30:

- Found in 127 of 605 (21.0%) of genes in pham
- Manual Annotations of this start: 93 of 543
- Called 86.6% of time when present
- Phage (with cluster) where this start called: Arib1_13 (P1), Ariel_26 (J), Atcoo_13 (P1), BAKA_25 (J), Bagrid_26 (J), Bartholomew_13 (P1), Beem_28 (J), Bhagsy_13 (P1), BigNuz_12 (P4), Bobby_29 (J), Bogie_12 (P1), Bombitas_25 (J), BronnyJames_20 (J), BronnyJr_13 (P1), Brusacoram_13 (P1), Bunnies_13 (P1), CactusJack_13 (P1), Camster_13 (P1), Chubbello_13 (P1), Constella_23 (J), Cornie_11 (F5), Courthouse_26 (J), Dallas_28 (J), DmpstrDiver_27 (J), Donovan_13 (P1), Dove_26 (J), Duke13_25 (J), Dynamo_13 (P1), Ejimix_29 (J), EricMillard_28 (J), Etoile_13 (P1), FirstPlacePfu_13 (P1), Fishburne_13 (P1), FreddyB_10 (F1), GaloreK_13 (P1), Gavriela_13 (P1), Glaske_13 (P1), Gonephishing_24 (J), GreaseLightnin_13 (P1), HUHilltop_13 (P1), Halley_28 (J), Hannaconda_23 (J), Hidrated_30 (J), HokkenD_23 (J), Hughesyang_27 (J), Jebeks_13 (P1), JuicyJay_30 (J), Jung_13 (P1), Juniormint_13 (P1), Kalah2_29 (J), Kari_13 (P1), KashFlow_20 (J), KilKor_13 (P1), Klein_28 (J), Ksquared_13 (P1), Langerak_13 (P1), LittleE_26 (J), Lucky2013_26 (J), Majeke_13 (P1), Malithi_13 (P1), Mangethe_13 (P1),

Marleymoo_31 (J), Megiddo_13 (P1), MiaZeal_26 (J), Minerva_28 (J), Nazo_12 (P4), Necropolis_13 (P1), Nekros_26 (J), Nibley_21 (J), NihilNomen_27 (J), Odette_27 (J), Omega_28 (J), Optimus_26 (J), PeanutPie_13 (P1), Phalm_13 (P1), Phayonce_12 (P5), Phegasus_13 (P1), Phineas_13 (P1), Phoebus_28 (J), Pippy_10 (F1), Polkaroo_13 (P1), Porcelain_26 (J), Pound_28 (J), Purky_12 (P6), Pygmy_12 (P1), Rearden_23 (J), Redno2_27 (J), Schatzie_26 (J), Shaboozey_20 (J), Shipwreck_12 (P1), Sonah_13 (P1), Squint_25 (J), StevieRay_13 (P1), StressBall_13 (P1), Superphikiman_26 (J), Techage_13 (P1), Thespis_13 (P1), Thibault_24 (J), ThreeRngTarjay_27 (J), ThulaThula_12 (P5), Tortellini_12 (P2), Venti_13 (P1), Vidya_13 (P1), Wanda_29 (J), Willsammy_13 (P1), Xavia_13 (P3), Xiaokay_25 (J), Yeet_26 (J), Zelink_29 (J), Zilizebeth_13 (P1),

Start 32:

- Found in 203 of 605 (33.6%) of genes in pham
- Manual Annotations of this start: 4 of 543
- Called 3.4% of time when present
- Phage (with cluster) where this start called: CaptainTrips_11 (F1), DillTech15_10 (F1), Enzomatic_11 (F1), Fruitloop_10 (F1), Krakatau_11 (F1), Medindi_10 (F1), Polo2Bam_11 (F1),

Start 33:

- Found in 145 of 605 (24.0%) of genes in pham
- Manual Annotations of this start: 1 of 543
- Called 0.7% of time when present
- Phage (with cluster) where this start called: Estave1_10 (F1),

Start 34:

- Found in 290 of 605 (47.9%) of genes in pham
- No Manual Annotations of this start.
- Called 0.3% of time when present
- Phage (with cluster) where this start called: Nichirin_10 (F1),

Start 38:

- Found in 170 of 605 (28.1%) of genes in pham
- Manual Annotations of this start: 1 of 543
- Called 0.6% of time when present
- Phage (with cluster) where this start called: BodEinwohner17_10 (F1),

Summary by clusters:

There are 22 clusters represented in this pham: singleton, P6, I1, I3, I2, P5, P2, P3, P1, E, P4, F, J, O, N, F1, F3, F4, F5, F6, F7, F8,

Info for manual annotations of cluster E:

- Start number 27 was manually annotated 132 times for cluster E.

Info for manual annotations of cluster F1:

- Start number 28 was manually annotated 219 times for cluster F1.
- Start number 30 was manually annotated 2 times for cluster F1.
- Start number 32 was manually annotated 4 times for cluster F1.
- Start number 33 was manually annotated 1 time for cluster F1.
- Start number 38 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F3:

- Start number 28 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 28 was manually annotated 4 times for cluster F4.

Info for manual annotations of cluster F5:

- Start number 30 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster I1:

- Start number 24 was manually annotated 6 times for cluster I1.

Info for manual annotations of cluster I2:

- Start number 24 was manually annotated 3 times for cluster I2.

Info for manual annotations of cluster J:

- Start number 30 was manually annotated 40 times for cluster J.

Info for manual annotations of cluster N:

- Start number 18 was manually annotated 46 times for cluster N.

Info for manual annotations of cluster O:

- Start number 15 was manually annotated 31 times for cluster O.

Info for manual annotations of cluster P1:

- Start number 30 was manually annotated 43 times for cluster P1.

Info for manual annotations of cluster P2:

- Start number 30 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 30 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:

- Start number 30 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 30 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:

- Start number 30 was manually annotated 1 time for cluster P6.

Gene Information:

Gene: 244_18 Start: 10172, Stop: 10576, Start Num: 27

Candidate Starts for 244_18:

(17, 10139), (22, 10160), (Start: 27 @10172 has 132 MA's), (59, 10343), (62, 10355), (72, 10412), (88, 10481), (99, 10562), (100, 10571),

Gene: ABCat_17 Start: 10947, Stop: 11351, Start Num: 27

Candidate Starts for ABCat_17:

(17, 10914), (22, 10935), (Start: 27 @10947 has 132 MA's), (59, 11118), (62, 11130), (72, 11187), (88, 11256), (99, 11337), (100, 11346),

Gene: Adnama_19 Start: 10404, Stop: 10808, Start Num: 27

Candidate Starts for Adnama_19:

(17, 10371), (22, 10392), (Start: 27 @10404 has 132 MA's), (59, 10575), (62, 10587), (72, 10644), (88, 10713), (99, 10794), (100, 10803),

Gene: Aggie_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Aggie_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Akhila_11 Start: 7745, Stop: 8152, Start Num: 28

Candidate Starts for Akhila_11:

(11, 7667), (14, 7700), (Start: 28 @7745 has 224 MA's), (Start: 32 @7778 has 4 MA's), (34, 7784), (42, 7826), (44, 7841), (47, 7856), (51, 7874), (55, 7901), (57, 7910), (58, 7916), (68, 7952), (70, 7964), (72, 7979), (76, 7994), (77, 8003), (79, 8009), (82, 8030), (84, 8036), (89, 8060), (90, 8063), (94, 8114),

Gene: Alexphander_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Alexphander_11:

(Start: 28 @6948 has 224 MA's), (34, 6987), (42, 7029), (44, 7044), (46, 7056), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (78, 7209), (88, 7260), (90, 7266), (92, 7305), (93, 7308), (94, 7317),

Gene: Alkhayr_46 Start: 23287, Stop: 23739, Start Num: 15

Candidate Starts for Alkhayr_46:

(9, 23245), (Start: 15 @23287 has 31 MA's), (Start: 33 @23380 has 1 MA's), (34, 23383), (Start: 38 @23401 has 1 MA's), (50, 23464), (56, 23506), (60, 23524), (63, 23536), (72, 23587), (73, 23590), (81, 23614), (87, 23635), (88, 23641),

Gene: Aloeri_11 Start: 6951, Stop: 7355, Start Num: 28

Candidate Starts for Aloeri_11:

(7, 6849), (Start: 28 @6951 has 224 MA's), (Start: 32 @6984 has 4 MA's), (Start: 33 @6987 has 1 MA's), (34, 6990), (Start: 38 @7008 has 1 MA's), (42, 7032), (44, 7047), (46, 7059), (57, 7116), (58, 7122), (70, 7170), (72, 7185), (73, 7188), (78, 7212), (88, 7263), (90, 7269), (93, 7311), (94, 7320),

Gene: AlpineSix_10 Start: 7094, Stop: 7498, Start Num: 28

Candidate Starts for AlpineSix_10:

(Start: 28 @7094 has 224 MA's), (34, 7133), (Start: 38 @7151 has 1 MA's), (42, 7175), (44, 7190), (46, 7202), (47, 7205), (57, 7259), (58, 7265), (70, 7313), (72, 7328), (73, 7331), (78, 7355), (88, 7406), (90, 7412), (93, 7454), (94, 7463),

Gene: Amao_18 Start: 10152, Stop: 10556, Start Num: 27

Candidate Starts for Amao_18:

(17, 10119), (22, 10140), (Start: 27 @10152 has 132 MA's), (59, 10323), (62, 10335), (72, 10392), (88, 10461), (99, 10542), (100, 10551),

Gene: AmericanBeauty_19 Start: 10401, Stop: 10805, Start Num: 27

Candidate Starts for AmericanBeauty_19:

(17, 10368), (22, 10389), (Start: 27 @10401 has 132 MA's), (59, 10572), (62, 10584), (72, 10641), (88, 10710), (99, 10791), (100, 10800),

Gene: Andies_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Andies_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: ArcusAngelus_10 Start: 7087, Stop: 7494, Start Num: 28

Candidate Starts for ArcusAngelus_10:

(13, 7018), (14, 7042), (Start: 28 @7087 has 224 MA's), (Start: 32 @7120 has 4 MA's), (34, 7126), (42, 7168), (44, 7183), (47, 7198), (51, 7216), (55, 7243), (57, 7252), (58, 7258), (68, 7294), (70, 7306), (72, 7321), (76, 7336), (77, 7345), (79, 7351), (82, 7372), (84, 7378), (89, 7402), (90, 7405), (94, 7456),

Gene: Ardmore_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Ardmore_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Argent26_19 Start: 10404, Stop: 10808, Start Num: 27

Candidate Starts for Argent26_19:

(17, 10371), (22, 10392), (Start: 27 @10404 has 132 MA's), (59, 10575), (62, 10587), (72, 10644), (88, 10713), (99, 10794), (100, 10803),

Gene: Arib1_13 Start: 8287, Stop: 8724, Start Num: 30

Candidate Starts for Arib1_13:

(Start: 30 @8287 has 93 MA's), (37, 8353), (72, 8545), (73, 8548), (80, 8584), (87, 8617), (95, 8692), (96, 8698),

Gene: Ariel_26 Start: 14884, Stop: 15306, Start Num: 30

Candidate Starts for Ariel_26:

(Start: 30 @14884 has 93 MA's), (31, 14911), (40, 14950), (61, 15064), (66, 15088), (67, 15091), (72, 15124), (81, 15160), (97, 15271), (100, 15286),

Gene: Ashwin_47 Start: 23285, Stop: 23737, Start Num: 15

Candidate Starts for Ashwin_47:

(Start: 15 @23285 has 31 MA's), (Start: 33 @23378 has 1 MA's), (34, 23381), (Start: 38 @23399 has 1 MA's), (50, 23462), (56, 23504), (60, 23522), (63, 23534), (72, 23585), (73, 23588), (81, 23612), (87, 23633), (88, 23639),

Gene: Asriel_17 Start: 9819, Stop: 10223, Start Num: 27

Candidate Starts for Asriel_17:

(17, 9786), (22, 9807), (Start: 27 @9819 has 132 MA's), (59, 9990), (62, 10002), (72, 10059), (88, 10128), (99, 10209), (100, 10218),

Gene: Atcoo_13 Start: 8310, Stop: 8747, Start Num: 30

Candidate Starts for Atcoo_13:

(10, 8229), (Start: 30 @8310 has 93 MA's), (37, 8376), (72, 8568), (73, 8571), (80, 8607), (87, 8640), (95, 8715), (96, 8721),

Gene: Aubs_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Aubs_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (74, 7340), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Awesomesauce_11 Start: 6951, Stop: 7355, Start Num: 28

Candidate Starts for Awesomesauce_11:

(Start: 28 @6951 has 224 MA's), (Start: 32 @6984 has 4 MA's), (Start: 33 @6987 has 1 MA's), (34, 6990), (Start: 38 @7008 has 1 MA's), (42, 7032), (44, 7047), (46, 7059), (55, 7107), (57, 7116), (58, 7122), (70, 7170), (72, 7185), (88, 7263), (90, 7269), (92, 7308), (93, 7311), (94, 7320),

Gene: BAKA_25 Start: 16991, Stop: 17407, Start Num: 30

Candidate Starts for BAKA_25:

(Start: 30 @16991 has 93 MA's), (Start: 32 @17024 has 4 MA's), (41, 17060), (72, 17228), (97, 17372), (100, 17387),

Gene: BabeRuth_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for BabeRuth_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: BaboJay_17 Start: 10483, Stop: 10887, Start Num: 27

Candidate Starts for BaboJay_17:

(17, 10450), (22, 10471), (Start: 27 @10483 has 132 MA's), (59, 10654), (62, 10666), (72, 10723), (88, 10792), (99, 10873), (100, 10882),

Gene: Babsiella_12 Start: 8354, Stop: 8773, Start Num: 24

Candidate Starts for Babsiella_12:

(Start: 24 @8354 has 11 MA's), (36, 8411), (39, 8423), (56, 8528), (72, 8600), (88, 8675), (91, 8696), (93, 8720),

Gene: BadStone_17 Start: 10947, Stop: 11351, Start Num: 27

Candidate Starts for BadStone_17:

(17, 10914), (22, 10935), (Start: 27 @10947 has 132 MA's), (59, 11118), (62, 11130), (72, 11187), (88, 11256), (99, 11337), (100, 11346),

Gene: Bagrid_26 Start: 16780, Stop: 17196, Start Num: 30

Candidate Starts for Bagrid_26:

(Start: 30 @16780 has 93 MA's), (Start: 32 @16813 has 4 MA's), (41, 16849), (72, 17017), (97, 17161), (100, 17176),

Gene: Balomoji_17 Start: 10681, Stop: 11085, Start Num: 27

Candidate Starts for Balomoji_17:

(17, 10648), (22, 10669), (Start: 27 @10681 has 132 MA's), (59, 10852), (62, 10864), (72, 10921), (88, 10990), (99, 11071), (100, 11080),

Gene: Barbarian_17 Start: 9819, Stop: 10223, Start Num: 27

Candidate Starts for Barbarian_17:

(17, 9786), (22, 9807), (Start: 27 @9819 has 132 MA's), (59, 9990), (62, 10002), (72, 10059), (88, 10128), (99, 10209), (100, 10218),

Gene: Bartholomew_13 Start: 8306, Stop: 8743, Start Num: 30

Candidate Starts for Bartholomew_13:

(Start: 30 @8306 has 93 MA's), (72, 8564), (73, 8567), (80, 8603), (87, 8636), (95, 8711), (96, 8717),

Gene: Bask21_17 Start: 9614, Stop: 10018, Start Num: 27

Candidate Starts for Bask21_17:

(17, 9581), (22, 9602), (Start: 27 @9614 has 132 MA's), (59, 9785), (62, 9797), (72, 9854), (88, 9923), (99, 10004), (100, 10013),

Gene: Batiatus_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Batiatus_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Beakin_11 Start: 6951, Stop: 7355, Start Num: 28

Candidate Starts for Beakin_11:

(Start: 28 @6951 has 224 MA's), (34, 6990), (42, 7032), (44, 7047), (46, 7059), (57, 7116), (58, 7122), (70, 7170), (72, 7185), (73, 7188), (78, 7212), (88, 7263), (90, 7269), (92, 7308), (93, 7311), (94, 7320),

Gene: Becksu_17 Start: 10591, Stop: 10995, Start Num: 27

Candidate Starts for Becksu_17:

(17, 10558), (22, 10579), (Start: 27 @10591 has 132 MA's), (59, 10762), (62, 10774), (72, 10831), (88, 10900), (99, 10981), (100, 10990),

Gene: Beem_28 Start: 17346, Stop: 17762, Start Num: 30

Candidate Starts for Beem_28:

(Start: 30 @17346 has 93 MA's), (Start: 32 @17379 has 4 MA's), (41, 17415), (72, 17583), (97, 17727), (100, 17742),

Gene: Bench_19 Start: 10277, Stop: 10681, Start Num: 27

Candidate Starts for Bench_19:

(17, 10244), (22, 10265), (Start: 27 @10277 has 132 MA's), (59, 10448), (62, 10460), (72, 10517), (88, 10586), (99, 10667), (100, 10676),

Gene: Bhagsy_13 Start: 8313, Stop: 8750, Start Num: 30

Candidate Starts for Bhagsy_13:

(10, 8232), (Start: 30 @8313 has 93 MA's), (37, 8379), (72, 8571), (73, 8574), (80, 8610), (87, 8643), (95, 8718), (96, 8724),

Gene: BigBubba_17 Start: 9660, Stop: 10064, Start Num: 27

Candidate Starts for BigBubba_17:

(17, 9627), (22, 9648), (Start: 27 @9660 has 132 MA's), (59, 9831), (62, 9843), (72, 9900), (88, 9969), (99, 10050), (100, 10059),

Gene: BigNuz_12 Start: 8018, Stop: 8455, Start Num: 30

Candidate Starts for BigNuz_12:

(Start: 30 @8018 has 93 MA's), (72, 8276), (80, 8315), (87, 8348), (95, 8423), (96, 8429),

Gene: BigPhil_11 Start: 6947, Stop: 7351, Start Num: 28

Candidate Starts for BigPhil_11:

(Start: 28 @6947 has 224 MA's), (34, 6986), (42, 7028), (44, 7043), (46, 7055), (57, 7112), (58, 7118), (70, 7166), (72, 7181), (73, 7184), (78, 7208), (82, 7232), (83, 7235), (88, 7259), (90, 7265), (92, 7304), (93, 7307), (94, 7316),

Gene: BilboSwaggins_18 Start: 10948, Stop: 11352, Start Num: 27

Candidate Starts for BilboSwaggins_18:

(17, 10915), (22, 10936), (Start: 27 @10948 has 132 MA's), (59, 11119), (62, 11131), (72, 11188), (88, 11257), (99, 11338), (100, 11347),

Gene: Bipolar_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Bipolar_10:

(11, 7019), (13, 7028), (14, 7052), (Start: 28 @7097 has 224 MA's), (34, 7136), (44, 7193), (47, 7208), (51, 7226), (53, 7232), (54, 7241), (55, 7253), (57, 7262), (58, 7268), (65, 7292), (70, 7316), (72, 7331), (74, 7340), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (90, 7415), (94, 7466),

Gene: Blessica_47 Start: 23688, Stop: 24140, Start Num: 15

Candidate Starts for Blessica_47:

(Start: 15 @23688 has 31 MA's), (Start: 33 @23781 has 1 MA's), (34, 23784), (Start: 38 @23802 has 1 MA's), (50, 23865), (56, 23907), (60, 23925), (63, 23937), (72, 23988), (73, 23991), (81, 24015), (87, 24036), (88, 24042),

Gene: Blexus_10 Start: 7111, Stop: 7515, Start Num: 28

Candidate Starts for Blexus_10:

(Start: 28 @7111 has 224 MA's), (34, 7150), (Start: 38 @7168 has 1 MA's), (42, 7192), (44, 7207), (46, 7219), (47, 7222), (55, 7267), (57, 7276), (58, 7282), (70, 7330), (72, 7345), (88, 7423), (90, 7429), (92, 7468), (93, 7471), (94, 7480),

Gene: BlueCrab_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for BlueCrab_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: Bluvara_12 Start: 8352, Stop: 8771, Start Num: 24

Candidate Starts for Bluvara_12:

(Start: 24 @8352 has 11 MA's), (36, 8409), (39, 8421), (56, 8526), (72, 8598), (88, 8673), (91, 8694), (93, 8718),

Gene: BobaPhett_10 Start: 7087, Stop: 7491, Start Num: 28

Candidate Starts for BobaPhett_10:

(Start: 28 @7087 has 224 MA's), (34, 7126), (42, 7168), (44, 7183), (46, 7195), (57, 7252), (70, 7306), (72, 7321), (75, 7333), (78, 7348), (88, 7399), (89, 7402), (90, 7405), (93, 7447), (94, 7456),

Gene: Bobby_29 Start: 17299, Stop: 17715, Start Num: 30

Candidate Starts for Bobby_29:

(Start: 30 @17299 has 93 MA's), (Start: 32 @17332 has 4 MA's), (41, 17368), (72, 17536), (97, 17680), (100, 17695),

Gene: Bobi_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Bobi_11:

(Start: 28 @6948 has 224 MA's), (34, 6987), (42, 7029), (44, 7044), (46, 7056), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (73, 7185), (78, 7209), (88, 7260), (90, 7266), (93, 7308), (94, 7317),

Gene: BodEinwohner17_10 Start: 7152, Stop: 7499, Start Num: 38

Candidate Starts for BodEinwohner17_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92,

7452), (93, 7455), (94, 7464),

Gene: Bogg_18 Start: 9833, Stop: 10237, Start Num: 27

Candidate Starts for Bogg_18:

(17, 9800), (22, 9821), (Start: 27 @9833 has 132 MA's), (59, 10004), (62, 10016), (72, 10073), (88, 10142), (99, 10223), (100, 10232),

Gene: Bogie_12 Start: 8023, Stop: 8460, Start Num: 30

Candidate Starts for Bogie_12:

(Start: 30 @8023 has 93 MA's), (72, 8281), (73, 8284), (87, 8353), (95, 8428), (96, 8434),

Gene: Bombitas_25 Start: 16656, Stop: 17072, Start Num: 30

Candidate Starts for Bombitas_25:

(Start: 30 @16656 has 93 MA's), (Start: 32 @16689 has 4 MA's), (41, 16725), (72, 16893), (97, 17037), (100, 17052),

Gene: Boomer_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Boomer_11:

(Start: 28 @6948 has 224 MA's), (34, 6987), (Start: 38 @7005 has 1 MA's), (42, 7029), (44, 7044), (46, 7056), (47, 7059), (55, 7104), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (88, 7260), (90, 7266), (92, 7305), (93, 7308), (94, 7317),

Gene: Bora_43 Start: 22738, Stop: 23190, Start Num: 15

Candidate Starts for Bora_43:

(Start: 15 @22738 has 31 MA's), (Start: 33 @22831 has 1 MA's), (34, 22834), (Start: 38 @22852 has 1 MA's), (50, 22915), (56, 22957), (60, 22975), (63, 22987), (72, 23038), (73, 23041), (81, 23065), (87, 23086), (88, 23092),

Gene: Bosection6_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Bosection6_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Brewer_17 Start: 10659, Stop: 11063, Start Num: 27

Candidate Starts for Brewer_17:

(17, 10626), (22, 10647), (Start: 27 @10659 has 132 MA's), (59, 10830), (62, 10842), (72, 10899), (88, 10968), (99, 11049), (100, 11058),

Gene: Brocalys_10 Start: 7084, Stop: 7488, Start Num: 28

Candidate Starts for Brocalys_10:

(Start: 28 @7084 has 224 MA's), (Start: 30 @7087 has 93 MA's), (Start: 32 @7117 has 4 MA's), (Start: 33 @7120 has 1 MA's), (34, 7123), (Start: 38 @7141 has 1 MA's), (42, 7165), (44, 7180), (46, 7192), (55, 7240), (57, 7249), (58, 7255), (70, 7303), (72, 7318), (88, 7396), (90, 7402), (92, 7441), (93, 7444), (94, 7453),

Gene: BronnyJames_20 Start: 13516, Stop: 13938, Start Num: 30

Candidate Starts for BronnyJames_20:

(Start: 30 @13516 has 93 MA's), (31, 13543), (40, 13582), (61, 13696), (66, 13720), (67, 13723), (72, 13756), (81, 13792), (97, 13903), (100, 13918),

Gene: BronnyJr_13 Start: 8290, Stop: 8727, Start Num: 30

Candidate Starts for BronnyJr_13:

(Start: 30 @8290 has 93 MA's), (72, 8548), (73, 8551), (80, 8587), (87, 8620), (95, 8695), (96, 8701),

Gene: Brookers_11 Start: 6947, Stop: 7351, Start Num: 28

Candidate Starts for Brookers_11:

(Start: 28 @6947 has 224 MA's), (34, 6986), (42, 7028), (44, 7043), (46, 7055), (57, 7112), (58, 7118), (70, 7166), (72, 7181), (73, 7184), (78, 7208), (82, 7232), (83, 7235), (88, 7259), (90, 7265), (92, 7304), (93, 7307), (94, 7316),

Gene: Bruin_17 Start: 10455, Stop: 10859, Start Num: 27

Candidate Starts for Bruin_17:

(17, 10422), (22, 10443), (Start: 27 @10455 has 132 MA's), (59, 10626), (62, 10638), (72, 10695), (88, 10764), (99, 10845), (100, 10854),

Gene: Brujita_12 Start: 8355, Stop: 8774, Start Num: 24

Candidate Starts for Brujita_12:

(Start: 24 @8355 has 11 MA's), (36, 8412), (39, 8424), (56, 8529), (72, 8601), (73, 8604), (88, 8676), (91, 8697), (93, 8721),

Gene: Brusacoram_13 Start: 8309, Stop: 8746, Start Num: 30

Candidate Starts for Brusacoram_13:

(10, 8228), (Start: 30 @8309 has 93 MA's), (37, 8375), (72, 8567), (73, 8570), (80, 8606), (87, 8639), (95, 8714), (96, 8720),

Gene: Brushbloom_11 Start: 6947, Stop: 7351, Start Num: 28

Candidate Starts for Brushbloom_11:

(7, 6845), (Start: 28 @6947 has 224 MA's), (Start: 32 @6980 has 4 MA's), (Start: 33 @6983 has 1 MA's), (34, 6986), (Start: 38 @7004 has 1 MA's), (42, 7028), (44, 7043), (46, 7055), (57, 7112), (58, 7118), (70, 7166), (72, 7181), (73, 7184), (78, 7208), (88, 7259), (90, 7265), (94, 7316),

Gene: Bubbles123_10 Start: 7114, Stop: 7518, Start Num: 28

Candidate Starts for Bubbles123_10:

(Start: 28 @7114 has 224 MA's), (34, 7153), (42, 7195), (44, 7210), (46, 7222), (47, 7225), (55, 7270), (57, 7279), (58, 7285), (70, 7333), (72, 7348), (73, 7351), (88, 7426), (90, 7432), (92, 7471), (93, 7474), (94, 7483),

Gene: Buck_17 Start: 10904, Stop: 11308, Start Num: 27

Candidate Starts for Buck_17:

(17, 10871), (22, 10892), (Start: 27 @10904 has 132 MA's), (59, 11075), (62, 11087), (72, 11144), (88, 11213), (99, 11294), (100, 11303),

Gene: Budgie_20 Start: 10335, Stop: 10742, Start Num: 27

Candidate Starts for Budgie_20:

(19, 10314), (23, 10326), (Start: 27 @10335 has 132 MA's), (59, 10509), (62, 10521), (72, 10578), (88, 10647), (99, 10728), (100, 10737),

Gene: BugsBunny_15 Start: 10021, Stop: 10425, Start Num: 27

Candidate Starts for BugsBunny_15:

(17, 9988), (22, 10009), (Start: 27 @10021 has 132 MA's), (59, 10192), (62, 10204), (72, 10261), (88, 10330), (99, 10411), (100, 10420),

Gene: Bunnies_13 Start: 8322, Stop: 8759, Start Num: 30

Candidate Starts for Bunnies_13:

(10, 8241), (Start: 30 @8322 has 93 MA's), (37, 8388), (72, 8580), (73, 8583), (80, 8619), (87, 8652), (95, 8727), (96, 8733),

Gene: Burwell21_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Burwell21_10:

(Start: 28 @7095 has 224 MA's), (Start: 32 @7128 has 4 MA's), (Start: 33 @7131 has 1 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (82, 7380), (83, 7383), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: Butters_12 Start: 7363, Stop: 7782, Start Num: 18

Candidate Starts for Butters_12:

(2, 7192), (Start: 18 @7363 has 46 MA's), (Start: 33 @7408 has 1 MA's), (57, 7534), (72, 7612), (84, 7666), (87, 7681), (88, 7687),

Gene: BuzzLyseyear_11 Start: 6947, Stop: 7351, Start Num: 28

Candidate Starts for BuzzLyseyear_11:

(Start: 28 @6947 has 224 MA's), (34, 6986), (42, 7028), (44, 7043), (46, 7055), (57, 7112), (70, 7166), (72, 7181), (73, 7184), (78, 7208), (88, 7259), (90, 7265), (93, 7307), (94, 7316),

Gene: ByChance_10 Start: 7097, Stop: 7501, Start Num: 28

Candidate Starts for ByChance_10:

(Start: 28 @7097 has 224 MA's), (Start: 30 @7100 has 93 MA's), (Start: 32 @7130 has 4 MA's), (Start: 33 @7133 has 1 MA's), (34, 7136), (Start: 38 @7154 has 1 MA's), (42, 7178), (44, 7193), (46, 7205), (55, 7253), (57, 7262), (58, 7268), (70, 7316), (72, 7331), (88, 7409), (90, 7415), (92, 7454), (93, 7457), (94, 7466),

Gene: Byougenkin_10 Start: 7088, Stop: 7492, Start Num: 28

Candidate Starts for Byougenkin_10:

(Start: 28 @7088 has 224 MA's), (Start: 32 @7121 has 4 MA's), (Start: 33 @7124 has 1 MA's), (34, 7127), (Start: 38 @7145 has 1 MA's), (42, 7169), (44, 7184), (46, 7196), (47, 7199), (55, 7244), (57, 7253), (58, 7259), (70, 7307), (72, 7322), (88, 7400), (90, 7406), (92, 7445), (93, 7448), (94, 7457),

Gene: Cabrinians_10 Start: 7087, Stop: 7491, Start Num: 28

Candidate Starts for Cabrinians_10:

(Start: 28 @7087 has 224 MA's), (Start: 30 @7090 has 93 MA's), (Start: 32 @7120 has 4 MA's), (Start: 33 @7123 has 1 MA's), (34, 7126), (Start: 38 @7144 has 1 MA's), (42, 7168), (44, 7183), (46, 7195), (55, 7243), (57, 7252), (58, 7258), (70, 7306), (72, 7321), (88, 7399), (90, 7405), (92, 7444), (93, 7447), (94, 7456),

Gene: Cactus_19 Start: 10160, Stop: 10564, Start Num: 27

Candidate Starts for Cactus_19:

(17, 10127), (22, 10148), (Start: 27 @10160 has 132 MA's), (59, 10331), (62, 10343), (72, 10400), (88, 10469), (99, 10550), (100, 10559),

Gene: CactusJack_13 Start: 8309, Stop: 8746, Start Num: 30

Candidate Starts for CactusJack_13:

(10, 8228), (Start: 30 @8309 has 93 MA's), (37, 8375), (72, 8567), (73, 8570), (80, 8606), (87, 8639), (95, 8714), (96, 8720),

Gene: Camster_13 Start: 8306, Stop: 8743, Start Num: 30

Candidate Starts for Camster_13:

(Start: 30 @8306 has 93 MA's), (72, 8564), (73, 8567), (80, 8603), (87, 8636), (95, 8711), (96, 8717),

Gene: CaptainTrips_11 Start: 7778, Stop: 8152, Start Num: 32

Candidate Starts for CaptainTrips_11:

(11, 7667), (14, 7700), (Start: 28 @7745 has 224 MA's), (Start: 32 @7778 has 4 MA's), (34, 7784), (42, 7826), (44, 7841), (47, 7856), (51, 7874), (55, 7901), (57, 7910), (58, 7916), (68, 7952), (70, 7964), (72, 7979), (76, 7994), (77, 8003), (79, 8009), (82, 8030), (84, 8036), (89, 8060), (90, 8063), (94, 8114),

Gene: Carcharodon_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Carcharodon_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Catdawg_46 Start: 23377, Stop: 23829, Start Num: 15

Candidate Starts for Catdawg_46:

(9, 23335), (Start: 15 @23377 has 31 MA's), (Start: 33 @23470 has 1 MA's), (34, 23473), (Start: 38 @23491 has 1 MA's), (50, 23554), (56, 23596), (60, 23614), (63, 23626), (72, 23677), (73, 23680), (81, 23704), (87, 23725), (88, 23731),

Gene: Cerasum_11 Start: 6947, Stop: 7351, Start Num: 28

Candidate Starts for Cerasum_11:

(Start: 28 @6947 has 224 MA's), (34, 6986), (42, 7028), (44, 7043), (46, 7055), (57, 7112), (58, 7118), (70, 7166), (72, 7181), (73, 7184), (78, 7208), (82, 7232), (83, 7235), (88, 7259), (90, 7265), (92, 7304), (93, 7307), (94, 7316),

Gene: Charlie_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Charlie_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Che8_10 Start: 7099, Stop: 7503, Start Num: 28

Candidate Starts for Che8_10:

(Start: 28 @7099 has 224 MA's), (Start: 32 @7132 has 4 MA's), (Start: 33 @7135 has 1 MA's), (34, 7138), (42, 7180), (44, 7195), (46, 7207), (57, 7264), (58, 7270), (70, 7318), (72, 7333), (88, 7411), (90, 7417), (92, 7456), (93, 7459), (94, 7468),

Gene: Che9c_11 Start: 7971, Stop: 8387, Start Num: 24

Candidate Starts for Che9c_11:

(21, 7965), (Start: 24 @7971 has 11 MA's), (36, 8028), (Start: 38 @8037 has 1 MA's), (39, 8040), (47, 8091), (56, 8142), (72, 8214), (79, 8244), (91, 8310), (93, 8334),

Gene: Cheesepuff_10 Start: 7097, Stop: 7501, Start Num: 28

Candidate Starts for Cheesepuff_10:

(Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (Start: 33 @7133 has 1 MA's), (34, 7136), (Start: 38 @7154 has 1 MA's), (42, 7178), (44, 7193), (46, 7205), (55, 7253), (57, 7262), (58, 7268), (70, 7316), (72, 7331), (82, 7382), (83, 7385), (88, 7409), (90, 7415), (92, 7454), (93, 7457), (94, 7466),

Gene: Chevrolet_10 Start: 7087, Stop: 7494, Start Num: 28

Candidate Starts for Chevrolet_10:

(13, 7018), (14, 7042), (Start: 28 @7087 has 224 MA's), (Start: 32 @7120 has 4 MA's), (34, 7126), (42, 7168), (44, 7183), (47, 7198), (51, 7216), (55, 7243), (57, 7252), (58, 7258), (68, 7294), (70, 7306), (72, 7321), (76, 7336), (77, 7345), (79, 7351), (82, 7372), (84, 7378), (89, 7402), (90, 7405), (94, 7456),

Gene: Chewbacca_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Chewbacca_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: ChickenDinner_11 Start: 6951, Stop: 7355, Start Num: 28

Candidate Starts for ChickenDinner_11:

(7, 6849), (Start: 28 @6951 has 224 MA's), (Start: 32 @6984 has 4 MA's), (Start: 33 @6987 has 1 MA's), (34, 6990), (Start: 38 @7008 has 1 MA's), (42, 7032), (44, 7047), (46, 7059), (57, 7116), (58, 7122), (70, 7170), (72, 7185), (73, 7188), (78, 7212), (88, 7263), (90, 7269), (93, 7311), (94, 7320),

Gene: ChosenOne_16 Start: 9624, Stop: 10028, Start Num: 27

Candidate Starts for ChosenOne_16:

(17, 9591), (22, 9612), (Start: 27 @9624 has 132 MA's), (59, 9795), (62, 9807), (72, 9864), (88, 9933), (99, 10014), (100, 10023),

Gene: ChotaBhai_17 Start: 9660, Stop: 10064, Start Num: 27

Candidate Starts for ChotaBhai_17:

(17, 9627), (22, 9648), (Start: 27 @9660 has 132 MA's), (59, 9831), (62, 9843), (72, 9900), (88, 9969), (99, 10050), (100, 10059),

Gene: Chubbello_13 Start: 8305, Stop: 8742, Start Num: 30

Candidate Starts for Chubbello_13:

(Start: 30 @8305 has 93 MA's), (72, 8563), (73, 8566), (80, 8602), (87, 8635), (95, 8710), (96, 8716),

Gene: Chuckly_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Chuckly_10:

(11, 7019), (13, 7028), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Cjw1_17 Start: 11174, Stop: 11578, Start Num: 27

Candidate Starts for Cjw1_17:

(17, 11141), (22, 11162), (Start: 27 @11174 has 132 MA's), (59, 11345), (62, 11357), (72, 11414), (88, 11483), (99, 11564), (100, 11573),

Gene: Clank_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Clank_10:

(11, 7019), (13, 7028), (14, 7052), (Start: 28 @7097 has 224 MA's), (34, 7136), (44, 7193), (47, 7208), (51, 7226), (53, 7232), (54, 7241), (55, 7253), (57, 7262), (58, 7268), (65, 7292), (70, 7316), (72, 7331), (74, 7340), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (90, 7415), (94, 7466),

Gene: Clifton_10 Start: 7083, Stop: 7487, Start Num: 28

Candidate Starts for Clifton_10:

(Start: 28 @7083 has 224 MA's), (Start: 30 @7086 has 93 MA's), (Start: 32 @7116 has 4 MA's), (Start: 33 @7119 has 1 MA's), (34, 7122), (Start: 38 @7140 has 1 MA's), (42, 7164), (44, 7179), (46, 7191), (55, 7239), (57, 7248), (58, 7254), (70, 7302), (72, 7317), (88, 7395), (90, 7401), (92, 7440), (93, 7443), (94, 7452),

Gene: Coco12_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Coco12_11:

(Start: 28 @6948 has 224 MA's), (Start: 32 @6981 has 4 MA's), (Start: 33 @6984 has 1 MA's), (34, 6987), (42, 7029), (44, 7044), (46, 7056), (55, 7104), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (82, 7233), (83, 7236), (88, 7260), (90, 7266), (92, 7305), (93, 7308), (94, 7317),

Gene: Command613_19 Start: 11216, Stop: 11620, Start Num: 27

Candidate Starts for Command613_19:

(17, 11183), (22, 11204), (Start: 27 @11216 has 132 MA's), (59, 11387), (62, 11399), (72, 11456), (88, 11525), (99, 11606), (100, 11615),

Gene: Constella_23 Start: 16169, Stop: 16585, Start Num: 30

Candidate Starts for Constella_23:

(Start: 30 @16169 has 93 MA's), (Start: 32 @16202 has 4 MA's), (41, 16238), (72, 16406), (97, 16550), (100, 16565),

Gene: Contagion_17 Start: 10455, Stop: 10859, Start Num: 27

Candidate Starts for Contagion_17:

(17, 10422), (22, 10443), (Start: 27 @10455 has 132 MA's), (59, 10626), (62, 10638), (72, 10695), (88, 10764), (99, 10845), (100, 10854),

Gene: Cookies_18 Start: 10820, Stop: 11224, Start Num: 27

Candidate Starts for Cookies_18:

(17, 10787), (22, 10808), (Start: 27 @10820 has 132 MA's), (59, 10991), (62, 11003), (72, 11060), (88, 11129), (99, 11210), (100, 11219),

Gene: Corium_10 Start: 7098, Stop: 7505, Start Num: 28

Candidate Starts for Corium_10:

(11, 7020), (14, 7053), (Start: 28 @7098 has 224 MA's), (Start: 32 @7131 has 4 MA's), (34, 7137), (42, 7179), (44, 7194), (47, 7209), (51, 7227), (55, 7254), (57, 7263), (58, 7269), (68, 7305), (70, 7317), (72, 7332), (76, 7347), (77, 7356), (79, 7362), (82, 7383), (84, 7389), (89, 7413), (90, 7416), (94, 7467),

Gene: Corndog_48 Start: 23835, Stop: 24287, Start Num: 15

Candidate Starts for Corndog_48:

(3, 23736), (Start: 15 @23835 has 31 MA's), (Start: 33 @23928 has 1 MA's), (34, 23931), (Start: 38 @23949 has 1 MA's), (50, 24012), (56, 24054), (60, 24072), (63, 24084), (72, 24135), (73, 24138), (81, 24162), (87, 24183), (88, 24189),

Gene: Cornie_11 Start: 7407, Stop: 7805, Start Num: 30

Candidate Starts for Cornie_11:

(Start: 30 @7407 has 93 MA's), (Start: 33 @7440 has 1 MA's), (41, 7476), (43, 7497), (44, 7500), (45, 7503), (56, 7560), (69, 7608), (72, 7632), (87, 7701), (91, 7728),

Gene: Cornucopia_11 Start: 6947, Stop: 7354, Start Num: 28

Candidate Starts for Cornucopia_11:

(11, 6869), (13, 6878), (14, 6902), (Start: 28 @6947 has 224 MA's), (Start: 32 @6980 has 4 MA's), (34, 6986), (42, 7028), (44, 7043), (47, 7058), (51, 7076), (55, 7103), (57, 7112), (58, 7118), (68, 7154), (70, 7166), (72, 7181), (74, 7190), (76, 7196), (77, 7205), (79, 7211), (82, 7232), (84, 7238), (89, 7262), (90, 7265), (94, 7316),

Gene: Courthouse_26 Start: 15286, Stop: 15708, Start Num: 30

Candidate Starts for Courthouse_26:

(Start: 30 @15286 has 93 MA's), (31, 15313), (40, 15352), (61, 15466), (66, 15490), (67, 15493), (72, 15526), (81, 15562), (97, 15673), (100, 15688),

Gene: Crumble_10 Start: 7097, Stop: 7501, Start Num: 28

Candidate Starts for Crumble_10:

(Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (Start: 33 @7133 has 1 MA's), (34, 7136), (Start: 38 @7154 has 1 MA's), (42, 7178), (44, 7193), (46, 7205), (55, 7253), (57, 7262), (58, 7268), (70, 7316), (72, 7331), (82, 7382), (83, 7385), (88, 7409), (90, 7415), (92, 7454), (93, 7457), (94, 7466),

Gene: CrystalP_18 Start: 10948, Stop: 11352, Start Num: 27

Candidate Starts for CrystalP_18:

(17, 10915), (22, 10936), (Start: 27 @10948 has 132 MA's), (59, 11119), (62, 11131), (72, 11188), (88, 11257), (99, 11338), (100, 11347),

Gene: Cubone_11 Start: 7367, Stop: 7786, Start Num: 18

Candidate Starts for Cubone_11:

(Start: 18 @7367 has 46 MA's), (57, 7538), (72, 7616), (84, 7670), (87, 7685), (88, 7691),

Gene: Czyszczo1_18 Start: 10159, Stop: 10563, Start Num: 27

Candidate Starts for Czyszczo1_18:

(17, 10126), (22, 10147), (Start: 27 @10159 has 132 MA's), (59, 10330), (62, 10342), (72, 10399), (88, 10468), (99, 10549), (100, 10558),

Gene: DLane_10 Start: 7098, Stop: 7505, Start Num: 28

Candidate Starts for DLane_10:

(11, 7020), (14, 7053), (Start: 28 @7098 has 224 MA's), (Start: 32 @7131 has 4 MA's), (34, 7137), (42, 7179), (44, 7194), (47, 7209), (51, 7227), (55, 7254), (57, 7263), (58, 7269), (68, 7305), (70, 7317), (72, 7332), (76, 7347), (77, 7356), (79, 7362), (82, 7383), (84, 7389), (89, 7413), (90, 7416), (94, 7467),

Gene: DRBy19_10 Start: 7111, Stop: 7515, Start Num: 28

Candidate Starts for DRBy19_10:

(Start: 28 @7111 has 224 MA's), (Start: 32 @7144 has 4 MA's), (Start: 33 @7147 has 1 MA's), (34, 7150), (Start: 38 @7168 has 1 MA's), (42, 7192), (44, 7207), (46, 7219), (47, 7222), (55, 7267), (57, 7276), (58, 7282), (70, 7330), (72, 7345), (73, 7348), (88, 7423), (90, 7429), (92, 7468), (93, 7471), (94, 7480),

Gene: DaWorst_11 Start: 6949, Stop: 7353, Start Num: 28

Candidate Starts for DaWorst_11:

(Start: 28 @6949 has 224 MA's), (34, 6988), (42, 7030), (44, 7045), (46, 7057), (47, 7060), (57, 7114), (58, 7120), (70, 7168), (72, 7183), (78, 7210), (88, 7261), (90, 7267), (92, 7306), (93, 7309), (94, 7318),

Gene: DaddyRickover_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for DaddyRickover_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: Daenerys_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Daenerys_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: Daikon_16 Start: 10682, Stop: 11086, Start Num: 27

Candidate Starts for Daikon_16:

(17, 10649), (22, 10670), (Start: 27 @10682 has 132 MA's), (59, 10853), (62, 10865), (72, 10922), (88, 10991), (99, 11072), (100, 11081),

Gene: Dallas_28 Start: 16886, Stop: 17302, Start Num: 30

Candidate Starts for Dallas_28:

(Start: 30 @16886 has 93 MA's), (Start: 32 @16919 has 4 MA's), (41, 16955), (72, 17123), (97, 17267), (100, 17282),

Gene: Dante_10 Start: 7112, Stop: 7516, Start Num: 28

Candidate Starts for Dante_10:

(Start: 28 @7112 has 224 MA's), (Start: 30 @7115 has 93 MA's), (Start: 32 @7145 has 4 MA's), (Start: 33 @7148 has 1 MA's), (34, 7151), (Start: 38 @7169 has 1 MA's), (42, 7193), (44, 7208), (46, 7220), (47, 7223), (55, 7268), (57, 7277), (58, 7283), (70, 7331), (72, 7346), (88, 7424), (90, 7430), (92, 7469), (93, 7472), (94, 7481),

Gene: DeadP_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for DeadP_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Deb65_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Deb65_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: DillTech15_10 Start: 7130, Stop: 7504, Start Num: 32

Candidate Starts for DillTech15_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: DirtMcgirt_11 Start: 6950, Stop: 7354, Start Num: 28

Candidate Starts for DirtMcgirt_11:

(Start: 28 @6950 has 224 MA's), (Start: 32 @6983 has 4 MA's), (Start: 33 @6986 has 1 MA's), (34, 6989), (Start: 38 @7007 has 1 MA's), (42, 7031), (44, 7046), (46, 7058), (57, 7115), (58, 7121), (70, 7169), (72, 7184), (73, 7187), (78, 7211), (88, 7262), (90, 7268), (92, 7307), (93, 7310), (94, 7319),

Gene: DmpstrDiver_27 Start: 17522, Stop: 17938, Start Num: 30

Candidate Starts for DmpstrDiver_27:

(Start: 30 @17522 has 93 MA's), (Start: 32 @17555 has 4 MA's), (41, 17591), (72, 17759), (97, 17903), (100, 17918),

Gene: DoRead_10 Start: 7085, Stop: 7492, Start Num: 28

Candidate Starts for DoRead_10:

(11, 7007), (13, 7016), (14, 7040), (Start: 28 @7085 has 224 MA's), (34, 7124), (44, 7181), (47, 7196), (51, 7214), (53, 7220), (54, 7229), (55, 7241), (57, 7250), (58, 7256), (65, 7280), (70, 7304), (72, 7319), (74, 7328), (76, 7334), (77, 7343), (79, 7349), (82, 7370), (84, 7376), (90, 7403), (94, 7454),

Gene: DocMcStuffins_11 Start: 6951, Stop: 7355, Start Num: 28

Candidate Starts for DocMcStuffins_11:

(7, 6849), (Start: 28 @6951 has 224 MA's), (Start: 32 @6984 has 4 MA's), (Start: 33 @6987 has 1 MA's), (34, 6990), (Start: 38 @7008 has 1 MA's), (42, 7032), (44, 7047), (46, 7059), (57, 7116), (58, 7122), (70, 7170), (72, 7185), (73, 7188), (78, 7212), (88, 7263), (90, 7269), (93, 7311), (94, 7320),

Gene: DoctorDiddles_18 Start: 10113, Stop: 10517, Start Num: 27

Candidate Starts for DoctorDiddles_18:

(17, 10080), (22, 10101), (Start: 27 @10113 has 132 MA's), (59, 10284), (62, 10296), (72, 10353), (88, 10422), (99, 10503), (100, 10512),

Gene: Donkeykong_10 Start: 7114, Stop: 7518, Start Num: 28

Candidate Starts for Donkeykong_10:

(Start: 28 @7114 has 224 MA's), (Start: 32 @7147 has 4 MA's), (34, 7153), (40, 7180), (42, 7195), (44, 7210), (46, 7222), (55, 7270), (57, 7279), (58, 7285), (70, 7333), (72, 7348), (82, 7399), (83, 7402), (88, 7426), (90, 7432), (93, 7474), (94, 7483),

Gene: Donovan_13 Start: 8288, Stop: 8725, Start Num: 30

Candidate Starts for Donovan_13:

(Start: 30 @8288 has 93 MA's), (37, 8354), (72, 8546), (73, 8549), (80, 8585), (87, 8618), (95, 8693), (96, 8699),

Gene: Doomphist_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Doomphist_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: Doomslug_12 Start: 6947, Stop: 7351, Start Num: 28

Candidate Starts for Doomslug_12:

(7, 6845), (Start: 28 @6947 has 224 MA's), (Start: 32 @6980 has 4 MA's), (Start: 33 @6983 has 1 MA's), (34, 6986), (Start: 38 @7004 has 1 MA's), (42, 7028), (44, 7043), (46, 7055), (57, 7112), (58, 7118), (70, 7166), (72, 7181), (73, 7184), (78, 7208), (88, 7259), (90, 7265), (94, 7316),

Gene: Dorothy_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Dorothy_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: DosHalletts_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for DosHalletts_11:

(Start: 28 @6948 has 224 MA's), (34, 6987), (Start: 38 @7005 has 1 MA's), (42, 7029), (44, 7044), (46, 7056), (47, 7059), (55, 7104), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (88, 7260), (90, 7266), (92, 7305), (93, 7308), (94, 7317),

Gene: DotProduct_10 Start: 7098, Stop: 7505, Start Num: 28

Candidate Starts for DotProduct_10:

(11, 7020), (13, 7029), (14, 7053), (Start: 28 @7098 has 224 MA's), (Start: 32 @7131 has 4 MA's), (34, 7137), (42, 7179), (44, 7194), (47, 7209), (51, 7227), (55, 7254), (57, 7263), (58, 7269), (68, 7305), (70, 7317), (72, 7332), (74, 7341), (76, 7347), (77, 7356), (79, 7362), (82, 7383), (84, 7389), (89, 7413), (90, 7416), (94, 7467),

Gene: Doug_10 Start: 7097, Stop: 7501, Start Num: 28

Candidate Starts for Doug_10:

(Start: 28 @7097 has 224 MA's), (34, 7136), (Start: 38 @7154 has 1 MA's), (42, 7178), (44, 7193), (46, 7205), (47, 7208), (55, 7253), (57, 7262), (58, 7268), (70, 7316), (72, 7331), (73, 7334), (88, 7409), (90, 7415), (92, 7454), (93, 7457), (94, 7466),

Gene: Dove_26 Start: 16655, Stop: 17071, Start Num: 30

Candidate Starts for Dove_26:

(Start: 30 @16655 has 93 MA's), (Start: 32 @16688 has 4 MA's), (41, 16724), (72, 16892), (97, 17036), (100, 17051),

Gene: DrDrey_18 Start: 10900, Stop: 11304, Start Num: 27

Candidate Starts for DrDrey_18:

(17, 10867), (22, 10888), (Start: 27 @10900 has 132 MA's), (59, 11071), (62, 11083), (72, 11140), (88, 11209), (99, 11290), (100, 11299),

Gene: Drago_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Drago_11:

(Start: 28 @6948 has 224 MA's), (Start: 32 @6981 has 4 MA's), (Start: 33 @6984 has 1 MA's), (34, 6987), (Start: 38 @7005 has 1 MA's), (42, 7029), (44, 7044), (46, 7056), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (73, 7185), (78, 7209), (88, 7260), (90, 7266), (92, 7305), (93, 7308), (94, 7317),

Gene: Duke13_25 Start: 16920, Stop: 17336, Start Num: 30

Candidate Starts for Duke13_25:

(Start: 30 @16920 has 93 MA's), (Start: 32 @16953 has 4 MA's), (41, 16989), (72, 17157), (97, 17301), (100, 17316),

Gene: Dumbo_17 Start: 9881, Stop: 10285, Start Num: 27

Candidate Starts for Dumbo_17:

(17, 9848), (22, 9869), (Start: 27 @9881 has 132 MA's), (59, 10052), (62, 10064), (72, 10121), (88, 10190), (99, 10271), (100, 10280),

Gene: Duplicity_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Duplicity_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Dusk_17 Start: 10607, Stop: 11011, Start Num: 27

Candidate Starts for Dusk_17:

(17, 10574), (22, 10595), (Start: 27 @10607 has 132 MA's), (59, 10778), (62, 10790), (72, 10847), (88, 10916), (99, 10997), (100, 11006),

Gene: Dylan_45 Start: 23090, Stop: 23542, Start Num: 15

Candidate Starts for Dylan_45:

(Start: 15 @23090 has 31 MA's), (Start: 33 @23183 has 1 MA's), (34, 23186), (Start: 38 @23204 has 1 MA's), (50, 23267), (56, 23309), (60, 23327), (63, 23339), (72, 23390), (73, 23393), (81, 23417), (87, 23438), (88, 23444),

Gene: Dynamo_13 Start: 8306, Stop: 8743, Start Num: 30

Candidate Starts for Dynamo_13:

(Start: 30 @8306 has 93 MA's), (72, 8564), (73, 8567), (80, 8603), (87, 8636), (95, 8711), (96, 8717),

Gene: EGUunicorn_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for EGUunicorn_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Easy2Say_18 Start: 11147, Stop: 11551, Start Num: 27

Candidate Starts for Easy2Say_18:

(17, 11114), (22, 11135), (Start: 27 @11147 has 132 MA's), (59, 11318), (62, 11330), (72, 11387), (88, 11456), (99, 11537), (100, 11546),

Gene: Eish_10 Start: 7085, Stop: 7489, Start Num: 28

Candidate Starts for Eish_10:

(11, 7007), (Start: 28 @7085 has 224 MA's), (Start: 32 @7118 has 4 MA's), (Start: 33 @7121 has 1 MA's), (34, 7124), (42, 7166), (44, 7181), (46, 7193), (57, 7250), (58, 7256), (70, 7304), (72, 7319), (73, 7322), (78, 7346), (88, 7397), (90, 7403), (93, 7445), (94, 7454),

Gene: Ejimix_29 Start: 18096, Stop: 18512, Start Num: 30

Candidate Starts for Ejimix_29:

(Start: 30 @18096 has 93 MA's), (Start: 32 @18129 has 4 MA's), (41, 18165), (72, 18333), (97, 18477), (100, 18492),

Gene: EleanorGeorge_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for EleanorGeorge_10:

(11, 7019), (13, 7028), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Elite2014_16 Start: 9624, Stop: 10028, Start Num: 27

Candidate Starts for Elite2014_16:

(17, 9591), (22, 9612), (Start: 27 @9624 has 132 MA's), (59, 9795), (62, 9807), (72, 9864), (88, 9933), (99, 10014), (100, 10023),

Gene: Elph10_18 Start: 9884, Stop: 10288, Start Num: 27

Candidate Starts for Elph10_18:

(17, 9851), (22, 9872), (Start: 27 @9884 has 132 MA's), (59, 10055), (62, 10067), (72, 10124), (88, 10193), (99, 10274), (100, 10283),

Gene: EmiMonkey_10 Start: 7112, Stop: 7516, Start Num: 28

Candidate Starts for EmiMonkey_10:

(Start: 28 @7112 has 224 MA's), (Start: 32 @7145 has 4 MA's), (Start: 33 @7148 has 1 MA's), (34, 7151), (Start: 38 @7169 has 1 MA's), (42, 7193), (44, 7208), (46, 7220), (55, 7268), (57, 7277), (58, 7283), (70, 7331), (72, 7346), (88, 7424), (90, 7430), (92, 7469), (93, 7472), (94, 7481),

Gene: Emma_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Emma_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Emmaloid_11 Start: 6949, Stop: 7353, Start Num: 28

Candidate Starts for Emmaloid_11:

(Start: 28 @6949 has 224 MA's), (Start: 32 @6982 has 4 MA's), (Start: 33 @6985 has 1 MA's), (34, 6988), (Start: 38 @7006 has 1 MA's), (42, 7030), (44, 7045), (46, 7057), (55, 7105), (57, 7114), (58, 7120), (70, 7168), (72, 7183), (88, 7261), (90, 7267), (92, 7306), (93, 7309), (94, 7318),

Gene: Emmina_17 Start: 9729, Stop: 10133, Start Num: 27

Candidate Starts for Emmina_17:

(17, 9696), (22, 9717), (Start: 27 @9729 has 132 MA's), (59, 9900), (62, 9912), (72, 9969), (88, 10038), (99, 10119), (100, 10128),

Gene: Empress_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Empress_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: Enby_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Enby_11:

(Start: 28 @6948 has 224 MA's), (Start: 32 @6981 has 4 MA's), (Start: 33 @6984 has 1 MA's), (34, 6987), (Start: 38 @7005 has 1 MA's), (42, 7029), (44, 7044), (46, 7056), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (73, 7185), (78, 7209), (88, 7260), (90, 7266), (92, 7305), (93, 7308), (94, 7317),

Gene: Enzomatic_11 Start: 7104, Stop: 7478, Start Num: 32

Candidate Starts for Enzomatic_11:

(11, 6993), (14, 7026), (Start: 28 @7071 has 224 MA's), (Start: 32 @7104 has 4 MA's), (34, 7110), (42, 7152), (44, 7167), (47, 7182), (51, 7200), (55, 7227), (57, 7236), (58, 7242), (68, 7278), (70, 7290), (72, 7305), (76, 7320), (77, 7329), (79, 7335), (82, 7356), (84, 7362), (89, 7386), (90, 7389), (94, 7440),

Gene: Eradicator_10 Start: 7096, Stop: 7500, Start Num: 28

Candidate Starts for Eradicator_10:

(Start: 28 @7096 has 224 MA's), (Start: 30 @7099 has 93 MA's), (Start: 32 @7129 has 4 MA's), (Start: 33 @7132 has 1 MA's), (34, 7135), (Start: 38 @7153 has 1 MA's), (42, 7177), (44, 7192), (46, 7204), (55, 7252), (57, 7261), (58, 7267), (70, 7315), (72, 7330), (88, 7408), (90, 7414), (92, 7453), (93, 7456), (94, 7465),

Gene: EricMillard_28 Start: 17632, Stop: 18048, Start Num: 30

Candidate Starts for EricMillard_28:

(Start: 30 @17632 has 93 MA's), (Start: 32 @17665 has 4 MA's), (41, 17701), (72, 17869), (97, 18013), (100, 18028),

Gene: Estave1_10 Start: 7133, Stop: 7501, Start Num: 33

Candidate Starts for Estave1_10:

(Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (Start: 33 @7133 has 1 MA's), (34, 7136), (Start: 38 @7154 has 1 MA's), (42, 7178), (44, 7193), (46, 7205), (47, 7208), (55, 7253), (57, 7262), (58, 7268), (70, 7316), (72, 7331), (73, 7334), (88, 7409), (90, 7415), (92, 7454), (93, 7457), (94, 7466),

Gene: Etoile_13 Start: 8306, Stop: 8743, Start Num: 30

Candidate Starts for Etoile_13:

(Start: 30 @8306 has 93 MA's), (72, 8564), (73, 8567), (80, 8603), (87, 8636), (95, 8711), (96, 8717),

Gene: Eureka_18 Start: 10927, Stop: 11331, Start Num: 27

Candidate Starts for Eureka_18:

(17, 10894), (22, 10915), (Start: 27 @10927 has 132 MA's), (59, 11098), (62, 11110), (72, 11167), (88, 11236), (99, 11317), (100, 11326),

Gene: FairyPath_18 Start: 11145, Stop: 11549, Start Num: 27

Candidate Starts for FairyPath_18:

(17, 11112), (22, 11133), (Start: 27 @11145 has 132 MA's), (59, 11316), (62, 11328), (72, 11385), (88, 11454), (99, 11535), (100, 11544),

Gene: Familton_47 Start: 23381, Stop: 23833, Start Num: 15

Candidate Starts for Familton_47:

(Start: 15 @23381 has 31 MA's), (Start: 33 @23474 has 1 MA's), (34, 23477), (Start: 38 @23495 has 1 MA's), (50, 23558), (56, 23600), (60, 23618), (63, 23630), (72, 23681), (73, 23684), (81, 23708), (87,

23729), (88, 23735),

Gene: Fancypants_10 Start: 7099, Stop: 7503, Start Num: 28

Candidate Starts for Fancypants_10:

(Start: 28 @7099 has 224 MA's), (34, 7138), (42, 7180), (44, 7195), (46, 7207), (57, 7264), (58, 7270), (70, 7318), (72, 7333), (73, 7336), (78, 7360), (88, 7411), (90, 7417), (93, 7459), (94, 7468),

Gene: Fastidio_10 Start: 7098, Stop: 7502, Start Num: 28

Candidate Starts for Fastidio_10:

(Start: 28 @7098 has 224 MA's), (Start: 32 @7131 has 4 MA's), (Start: 33 @7134 has 1 MA's), (34, 7137), (Start: 38 @7155 has 1 MA's), (42, 7179), (44, 7194), (46, 7206), (55, 7254), (57, 7263), (58, 7269), (70, 7317), (72, 7332), (82, 7383), (83, 7386), (88, 7410), (90, 7416), (92, 7455), (93, 7458), (94, 7467),

Gene: Filch_18 Start: 10169, Stop: 10573, Start Num: 27

Candidate Starts for Filch_18:

(17, 10136), (22, 10157), (Start: 27 @10169 has 132 MA's), (59, 10340), (62, 10352), (72, 10409), (88, 10478), (99, 10559), (100, 10568),

Gene: FireRed_17 Start: 10457, Stop: 10861, Start Num: 27

Candidate Starts for FireRed_17:

(17, 10424), (22, 10445), (Start: 27 @10457 has 132 MA's), (59, 10628), (62, 10640), (72, 10697), (88, 10766), (99, 10847), (100, 10856),

Gene: Firecracker_46 Start: 22988, Stop: 23440, Start Num: 15

Candidate Starts for Firecracker_46:

(Start: 15 @22988 has 31 MA's), (Start: 33 @23081 has 1 MA's), (34, 23084), (36, 23093), (Start: 38 @23102 has 1 MA's), (50, 23165), (56, 23207), (60, 23225), (63, 23237), (72, 23288), (73, 23291), (81, 23315), (87, 23336), (88, 23342),

Gene: Firehouse51_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Firehouse51_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: FirstPlacePfu_13 Start: 8306, Stop: 8743, Start Num: 30

Candidate Starts for FirstPlacePfu_13:

(Start: 30 @8306 has 93 MA's), (72, 8564), (73, 8567), (80, 8603), (87, 8636), (95, 8711), (96, 8717),

Gene: Fishburne_13 Start: 8306, Stop: 8743, Start Num: 30

Candidate Starts for Fishburne_13:

(Start: 30 @8306 has 93 MA's), (72, 8564), (73, 8567), (80, 8603), (87, 8636), (95, 8711), (96, 8717),

Gene: Flathead_11 Start: 6947, Stop: 7351, Start Num: 28

Candidate Starts for Flathead_11:

(7, 6845), (Start: 28 @6947 has 224 MA's), (Start: 32 @6980 has 4 MA's), (Start: 33 @6983 has 1 MA's), (34, 6986), (Start: 38 @7004 has 1 MA's), (42, 7028), (44, 7043), (46, 7055), (57, 7112), (58, 7118), (70, 7166), (72, 7181), (73, 7184), (78, 7208), (88, 7259), (90, 7265), (94, 7316),

Gene: Florinda_10 Start: 7115, Stop: 7519, Start Num: 28

Candidate Starts for Florinda_10:

(Start: 28 @7115 has 224 MA's), (Start: 32 @7148 has 4 MA's), (Start: 33 @7151 has 1 MA's), (34, 7154), (Start: 38 @7172 has 1 MA's), (42, 7196), (44, 7211), (46, 7223), (57, 7280), (58, 7286), (70, 7334), (72, 7349), (73, 7352), (78, 7376), (88, 7427), (90, 7433), (94, 7484),

Gene: Flypotenuse_16 Start: 10564, Stop: 10968, Start Num: 27

Candidate Starts for Flypotenuse_16:

(17, 10531), (22, 10552), (Start: 27 @10564 has 132 MA's), (59, 10735), (62, 10747), (72, 10804), (88, 10873), (99, 10954), (100, 10963),

Gene: FoghornLeghorn_17 Start: 10452, Stop: 10856, Start Num: 27

Candidate Starts for FoghornLeghorn_17:

(17, 10419), (22, 10440), (Start: 27 @10452 has 132 MA's), (59, 10623), (62, 10635), (72, 10692), (88, 10761), (99, 10842), (100, 10851),

Gene: FoulBall_46 Start: 23375, Stop: 23827, Start Num: 15

Candidate Starts for FoulBall_46:

(9, 23333), (Start: 15 @23375 has 31 MA's), (Start: 33 @23468 has 1 MA's), (34, 23471), (Start: 38 @23489 has 1 MA's), (50, 23552), (56, 23594), (60, 23612), (63, 23624), (72, 23675), (73, 23678), (81, 23702), (87, 23723), (88, 23729),

Gene: Frankie_11 Start: 7141, Stop: 7545, Start Num: 28

Candidate Starts for Frankie_11:

(Start: 28 @7141 has 224 MA's), (Start: 32 @7174 has 4 MA's), (Start: 33 @7177 has 1 MA's), (34, 7180), (Start: 38 @7198 has 1 MA's), (42, 7222), (44, 7237), (46, 7249), (47, 7252), (55, 7297), (57, 7306), (58, 7312), (70, 7360), (72, 7375), (88, 7453), (90, 7459), (93, 7501), (94, 7510),

Gene: FreddyB_10 Start: 7099, Stop: 7500, Start Num: 30

Candidate Starts for FreddyB_10:

(Start: 28 @7096 has 224 MA's), (Start: 30 @7099 has 93 MA's), (Start: 32 @7129 has 4 MA's), (Start: 33 @7132 has 1 MA's), (34, 7135), (Start: 38 @7153 has 1 MA's), (42, 7177), (44, 7192), (46, 7204), (55, 7252), (57, 7261), (58, 7267), (70, 7315), (72, 7330), (88, 7408), (90, 7414), (92, 7453), (93, 7456), (94, 7465),

Gene: Fruitloop_10 Start: 7131, Stop: 7505, Start Num: 32

Candidate Starts for Fruitloop_10:

(11, 7020), (14, 7053), (Start: 28 @7098 has 224 MA's), (Start: 32 @7131 has 4 MA's), (34, 7137), (42, 7179), (44, 7194), (47, 7209), (51, 7227), (55, 7254), (57, 7263), (58, 7269), (68, 7305), (70, 7317), (72, 7332), (76, 7347), (77, 7356), (79, 7362), (82, 7383), (84, 7389), (89, 7413), (90, 7416), (94, 7467),

Gene: Fulbright_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Fulbright_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: GUmbie_10 Start: 7112, Stop: 7516, Start Num: 28

Candidate Starts for GUmbie_10:

(Start: 28 @7112 has 224 MA's), (Start: 32 @7145 has 4 MA's), (Start: 33 @7148 has 1 MA's), (34, 7151), (42, 7193), (44, 7208), (46, 7220), (57, 7277), (58, 7283), (70, 7331), (72, 7346), (78, 7373), (90, 7430), (93, 7472), (94, 7481),

Gene: Gage_19 Start: 10404, Stop: 10808, Start Num: 27

Candidate Starts for Gage_19:

(17, 10371), (22, 10392), (Start: 27 @10404 has 132 MA's), (59, 10575), (62, 10587), (72, 10644), (88, 10713), (99, 10794), (100, 10803),

Gene: Galactic_10 Start: 7071, Stop: 7478, Start Num: 28

Candidate Starts for Galactic_10:

(11, 6993), (14, 7026), (Start: 28 @7071 has 224 MA's), (Start: 32 @7104 has 4 MA's), (34, 7110), (42, 7152), (44, 7167), (47, 7182), (51, 7200), (55, 7227), (57, 7236), (58, 7242), (68, 7278), (70, 7290), (72, 7305), (76, 7320), (77, 7329), (79, 7335), (82, 7356), (84, 7362), (89, 7386), (90, 7389), (94, 7440),

Gene: GaloreK_13 Start: 8294, Stop: 8731, Start Num: 30

Candidate Starts for GaloreK_13:

(Start: 30 @8294 has 93 MA's), (37, 8360), (72, 8552), (73, 8555), (80, 8591), (87, 8624), (95, 8699), (96, 8705),

Gene: Gandolph_10 Start: 7112, Stop: 7516, Start Num: 28

Candidate Starts for Gandolph_10:

(Start: 28 @7112 has 224 MA's), (34, 7151), (Start: 38 @7169 has 1 MA's), (42, 7193), (44, 7208), (46, 7220), (55, 7268), (57, 7277), (58, 7283), (70, 7331), (72, 7346), (88, 7424), (90, 7430), (92, 7469), (93, 7472), (94, 7481),

Gene: Gator_16 Start: 10563, Stop: 10967, Start Num: 27

Candidate Starts for Gator_16:

(17, 10530), (22, 10551), (Start: 27 @10563 has 132 MA's), (59, 10734), (62, 10746), (72, 10803), (88, 10872), (99, 10953), (100, 10962),

Gene: Gavriela_13 Start: 8309, Stop: 8746, Start Num: 30

Candidate Starts for Gavriela_13:

(10, 8228), (Start: 30 @8309 has 93 MA's), (37, 8375), (72, 8567), (73, 8570), (80, 8606), (87, 8639), (95, 8714), (96, 8720),

Gene: Gemini_19 Start: 10404, Stop: 10808, Start Num: 27

Candidate Starts for Gemini_19:

(17, 10371), (22, 10392), (Start: 27 @10404 has 132 MA's), (59, 10575), (62, 10587), (72, 10644), (88, 10713), (99, 10794), (100, 10803),

Gene: Geralt_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Geralt_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: Gex_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Gex_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: GigiOuiOui_10 Start: 7112, Stop: 7516, Start Num: 28

Candidate Starts for GigiOuiOui_10:

(Start: 28 @7112 has 224 MA's), (Start: 32 @7145 has 4 MA's), (Start: 33 @7148 has 1 MA's), (34, 7151), (Start: 38 @7169 has 1 MA's), (42, 7193), (44, 7208), (46, 7220), (55, 7268), (57, 7277), (58, 7283), (70, 7331), (72, 7346), (88, 7424), (90, 7430), (92, 7469), (93, 7472), (94, 7481),

Gene: Girafales_11 Start: 6943, Stop: 7347, Start Num: 28

Candidate Starts for Girafales_11:

(Start: 28 @6943 has 224 MA's), (34, 6982), (42, 7024), (44, 7039), (46, 7051), (57, 7108), (58, 7114), (70, 7162), (72, 7177), (78, 7204), (88, 7255), (90, 7261), (93, 7303), (94, 7312),

Gene: Girr_10 Start: 7101, Stop: 7505, Start Num: 28

Candidate Starts for Girr_10:

(Start: 28 @7101 has 224 MA's), (Start: 32 @7134 has 4 MA's), (Start: 33 @7137 has 1 MA's), (34, 7140), (42, 7182), (44, 7197), (46, 7209), (57, 7266), (58, 7272), (70, 7320), (72, 7335), (73, 7338), (78, 7362), (88, 7413), (90, 7419), (93, 7461), (94, 7470),

Gene: Glaske_13 Start: 8309, Stop: 8746, Start Num: 30

Candidate Starts for Glaske_13:

(10, 8228), (Start: 30 @8309 has 93 MA's), (37, 8375), (72, 8567), (73, 8570), (80, 8606), (87, 8639), (95, 8714), (96, 8720),

Gene: Glexan_16 Start: 10564, Stop: 10968, Start Num: 27

Candidate Starts for Glexan_16:

(17, 10531), (22, 10552), (Start: 27 @10564 has 132 MA's), (59, 10735), (62, 10747), (72, 10804), (88, 10873), (99, 10954), (100, 10963),

Gene: Goku_18 Start: 10656, Stop: 11060, Start Num: 27

Candidate Starts for Goku_18:

(17, 10623), (22, 10644), (Start: 27 @10656 has 132 MA's), (59, 10827), (62, 10839), (72, 10896), (88, 10965), (99, 11046), (100, 11055),

Gene: GoldenSpark_19 Start: 10404, Stop: 10808, Start Num: 27

Candidate Starts for GoldenSpark_19:

(17, 10371), (22, 10392), (Start: 27 @10404 has 132 MA's), (59, 10575), (62, 10587), (72, 10644), (88, 10713), (99, 10794), (100, 10803),

Gene: Goldilocks_19 Start: 10358, Stop: 10762, Start Num: 27

Candidate Starts for Goldilocks_19:

(17, 10325), (22, 10346), (Start: 27 @10358 has 132 MA's), (59, 10529), (62, 10541), (72, 10598), (88, 10667), (99, 10748), (100, 10757),

Gene: Gonephishing_24 Start: 15459, Stop: 15881, Start Num: 30

Candidate Starts for Gonephishing_24:

(Start: 30 @15459 has 93 MA's), (31, 15486), (40, 15525), (61, 15639), (66, 15663), (67, 15666), (72, 15699), (81, 15735), (97, 15846), (100, 15861),

Gene: GooberAzure_19 Start: 10404, Stop: 10808, Start Num: 27

Candidate Starts for GooberAzure_19:

(17, 10371), (22, 10392), (Start: 27 @10404 has 132 MA's), (59, 10575), (62, 10587), (72, 10644), (88, 10713), (99, 10794), (100, 10803),

Gene: Gorge_10 Start: 7084, Stop: 7488, Start Num: 28

Candidate Starts for Gorge_10:

(Start: 28 @7084 has 224 MA's), (Start: 30 @7087 has 93 MA's), (Start: 32 @7117 has 4 MA's), (Start: 33 @7120 has 1 MA's), (34, 7123), (Start: 38 @7141 has 1 MA's), (42, 7165), (44, 7180), (46, 7192), (55, 7240), (57, 7249), (58, 7255), (70, 7303), (72, 7318), (88, 7396), (90, 7402), (92, 7441), (93, 7444), (94, 7453),

Gene: GreaseLightnin_13 Start: 8306, Stop: 8743, Start Num: 30

Candidate Starts for GreaseLightnin_13:

(Start: 30 @8306 has 93 MA's), (72, 8564), (73, 8567), (80, 8603), (87, 8636), (95, 8711), (96, 8717),

Gene: Greep_18 Start: 10734, Stop: 11138, Start Num: 27

Candidate Starts for Greep_18:

(17, 10701), (22, 10722), (Start: 27 @10734 has 132 MA's), (59, 10905), (62, 10917), (72, 10974), (88, 11043), (99, 11124), (100, 11133),

Gene: Grimmer_11 Start: 7750, Stop: 8154, Start Num: 28

Candidate Starts for Grimmer_11:

(Start: 28 @7750 has 224 MA's), (34, 7789), (42, 7831), (44, 7846), (46, 7858), (57, 7915), (58, 7921), (70, 7969), (72, 7984), (73, 7987), (78, 8011), (90, 8068), (93, 8110), (94, 8119),

Gene: Guppsters_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Guppsters_10:

(11, 7019), (13, 7028), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (74, 7340), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: HC_12 Start: 8354, Stop: 8773, Start Num: 24

Candidate Starts for HC_12:

(Start: 24 @8354 has 11 MA's), (36, 8411), (39, 8423), (56, 8528), (72, 8600), (88, 8675), (91, 8696), (93, 8720),

Gene: HUHilltop_13 Start: 8306, Stop: 8743, Start Num: 30

Candidate Starts for HUHilltop_13:

(Start: 30 @8306 has 93 MA's), (72, 8564), (73, 8567), (80, 8603), (87, 8636), (95, 8711), (96, 8717),

Gene: Hades_10 Start: 7098, Stop: 7502, Start Num: 28

Candidate Starts for Hades_10:

(Start: 28 @7098 has 224 MA's), (Start: 32 @7131 has 4 MA's), (Start: 33 @7134 has 1 MA's), (34, 7137), (42, 7179), (44, 7194), (46, 7206), (57, 7263), (58, 7269), (70, 7317), (72, 7332), (73, 7335), (78, 7359), (88, 7410), (90, 7416), (93, 7458), (94, 7467),

Gene: Halley_28 Start: 17345, Stop: 17761, Start Num: 30

Candidate Starts for Halley_28:

(Start: 30 @17345 has 93 MA's), (Start: 32 @17378 has 4 MA's), (41, 17414), (72, 17582), (97, 17726), (100, 17741),

Gene: Hamulus_10 Start: 7098, Stop: 7505, Start Num: 28

Candidate Starts for Hamulus_10:

(11, 7020), (14, 7053), (Start: 28 @7098 has 224 MA's), (Start: 32 @7131 has 4 MA's), (34, 7137), (42, 7179), (44, 7194), (47, 7209), (51, 7227), (55, 7254), (57, 7263), (58, 7269), (68, 7305), (70, 7317), (72, 7332), (76, 7347), (77, 7356), (79, 7362), (82, 7383), (84, 7389), (89, 7413), (90, 7416), (94, 7467),

Gene: HanKaySha_18 Start: 10159, Stop: 10563, Start Num: 27

Candidate Starts for HanKaySha_18:

(17, 10126), (22, 10147), (Start: 27 @10159 has 132 MA's), (59, 10330), (62, 10342), (72, 10399), (88, 10468), (99, 10549), (100, 10558),

Gene: Hanako_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for Hanako_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: Hannaconda_23 Start: 13966, Stop: 14388, Start Num: 30

Candidate Starts for Hannaconda_23:

(Start: 30 @13966 has 93 MA's), (31, 13993), (40, 14032), (61, 14146), (66, 14170), (67, 14173), (72, 14206), (81, 14242), (97, 14353), (100, 14368),

Gene: Harella_16 Start: 10564, Stop: 10968, Start Num: 27

Candidate Starts for Harella_16:

(17, 10531), (22, 10552), (Start: 27 @10564 has 132 MA's), (59, 10735), (62, 10747), (72, 10804), (88, 10873), (99, 10954), (100, 10963),

Gene: Harley_10 Start: 7085, Stop: 7489, Start Num: 28

Candidate Starts for Harley_10:

(11, 7007), (Start: 28 @7085 has 224 MA's), (Start: 32 @7118 has 4 MA's), (Start: 33 @7121 has 1 MA's), (34, 7124), (42, 7166), (44, 7181), (46, 7193), (57, 7250), (58, 7256), (70, 7304), (72, 7319), (73, 7322), (78, 7346), (88, 7397), (90, 7403), (93, 7445), (94, 7454),

Gene: Hegedechwinu_11 Start: 6947, Stop: 7351, Start Num: 28

Candidate Starts for Hegedechwinu_11:

(7, 6845), (Start: 28 @6947 has 224 MA's), (Start: 32 @6980 has 4 MA's), (Start: 33 @6983 has 1 MA's), (34, 6986), (Start: 38 @7004 has 1 MA's), (42, 7028), (44, 7043), (46, 7055), (57, 7112), (58, 7118), (70, 7166), (72, 7181), (73, 7184), (78, 7208), (88, 7259), (90, 7265), (94, 7316),

Gene: Henry_18 Start: 10947, Stop: 11351, Start Num: 27

Candidate Starts for Henry_18:

(17, 10914), (22, 10935), (Start: 27 @10947 has 132 MA's), (59, 11118), (62, 11130), (72, 11187), (88, 11256), (99, 11337), (100, 11346),

Gene: Hidrated_30 Start: 18791, Stop: 19207, Start Num: 30

Candidate Starts for Hidrated_30:

(Start: 30 @18791 has 93 MA's), (Start: 32 @18824 has 4 MA's), (41, 18860), (72, 19028), (97, 19172), (100, 19187),

Gene: Highbury_18 Start: 10078, Stop: 10482, Start Num: 27

Candidate Starts for Highbury_18:

(17, 10045), (22, 10066), (Start: 27 @10078 has 132 MA's), (59, 10249), (62, 10261), (72, 10318), (88, 10387), (99, 10468), (100, 10477),

Gene: Hlubikazi_10 Start: 7085, Stop: 7489, Start Num: 28

Candidate Starts for Hlubikazi_10:

(Start: 28 @7085 has 224 MA's), (Start: 32 @7118 has 4 MA's), (Start: 33 @7121 has 1 MA's), (34, 7124), (Start: 38 @7142 has 1 MA's), (42, 7166), (44, 7181), (46, 7193), (57, 7250), (58, 7256), (70, 7304), (72, 7319), (78, 7346), (88, 7397), (90, 7403), (93, 7445), (94, 7454),

Gene: HokkenD_23 Start: 16915, Stop: 17331, Start Num: 30

Candidate Starts for HokkenD_23:

(Start: 30 @16915 has 93 MA's), (Start: 32 @16948 has 4 MA's), (41, 16984), (72, 17152), (97, 17296), (100, 17311),

Gene: Holt_19 Start: 10231, Stop: 10635, Start Num: 27

Candidate Starts for Holt_19:

(17, 10198), (22, 10219), (Start: 27 @10231 has 132 MA's), (59, 10402), (62, 10414), (72, 10471), (88, 10540), (99, 10621), (100, 10630),

Gene: Hoonter_19 Start: 10404, Stop: 10808, Start Num: 27

Candidate Starts for Hoonter_19:

(17, 10371), (22, 10392), (Start: 27 @10404 has 132 MA's), (59, 10575), (62, 10587), (72, 10644), (88, 10713), (99, 10794), (100, 10803),

Gene: Hopey_18 Start: 10169, Stop: 10573, Start Num: 27

Candidate Starts for Hopey_18:

(17, 10136), (22, 10157), (Start: 27 @10169 has 132 MA's), (59, 10340), (62, 10352), (72, 10409), (88, 10478), (99, 10559), (100, 10568),

Gene: HufflyPuff_16 Start: 10413, Stop: 10817, Start Num: 27

Candidate Starts for HufflyPuff_16:

(17, 10380), (22, 10401), (Start: 27 @10413 has 132 MA's), (59, 10584), (62, 10596), (72, 10653), (88, 10722), (99, 10803), (100, 10812),

Gene: Hughesyang_27 Start: 17528, Stop: 17944, Start Num: 30

Candidate Starts for Hughesyang_27:

(Start: 30 @17528 has 93 MA's), (Start: 32 @17561 has 4 MA's), (41, 17597), (72, 17765), (97, 17909), (100, 17924),

Gene: IHOP_17 Start: 10607, Stop: 11011, Start Num: 27

Candidate Starts for IHOP_17:

(17, 10574), (22, 10595), (Start: 27 @10607 has 132 MA's), (59, 10778), (62, 10790), (72, 10847), (88, 10916), (99, 10997), (100, 11006),

Gene: IMpilo_10 Start: 7085, Stop: 7492, Start Num: 28

Candidate Starts for IMpilo_10:

(11, 7007), (14, 7040), (Start: 28 @7085 has 224 MA's), (Start: 32 @7118 has 4 MA's), (34, 7124), (42, 7166), (44, 7181), (47, 7196), (51, 7214), (55, 7241), (57, 7250), (58, 7256), (68, 7292), (70, 7304), (72, 7319), (74, 7328), (76, 7334), (77, 7343), (79, 7349), (82, 7370), (84, 7376), (89, 7400), (90, 7403), (94, 7454),

Gene: IbOuu_10 Start: 7094, Stop: 7498, Start Num: 28

Candidate Starts for IbOuu_10:

(Start: 28 @7094 has 224 MA's), (34, 7133), (Start: 38 @7151 has 1 MA's), (42, 7175), (44, 7190), (46, 7202), (47, 7205), (55, 7250), (57, 7259), (58, 7265), (70, 7313), (72, 7328), (88, 7406), (90, 7412), (92, 7451), (93, 7454), (94, 7463),

Gene: Icee_17 Start: 10607, Stop: 11011, Start Num: 27

Candidate Starts for Icee_17:

(17, 10574), (22, 10595), (Start: 27 @10607 has 132 MA's), (59, 10778), (62, 10790), (72, 10847), (88, 10916), (99, 10997), (100, 11006),

Gene: Idergollasper_46 Start: 23375, Stop: 23827, Start Num: 15

Candidate Starts for Idergollasper_46:

(9, 23333), (Start: 15 @23375 has 31 MA's), (Start: 33 @23468 has 1 MA's), (34, 23471), (Start: 38 @23489 has 1 MA's), (50, 23552), (56, 23594), (60, 23612), (63, 23624), (72, 23675), (73, 23678), (81, 23702), (87, 23723), (88, 23729),

Gene: Imara_44 Start: 23184, Stop: 23636, Start Num: 15

Candidate Starts for Imara_44:

(Start: 15 @23184 has 31 MA's), (Start: 33 @23277 has 1 MA's), (34, 23280), (Start: 38 @23298 has 1 MA's), (50, 23361), (56, 23403), (60, 23421), (63, 23433), (72, 23484), (73, 23487), (81, 23511), (87,

23532), (88, 23538),

Gene: Impisi_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for Impisi_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: Inca_17 Start: 9627, Stop: 10031, Start Num: 27

Candidate Starts for Inca_17:

(17, 9594), (22, 9615), (Start: 27 @9627 has 132 MA's), (59, 9798), (62, 9810), (72, 9867), (88, 9936), (99, 10017), (100, 10026),

Gene: Inventum_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Inventum_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: IrishSherpFalk_10 Start: 7083, Stop: 7490, Start Num: 28

Candidate Starts for IrishSherpFalk_10:

(11, 7005), (Start: 28 @7083 has 224 MA's), (Start: 32 @7116 has 4 MA's), (34, 7122), (42, 7164), (44, 7179), (47, 7194), (51, 7212), (55, 7239), (57, 7248), (58, 7254), (68, 7290), (70, 7302), (72, 7317), (74, 7326), (76, 7332), (77, 7341), (79, 7347), (82, 7368), (84, 7374), (89, 7398), (90, 7401), (94, 7452),

Gene: Island3_12 Start: 8355, Stop: 8774, Start Num: 24

Candidate Starts for Island3_12:

(Start: 24 @8355 has 11 MA's), (36, 8412), (39, 8424), (56, 8529), (72, 8601), (73, 8604), (88, 8676), (91, 8697), (93, 8721),

Gene: JalFarm20_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for JalFarm20_11:

(Start: 28 @6948 has 224 MA's), (34, 6987), (Start: 38 @7005 has 1 MA's), (42, 7029), (44, 7044), (46, 7056), (47, 7059), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (73, 7185), (78, 7209), (88, 7260), (90, 7266), (93, 7308), (94, 7317),

Gene: Jamie19_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for Jamie19_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: JangDynasty_46 Start: 23470, Stop: 23922, Start Num: 15

Candidate Starts for JangDynasty_46:

(Start: 15 @23470 has 31 MA's), (Start: 33 @23563 has 1 MA's), (34, 23566), (Start: 38 @23584 has 1 MA's), (50, 23647), (56, 23689), (60, 23707), (63, 23719), (72, 23770), (73, 23773), (81, 23797), (87, 23818), (88, 23824),

Gene: Jant_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Jant_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Jacob_10 Start: 7096, Stop: 7500, Start Num: 28

Candidate Starts for Jacob_10:

(Start: 28 @7096 has 224 MA's), (Start: 32 @7129 has 4 MA's), (Start: 33 @7132 has 1 MA's), (34, 7135), (Start: 38 @7153 has 1 MA's), (42, 7177), (44, 7192), (46, 7204), (55, 7252), (57, 7261), (58, 7267), (70, 7315), (72, 7330), (82, 7381), (83, 7384), (88, 7408), (90, 7414), (92, 7453), (93, 7456), (94, 7465),

Gene: JeTaime_19 Start: 11209, Stop: 11613, Start Num: 27

Candidate Starts for JeTaime_19:

(17, 11176), (22, 11197), (Start: 27 @11209 has 132 MA's), (59, 11380), (62, 11392), (72, 11449), (88, 11518), (99, 11599), (100, 11608),

Gene: Jebeks_13 Start: 8287, Stop: 8724, Start Num: 30

Candidate Starts for Jebeks_13:

(Start: 30 @8287 has 93 MA's), (37, 8353), (72, 8545), (73, 8548), (80, 8584), (87, 8617), (95, 8692), (96, 8698),

Gene: Jennelsea_10 Start: 7083, Stop: 7487, Start Num: 28

Candidate Starts for Jennelsea_10:

(Start: 28 @7083 has 224 MA's), (Start: 30 @7086 has 93 MA's), (Start: 32 @7116 has 4 MA's), (Start: 33 @7119 has 1 MA's), (34, 7122), (Start: 38 @7140 has 1 MA's), (42, 7164), (44, 7179), (46, 7191), (55, 7239), (57, 7248), (58, 7254), (70, 7302), (72, 7317), (88, 7395), (90, 7401), (92, 7440), (93, 7443), (94, 7452),

Gene: Jinglebell_10 Start: 7094, Stop: 7498, Start Num: 28

Candidate Starts for Jinglebell_10:

(Start: 28 @7094 has 224 MA's), (34, 7133), (Start: 38 @7151 has 1 MA's), (42, 7175), (44, 7190), (46, 7202), (47, 7205), (57, 7259), (58, 7265), (70, 7313), (72, 7328), (73, 7331), (78, 7355), (88, 7406), (90, 7412), (93, 7454), (94, 7463),

Gene: Job42_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Job42_11:

(Start: 28 @6948 has 224 MA's), (34, 6987), (Start: 38 @7005 has 1 MA's), (42, 7029), (44, 7044), (46, 7056), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (88, 7260), (90, 7266), (92, 7305), (93, 7308), (94, 7317),

Gene: JoeyJr_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for JoeyJr_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: Journey_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Journey_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Juice456_11 Start: 6949, Stop: 7353, Start Num: 28

Candidate Starts for Juice456_11:

(Start: 28 @6949 has 224 MA's), (34, 6988), (42, 7030), (44, 7045), (46, 7057), (47, 7060), (57, 7114), (58, 7120), (70, 7168), (72, 7183), (78, 7210), (88, 7261), (90, 7267), (92, 7306), (93, 7309), (94, 7318),

Gene: JuicyJay_30 Start: 18179, Stop: 18595, Start Num: 30

Candidate Starts for JuicyJay_30:

(Start: 30 @18179 has 93 MA's), (Start: 32 @18212 has 4 MA's), (41, 18248), (72, 18416), (97, 18560), (100, 18575),

Gene: Jung_13 Start: 8333, Stop: 8770, Start Num: 30

Candidate Starts for Jung_13:

(10, 8252), (Start: 30 @8333 has 93 MA's), (72, 8591), (73, 8594), (87, 8663), (95, 8738), (96, 8744),

Gene: Juniormint_13 Start: 8326, Stop: 8763, Start Num: 30

Candidate Starts for Juniormint_13:

(10, 8245), (Start: 30 @8326 has 93 MA's), (37, 8392), (72, 8584), (73, 8587), (80, 8623), (87, 8656), (95, 8731), (96, 8737),

Gene: Juniper1_10 Start: 7087, Stop: 7491, Start Num: 28

Candidate Starts for Juniper1_10:

(Start: 28 @7087 has 224 MA's), (34, 7126), (Start: 38 @7144 has 1 MA's), (42, 7168), (44, 7183), (46, 7195), (57, 7252), (58, 7258), (70, 7306), (72, 7321), (73, 7324), (78, 7348), (88, 7399), (90, 7405), (93, 7447), (94, 7456),

Gene: Kalah2_29 Start: 17947, Stop: 18363, Start Num: 30

Candidate Starts for Kalah2_29:

(Start: 30 @17947 has 93 MA's), (Start: 32 @17980 has 4 MA's), (41, 18016), (72, 18184), (97, 18328), (100, 18343),

Gene: Kanye_19 Start: 11397, Stop: 11801, Start Num: 27

Candidate Starts for Kanye_19:

(17, 11364), (22, 11385), (Start: 27 @11397 has 132 MA's), (59, 11568), (62, 11580), (72, 11637), (88, 11706), (99, 11787), (100, 11796),

Gene: Karhdo_10 Start: 7099, Stop: 7503, Start Num: 28

Candidate Starts for Karhdo_10:

(Start: 28 @7099 has 224 MA's), (Start: 32 @7132 has 4 MA's), (Start: 33 @7135 has 1 MA's), (34, 7138), (42, 7180), (44, 7195), (46, 7207), (57, 7264), (58, 7270), (70, 7318), (72, 7333), (78, 7360), (90, 7417), (93, 7459), (94, 7468),

Gene: Kari_13 Start: 8306, Stop: 8743, Start Num: 30

Candidate Starts for Kari_13:

(Start: 30 @8306 has 93 MA's), (72, 8564), (73, 8567), (80, 8603), (87, 8636), (95, 8711), (96, 8717),

Gene: KashFlow_20 Start: 13532, Stop: 13954, Start Num: 30

Candidate Starts for KashFlow_20:

(Start: 30 @13532 has 93 MA's), (31, 13559), (40, 13598), (61, 13712), (66, 13736), (67, 13739), (72, 13772), (81, 13808), (97, 13919), (100, 13934),

Gene: Kenuha5_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Kenuha5_10:

(11, 7019), (13, 7028), (14, 7052), (Start: 28 @7097 has 224 MA's), (34, 7136), (44, 7193), (47, 7208), (51, 7226), (53, 7232), (54, 7241), (55, 7253), (57, 7262), (58, 7268), (65, 7292), (70, 7316), (72, 7331), (74, 7340), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (90, 7415), (94, 7466),

Gene: Kersh_10 Start: 7088, Stop: 7492, Start Num: 28

Candidate Starts for Kersh_10:

(Start: 28 @7088 has 224 MA's), (34, 7127), (42, 7169), (44, 7184), (46, 7196), (57, 7253), (58, 7259), (70, 7307), (72, 7322), (75, 7334), (78, 7349), (88, 7400), (90, 7406), (93, 7448), (94, 7457),

Gene: Kevin1_12 Start: 7363, Stop: 7782, Start Num: 18

Candidate Starts for Kevin1_12:

(2, 7192), (Start: 18 @7363 has 46 MA's), (Start: 33 @7408 has 1 MA's), (57, 7534), (72, 7612), (84, 7666), (87, 7681),

Gene: KilKor_13 Start: 8309, Stop: 8746, Start Num: 30

Candidate Starts for KilKor_13:

(10, 8228), (Start: 30 @8309 has 93 MA's), (37, 8375), (72, 8567), (73, 8570), (80, 8606), (87, 8639), (95, 8714), (96, 8720),

Gene: Kimberlium_11 Start: 6949, Stop: 7353, Start Num: 28

Candidate Starts for Kimberlium_11:

(Start: 28 @6949 has 224 MA's), (34, 6988), (42, 7030), (44, 7045), (46, 7057), (47, 7060), (57, 7114), (58, 7120), (70, 7168), (72, 7183), (78, 7210), (88, 7261), (90, 7267), (92, 7306), (93, 7309), (94, 7318),

Gene: Kimchi_19 Start: 10404, Stop: 10808, Start Num: 27

Candidate Starts for Kimchi_19:

(17, 10371), (22, 10392), (Start: 27 @10404 has 132 MA's), (59, 10575), (62, 10587), (72, 10644), (88, 10713), (99, 10794), (100, 10803),

Gene: KingJulian_10 Start: 7098, Stop: 7505, Start Num: 28

Candidate Starts for KingJulian_10:

(11, 7020), (14, 7053), (Start: 28 @7098 has 224 MA's), (Start: 32 @7131 has 4 MA's), (34, 7137), (42, 7179), (44, 7194), (47, 7209), (51, 7227), (55, 7254), (57, 7263), (58, 7269), (68, 7305), (70, 7317), (72, 7332), (76, 7347), (77, 7356), (79, 7362), (82, 7383), (84, 7389), (89, 7413), (90, 7416), (94, 7467),

Gene: KingPhillip3_46 Start: 23375, Stop: 23827, Start Num: 15

Candidate Starts for KingPhillip3_46:

(9, 23333), (Start: 15 @23375 has 31 MA's), (Start: 33 @23468 has 1 MA's), (34, 23471), (Start: 38 @23489 has 1 MA's), (50, 23552), (56, 23594), (60, 23612), (63, 23624), (72, 23675), (73, 23678), (81, 23702), (87, 23723), (88, 23729),

Gene: Kingsley_11 Start: 6947, Stop: 7351, Start Num: 28

Candidate Starts for Kingsley_11:

(Start: 28 @6947 has 224 MA's), (34, 6986), (42, 7028), (44, 7043), (46, 7055), (57, 7112), (58, 7118), (70, 7166), (72, 7181), (73, 7184), (78, 7208), (82, 7232), (83, 7235), (88, 7259), (90, 7265), (92, 7304), (93, 7307), (94, 7316),

Gene: Klein_28 Start: 16925, Stop: 17341, Start Num: 30

Candidate Starts for Klein_28:

(Start: 30 @16925 has 93 MA's), (Start: 32 @16958 has 4 MA's), (41, 16994), (72, 17162), (97, 17306), (100, 17321),

Gene: Koella_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Koella_10:

(Start: 28 @7095 has 224 MA's), (Start: 30 @7098 has 93 MA's), (Start: 32 @7128 has 4 MA's), (Start: 33 @7131 has 1 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: Kostya_18 Start: 10947, Stop: 11351, Start Num: 27

Candidate Starts for Kostya_18:

(17, 10914), (22, 10935), (Start: 27 @10947 has 132 MA's), (59, 11118), (62, 11130), (72, 11187), (88, 11256), (99, 11337), (100, 11346),

Gene: Krakatau_11 Start: 7782, Stop: 8156, Start Num: 32

Candidate Starts for Krakatau_11:

(11, 7671), (14, 7704), (Start: 28 @7749 has 224 MA's), (Start: 32 @7782 has 4 MA's), (34, 7788), (42, 7830), (44, 7845), (47, 7860), (51, 7878), (55, 7905), (57, 7914), (58, 7920), (68, 7956), (70, 7968), (72, 7983), (76, 7998), (77, 8007), (79, 8013), (82, 8034), (84, 8040), (89, 8064), (90, 8067), (94, 8118),

Gene: Krili_45 Start: 23092, Stop: 23544, Start Num: 15

Candidate Starts for Krili_45:

(Start: 15 @23092 has 31 MA's), (Start: 33 @23185 has 1 MA's), (34, 23188), (36, 23197), (Start: 38 @23206 has 1 MA's), (50, 23269), (56, 23311), (60, 23329), (63, 23341), (72, 23392), (73, 23395), (81, 23419), (87, 23440), (88, 23446),

Gene: KristaRAM_11 Start: 7745, Stop: 8152, Start Num: 28

Candidate Starts for KristaRAM_11:

(11, 7667), (14, 7700), (Start: 28 @7745 has 224 MA's), (Start: 32 @7778 has 4 MA's), (34, 7784), (42, 7826), (44, 7841), (47, 7856), (51, 7874), (55, 7901), (57, 7910), (58, 7916), (68, 7952), (70, 7964), (72, 7979), (76, 7994), (77, 8003), (79, 8009), (82, 8030), (84, 8036), (89, 8060), (90, 8063), (94, 8114),

Gene: Ksquared_13 Start: 8322, Stop: 8759, Start Num: 30

Candidate Starts for Ksquared_13:

(10, 8241), (Start: 30 @8322 has 93 MA's), (37, 8388), (72, 8580), (73, 8583), (80, 8619), (87, 8652), (95, 8727), (96, 8733),

Gene: Langerak_13 Start: 8287, Stop: 8724, Start Num: 30

Candidate Starts for Langerak_13:

(Start: 30 @8287 has 93 MA's), (37, 8353), (72, 8545), (73, 8548), (80, 8584), (87, 8617), (95, 8692), (96, 8698),

Gene: Latretium_10 Start: 7084, Stop: 7488, Start Num: 28

Candidate Starts for Latretium_10:

(Start: 28 @7084 has 224 MA's), (34, 7123), (42, 7165), (44, 7180), (46, 7192), (57, 7249), (58, 7255), (70, 7303), (72, 7318), (73, 7321), (78, 7345), (88, 7396), (90, 7402), (93, 7444), (94, 7453),

Gene: Leozinho_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Leozinho_11:

(Start: 28 @6948 has 224 MA's), (34, 6987), (Start: 38 @7005 has 1 MA's), (42, 7029), (44, 7044), (46, 7056), (47, 7059), (55, 7104), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (75, 7194), (78, 7209), (88, 7260), (90, 7266), (93, 7308), (94, 7317),

Gene: Leperchaun_10 Start: 7084, Stop: 7488, Start Num: 28

Candidate Starts for Leperchaun_10:

(Start: 28 @7084 has 224 MA's), (34, 7123), (Start: 38 @7141 has 1 MA's), (42, 7165), (44, 7180), (46, 7192), (47, 7195), (55, 7240), (57, 7249), (58, 7255), (70, 7303), (72, 7318), (88, 7396), (90, 7402), (92, 7441), (93, 7444), (94, 7453),

Gene: LilMoolah_10 Start: 7096, Stop: 7500, Start Num: 28

Candidate Starts for LilMoolah_10:

(Start: 28 @7096 has 224 MA's), (Start: 30 @7099 has 93 MA's), (Start: 32 @7129 has 4 MA's), (Start: 33 @7132 has 1 MA's), (34, 7135), (Start: 38 @7153 has 1 MA's), (42, 7177), (44, 7192), (46, 7204), (55, 7252), (57, 7261), (58, 7267), (70, 7315), (72, 7330), (82, 7381), (83, 7384), (88, 7408), (90, 7414),

(92, 7453), (93, 7456), (94, 7465),

Gene: Lilac_19 Start: 9905, Stop: 10309, Start Num: 27

Candidate Starts for Lilac_19:

(17, 9872), (22, 9893), (Start: 27 @9905 has 132 MA's), (59, 10076), (62, 10088), (72, 10145), (88, 10214), (99, 10295), (100, 10304),

Gene: Lilizi_19 Start: 10116, Stop: 10520, Start Num: 27

Candidate Starts for Lilizi_19:

(17, 10083), (22, 10104), (Start: 27 @10116 has 132 MA's), (59, 10287), (62, 10299), (72, 10356), (88, 10425), (99, 10506), (100, 10515),

Gene: Lilpickle_16 Start: 9624, Stop: 10028, Start Num: 27

Candidate Starts for Lilpickle_16:

(17, 9591), (22, 9612), (Start: 27 @9624 has 132 MA's), (59, 9795), (62, 9807), (72, 9864), (88, 9933), (99, 10014), (100, 10023),

Gene: LittleE_26 Start: 16671, Stop: 17093, Start Num: 30

Candidate Starts for LittleE_26:

(Start: 30 @16671 has 93 MA's), (31, 16698), (40, 16737), (61, 16851), (66, 16875), (67, 16878), (72, 16911), (81, 16947), (97, 17058), (100, 17073),

Gene: LittleShirley_11 Start: 6949, Stop: 7353, Start Num: 28

Candidate Starts for LittleShirley_11:

(Start: 28 @6949 has 224 MA's), (34, 6988), (Start: 38 @7006 has 1 MA's), (42, 7030), (44, 7045), (46, 7057), (47, 7060), (55, 7105), (57, 7114), (58, 7120), (70, 7168), (72, 7183), (88, 7261), (90, 7267), (92, 7306), (93, 7309), (94, 7318),

Gene: Livelaughbron_17 Start: 10545, Stop: 10949, Start Num: 27

Candidate Starts for Livelaughbron_17:

(17, 10512), (22, 10533), (Start: 27 @10545 has 132 MA's), (59, 10716), (62, 10728), (72, 10785), (88, 10854), (99, 10935), (100, 10944),

Gene: Lizziana_10 Start: 7097, Stop: 7501, Start Num: 28

Candidate Starts for Lizziana_10:

(Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (Start: 33 @7133 has 1 MA's), (34, 7136), (Start: 38 @7154 has 1 MA's), (42, 7178), (44, 7193), (46, 7205), (55, 7253), (57, 7262), (58, 7268), (70, 7316), (72, 7331), (82, 7382), (83, 7385), (88, 7409), (90, 7415), (92, 7454), (93, 7457), (94, 7466),

Gene: Llama_10 Start: 7094, Stop: 7498, Start Num: 28

Candidate Starts for Llama_10:

(Start: 28 @7094 has 224 MA's), (34, 7133), (Start: 38 @7151 has 1 MA's), (42, 7175), (44, 7190), (46, 7202), (47, 7205), (57, 7259), (58, 7265), (70, 7313), (72, 7328), (73, 7331), (78, 7355), (88, 7406), (90, 7412), (93, 7454), (94, 7463),

Gene: Llij_10 Start: 7112, Stop: 7516, Start Num: 28

Candidate Starts for Llij_10:

(Start: 28 @7112 has 224 MA's), (Start: 32 @7145 has 4 MA's), (Start: 33 @7148 has 1 MA's), (34, 7151), (Start: 38 @7169 has 1 MA's), (42, 7193), (44, 7208), (46, 7220), (55, 7268), (57, 7277), (58, 7283), (70, 7331), (72, 7346), (88, 7424), (90, 7430), (92, 7469), (93, 7472), (94, 7481),

Gene: LordVader_12 Start: 6943, Stop: 7347, Start Num: 28

Candidate Starts for LordVader_12:

(Start: 28 @6943 has 224 MA's), (Start: 32 @6976 has 4 MA's), (34, 6982), (40, 7009), (42, 7024), (44, 7039), (46, 7051), (55, 7099), (57, 7108), (58, 7114), (70, 7162), (72, 7177), (82, 7228), (83, 7231), (88, 7255), (90, 7261), (93, 7303), (94, 7312),

Gene: Lorde_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Lorde_11:

(Start: 28 @6948 has 224 MA's), (Start: 32 @6981 has 4 MA's), (Start: 33 @6984 has 1 MA's), (34, 6987), (Start: 38 @7005 has 1 MA's), (42, 7029), (44, 7044), (46, 7056), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (73, 7185), (78, 7209), (88, 7260), (90, 7266), (92, 7305), (93, 7308), (94, 7317),

Gene: Lucia_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Lucia_11:

(Start: 28 @6948 has 224 MA's), (Start: 32 @6981 has 4 MA's), (Start: 33 @6984 has 1 MA's), (34, 6987), (Start: 38 @7005 has 1 MA's), (42, 7029), (44, 7044), (46, 7056), (55, 7104), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (88, 7260), (90, 7266), (92, 7305), (93, 7308), (94, 7317),

Gene: Lucky2013_26 Start: 15414, Stop: 15836, Start Num: 30

Candidate Starts for Lucky2013_26:

(Start: 30 @15414 has 93 MA's), (31, 15441), (40, 15480), (61, 15594), (66, 15618), (67, 15621), (72, 15654), (81, 15690), (97, 15801), (100, 15816),

Gene: LunaBlu_10 Start: 7071, Stop: 7478, Start Num: 28

Candidate Starts for LunaBlu_10:

(11, 6993), (14, 7026), (Start: 28 @7071 has 224 MA's), (Start: 32 @7104 has 4 MA's), (34, 7110), (42, 7152), (44, 7167), (47, 7182), (51, 7200), (55, 7227), (57, 7236), (58, 7242), (68, 7278), (70, 7290), (72, 7305), (76, 7320), (77, 7329), (79, 7335), (82, 7356), (84, 7362), (89, 7386), (90, 7389), (94, 7440),

Gene: LunaStella_11 Start: 7533, Stop: 7958, Start Num: 28

Candidate Starts for LunaStella_11:

(14, 7488), (Start: 28 @7533 has 224 MA's), (Start: 32 @7581 has 4 MA's), (Start: 33 @7584 has 1 MA's), (34, 7587), (41, 7620), (58, 7719), (72, 7782), (80, 7821), (83, 7839), (84, 7842), (85, 7848), (90, 7869), (92, 7905), (94, 7917),

Gene: MISSy_17 Start: 10457, Stop: 10861, Start Num: 27

Candidate Starts for MISSy_17:

(17, 10424), (22, 10445), (Start: 27 @10457 has 132 MA's), (59, 10628), (62, 10640), (72, 10697), (88, 10766), (99, 10847), (100, 10856),

Gene: MPhalcon_17 Start: 10457, Stop: 10861, Start Num: 27

Candidate Starts for MPhalcon_17:

(17, 10424), (22, 10445), (Start: 27 @10457 has 132 MA's), (59, 10628), (62, 10640), (72, 10697), (88, 10766), (99, 10847), (100, 10856),

Gene: MadKillah_47 Start: 23314, Stop: 23766, Start Num: 15

Candidate Starts for MadKillah_47:

(Start: 15 @23314 has 31 MA's), (Start: 33 @23407 has 1 MA's), (34, 23410), (36, 23419), (Start: 38 @23428 has 1 MA's), (50, 23491), (56, 23533), (60, 23551), (63, 23563), (72, 23614), (73, 23617), (81, 23641), (87, 23662), (88, 23668),

Gene: MadMen_10 Start: 7111, Stop: 7515, Start Num: 28

Candidate Starts for MadMen_10:

(Start: 28 @7111 has 224 MA's), (Start: 32 @7144 has 4 MA's), (Start: 33 @7147 has 1 MA's), (34, 7150), (Start: 38 @7168 has 1 MA's), (42, 7192), (44, 7207), (46, 7219), (47, 7222), (55, 7267), (57, 7276), (58, 7282), (70, 7330), (72, 7345), (73, 7348), (88, 7423), (90, 7429), (92, 7468), (93, 7471), (94, 7480),

Gene: MadamMonkfish_17 Start: 9835, Stop: 10239, Start Num: 27

Candidate Starts for MadamMonkfish_17:

(17, 9802), (22, 9823), (Start: 27 @9835 has 132 MA's), (59, 10006), (72, 10075), (88, 10144), (99, 10225), (100, 10234),

Gene: Madiba_11 Start: 6946, Stop: 7350, Start Num: 28

Candidate Starts for Madiba_11:

(Start: 28 @6946 has 224 MA's), (34, 6985), (42, 7027), (44, 7042), (46, 7054), (57, 7111), (58, 7117), (70, 7165), (72, 7180), (73, 7183), (78, 7207), (90, 7264), (93, 7306), (94, 7315),

Gene: Magsby_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Magsby_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Mahavrat_10 Start: 7084, Stop: 7488, Start Num: 28

Candidate Starts for Mahavrat_10:

(Start: 28 @7084 has 224 MA's), (Start: 32 @7117 has 4 MA's), (Start: 33 @7120 has 1 MA's), (34, 7123), (42, 7165), (44, 7180), (46, 7192), (57, 7249), (58, 7255), (70, 7303), (72, 7318), (88, 7396), (90, 7402), (93, 7444), (94, 7453),

Gene: Majeke_13 Start: 8287, Stop: 8724, Start Num: 30

Candidate Starts for Majeke_13:

(Start: 30 @8287 has 93 MA's), (37, 8353), (72, 8545), (73, 8548), (80, 8584), (87, 8617), (95, 8692), (96, 8698),

Gene: Malithi_13 Start: 8345, Stop: 8782, Start Num: 30

Candidate Starts for Malithi_13:

(10, 8264), (Start: 30 @8345 has 93 MA's), (72, 8603), (73, 8606), (87, 8675), (96, 8756),

Gene: Manda_18 Start: 10917, Stop: 11321, Start Num: 27

Candidate Starts for Manda_18:

(17, 10884), (22, 10905), (Start: 27 @10917 has 132 MA's), (59, 11088), (62, 11100), (72, 11157), (88, 11226), (99, 11307), (100, 11316),

Gene: Mandlovu_10 Start: 7085, Stop: 7489, Start Num: 28

Candidate Starts for Mandlovu_10:

(Start: 28 @7085 has 224 MA's), (Start: 32 @7118 has 4 MA's), (Start: 33 @7121 has 1 MA's), (34, 7124), (Start: 38 @7142 has 1 MA's), (42, 7166), (44, 7181), (46, 7193), (57, 7250), (58, 7256), (70, 7304), (72, 7319), (78, 7346), (88, 7397), (90, 7403), (93, 7445), (94, 7454),

Gene: Mangethe_13 Start: 8287, Stop: 8724, Start Num: 30

Candidate Starts for Mangethe_13:

(Start: 30 @8287 has 93 MA's), (37, 8353), (72, 8545), (73, 8548), (80, 8584), (87, 8617), (95, 8692), (96, 8698),

Gene: Mantra_10 Start: 7112, Stop: 7516, Start Num: 28

Candidate Starts for Mantra_10:

(Start: 28 @7112 has 224 MA's), (Start: 32 @7145 has 4 MA's), (Start: 33 @7148 has 1 MA's), (34, 7151), (Start: 38 @7169 has 1 MA's), (42, 7193), (44, 7208), (46, 7220), (55, 7268), (57, 7277), (58, 7283), (70, 7331), (72, 7346), (82, 7397), (83, 7400), (88, 7424), (90, 7430), (92, 7469), (93, 7472), (94, 7481),

Gene: Maravista_10 Start: 7085, Stop: 7489, Start Num: 28

Candidate Starts for Maravista_10:

(Start: 28 @7085 has 224 MA's), (Start: 30 @7088 has 93 MA's), (Start: 32 @7118 has 4 MA's), (Start: 33 @7121 has 1 MA's), (34, 7124), (Start: 38 @7142 has 1 MA's), (42, 7166), (44, 7181), (46, 7193), (55, 7241), (57, 7250), (58, 7256), (70, 7304), (72, 7319), (82, 7370), (83, 7373), (88, 7397), (90, 7403), (92, 7442), (93, 7445), (94, 7454),

Gene: Marker_11 Start: 6947, Stop: 7351, Start Num: 28

Candidate Starts for Marker_11:

(Start: 28 @6947 has 224 MA's), (34, 6986), (Start: 38 @7004 has 1 MA's), (42, 7028), (44, 7043), (46, 7055), (55, 7103), (57, 7112), (58, 7118), (70, 7166), (72, 7181), (83, 7235), (88, 7259), (90, 7265), (92, 7304), (93, 7307), (94, 7316),

Gene: Marleymoo_31 Start: 19336, Stop: 19752, Start Num: 30

Candidate Starts for Marleymoo_31:

(Start: 30 @19336 has 93 MA's), (Start: 32 @19369 has 4 MA's), (41, 19405), (72, 19573), (97, 19717), (100, 19732),

Gene: Marshmallow_18 Start: 10947, Stop: 11351, Start Num: 27

Candidate Starts for Marshmallow_18:

(17, 10914), (22, 10935), (Start: 27 @10947 has 132 MA's), (59, 11118), (62, 11130), (72, 11187), (88, 11256), (99, 11337), (100, 11346),

Gene: Martik_10 Start: 7097, Stop: 7501, Start Num: 28

Candidate Starts for Martik_10:

(Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (Start: 33 @7133 has 1 MA's), (34, 7136), (Start: 38 @7154 has 1 MA's), (42, 7178), (44, 7193), (46, 7205), (55, 7253), (57, 7262), (58, 7268), (70, 7316), (72, 7331), (82, 7382), (83, 7385), (88, 7409), (90, 7415), (92, 7454), (93, 7457), (94, 7466),

Gene: Mattes_10 Start: 7087, Stop: 7491, Start Num: 28

Candidate Starts for Mattes_10:

(Start: 28 @7087 has 224 MA's), (34, 7126), (42, 7168), (44, 7183), (46, 7195), (57, 7252), (70, 7306), (72, 7321), (75, 7333), (78, 7348), (88, 7399), (89, 7402), (90, 7405), (93, 7447), (94, 7456),

Gene: Maxxinista_18 Start: 9884, Stop: 10288, Start Num: 27

Candidate Starts for Maxxinista_18:

(17, 9851), (22, 9872), (Start: 27 @9884 has 132 MA's), (59, 10055), (62, 10067), (72, 10124), (88, 10193), (99, 10274), (100, 10283),

Gene: Medindi_10 Start: 7119, Stop: 7493, Start Num: 32

Candidate Starts for Medindi_10:

(11, 7008), (14, 7041), (Start: 28 @7086 has 224 MA's), (Start: 32 @7119 has 4 MA's), (34, 7125), (42, 7167), (44, 7182), (47, 7197), (51, 7215), (55, 7242), (57, 7251), (58, 7257), (68, 7293), (70, 7305), (72, 7320), (76, 7335), (77, 7344), (79, 7350), (82, 7371), (84, 7377), (89, 7401), (90, 7404), (94, 7455),

Gene: Megiddo_13 Start: 8309, Stop: 8746, Start Num: 30

Candidate Starts for Megiddo_13:

(10, 8228), (Start: 30 @8309 has 93 MA's), (37, 8375), (72, 8567), (73, 8570), (80, 8606), (87, 8639), (95, 8714), (96, 8720),

Gene: Melville_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Melville_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: MiaZeal_26 Start: 15105, Stop: 15527, Start Num: 30

Candidate Starts for MiaZeal_26:

(Start: 30 @15105 has 93 MA's), (40, 15171), (61, 15285), (66, 15309), (67, 15312), (72, 15345), (81, 15381), (97, 15492), (100, 15507),

Gene: MichelleMyBell_12 Start: 7383, Stop: 7802, Start Num: 18

Candidate Starts for MichelleMyBell_12:

(2, 7212), (Start: 18 @7383 has 46 MA's), (Start: 33 @7428 has 1 MA's), (57, 7554), (72, 7632), (84, 7686), (87, 7701), (88, 7707),

Gene: MilanaBonita_11 Start: 7745, Stop: 8152, Start Num: 28

Candidate Starts for MilanaBonita_11:

(11, 7667), (14, 7700), (Start: 28 @7745 has 224 MA's), (Start: 32 @7778 has 4 MA's), (34, 7784), (42, 7826), (44, 7841), (47, 7856), (51, 7874), (55, 7901), (57, 7910), (58, 7916), (68, 7952), (70, 7964), (72, 7979), (76, 7994), (77, 8003), (79, 8009), (82, 8030), (84, 8036), (89, 8060), (90, 8063), (94, 8114),

Gene: MilleniumForce_11 Start: 7745, Stop: 8152, Start Num: 28

Candidate Starts for MilleniumForce_11:

(11, 7667), (14, 7700), (Start: 28 @7745 has 224 MA's), (Start: 32 @7778 has 4 MA's), (34, 7784), (42, 7826), (44, 7841), (47, 7856), (51, 7874), (55, 7901), (57, 7910), (58, 7916), (68, 7952), (70, 7964), (72, 7979), (76, 7994), (77, 8003), (79, 8009), (82, 8030), (84, 8036), (89, 8060), (90, 8063), (94, 8114),

Gene: Mindy_18 Start: 10726, Stop: 11130, Start Num: 27

Candidate Starts for Mindy_18:

(17, 10693), (22, 10714), (Start: 27 @10726 has 132 MA's), (59, 10897), (62, 10909), (72, 10966), (88, 11035), (99, 11116), (100, 11125),

Gene: Minerva_28 Start: 17410, Stop: 17826, Start Num: 30

Candidate Starts for Minerva_28:

(Start: 30 @17410 has 93 MA's), (Start: 32 @17443 has 4 MA's), (41, 17479), (72, 17647), (97, 17791), (100, 17806),

Gene: MinionDave_11 Start: 7745, Stop: 8152, Start Num: 28

Candidate Starts for MinionDave_11:

(11, 7667), (14, 7700), (Start: 28 @7745 has 224 MA's), (Start: 32 @7778 has 4 MA's), (34, 7784), (42, 7826), (44, 7841), (47, 7856), (51, 7874), (55, 7901), (57, 7910), (58, 7916), (68, 7952), (70, 7964), (72, 7979), (76, 7994), (77, 8003), (79, 8009), (82, 8030), (84, 8036), (89, 8060), (90, 8063), (94, 8114),

Gene: Miniwave_18 Start: 11145, Stop: 11549, Start Num: 27

Candidate Starts for Miniwave_18:

(17, 11112), (22, 11133), (Start: 27 @11145 has 132 MA's), (59, 11316), (62, 11328), (72, 11385), (88, 11454), (99, 11535), (100, 11544),

Gene: Minnie_10 Start: 7112, Stop: 7516, Start Num: 28

Candidate Starts for Minnie_10:

(Start: 28 @7112 has 224 MA's), (Start: 30 @7115 has 93 MA's), (Start: 32 @7145 has 4 MA's), (Start: 33 @7148 has 1 MA's), (34, 7151), (Start: 38 @7169 has 1 MA's), (42, 7193), (44, 7208), (46, 7220), (55, 7268), (57, 7277), (58, 7283), (70, 7331), (72, 7346), (88, 7424), (90, 7430), (92, 7469), (93, 7472), (94, 7481),

Gene: Misfit_17 Start: 10501, Stop: 10905, Start Num: 27

Candidate Starts for Misfit_17:

(17, 10468), (22, 10489), (Start: 27 @10501 has 132 MA's), (59, 10672), (62, 10684), (72, 10741), (88, 10810), (99, 10891), (100, 10900),

Gene: Misha28_11 Start: 6951, Stop: 7355, Start Num: 28

Candidate Starts for Misha28_11:

(7, 6849), (Start: 28 @6951 has 224 MA's), (Start: 32 @6984 has 4 MA's), (Start: 33 @6987 has 1 MA's), (34, 6990), (Start: 38 @7008 has 1 MA's), (42, 7032), (44, 7047), (46, 7059), (57, 7116), (58, 7122), (70, 7170), (72, 7185), (73, 7188), (78, 7212), (88, 7263), (90, 7269), (93, 7311), (94, 7320),

Gene: MisterCuddles_10 Start: 7101, Stop: 7505, Start Num: 28

Candidate Starts for MisterCuddles_10:

(Start: 28 @7101 has 224 MA's), (Start: 32 @7134 has 4 MA's), (Start: 33 @7137 has 1 MA's), (34, 7140), (42, 7182), (44, 7197), (46, 7209), (57, 7266), (58, 7272), (70, 7320), (72, 7335), (73, 7338), (78, 7362), (88, 7413), (90, 7419), (93, 7461), (94, 7470),

Gene: Modragons_10 Start: 7094, Stop: 7498, Start Num: 28

Candidate Starts for Modragons_10:

(Start: 28 @7094 has 224 MA's), (34, 7133), (Start: 38 @7151 has 1 MA's), (42, 7175), (44, 7190), (46, 7202), (47, 7205), (57, 7259), (58, 7265), (70, 7313), (72, 7328), (73, 7331), (78, 7355), (88, 7406), (90, 7412), (93, 7454), (94, 7463),

Gene: Moldemort_18 Start: 10159, Stop: 10563, Start Num: 27

Candidate Starts for Moldemort_18:

(17, 10126), (22, 10147), (Start: 27 @10159 has 132 MA's), (59, 10330), (62, 10342), (72, 10399), (88, 10468), (99, 10549), (100, 10558),

Gene: MollyToe_18 Start: 11119, Stop: 11523, Start Num: 27

Candidate Starts for MollyToe_18:

(17, 11086), (22, 11107), (Start: 27 @11119 has 132 MA's), (59, 11290), (62, 11302), (72, 11359), (88, 11428), (99, 11509), (100, 11518),

Gene: MooMoo_10 Start: 6653, Stop: 7069, Start Num: 24

Candidate Starts for MooMoo_10:

(16, 6620), (20, 6644), (Start: 24 @6653 has 11 MA's), (36, 6710), (Start: 38 @6719 has 1 MA's), (39, 6722), (41, 6734), (43, 6755), (44, 6758), (49, 6779), (64, 6854), (72, 6896), (80, 6932), (89, 6974), (90, 6977), (91, 6992),

Gene: Moonbeam_10 Start: 7097, Stop: 7501, Start Num: 28

Candidate Starts for Moonbeam_10:

(Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (Start: 33 @7133 has 1 MA's), (34, 7136), (Start: 38 @7154 has 1 MA's), (42, 7178), (44, 7193), (46, 7205), (55, 7253), (57, 7262), (58, 7268), (70, 7316), (72, 7331), (88, 7409), (90, 7415), (92, 7454), (93, 7457), (94, 7466),

Gene: Mori_45 Start: 22963, Stop: 23415, Start Num: 15

Candidate Starts for Mori_45:

(Start: 15 @22963 has 31 MA's), (Start: 33 @23056 has 1 MA's), (34, 23059), (36, 23068), (Start: 38 @23077 has 1 MA's), (50, 23140), (56, 23182), (60, 23200), (63, 23212), (72, 23263), (73, 23266), (81, 23290), (87, 23311), (88, 23317),

Gene: Mosby_17 Start: 10455, Stop: 10859, Start Num: 27

Candidate Starts for Mosby_17:

(17, 10422), (22, 10443), (Start: 27 @10455 has 132 MA's), (59, 10626), (62, 10638), (72, 10695), (88, 10764), (99, 10845), (100, 10854),

Gene: Mova_11 Start: 6950, Stop: 7354, Start Num: 28

Candidate Starts for Mova_11:

(Start: 28 @6950 has 224 MA's), (34, 6989), (Start: 38 @7007 has 1 MA's), (42, 7031), (44, 7046), (46, 7058), (47, 7061), (55, 7106), (57, 7115), (58, 7121), (70, 7169), (72, 7184), (88, 7262), (90, 7268), (92, 7307), (93, 7310), (94, 7319),

Gene: Mozy_11 Start: 6945, Stop: 7352, Start Num: 28

Candidate Starts for Mozy_11:

(7, 6843), (11, 6867), (13, 6876), (14, 6900), (Start: 28 @6945 has 224 MA's), (Start: 32 @6978 has 4 MA's), (34, 6984), (42, 7026), (44, 7041), (47, 7056), (51, 7074), (55, 7101), (57, 7110), (58, 7116), (68, 7152), (70, 7164), (72, 7179), (76, 7194), (77, 7203), (79, 7209), (82, 7230), (84, 7236), (89, 7260), (90, 7263), (94, 7314),

Gene: MulchExplorer_11 Start: 6949, Stop: 7353, Start Num: 28

Candidate Starts for MulchExplorer_11:

(Start: 28 @6949 has 224 MA's), (34, 6988), (42, 7030), (44, 7045), (46, 7057), (47, 7060), (57, 7114), (58, 7120), (70, 7168), (72, 7183), (78, 7210), (88, 7261), (90, 7267), (92, 7306), (93, 7309), (94, 7318),

Gene: MulchSalad_10 Start: 7098, Stop: 7502, Start Num: 28

Candidate Starts for MulchSalad_10:

(Start: 28 @7098 has 224 MA's), (Start: 32 @7131 has 4 MA's), (Start: 33 @7134 has 1 MA's), (34, 7137), (Start: 38 @7155 has 1 MA's), (42, 7179), (44, 7194), (46, 7206), (55, 7254), (57, 7263), (58, 7269), (70, 7317), (72, 7332), (82, 7383), (83, 7386), (88, 7410), (90, 7416), (92, 7455), (93, 7458), (94, 7467),

Gene: Murai_46 Start: 23153, Stop: 23605, Start Num: 15

Candidate Starts for Murai_46:

(Start: 15 @23153 has 31 MA's), (Start: 33 @23246 has 1 MA's), (34, 23249), (36, 23258), (Start: 38 @23267 has 1 MA's), (50, 23330), (56, 23372), (60, 23390), (63, 23402), (72, 23453), (73, 23456), (81, 23480), (87, 23501), (88, 23507),

Gene: Murica_16 Start: 10413, Stop: 10817, Start Num: 27

Candidate Starts for Murica_16:

(17, 10380), (22, 10401), (Start: 27 @10413 has 132 MA's), (59, 10584), (62, 10596), (72, 10653), (88, 10722), (99, 10803), (100, 10812),

Gene: Murphy_17 Start: 9876, Stop: 10280, Start Num: 27

Candidate Starts for Murphy_17:

(17, 9843), (22, 9864), (Start: 27 @9876 has 132 MA's), (59, 10047), (62, 10059), (72, 10116), (88, 10185), (99, 10266), (100, 10275),

Gene: Mutaforma13_10 Start: 7095, Stop: 7502, Start Num: 28

Candidate Starts for Mutaforma13_10:

(11, 7017), (Start: 28 @7095 has 224 MA's), (34, 7134), (44, 7191), (47, 7206), (51, 7224), (54, 7239), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (76, 7344), (77, 7353), (79, 7359), (82, 7380), (84, 7386), (89, 7410), (90, 7413), (94, 7464),

Gene: Mwanjiwa_10 Start: 7070, Stop: 7474, Start Num: 28

Candidate Starts for Mwanjiwa_10:

(11, 6992), (Start: 28 @7070 has 224 MA's), (34, 7109), (42, 7151), (44, 7166), (46, 7178), (57, 7235), (58, 7241), (70, 7289), (72, 7304), (73, 7307), (78, 7331), (88, 7382), (90, 7388), (93, 7430), (94, 7439),

Gene: Myrale_18 Start: 10818, Stop: 11222, Start Num: 27

Candidate Starts for Myrale_18:

(17, 10785), (22, 10806), (Start: 27 @10818 has 132 MA's), (59, 10989), (62, 11001), (72, 11058), (88, 11127), (99, 11208), (100, 11217),

Gene: Nala_17 Start: 10455, Stop: 10859, Start Num: 27

Candidate Starts for Nala_17:

(17, 10422), (22, 10443), (Start: 27 @10455 has 132 MA's), (59, 10626), (62, 10638), (72, 10695), (88, 10764), (99, 10845), (100, 10854),

Gene: Nazo_12 Start: 8018, Stop: 8455, Start Num: 30

Candidate Starts for Nazo_12:

(Start: 30 @8018 has 93 MA's), (72, 8276), (80, 8315), (87, 8348), (95, 8423), (96, 8429),

Gene: Necropolis_13 Start: 8306, Stop: 8743, Start Num: 30

Candidate Starts for Necropolis_13:

(Start: 30 @8306 has 93 MA's), (72, 8564), (73, 8567), (80, 8603), (87, 8636), (95, 8711), (96, 8717),

Gene: Nekros_26 Start: 17351, Stop: 17773, Start Num: 30

Candidate Starts for Nekros_26:

(Start: 30 @17351 has 93 MA's), (31, 17378), (40, 17417), (61, 17531), (66, 17555), (67, 17558), (72, 17591), (81, 17627), (97, 17738), (100, 17753),

Gene: NelitzaMV_18 Start: 11017, Stop: 11421, Start Num: 27

Candidate Starts for NelitzaMV_18:

(17, 10984), (22, 11005), (Start: 27 @11017 has 132 MA's), (59, 11188), (62, 11200), (72, 11257), (88, 11326), (99, 11407), (100, 11416),

Gene: Nenae_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for Nenae_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: NewHope4_10 Start: 7071, Stop: 7478, Start Num: 28

Candidate Starts for NewHope4_10:

(11, 6993), (14, 7026), (Start: 28 @7071 has 224 MA's), (Start: 32 @7104 has 4 MA's), (34, 7110), (42, 7152), (44, 7167), (47, 7182), (51, 7200), (55, 7227), (57, 7236), (58, 7242), (68, 7278), (70, 7290), (72, 7305), (76, 7320), (77, 7329), (79, 7335), (82, 7356), (84, 7362), (89, 7386), (90, 7389), (94, 7440),

Gene: Nibley_21 Start: 14033, Stop: 14455, Start Num: 30

Candidate Starts for Nibley_21:

(Start: 30 @14033 has 93 MA's), (31, 14060), (40, 14099), (61, 14213), (66, 14237), (67, 14240), (72, 14273), (81, 14309), (97, 14420), (100, 14435),

Gene: Nichirin_10 Start: 7133, Stop: 7498, Start Num: 34

Candidate Starts for Nichirin_10:

(Start: 28 @7094 has 224 MA's), (34, 7133), (42, 7175), (44, 7190), (46, 7202), (57, 7259), (58, 7265), (70, 7313), (72, 7328), (78, 7355), (88, 7406), (90, 7412), (93, 7454), (94, 7463),

Gene: NiebruSaylor_45 Start: 22964, Stop: 23416, Start Num: 15

Candidate Starts for NiebruSaylor_45:

(Start: 15 @22964 has 31 MA's), (Start: 33 @23057 has 1 MA's), (34, 23060), (36, 23069), (Start: 38 @23078 has 1 MA's), (50, 23141), (56, 23183), (60, 23201), (63, 23213), (72, 23264), (73, 23267), (81, 23291), (87, 23312), (88, 23318),

Gene: NihilNomen_27 Start: 17407, Stop: 17823, Start Num: 30

Candidate Starts for NihilNomen_27:

(Start: 30 @17407 has 93 MA's), (Start: 32 @17440 has 4 MA's), (41, 17476), (72, 17644), (97, 17788), (100, 17803),

Gene: Nimbo_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Nimbo_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: Nimrod_17 Start: 10656, Stop: 11060, Start Num: 27

Candidate Starts for Nimrod_17:

(17, 10623), (22, 10644), (Start: 27 @10656 has 132 MA's), (59, 10827), (62, 10839), (72, 10896), (88, 10965), (99, 11046), (100, 11055),

Gene: Nitzel_11 Start: 7748, Stop: 8152, Start Num: 28

Candidate Starts for Nitzel_11:

(Start: 28 @7748 has 224 MA's), (Start: 32 @7781 has 4 MA's), (Start: 33 @7784 has 1 MA's), (34, 7787), (Start: 38 @7805 has 1 MA's), (42, 7829), (44, 7844), (46, 7856), (55, 7904), (57, 7913), (58, 7919), (70, 7967), (72, 7982), (82, 8033), (83, 8036), (88, 8060), (90, 8066), (92, 8105), (93, 8108), (94, 8117),

Gene: Nivrat_10 Start: 7096, Stop: 7500, Start Num: 28

Candidate Starts for Nivrat_10:

(Start: 28 @7096 has 224 MA's), (Start: 32 @7129 has 4 MA's), (Start: 33 @7132 has 1 MA's), (34, 7135), (Start: 38 @7153 has 1 MA's), (42, 7177), (44, 7192), (46, 7204), (55, 7252), (57, 7261), (58, 7267), (70, 7315), (72, 7330), (82, 7381), (83, 7384), (88, 7408), (90, 7414), (92, 7453), (93, 7456), (94, 7465),

Gene: NoSleep_18 Start: 10156, Stop: 10560, Start Num: 27

Candidate Starts for NoSleep_18:

(17, 10123), (22, 10144), (Start: 27 @10156 has 132 MA's), (59, 10327), (62, 10339), (72, 10396), (88, 10465), (99, 10546), (100, 10555),

Gene: NonchalantPear_17 Start: 10109, Stop: 10513, Start Num: 27

Candidate Starts for NonchalantPear_17:

(17, 10076), (22, 10097), (Start: 27 @10109 has 132 MA's), (59, 10280), (62, 10292), (72, 10349), (88, 10418), (99, 10499), (100, 10508),

Gene: NormanBulbieJr_10 Start: 7083, Stop: 7487, Start Num: 28

Candidate Starts for NormanBulbieJr_10:

(Start: 28 @7083 has 224 MA's), (Start: 30 @7086 has 93 MA's), (Start: 32 @7116 has 4 MA's), (Start: 33 @7119 has 1 MA's), (34, 7122), (Start: 38 @7140 has 1 MA's), (42, 7164), (44, 7179), (46, 7191), (55, 7239), (57, 7248), (58, 7254), (70, 7302), (72, 7317), (88, 7395), (90, 7401), (92, 7440), (93, 7443), (94, 7452),

Gene: Ochi17_10 Start: 7094, Stop: 7498, Start Num: 28

Candidate Starts for Ochi17_10:

(Start: 28 @7094 has 224 MA's), (34, 7133), (Start: 38 @7151 has 1 MA's), (42, 7175), (44, 7190), (46, 7202), (47, 7205), (57, 7259), (58, 7265), (70, 7313), (72, 7328), (73, 7331), (78, 7355), (88, 7406), (90, 7412), (93, 7454), (94, 7463),

Gene: Odette_27 Start: 16888, Stop: 17304, Start Num: 30

Candidate Starts for Odette_27:

(Start: 30 @16888 has 93 MA's), (Start: 32 @16921 has 4 MA's), (41, 16957), (72, 17125), (97, 17269), (100, 17284),

Gene: OfUltron_10 Start: 7094, Stop: 7498, Start Num: 28

Candidate Starts for OfUltron_10:

(Start: 28 @7094 has 224 MA's), (34, 7133), (Start: 38 @7151 has 1 MA's), (42, 7175), (44, 7190), (46, 7202), (47, 7205), (57, 7259), (58, 7265), (70, 7313), (72, 7328), (73, 7331), (78, 7355), (88, 7406), (90, 7412), (93, 7454), (94, 7463),

Gene: Ogopogo_13 Start: 7350, Stop: 7754, Start Num: 28

Candidate Starts for Ogopogo_13:

(Start: 28 @7350 has 224 MA's), (Start: 32 @7383 has 4 MA's), (Start: 33 @7386 has 1 MA's), (34, 7389), (Start: 38 @7407 has 1 MA's), (42, 7431), (44, 7446), (46, 7458), (55, 7506), (57, 7515), (58, 7521), (70, 7569), (72, 7584), (82, 7635), (83, 7638), (88, 7662), (90, 7668), (93, 7710), (94, 7719),

Gene: Okabe_12 Start: 7758, Stop: 8162, Start Num: 28

Candidate Starts for Okabe_12:

(Start: 28 @7758 has 224 MA's), (Start: 32 @7791 has 4 MA's), (Start: 33 @7794 has 1 MA's), (34, 7797), (42, 7839), (44, 7854), (46, 7866), (57, 7923), (58, 7929), (70, 7977), (72, 7992), (73, 7995), (78, 8019), (88, 8070), (90, 8076), (93, 8118), (94, 8127),

Gene: OldBen_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for OldBen_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: OlympiaSaint_10 Start: 7096, Stop: 7500, Start Num: 28

Candidate Starts for OlympiaSaint_10:

(Start: 28 @7096 has 224 MA's), (Start: 32 @7129 has 4 MA's), (Start: 33 @7132 has 1 MA's), (34, 7135), (Start: 38 @7153 has 1 MA's), (42, 7177), (44, 7192), (46, 7204), (55, 7252), (57, 7261), (58, 7267), (70, 7315), (72, 7330), (82, 7381), (83, 7384), (88, 7408), (90, 7414), (92, 7453), (93, 7456), (94, 7465),

Gene: Omega_28 Start: 19031, Stop: 19453, Start Num: 30

Candidate Starts for Omega_28:

(Start: 30 @19031 has 93 MA's), (31, 19058), (40, 19097), (61, 19211), (66, 19235), (67, 19238), (72, 19271), (81, 19307), (97, 19418), (100, 19433),

Gene: Optimus_26 Start: 16985, Stop: 17401, Start Num: 30

Candidate Starts for Optimus_26:

(Start: 30 @16985 has 93 MA's), (Start: 32 @17018 has 4 MA's), (41, 17054), (72, 17222), (97, 17366), (100, 17381),

Gene: OrionPax_18 Start: 10159, Stop: 10563, Start Num: 27

Candidate Starts for OrionPax_18:

(17, 10126), (22, 10147), (Start: 27 @10159 has 132 MA's), (59, 10330), (62, 10342), (72, 10399), (88, 10468), (99, 10549), (100, 10558),

Gene: Ovechkin_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Ovechkin_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: OwlsT2W_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for OwlsT2W_11:

(Start: 28 @6948 has 224 MA's), (34, 6987), (Start: 38 @7005 has 1 MA's), (42, 7029), (44, 7044), (46, 7056), (47, 7059), (55, 7104), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (88, 7260), (90, 7266), (92, 7305), (93, 7308), (94, 7317),

Gene: PHappiness_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for PHappiness_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: PMC_10 Start: 7112, Stop: 7516, Start Num: 28

Candidate Starts for PMC_10:

(Start: 28 @7112 has 224 MA's), (Start: 32 @7145 has 4 MA's), (Start: 33 @7148 has 1 MA's), (34, 7151), (Start: 38 @7169 has 1 MA's), (42, 7193), (44, 7208), (46, 7220), (55, 7268), (57, 7277), (58, 7283), (70, 7331), (72, 7346), (88, 7424), (90, 7430), (92, 7469), (93, 7472), (94, 7481),

Gene: Pacc40_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Pacc40_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: PaddyBaddy_18 Start: 10169, Stop: 10573, Start Num: 27

Candidate Starts for PaddyBaddy_18:

(17, 10136), (22, 10157), (Start: 27 @10169 has 132 MA's), (59, 10340), (62, 10352), (72, 10409), (88, 10478), (99, 10559), (100, 10568),

Gene: PaintedDog_11 Start: 7901, Stop: 8320, Start Num: 24

Candidate Starts for PaintedDog_11:

(Start: 24 @7901 has 11 MA's), (36, 7958), (39, 7970), (56, 8075), (72, 8147), (88, 8222), (91, 8243), (93, 8267),

Gene: Palpatine_17 Start: 10452, Stop: 10856, Start Num: 27

Candidate Starts for Palpatine_17:

(17, 10419), (22, 10440), (Start: 27 @10452 has 132 MA's), (59, 10623), (62, 10635), (72, 10692), (88, 10761), (99, 10842), (100, 10851),

Gene: Panchino_12 Start: 7364, Stop: 7783, Start Num: 18

Candidate Starts for Panchino_12:

(2, 7193), (Start: 18 @7364 has 46 MA's), (57, 7535), (72, 7613), (84, 7667), (87, 7682), (88, 7688), (92, 7730),

Gene: Paperbeatsrock_19 Start: 11391, Stop: 11795, Start Num: 27

Candidate Starts for Paperbeatsrock_19:

(17, 11358), (22, 11379), (Start: 27 @11391 has 132 MA's), (59, 11562), (62, 11574), (72, 11631), (88, 11700), (99, 11781), (100, 11790),

Gene: Parmesanjohn_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Parmesanjohn_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Pat3_17 Start: 9659, Stop: 10063, Start Num: 27

Candidate Starts for Pat3_17:

(17, 9626), (22, 9647), (Start: 27 @9659 has 132 MA's), (59, 9830), (62, 9842), (72, 9899), (88, 9968), (99, 10049), (100, 10058),

Gene: PatoPoderoso_10 Start: 7098, Stop: 7505, Start Num: 28

Candidate Starts for PatoPoderoso_10:

(11, 7020), (14, 7053), (Start: 28 @7098 has 224 MA's), (Start: 32 @7131 has 4 MA's), (34, 7137), (42, 7179), (44, 7194), (47, 7209), (51, 7227), (55, 7254), (57, 7263), (58, 7269), (68, 7305), (70, 7317), (72, 7332), (76, 7347), (77, 7356), (79, 7362), (82, 7383), (84, 7389), (89, 7413), (90, 7416), (94, 7467),

Gene: PeanutPie_13 Start: 8313, Stop: 8750, Start Num: 30

Candidate Starts for PeanutPie_13:

(10, 8232), (Start: 30 @8313 has 93 MA's), (37, 8379), (72, 8571), (73, 8574), (80, 8610), (87, 8643), (95, 8718), (96, 8724),

Gene: Petra64142_18 Start: 10872, Stop: 11276, Start Num: 27

Candidate Starts for Petra64142_18:

(17, 10839), (22, 10860), (Start: 27 @10872 has 132 MA's), (59, 11043), (62, 11055), (72, 11112), (88, 11181), (99, 11262), (100, 11271),

Gene: Phaja_17 Start: 10607, Stop: 11011, Start Num: 27

Candidate Starts for Phaja_17:

(17, 10574), (22, 10595), (Start: 27 @10607 has 132 MA's), (59, 10778), (62, 10790), (72, 10847), (88, 10916), (99, 10997), (100, 11006),

Gene: Phalconet_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Phalconet_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Phalm_13 Start: 8309, Stop: 8746, Start Num: 30

Candidate Starts for Phalm_13:

(10, 8228), (Start: 30 @8309 has 93 MA's), (37, 8375), (72, 8567), (73, 8570), (80, 8606), (87, 8639), (95, 8714), (96, 8720),

Gene: PhancyPhin_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for PhancyPhin_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: Phanphagia_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Phanphagia_10:

(11, 7019), (13, 7028), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (74, 7340), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Pharsalus_18 Start: 11191, Stop: 11595, Start Num: 27

Candidate Starts for Pharsalus_18:

(17, 11158), (22, 11179), (Start: 27 @11191 has 132 MA's), (59, 11362), (62, 11374), (72, 11431), (88, 11500), (99, 11581), (100, 11590),

Gene: Phasih_10 Start: 7111, Stop: 7515, Start Num: 28

Candidate Starts for Phasih_10:

(Start: 28 @7111 has 224 MA's), (Start: 32 @7144 has 4 MA's), (Start: 33 @7147 has 1 MA's), (34, 7150), (42, 7192), (44, 7207), (46, 7219), (57, 7276), (58, 7282), (70, 7330), (72, 7345), (73, 7348), (78, 7372), (88, 7423), (90, 7429), (93, 7471), (94, 7480),

Gene: PhatBacter_17 Start: 10457, Stop: 10861, Start Num: 27

Candidate Starts for PhatBacter_17:

(17, 10424), (22, 10445), (Start: 27 @10457 has 132 MA's), (59, 10628), (62, 10640), (72, 10697), (88, 10766), (99, 10847), (100, 10856),

Gene: Phatniss_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Phatniss_10:

(Start: 28 @7095 has 224 MA's), (Start: 32 @7128 has 4 MA's), (Start: 33 @7131 has 1 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: Phaux_16 Start: 10455, Stop: 10859, Start Num: 27

Candidate Starts for Phaux_16:

(17, 10422), (22, 10443), (Start: 27 @10455 has 132 MA's), (59, 10626), (62, 10638), (72, 10695), (88, 10764), (99, 10845), (100, 10854),

Gene: Phayonce_12 Start: 7972, Stop: 8409, Start Num: 30

Candidate Starts for Phayonce_12:

(Start: 30 @7972 has 93 MA's), (72, 8230), (87, 8302),

Gene: Phegasus_13 Start: 8287, Stop: 8724, Start Num: 30

Candidate Starts for Phegasus_13:

(Start: 30 @8287 has 93 MA's), (37, 8353), (72, 8545), (73, 8548), (80, 8584), (87, 8617), (95, 8692), (96, 8698),

Gene: PhesterPhotato_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for PhesterPhotato_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Philonius_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Philonius_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Philus_10 Start: 7096, Stop: 7500, Start Num: 28

Candidate Starts for Philus_10:

(Start: 28 @7096 has 224 MA's), (Start: 32 @7129 has 4 MA's), (Start: 33 @7132 has 1 MA's), (34, 7135), (Start: 38 @7153 has 1 MA's), (42, 7177), (44, 7192), (46, 7204), (55, 7252), (57, 7261), (58, 7267), (70, 7315), (72, 7330), (82, 7381), (83, 7384), (88, 7408), (90, 7414), (92, 7453), (93, 7456), (94, 7465),

Gene: Phineas_13 Start: 8294, Stop: 8731, Start Num: 30

Candidate Starts for Phineas_13:

(Start: 30 @8294 has 93 MA's), (72, 8552), (73, 8555), (80, 8591), (87, 8624), (95, 8699), (96, 8705),

Gene: PhlipPhlop_10 Start: 7112, Stop: 7516, Start Num: 28

Candidate Starts for PhlipPhlop_10:

(Start: 28 @7112 has 224 MA's), (Start: 32 @7145 has 4 MA's), (Start: 33 @7148 has 1 MA's), (34, 7151), (Start: 38 @7169 has 1 MA's), (42, 7193), (44, 7208), (46, 7220), (55, 7268), (57, 7277), (58, 7283), (70, 7331), (72, 7346), (88, 7424), (90, 7430), (92, 7469), (93, 7472), (94, 7481),

Gene: Phloss_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Phloss_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Phoebus_28 Start: 17632, Stop: 18048, Start Num: 30

Candidate Starts for Phoebus_28:

(Start: 30 @17632 has 93 MA's), (Start: 32 @17665 has 4 MA's), (41, 17701), (72, 17869), (97, 18013), (100, 18028),

Gene: Phrann_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for Phrann_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: Phrux_17 Start: 10155, Stop: 10559, Start Num: 27

Candidate Starts for Phrux_17:

(17, 10122), (22, 10143), (Start: 27 @10155 has 132 MA's), (59, 10326), (62, 10338), (72, 10395), (88, 10464), (99, 10545), (100, 10554),

Gene: Piper2020_11 Start: 6950, Stop: 7354, Start Num: 28

Candidate Starts for Piper2020_11:

(Start: 28 @6950 has 224 MA's), (Start: 32 @6983 has 4 MA's), (Start: 33 @6986 has 1 MA's), (34, 6989), (Start: 38 @7007 has 1 MA's), (42, 7031), (44, 7046), (46, 7058), (55, 7106), (57, 7115), (58, 7121), (70, 7169), (72, 7184), (88, 7262), (90, 7268), (92, 7307), (93, 7310), (94, 7319),

Gene: Pippy_10 Start: 7086, Stop: 7487, Start Num: 30

Candidate Starts for Pippy_10:

(Start: 28 @7083 has 224 MA's), (Start: 30 @7086 has 93 MA's), (Start: 32 @7116 has 4 MA's), (Start: 33 @7119 has 1 MA's), (34, 7122), (Start: 38 @7140 has 1 MA's), (42, 7164), (44, 7179), (46, 7191), (55, 7239), (57, 7248), (58, 7254), (70, 7302), (72, 7317), (88, 7395), (90, 7401), (92, 7440), (93, 7443), (94, 7452),

Gene: Pipsqueaks_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Pipsqueaks_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Plumbus_11 Start: 6949, Stop: 7353, Start Num: 28

Candidate Starts for Plumbus_11:

(Start: 28 @6949 has 224 MA's), (34, 6988), (42, 7030), (44, 7045), (46, 7057), (47, 7060), (57, 7114), (58, 7120), (70, 7168), (72, 7183), (78, 7210), (88, 7261), (90, 7267), (92, 7306), (93, 7309), (94, 7318),

Gene: Poenanya_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Poenanya_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: Policronamos_17 Start: 10457, Stop: 10861, Start Num: 27

Candidate Starts for Policronamos_17:

(17, 10424), (22, 10445), (Start: 27 @10457 has 132 MA's), (59, 10628), (62, 10640), (72, 10697), (88, 10766), (99, 10847), (100, 10856),

Gene: Polka14_10 Start: 7096, Stop: 7500, Start Num: 28

Candidate Starts for Polka14_10:

(Start: 28 @7096 has 224 MA's), (34, 7135), (Start: 38 @7153 has 1 MA's), (42, 7177), (44, 7192), (46, 7204), (47, 7207), (55, 7252), (57, 7261), (58, 7267), (70, 7315), (72, 7330), (88, 7408), (90, 7414), (92, 7453), (93, 7456), (94, 7465),

Gene: Polkaroo_13 Start: 8322, Stop: 8759, Start Num: 30

Candidate Starts for Polkaroo_13:

(10, 8241), (Start: 30 @8322 has 93 MA's), (37, 8388), (72, 8580), (73, 8583), (80, 8619), (87, 8652), (95, 8727), (96, 8733),

Gene: Pollywog_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Pollywog_11:

(Start: 28 @6948 has 224 MA's), (34, 6987), (Start: 38 @7005 has 1 MA's), (42, 7029), (44, 7044), (46, 7056), (47, 7059), (55, 7104), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (88, 7260), (90, 7266), (92, 7305), (93, 7308), (94, 7317),

Gene: Polo2Bam_11 Start: 7104, Stop: 7478, Start Num: 32

Candidate Starts for Polo2Bam_11:

(11, 6993), (14, 7026), (Start: 28 @7071 has 224 MA's), (Start: 32 @7104 has 4 MA's), (34, 7110), (42, 7152), (44, 7167), (47, 7182), (51, 7200), (55, 7227), (57, 7236), (58, 7242), (68, 7278), (70, 7290), (72, 7305), (76, 7320), (77, 7329), (79, 7335), (82, 7356), (84, 7362), (89, 7386), (90, 7389), (94, 7440),

Gene: PopTart_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for PopTart_10:

(11, 7019), (13, 7028), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (53, 7232), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (74, 7340), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Porcelain_26 Start: 15105, Stop: 15527, Start Num: 30

Candidate Starts for Porcelain_26:

(Start: 30 @15105 has 93 MA's), (40, 15171), (61, 15285), (66, 15309), (67, 15312), (72, 15345), (81, 15381), (97, 15492), (100, 15507),

Gene: Porky_16 Start: 9729, Stop: 10133, Start Num: 27

Candidate Starts for Porky_16:

(17, 9696), (22, 9717), (Start: 27 @9729 has 132 MA's), (59, 9900), (62, 9912), (72, 9969), (88, 10038), (99, 10119), (100, 10128),

Gene: Pound_28 Start: 17724, Stop: 18140, Start Num: 30

Candidate Starts for Pound_28:

(Start: 30 @17724 has 93 MA's), (Start: 32 @17757 has 4 MA's), (41, 17793), (72, 17961), (97, 18105), (100, 18120),

Gene: Priscilla_10 Start: 7096, Stop: 7500, Start Num: 28

Candidate Starts for Priscilla_10:

(Start: 28 @7096 has 224 MA's), (Start: 30 @7099 has 93 MA's), (Start: 32 @7129 has 4 MA's), (Start: 33 @7132 has 1 MA's), (34, 7135), (Start: 38 @7153 has 1 MA's), (42, 7177), (44, 7192), (46, 7204), (55, 7252), (57, 7261), (58, 7267), (70, 7315), (72, 7330), (88, 7408), (90, 7414), (92, 7453), (93, 7456), (94, 7465),

Gene: Ptowny_17 Start: 9796, Stop: 10200, Start Num: 27

Candidate Starts for Ptowny_17:

(17, 9763), (22, 9784), (Start: 27 @9796 has 132 MA's), (59, 9967), (62, 9979), (72, 10036), (88, 10105), (99, 10186), (100, 10195),

Gene: Pumpkin_18 Start: 9972, Stop: 10376, Start Num: 27

Candidate Starts for Pumpkin_18:

(17, 9939), (22, 9960), (Start: 27 @9972 has 132 MA's), (59, 10143), (62, 10155), (72, 10212), (88, 10281), (99, 10362), (100, 10371),

Gene: Purgamenstris_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for Purgamenstris_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: Purky_12 Start: 7981, Stop: 8418, Start Num: 30

Candidate Starts for Purky_12:

(Start: 30 @7981 has 93 MA's), (72, 8239), (80, 8278), (86, 8308),

Gene: Pygmy_12 Start: 8023, Stop: 8460, Start Num: 30

Candidate Starts for Pygmy_12:

(Start: 30 @8023 has 93 MA's), (72, 8281), (73, 8284), (87, 8353), (95, 8428), (96, 8434),

Gene: Quallification_19 Start: 11154, Stop: 11558, Start Num: 27

Candidate Starts for Quallification_19:

(17, 11121), (22, 11142), (Start: 27 @11154 has 132 MA's), (59, 11325), (62, 11337), (72, 11394), (88, 11463), (99, 11544), (100, 11553),

Gene: QueenHazel_12 Start: 8360, Stop: 8779, Start Num: 24

Candidate Starts for QueenHazel_12:

(Start: 24 @8360 has 11 MA's), (36, 8417), (39, 8429), (56, 8534), (72, 8606), (88, 8681), (91, 8702), (93, 8726),

Gene: QuickMath_10 Start: 7098, Stop: 7505, Start Num: 28

Candidate Starts for QuickMath_10:

(11, 7020), (14, 7053), (Start: 28 @7098 has 224 MA's), (Start: 32 @7131 has 4 MA's), (34, 7137), (42, 7179), (44, 7194), (47, 7209), (51, 7227), (55, 7254), (57, 7263), (58, 7269), (68, 7305), (70, 7317), (72, 7332), (76, 7347), (77, 7356), (79, 7362), (82, 7383), (84, 7389), (89, 7413), (90, 7416), (94, 7467),

Gene: Quico_11 Start: 6943, Stop: 7347, Start Num: 28

Candidate Starts for Quico_11:

(Start: 28 @6943 has 224 MA's), (34, 6982), (42, 7024), (44, 7039), (46, 7051), (57, 7108), (58, 7114), (70, 7162), (72, 7177), (78, 7204), (88, 7255), (90, 7261), (93, 7303), (94, 7312),

Gene: REQ2_11 Start: 7293, Stop: 7724, Start Num: 24

Candidate Starts for REQ2_11:

(Start: 24 @7293 has 11 MA's), (29, 7305), (Start: 32 @7338 has 4 MA's), (34, 7344), (35, 7347), (48, 7425), (59, 7485), (72, 7554), (88, 7626),

Gene: Radiance_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Radiance_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (42, 7176), (44, 7191), (46, 7203), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (78, 7356), (90, 7413), (93, 7455), (94, 7464),

Gene: Rakim_19 Start: 11061, Stop: 11465, Start Num: 27

Candidate Starts for Rakim_19:

(17, 11028), (22, 11049), (Start: 27 @11061 has 132 MA's), (59, 11232), (62, 11244), (72, 11301), (88, 11370), (99, 11451), (100, 11460),

Gene: Ramsey_11 Start: 6947, Stop: 7351, Start Num: 28

Candidate Starts for Ramsey_11:

(7, 6845), (23, 6935), (Start: 28 @6947 has 224 MA's), (Start: 32 @6980 has 4 MA's), (Start: 33 @6983 has 1 MA's), (34, 6986), (Start: 38 @7004 has 1 MA's), (42, 7028), (44, 7043), (46, 7055), (57, 7112), (58, 7118), (70, 7166), (72, 7181), (73, 7184), (78, 7208), (88, 7259), (90, 7265), (92, 7304), (93, 7307), (94, 7316),

Gene: Raymond7_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for Raymond7_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: Rearden_23 Start: 14090, Stop: 14512, Start Num: 30

Candidate Starts for Rearden_23:

(Start: 30 @14090 has 93 MA's), (40, 14156), (61, 14270), (66, 14294), (67, 14297), (72, 14330), (81, 14366), (97, 14477), (100, 14492),

Gene: Rebel_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for Rebel_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: RedBird_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for RedBird_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: Redi_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for Redi_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: Redno2_27 Start: 17116, Stop: 17532, Start Num: 30

Candidate Starts for Redno2_27:

(Start: 30 @17116 has 93 MA's), (Start: 32 @17149 has 4 MA's), (41, 17185), (72, 17353), (97, 17497), (100, 17512),

Gene: Renaud18_11 Start: 7410, Stop: 7835, Start Num: 28

Candidate Starts for Renaud18_11:

(5, 7290), (14, 7365), (Start: 28 @7410 has 224 MA's), (Start: 32 @7458 has 4 MA's), (Start: 33 @7461 has 1 MA's), (34, 7464), (57, 7590), (58, 7596), (72, 7659), (80, 7698), (83, 7716), (84, 7719), (85, 7725), (90, 7746), (92, 7782), (94, 7794),

Gene: Rialto_11 Start: 6949, Stop: 7353, Start Num: 28

Candidate Starts for Rialto_11:

(Start: 28 @6949 has 224 MA's), (Start: 32 @6982 has 4 MA's), (Start: 33 @6985 has 1 MA's), (34, 6988), (Start: 38 @7006 has 1 MA's), (42, 7030), (44, 7045), (46, 7057), (55, 7105), (57, 7114), (58, 7120), (70, 7168), (72, 7183), (88, 7261), (90, 7267), (92, 7306), (93, 7309), (94, 7318),

Gene: Rimmer_17 Start: 10514, Stop: 10918, Start Num: 27

Candidate Starts for Rimmer_17:

(17, 10481), (22, 10502), (Start: 27 @10514 has 132 MA's), (59, 10685), (62, 10697), (72, 10754), (88, 10823), (99, 10904), (100, 10913),

Gene: Rita_10 Start: 7098, Stop: 7505, Start Num: 28

Candidate Starts for Rita_10:

(11, 7020), (13, 7029), (14, 7053), (Start: 28 @7098 has 224 MA's), (34, 7137), (44, 7194), (47, 7209), (51, 7227), (53, 7233), (54, 7242), (55, 7254), (57, 7263), (58, 7269), (65, 7293), (70, 7317), (72, 7332), (74, 7341), (76, 7347), (77, 7356), (79, 7362), (82, 7383), (84, 7389), (90, 7416), (94, 7467),

Gene: RitaG_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for RitaG_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: RiverMonster_17 Start: 10169, Stop: 10573, Start Num: 27

Candidate Starts for RiverMonster_17:

(17, 10136), (22, 10157), (Start: 27 @10169 has 132 MA's), (59, 10340), (62, 10352), (72, 10409), (88, 10478), (99, 10559), (100, 10568),

Gene: Rockne_10 Start: 7112, Stop: 7516, Start Num: 28

Candidate Starts for Rockne_10:

(Start: 28 @7112 has 224 MA's), (Start: 32 @7145 has 4 MA's), (Start: 33 @7148 has 1 MA's), (34, 7151), (Start: 38 @7169 has 1 MA's), (42, 7193), (44, 7208), (46, 7220), (55, 7268), (57, 7277), (58, 7283), (70, 7331), (72, 7346), (88, 7424), (90, 7430), (92, 7469), (93, 7472), (94, 7481),

Gene: RockyHorror_11 Start: 6947, Stop: 7351, Start Num: 28

Candidate Starts for RockyHorror_11:

(Start: 28 @6947 has 224 MA's), (Start: 32 @6980 has 4 MA's), (Start: 33 @6983 has 1 MA's), (34, 6986), (Start: 38 @7004 has 1 MA's), (42, 7028), (44, 7043), (46, 7055), (55, 7103), (57, 7112), (58, 7118), (70, 7166), (72, 7181), (82, 7232), (83, 7235), (88, 7259), (90, 7265), (92, 7304), (93, 7307), (94, 7316),

Gene: Royals2015_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Royals2015_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Rubeelu_12 Start: 7363, Stop: 7782, Start Num: 18

Candidate Starts for Rubeelu_12:

(Start: 18 @7363 has 46 MA's), (Start: 33 @7408 has 1 MA's), (57, 7534), (72, 7612), (84, 7666), (87, 7681), (88, 7687),

Gene: Ruby_10 Start: 7101, Stop: 7505, Start Num: 28

Candidate Starts for Ruby_10:

(Start: 28 @7101 has 224 MA's), (Start: 32 @7134 has 4 MA's), (Start: 33 @7137 has 1 MA's), (34, 7140), (42, 7182), (44, 7197), (46, 7209), (57, 7266), (58, 7272), (70, 7320), (72, 7335), (73, 7338), (78, 7362), (88, 7413), (90, 7419), (93, 7461), (94, 7470),

Gene: Ryadel_50 Start: 24437, Stop: 24880, Start Num: 15

Candidate Starts for Ryadel_50:

(12, 24404), (Start: 15 @24437 has 31 MA's), (Start: 33 @24521 has 1 MA's), (34, 24524), (Start: 38 @24542 has 1 MA's), (50, 24605), (56, 24647), (60, 24665), (63, 24677), (72, 24728), (73, 24731), (81, 24755), (87, 24776), (88, 24782), (94, 24836),

Gene: SG4_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for SG4_10:

(11, 7019), (13, 7028), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Saal_10 Start: 7084, Stop: 7488, Start Num: 28

Candidate Starts for Saal_10:

(Start: 28 @7084 has 224 MA's), (Start: 30 @7087 has 93 MA's), (Start: 32 @7117 has 4 MA's), (Start: 33 @7120 has 1 MA's), (34, 7123), (Start: 38 @7141 has 1 MA's), (42, 7165), (44, 7180), (46, 7192), (55, 7240), (57, 7249), (58, 7255), (70, 7303), (72, 7318), (88, 7396), (90, 7402), (92, 7441), (93, 7444), (94, 7453),

Gene: Sabbb_10 Start: 7099, Stop: 7503, Start Num: 28

Candidate Starts for Sabbb_10:

(Start: 28 @7099 has 224 MA's), (Start: 32 @7132 has 4 MA's), (Start: 33 @7135 has 1 MA's), (34, 7138), (42, 7180), (44, 7195), (46, 7207), (57, 7264), (58, 7270), (70, 7318), (72, 7333), (73, 7336), (78, 7360), (88, 7411), (90, 7417), (92, 7456), (93, 7459), (94, 7468),

Gene: Saints25_18 Start: 10078, Stop: 10482, Start Num: 27

Candidate Starts for Saints25_18:

(17, 10045), (22, 10066), (Start: 27 @10078 has 132 MA's), (59, 10249), (62, 10261), (72, 10318), (88, 10387), (99, 10468), (100, 10477),

Gene: Sandalphon_10 Start: 7112, Stop: 7516, Start Num: 28

Candidate Starts for Sandalphon_10:

(Start: 28 @7112 has 224 MA's), (Start: 30 @7115 has 93 MA's), (Start: 32 @7145 has 4 MA's), (Start: 33 @7148 has 1 MA's), (34, 7151), (Start: 38 @7169 has 1 MA's), (42, 7193), (44, 7208), (46, 7220), (55, 7268), (57, 7277), (58, 7283), (70, 7331), (72, 7346), (88, 7424), (90, 7430), (92, 7469), (93, 7472), (94, 7481),

Gene: Sarma624_11 Start: 6947, Stop: 7351, Start Num: 28

Candidate Starts for Sarma624_11:

(Start: 28 @6947 has 224 MA's), (34, 6986), (42, 7028), (44, 7043), (46, 7055), (57, 7112), (58, 7118), (70, 7166), (72, 7181), (73, 7184), (78, 7208), (82, 7232), (83, 7235), (88, 7259), (90, 7265), (92, 7304), (93, 7307), (94, 7316),

Gene: Sassafras_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Sassafras_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: Sassay_17 Start: 10455, Stop: 10859, Start Num: 27

Candidate Starts for Sassay_17:

(17, 10422), (22, 10443), (Start: 27 @10455 has 132 MA's), (59, 10626), (62, 10638), (72, 10695), (88, 10764), (99, 10845), (100, 10854),

Gene: SassyB_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for SassyB_10:

(11, 7019), (13, 7028), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (53, 7232), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (74, 7340), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Sbash_11 Start: 7943, Stop: 8359, Start Num: 24

Candidate Starts for Sbash_11:

(20, 7934), (Start: 24 @7943 has 11 MA's), (36, 8000), (Start: 38 @8009 has 1 MA's), (39, 8012), (47, 8063), (56, 8114), (72, 8186), (91, 8282), (93, 8306),

Gene: Schatzie_26 Start: 16657, Stop: 17073, Start Num: 30

Candidate Starts for Schatzie_26:

(Start: 30 @16657 has 93 MA's), (Start: 32 @16690 has 4 MA's), (41, 16726), (72, 16894), (97, 17038), (100, 17053),

Gene: Schnauzer_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Schnauzer_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: SchoolBus_46 Start: 23378, Stop: 23830, Start Num: 15

Candidate Starts for SchoolBus_46:

(Start: 15 @23378 has 31 MA's), (Start: 33 @23471 has 1 MA's), (34, 23474), (Start: 38 @23492 has 1 MA's), (50, 23555), (56, 23597), (60, 23615), (63, 23627), (72, 23678), (73, 23681), (81, 23705), (87, 23726), (88, 23732),

Gene: Schuy_47 Start: 23311, Stop: 23763, Start Num: 15

Candidate Starts for Schuy_47:

(Start: 15 @23311 has 31 MA's), (Start: 33 @23404 has 1 MA's), (34, 23407), (36, 23416), (Start: 38 @23425 has 1 MA's), (50, 23488), (56, 23530), (60, 23548), (63, 23560), (72, 23611), (73, 23614), (81, 23638), (87, 23659), (88, 23665),

Gene: Scitech_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Scitech_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Scottish_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Scottish_10:

(Start: 28 @7095 has 224 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (47, 7206), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: SeaLumen_10 Start: 7071, Stop: 7478, Start Num: 28

Candidate Starts for SeaLumen_10:

(11, 6993), (14, 7026), (Start: 28 @7071 has 224 MA's), (Start: 32 @7104 has 4 MA's), (34, 7110), (42, 7152), (44, 7167), (47, 7182), (51, 7200), (55, 7227), (57, 7236), (58, 7242), (68, 7278), (70, 7290), (72, 7305), (76, 7320), (77, 7329), (79, 7335), (82, 7356), (84, 7362), (89, 7386), (90, 7389), (94, 7440),

Gene: Seabastian_10 Start: 7094, Stop: 7498, Start Num: 28

Candidate Starts for Seabastian_10:

(Start: 28 @7094 has 224 MA's), (34, 7133), (Start: 38 @7151 has 1 MA's), (42, 7175), (44, 7190), (46, 7202), (47, 7205), (57, 7259), (58, 7265), (70, 7313), (72, 7328), (73, 7331), (78, 7355), (88, 7406), (90, 7412), (93, 7454), (94, 7463),

Gene: Seagreen_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Seagreen_11:

(Start: 28 @6948 has 224 MA's), (34, 6987), (42, 7029), (44, 7044), (46, 7056), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (73, 7185), (78, 7209), (88, 7260), (90, 7266), (93, 7308), (94, 7317),

Gene: Shaboozey_20 Start: 13516, Stop: 13938, Start Num: 30

Candidate Starts for Shaboozey_20:

(Start: 30 @13516 has 93 MA's), (31, 13543), (40, 13582), (61, 13696), (66, 13720), (67, 13723), (72, 13756), (81, 13792), (97, 13903), (100, 13918),

Gene: ShamWow_18 Start: 10948, Stop: 11352, Start Num: 27

Candidate Starts for ShamWow_18:

(17, 10915), (22, 10936), (Start: 27 @10948 has 132 MA's), (59, 11119), (62, 11131), (72, 11188), (88, 11257), (99, 11338), (100, 11347),

Gene: Shauna1_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Shauna1_10:

(11, 7019), (13, 7028), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (74, 7340), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: ShereKhan_19 Start: 11397, Stop: 11801, Start Num: 27

Candidate Starts for ShereKhan_19:

(17, 11364), (22, 11385), (Start: 27 @11397 has 132 MA's), (59, 11568), (62, 11580), (72, 11637), (88, 11706), (99, 11787), (100, 11796),

Gene: ShiLan_10 Start: 7096, Stop: 7500, Start Num: 28

Candidate Starts for ShiLan_10:

(Start: 28 @7096 has 224 MA's), (Start: 32 @7129 has 4 MA's), (Start: 33 @7132 has 1 MA's), (34, 7135), (Start: 38 @7153 has 1 MA's), (42, 7177), (44, 7192), (46, 7204), (55, 7252), (57, 7261), (58, 7267), (70, 7315), (72, 7330), (82, 7381), (83, 7384), (88, 7408), (90, 7414), (92, 7453), (93, 7456), (94, 7465),

Gene: Shida_46 Start: 23218, Stop: 23670, Start Num: 15

Candidate Starts for Shida_46:

(Start: 15 @23218 has 31 MA's), (Start: 33 @23311 has 1 MA's), (34, 23314), (36, 23323), (Start: 38 @23332 has 1 MA's), (50, 23395), (56, 23437), (60, 23455), (63, 23467), (72, 23518), (73, 23521), (81, 23545), (87, 23566), (88, 23572),

Gene: Shipwreck_12 Start: 8001, Stop: 8438, Start Num: 30

Candidate Starts for Shipwreck_12:

(Start: 30 @8001 has 93 MA's), (72, 8259), (73, 8262), (87, 8331), (95, 8406), (96, 8412),

Gene: ShowerHandel_10 Start: 7097, Stop: 7501, Start Num: 28

Candidate Starts for ShowerHandel_10:

(25, 7088), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (Start: 33 @7133 has 1 MA's), (34, 7136), (Start: 38 @7154 has 1 MA's), (42, 7178), (44, 7193), (46, 7205), (55, 7253), (57, 7262), (58, 7268), (70, 7316), (72, 7331), (82, 7382), (83, 7385), (88, 7409), (90, 7415), (92, 7454), (93, 7457), (94, 7466),

Gene: ShrimpFriedEgg_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for ShrimpFriedEgg_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: ShroomBoi_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for ShroomBoi_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Shweta_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for Shweta_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: SiSi_10 Start: 7082, Stop: 7489, Start Num: 28

Candidate Starts for SiSi_10:

(11, 7004), (14, 7037), (Start: 28 @7082 has 224 MA's), (Start: 32 @7115 has 4 MA's), (34, 7121), (42, 7163), (44, 7178), (47, 7193), (51, 7211), (55, 7238), (57, 7247), (58, 7253), (68, 7289), (70, 7301), (72, 7316), (76, 7331), (77, 7340), (79, 7346), (82, 7367), (84, 7373), (89, 7397), (90, 7400), (94, 7451),

Gene: Silvafighter_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Silvafighter_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Silvy_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Silvy_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Simpliphy_18 Start: 10159, Stop: 10563, Start Num: 27

Candidate Starts for Simpliphy_18:

(17, 10126), (22, 10147), (Start: 27 @10159 has 132 MA's), (59, 10330), (62, 10342), (72, 10399), (88, 10468), (99, 10549), (100, 10558),

Gene: SimranZ1_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for SimranZ1_11:

(Start: 28 @6948 has 224 MA's), (34, 6987), (Start: 38 @7005 has 1 MA's), (42, 7029), (44, 7044), (46, 7056), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (78, 7209), (88, 7260), (90, 7266), (93, 7308), (94, 7317),

Gene: SirDuracell_17 Start: 9614, Stop: 10018, Start Num: 27

Candidate Starts for SirDuracell_17:

(17, 9581), (22, 9602), (Start: 27 @9614 has 132 MA's), (59, 9785), (62, 9797), (72, 9854), (88, 9923), (99, 10004), (100, 10013),

Gene: SkinnyPete_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for SkinnyPete_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: Slim_11 Start: 6949, Stop: 7353, Start Num: 28

Candidate Starts for Slim_11:

(Start: 28 @6949 has 224 MA's), (Start: 32 @6982 has 4 MA's), (Start: 33 @6985 has 1 MA's), (34, 6988), (Start: 38 @7006 has 1 MA's), (42, 7030), (44, 7045), (46, 7057), (55, 7105), (57, 7114), (58, 7120), (70, 7168), (72, 7183), (88, 7261), (90, 7267), (92, 7306), (93, 7309), (94, 7318),

Gene: Smooch_48 Start: 24506, Stop: 24958, Start Num: 15

Candidate Starts for Smooch_48:

(Start: 15 @24506 has 31 MA's), (Start: 33 @24599 has 1 MA's), (34, 24602), (36, 24611), (Start: 38 @24620 has 1 MA's), (50, 24683), (56, 24725), (60, 24743), (63, 24755), (72, 24806), (73, 24809), (81, 24833), (87, 24854), (88, 24860),

Gene: Smurph_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Smurph_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Snekmaggedon_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for Snekmaggedon_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: Sonah_13 Start: 8289, Stop: 8726, Start Num: 30

Candidate Starts for Sonah_13:

(Start: 30 @8289 has 93 MA's), (37, 8355), (72, 8547), (73, 8550), (80, 8586), (87, 8619), (95, 8694), (96, 8700),

Gene: SophKB_18 Start: 10947, Stop: 11351, Start Num: 27

Candidate Starts for SophKB_18:

(17, 10914), (22, 10935), (Start: 27 @10947 has 132 MA's), (59, 11118), (62, 11130), (72, 11187), (88, 11256), (99, 11337), (100, 11346),

Gene: Sotrice96_18 Start: 10903, Stop: 11307, Start Num: 27

Candidate Starts for Sotrice96_18:

(17, 10870), (22, 10891), (Start: 27 @10903 has 132 MA's), (59, 11074), (62, 11086), (72, 11143), (88, 11212), (99, 11293), (100, 11302),

Gene: Sparkdehlily_10 Start: 7111, Stop: 7515, Start Num: 28

Candidate Starts for Sparkdehlily_10:

(Start: 28 @7111 has 224 MA's), (Start: 32 @7144 has 4 MA's), (Start: 33 @7147 has 1 MA's), (34, 7150), (Start: 38 @7168 has 1 MA's), (42, 7192), (44, 7207), (46, 7219), (47, 7222), (55, 7267), (57, 7276), (58, 7282), (70, 7330), (72, 7345), (73, 7348), (88, 7423), (90, 7429), (92, 7468), (93, 7471), (94, 7480),

Gene: Spartacus_10 Start: 7083, Stop: 7490, Start Num: 28

Candidate Starts for Spartacus_10:

(11, 7005), (Start: 28 @7083 has 224 MA's), (Start: 32 @7116 has 4 MA's), (34, 7122), (42, 7164), (44, 7179), (47, 7194), (51, 7212), (55, 7239), (57, 7248), (58, 7254), (68, 7290), (70, 7302), (72, 7317), (74, 7326), (76, 7332), (77, 7341), (79, 7347), (82, 7368), (84, 7374), (89, 7398), (90, 7401), (94, 7452),

Gene: Spikelee_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Spikelee_11:

(Start: 28 @6948 has 224 MA's), (34, 6987), (Start: 38 @7005 has 1 MA's), (42, 7029), (44, 7044), (46, 7056), (47, 7059), (55, 7104), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (75, 7194), (78, 7209), (88, 7260), (90, 7266), (93, 7308), (94, 7317),

Gene: Spinach_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for Spinach_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: SpongeBob_12 Start: 7388, Stop: 7807, Start Num: 18

Candidate Starts for SpongeBob_12:

(2, 7217), (Start: 18 @7388 has 46 MA's), (57, 7559), (72, 7637), (84, 7691), (87, 7706), (88, 7712), (92, 7754),

Gene: Spoonbill_10 Start: 7097, Stop: 7501, Start Num: 28

Candidate Starts for Spoonbill_10:

(Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (Start: 33 @7133 has 1 MA's), (34, 7136), (42, 7178), (44, 7193), (46, 7205), (57, 7262), (58, 7268), (70, 7316), (72, 7331), (73, 7334), (78, 7358), (88, 7409), (90, 7415), (93, 7457), (94, 7466),

Gene: Squint_25 Start: 15232, Stop: 15654, Start Num: 30

Candidate Starts for Squint_25:

(Start: 30 @15232 has 93 MA's), (31, 15259), (40, 15298), (61, 15412), (66, 15436), (67, 15439), (72, 15472), (81, 15508), (97, 15619), (100, 15634),

Gene: Squirty_11 Start: 6946, Stop: 7350, Start Num: 28

Candidate Starts for Squirty_11:

(7, 6844), (Start: 28 @6946 has 224 MA's), (Start: 32 @6979 has 4 MA's), (Start: 33 @6982 has 1 MA's), (34, 6985), (Start: 38 @7003 has 1 MA's), (42, 7027), (44, 7042), (46, 7054), (57, 7111), (58, 7117), (70, 7165), (72, 7180), (73, 7183), (78, 7207), (88, 7258), (90, 7264), (93, 7306), (94, 7315),

Gene: StAnnes_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for StAnnes_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Stank_19 Start: 10404, Stop: 10808, Start Num: 27

Candidate Starts for Stank_19:

(17, 10371), (22, 10392), (Start: 27 @10404 has 132 MA's), (59, 10575), (62, 10587), (72, 10644), (88, 10713), (99, 10794), (100, 10803),

Gene: Stap_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Stap_11:

(Start: 28 @6948 has 224 MA's), (34, 6987), (42, 7029), (44, 7044), (46, 7056), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (78, 7209), (90, 7266), (93, 7308), (94, 7317),

Gene: Starcevich_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Starcevich_11:

(Start: 28 @6948 has 224 MA's), (34, 6987), (Start: 38 @7005 has 1 MA's), (42, 7029), (44, 7044), (46, 7056), (47, 7059), (55, 7104), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (88, 7260), (90, 7266), (92, 7305), (93, 7308), (94, 7317),

Gene: Stark_18 Start: 10172, Stop: 10576, Start Num: 27

Candidate Starts for Stark_18:

(17, 10139), (22, 10160), (Start: 27 @10172 has 132 MA's), (59, 10343), (62, 10355), (72, 10412), (88, 10481), (99, 10562), (100, 10571),

Gene: StellaBean_18 Start: 10947, Stop: 11351, Start Num: 27

Candidate Starts for StellaBean_18:

(17, 10914), (22, 10935), (Start: 27 @10947 has 132 MA's), (59, 11118), (62, 11130), (72, 11187), (88, 11256), (99, 11337), (100, 11346),

Gene: StevieRay_13 Start: 8297, Stop: 8734, Start Num: 30

Candidate Starts for StevieRay_13:

(Start: 30 @8297 has 93 MA's), (72, 8555), (73, 8558), (80, 8594), (87, 8627), (95, 8702), (96, 8708),

Gene: StolenFromERC_19 Start: 10404, Stop: 10808, Start Num: 27

Candidate Starts for StolenFromERC_19:

(17, 10371), (22, 10392), (Start: 27 @10404 has 132 MA's), (59, 10575), (62, 10587), (72, 10644), (88, 10713), (99, 10794), (100, 10803),

Gene: StormChicken_18 Start: 11122, Stop: 11526, Start Num: 27

Candidate Starts for StormChicken_18:

(17, 11089), (22, 11110), (Start: 27 @11122 has 132 MA's), (59, 11293), (62, 11305), (72, 11362), (88, 11431), (99, 11512), (100, 11521),

Gene: StressBall_13 Start: 8309, Stop: 8746, Start Num: 30

Candidate Starts for StressBall_13:

(10, 8228), (Start: 30 @8309 has 93 MA's), (37, 8375), (72, 8567), (73, 8570), (80, 8606), (87, 8639), (95, 8714), (96, 8720),

Gene: Strokeseat_10 Start: 7085, Stop: 7489, Start Num: 28

Candidate Starts for Strokeseat_10:

(Start: 28 @7085 has 224 MA's), (Start: 32 @7118 has 4 MA's), (Start: 33 @7121 has 1 MA's), (34, 7124), (Start: 38 @7142 has 1 MA's), (42, 7166), (44, 7181), (46, 7193), (57, 7250), (58, 7256), (70,

7304), (72, 7319), (78, 7346), (88, 7397), (90, 7403), (93, 7445), (94, 7454),

Gene: Stuck_11 Start: 7961, Stop: 8377, Start Num: 24

Candidate Starts for Stuck_11:

(21, 7955), (Start: 24 @7961 has 11 MA's), (36, 8018), (Start: 38 @8027 has 1 MA's), (39, 8030), (47, 8081), (56, 8132), (72, 8204), (79, 8234), (91, 8300), (93, 8324),

Gene: SuperGrey_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for SuperGrey_10:

(11, 7019), (13, 7028), (14, 7052), (Start: 28 @7097 has 224 MA's), (34, 7136), (44, 7193), (47, 7208), (51, 7226), (53, 7232), (54, 7241), (55, 7253), (57, 7262), (58, 7268), (65, 7292), (70, 7316), (72, 7331), (74, 7340), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (90, 7415), (94, 7466),

Gene: Superphikiman_26 Start: 15286, Stop: 15708, Start Num: 30

Candidate Starts for Superphikiman_26:

(Start: 30 @15286 has 93 MA's), (31, 15313), (40, 15352), (61, 15466), (66, 15490), (67, 15493), (72, 15526), (81, 15562), (97, 15673), (100, 15688),

Gene: SwagPigglett_10 Start: 7097, Stop: 7501, Start Num: 28

Candidate Starts for SwagPigglett_10:

(Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (Start: 33 @7133 has 1 MA's), (34, 7136), (Start: 38 @7154 has 1 MA's), (42, 7178), (44, 7193), (46, 7205), (55, 7253), (57, 7262), (58, 7268), (70, 7316), (72, 7331), (82, 7382), (83, 7385), (88, 7409), (90, 7415), (92, 7454), (93, 7457), (94, 7466),

Gene: TBrady12_19 Start: 10401, Stop: 10805, Start Num: 27

Candidate Starts for TBrady12_19:

(17, 10368), (22, 10389), (Start: 27 @10401 has 132 MA's), (59, 10572), (62, 10584), (72, 10641), (88, 10710), (99, 10791), (100, 10800),

Gene: TChen_11 Start: 7533, Stop: 7958, Start Num: 28

Candidate Starts for TChen_11:

(14, 7488), (Start: 28 @7533 has 224 MA's), (Start: 32 @7581 has 4 MA's), (Start: 33 @7584 has 1 MA's), (34, 7587), (41, 7620), (58, 7719), (72, 7782), (80, 7821), (83, 7839), (84, 7842), (85, 7848), (90, 7869), (92, 7905), (94, 7917),

Gene: TDanisky_10 Start: 7111, Stop: 7515, Start Num: 28

Candidate Starts for TDanisky_10:

(Start: 28 @7111 has 224 MA's), (Start: 32 @7144 has 4 MA's), (Start: 33 @7147 has 1 MA's), (34, 7150), (Start: 38 @7168 has 1 MA's), (42, 7192), (44, 7207), (46, 7219), (47, 7222), (55, 7267), (57, 7276), (58, 7282), (70, 7330), (72, 7345), (73, 7348), (88, 7423), (90, 7429), (92, 7468), (93, 7471), (94, 7480),

Gene: Taj_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Taj_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Tapioca_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Tapioca_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Tarkin_19 Start: 11400, Stop: 11804, Start Num: 27

Candidate Starts for Tarkin_19:

(17, 11367), (22, 11388), (Start: 27 @11400 has 132 MA's), (59, 11571), (62, 11583), (72, 11640), (88, 11709), (99, 11790), (100, 11799),

Gene: Tchotchke_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Tchotchke_11:

(Start: 28 @6948 has 224 MA's), (Start: 32 @6981 has 4 MA's), (Start: 33 @6984 has 1 MA's), (34, 6987), (Start: 38 @7005 has 1 MA's), (42, 7029), (44, 7044), (46, 7056), (55, 7104), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (88, 7260), (90, 7266), (92, 7305), (93, 7308), (94, 7317),

Gene: TeamEdward_18 Start: 11119, Stop: 11523, Start Num: 27

Candidate Starts for TeamEdward_18:

(17, 11086), (22, 11107), (Start: 27 @11119 has 132 MA's), (59, 11290), (62, 11302), (72, 11359), (88, 11428), (99, 11509), (100, 11518),

Gene: TeardropMSU_17 Start: 10855, Stop: 11259, Start Num: 27

Candidate Starts for TeardropMSU_17:

(17, 10822), (22, 10843), (Start: 27 @10855 has 132 MA's), (59, 11026), (62, 11038), (72, 11095), (88, 11164), (99, 11245), (100, 11254),

Gene: Teaspoon_17 Start: 9854, Stop: 10258, Start Num: 27

Candidate Starts for Teaspoon_17:

(17, 9821), (22, 9842), (Start: 27 @9854 has 132 MA's), (59, 10025), (62, 10037), (72, 10094), (88, 10163), (99, 10244), (100, 10253),

Gene: Techage_13 Start: 8290, Stop: 8727, Start Num: 30

Candidate Starts for Techage_13:

(Start: 30 @8290 has 93 MA's), (37, 8356), (72, 8548), (73, 8551), (80, 8587), (87, 8620), (95, 8695), (96, 8701),

Gene: TelAviv_43 Start: 23372, Stop: 23824, Start Num: 15

Candidate Starts for TelAviv_43:

(Start: 15 @23372 has 31 MA's), (Start: 33 @23465 has 1 MA's), (34, 23468), (Start: 38 @23486 has 1 MA's), (50, 23549), (56, 23591), (60, 23609), (63, 23621), (72, 23672), (73, 23675), (81, 23699), (87, 23720), (88, 23726),

Gene: Terminus_17 Start: 10501, Stop: 10905, Start Num: 27

Candidate Starts for Terminus_17:

(17, 10468), (22, 10489), (Start: 27 @10501 has 132 MA's), (59, 10672), (62, 10684), (72, 10741), (88, 10810), (99, 10891), (100, 10900),

Gene: Tessdabest_11 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Tessdabest_11:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Thespis_13 Start: 8309, Stop: 8746, Start Num: 30

Candidate Starts for Thespis_13:

(10, 8228), (Start: 30 @8309 has 93 MA's), (37, 8375), (72, 8567), (73, 8570), (80, 8606), (87, 8639), (95, 8714), (96, 8720),

Gene: ThetaBob_11 Start: 7413, Stop: 7838, Start Num: 28

Candidate Starts for ThetaBob_11:

(5, 7293), (8, 7326), (14, 7368), (Start: 28 @7413 has 224 MA's), (Start: 32 @7461 has 4 MA's), (Start: 33 @7464 has 1 MA's), (34, 7467), (57, 7593), (58, 7599), (72, 7662), (80, 7701), (83, 7719), (84, 7722), (85, 7728), (90, 7749), (92, 7785), (94, 7797),

Gene: Thibault_24 Start: 16916, Stop: 17332, Start Num: 30

Candidate Starts for Thibault_24:

(Start: 30 @16916 has 93 MA's), (Start: 32 @16949 has 4 MA's), (41, 16985), (52, 17039), (72, 17153), (97, 17297), (100, 17312),

Gene: Thimble_18 Start: 9904, Stop: 10308, Start Num: 27

Candidate Starts for Thimble_18:

(17, 9871), (22, 9892), (Start: 27 @9904 has 132 MA's), (59, 10075), (62, 10087), (72, 10144), (88, 10213), (99, 10294), (100, 10303),

Gene: ThreeRngTarjay_27 Start: 17482, Stop: 17898, Start Num: 30

Candidate Starts for ThreeRngTarjay_27:

(Start: 30 @17482 has 93 MA's), (Start: 32 @17515 has 4 MA's), (41, 17551), (72, 17719), (97, 17863), (100, 17878),

Gene: Thresher_18 Start: 11162, Stop: 11566, Start Num: 27

Candidate Starts for Thresher_18:

(17, 11129), (22, 11150), (Start: 27 @11162 has 132 MA's), (59, 11333), (62, 11345), (72, 11402), (88, 11471), (99, 11552), (100, 11561),

Gene: ThulaThula_12 Start: 7978, Stop: 8415, Start Num: 30

Candidate Starts for ThulaThula_12:

(1, 7558), (Start: 30 @7978 has 93 MA's), (72, 8236), (87, 8308),

Gene: Tomaszewski_17 Start: 10548, Stop: 10952, Start Num: 27

Candidate Starts for Tomaszewski_17:

(17, 10515), (22, 10536), (Start: 27 @10548 has 132 MA's), (59, 10719), (62, 10731), (72, 10788), (88, 10857), (99, 10938), (100, 10947),

Gene: TootsiePop_11 Start: 6951, Stop: 7355, Start Num: 28

Candidate Starts for TootsiePop_11:

(7, 6849), (Start: 28 @6951 has 224 MA's), (Start: 32 @6984 has 4 MA's), (Start: 33 @6987 has 1 MA's), (34, 6990), (Start: 38 @7008 has 1 MA's), (42, 7032), (44, 7047), (46, 7059), (57, 7116), (58, 7122), (70, 7170), (72, 7185), (73, 7188), (78, 7212), (88, 7263), (90, 7269), (93, 7311), (94, 7320),

Gene: Tootsieroll_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for Tootsieroll_11:

(Start: 28 @6948 has 224 MA's), (34, 6987), (42, 7029), (44, 7044), (46, 7056), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (78, 7209), (90, 7266), (93, 7308), (94, 7317),

Gene: Topiatin_12 Start: 7747, Stop: 8154, Start Num: 28

Candidate Starts for Topiatin_12:

(11, 7669), (13, 7678), (14, 7702), (Start: 28 @7747 has 224 MA's), (Start: 32 @7780 has 4 MA's), (34, 7786), (42, 7828), (44, 7843), (47, 7858), (51, 7876), (55, 7903), (57, 7912), (58, 7918), (68, 7954), (70, 7966), (72, 7981), (76, 7996), (77, 8005), (79, 8011), (82, 8032), (84, 8038), (89, 8062), (90, 8065), (94, 8116),

Gene: Toron_11 Start: 7533, Stop: 7958, Start Num: 28

Candidate Starts for Toron_11:

(6, 7419), (Start: 28 @7533 has 224 MA's), (Start: 32 @7581 has 4 MA's), (34, 7587), (36, 7596), (41, 7620), (58, 7719), (72, 7782), (80, 7821), (82, 7836), (83, 7839), (84, 7842), (85, 7848), (90, 7869), (94, 7917),

Gene: Tortellini_12 Start: 7995, Stop: 8432, Start Num: 30

Candidate Starts for Tortellini_12:

(10, 7914), (Start: 30 @7995 has 93 MA's), (40, 8073), (72, 8253), (80, 8292), (87, 8325),

Gene: Tortoise12_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Tortoise12_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Totinger_11 Start: 6949, Stop: 7353, Start Num: 28

Candidate Starts for Totinger_11:

(Start: 28 @6949 has 224 MA's), (Start: 32 @6982 has 4 MA's), (Start: 33 @6985 has 1 MA's), (34, 6988), (Start: 38 @7006 has 1 MA's), (42, 7030), (44, 7045), (46, 7057), (55, 7105), (57, 7114), (58, 7120), (70, 7168), (72, 7183), (88, 7261), (90, 7267), (92, 7306), (93, 7309), (94, 7318),

Gene: Toto_18 Start: 10948, Stop: 11352, Start Num: 27

Candidate Starts for Toto_18:

(17, 10915), (22, 10936), (Start: 27 @10948 has 132 MA's), (59, 11119), (62, 11131), (72, 11188), (88, 11257), (99, 11338), (100, 11347),

Gene: Traaww1_16 Start: 10593, Stop: 10997, Start Num: 27

Candidate Starts for Traaww1_16:

(17, 10560), (22, 10581), (Start: 27 @10593 has 132 MA's), (59, 10764), (62, 10776), (72, 10833), (88, 10902), (99, 10983), (100, 10992),

Gene: Tuco_18 Start: 10947, Stop: 11351, Start Num: 27

Candidate Starts for Tuco_18:

(17, 10914), (22, 10935), (Start: 27 @10947 has 132 MA's), (59, 11118), (62, 11130), (72, 11187), (88, 11256), (99, 11337), (100, 11346),

Gene: Tweety_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Tweety_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Ukulele_17 Start: 10172, Stop: 10576, Start Num: 27

Candidate Starts for Ukulele_17:

(17, 10139), (22, 10160), (Start: 27 @10172 has 132 MA's), (59, 10343), (62, 10355), (72, 10412), (88, 10481), (99, 10562), (100, 10571),

Gene: UncleRicky_11 Start: 6948, Stop: 7352, Start Num: 28

Candidate Starts for UncleRicky_11:

(Start: 28 @6948 has 224 MA's), (Start: 32 @6981 has 4 MA's), (Start: 33 @6984 has 1 MA's), (34, 6987), (Start: 38 @7005 has 1 MA's), (42, 7029), (44, 7044), (46, 7056), (57, 7113), (58, 7119), (70, 7167), (72, 7182), (73, 7185), (78, 7209), (88, 7260), (90, 7266), (92, 7305), (93, 7308), (94, 7317),

Gene: VRedHorse_10 Start: 7097, Stop: 7501, Start Num: 28

Candidate Starts for VRedHorse_10:

(Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (Start: 33 @7133 has 1 MA's), (34, 7136), (Start: 38 @7154 has 1 MA's), (42, 7178), (44, 7193), (46, 7205), (55, 7253), (57, 7262), (58, 7268), (70, 7316), (72, 7331), (88, 7409), (90, 7415), (92, 7454), (93, 7457), (94, 7466),

Gene: Vagabond_46 Start: 23205, Stop: 23657, Start Num: 15

Candidate Starts for Vagabond_46:

(9, 23163), (Start: 15 @23205 has 31 MA's), (Start: 33 @23298 has 1 MA's), (34, 23301), (Start: 38 @23319 has 1 MA's), (50, 23382), (56, 23424), (60, 23442), (63, 23454), (72, 23505), (73, 23508), (81, 23532), (87, 23553), (88, 23559),

Gene: Velveteen_11 Start: 6947, Stop: 7351, Start Num: 28

Candidate Starts for Velveteen_11:

(Start: 28 @6947 has 224 MA's), (34, 6986), (42, 7028), (44, 7043), (46, 7055), (57, 7112), (58, 7118), (70, 7166), (72, 7181), (73, 7184), (78, 7208), (82, 7232), (83, 7235), (88, 7259), (90, 7265), (92, 7304), (93, 7307), (94, 7316),

Gene: Venti_13 Start: 8306, Stop: 8743, Start Num: 30

Candidate Starts for Venti_13:

(Start: 30 @8306 has 93 MA's), (72, 8564), (73, 8567), (80, 8603), (87, 8636), (95, 8711), (96, 8717),

Gene: Veteran_10 Start: 7112, Stop: 7516, Start Num: 28

Candidate Starts for Veteran_10:

(Start: 28 @7112 has 224 MA's), (Start: 32 @7145 has 4 MA's), (Start: 33 @7148 has 1 MA's), (34, 7151), (42, 7193), (44, 7208), (46, 7220), (57, 7277), (58, 7283), (70, 7331), (72, 7346), (78, 7373), (90, 7430), (93, 7472), (94, 7481),

Gene: Vidya_13 Start: 8306, Stop: 8743, Start Num: 30

Candidate Starts for Vidya_13:

(Start: 30 @8306 has 93 MA's), (72, 8564), (73, 8567), (80, 8603), (87, 8636), (95, 8711), (96, 8717),

Gene: Violac_10 Start: 7098, Stop: 7502, Start Num: 28

Candidate Starts for Violac_10:

(Start: 28 @7098 has 224 MA's), (Start: 32 @7131 has 4 MA's), (Start: 33 @7134 has 1 MA's), (34, 7137), (42, 7179), (44, 7194), (46, 7206), (57, 7263), (58, 7269), (70, 7317), (72, 7332), (78, 7359), (88, 7410), (90, 7416), (92, 7455), (93, 7458), (94, 7467),

Gene: Vivum_10 Start: 7096, Stop: 7500, Start Num: 28

Candidate Starts for Vivum_10:

(Start: 28 @7096 has 224 MA's), (Start: 30 @7099 has 93 MA's), (Start: 32 @7129 has 4 MA's), (Start: 33 @7132 has 1 MA's), (34, 7135), (Start: 38 @7153 has 1 MA's), (42, 7177), (44, 7192), (46, 7204), (55, 7252), (57, 7261), (58, 7267), (70, 7315), (72, 7330), (88, 7408), (90, 7414), (92, 7453), (93, 7456), (94, 7465),

Gene: Vorrps_45 Start: 22964, Stop: 23416, Start Num: 15

Candidate Starts for Vorrps_45:

(Start: 15 @22964 has 31 MA's), (Start: 33 @23057 has 1 MA's), (34, 23060), (36, 23069), (Start: 38 @23078 has 1 MA's), (50, 23141), (56, 23183), (60, 23201), (63, 23213), (72, 23264), (73, 23267), (81, 23291), (87, 23312), (88, 23318),

Gene: Wachhund_10 Start: 7088, Stop: 7492, Start Num: 28

Candidate Starts for Wachhund_10:

(Start: 28 @7088 has 224 MA's), (34, 7127), (Start: 38 @7145 has 1 MA's), (42, 7169), (44, 7184), (46, 7196), (57, 7253), (58, 7259), (70, 7307), (72, 7322), (78, 7349), (90, 7406), (93, 7448), (94, 7457),

Gene: Wanda_29 Start: 16925, Stop: 17341, Start Num: 30

Candidate Starts for Wanda_29:

(Start: 30 @16925 has 93 MA's), (Start: 32 @16958 has 4 MA's), (41, 16994), (72, 17162), (97, 17306), (100, 17321),

Gene: Wee_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Wee_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Whack_11 Start: 7277, Stop: 7684, Start Num: 24

Candidate Starts for Whack_11:

(Start: 24 @7277 has 11 MA's), (26, 7283), (34, 7328), (59, 7448), (71, 7505), (72, 7517), (98, 7664),

Gene: Whatsapiecost_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for Whatsapiecost_10:

(11, 7019), (14, 7052), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Whouxphf_10 Start: 7087, Stop: 7491, Start Num: 28

Candidate Starts for Whouxphf_10:

(Start: 28 @7087 has 224 MA's), (Start: 32 @7120 has 4 MA's), (Start: 33 @7123 has 1 MA's), (34, 7126), (42, 7168), (44, 7183), (46, 7195), (57, 7252), (58, 7258), (70, 7306), (72, 7321), (73, 7324), (78, 7348), (88, 7399), (90, 7405), (93, 7447), (94, 7456),

Gene: Wiggin_19 Start: 10404, Stop: 10808, Start Num: 27

Candidate Starts for Wiggin_19:

(17, 10371), (22, 10392), (Start: 27 @10404 has 132 MA's), (59, 10575), (62, 10587), (72, 10644), (88, 10713), (99, 10794), (100, 10803),

Gene: Wildflower_46 Start: 22950, Stop: 23402, Start Num: 15

Candidate Starts for Wildflower_46:

(Start: 15 @22950 has 31 MA's), (Start: 33 @23043 has 1 MA's), (34, 23046), (Start: 38 @23064 has 1 MA's), (50, 23127), (56, 23169), (60, 23187), (63, 23199), (72, 23250), (73, 23253), (81, 23277), (87, 23298), (88, 23304),

Gene: WillSterrel_10 Start: 7083, Stop: 7490, Start Num: 28

Candidate Starts for WillSterrel_10:

(11, 7005), (Start: 28 @7083 has 224 MA's), (Start: 32 @7116 has 4 MA's), (34, 7122), (42, 7164), (44, 7179), (47, 7194), (51, 7212), (55, 7239), (57, 7248), (58, 7254), (68, 7290), (70, 7302), (72, 7317), (74, 7326), (76, 7332), (77, 7341), (79, 7347), (82, 7368), (84, 7374), (89, 7398), (90, 7401), (94, 7452),

Gene: Willez_17 Start: 10455, Stop: 10859, Start Num: 27

Candidate Starts for Willez_17:

(17, 10422), (22, 10443), (Start: 27 @10455 has 132 MA's), (59, 10626), (62, 10638), (72, 10695), (88, 10764), (99, 10845), (100, 10854),

Gene: Willsammy_13 Start: 8312, Stop: 8749, Start Num: 30

Candidate Starts for Willsammy_13:

(10, 8231), (Start: 30 @8312 has 93 MA's), (37, 8378), (72, 8570), (73, 8573), (80, 8609), (87, 8642), (95, 8717), (96, 8723),

Gene: Winget_47 Start: 23644, Stop: 24096, Start Num: 15

Candidate Starts for Winget_47:

(Start: 15 @23644 has 31 MA's), (Start: 33 @23737 has 1 MA's), (34, 23740), (Start: 38 @23758 has 1 MA's), (50, 23821), (56, 23863), (60, 23881), (63, 23893), (72, 23944), (73, 23947), (81, 23971), (87, 23992), (88, 23998),

Gene: Wogge42_45 Start: 23283, Stop: 23735, Start Num: 15

Candidate Starts for Wogge42_45:

(Start: 15 @23283 has 31 MA's), (Start: 33 @23376 has 1 MA's), (34, 23379), (Start: 38 @23397 has 1 MA's), (50, 23460), (56, 23502), (60, 23520), (63, 23532), (72, 23583), (73, 23586), (81, 23610), (87, 23631), (88, 23637),

Gene: XFactor_10 Start: 7097, Stop: 7504, Start Num: 28

Candidate Starts for XFactor_10:

(11, 7019), (14, 7052), (23, 7085), (Start: 28 @7097 has 224 MA's), (Start: 32 @7130 has 4 MA's), (34, 7136), (42, 7178), (44, 7193), (47, 7208), (51, 7226), (55, 7253), (57, 7262), (58, 7268), (68, 7304), (70, 7316), (72, 7331), (76, 7346), (77, 7355), (79, 7361), (82, 7382), (84, 7388), (89, 7412), (90, 7415), (94, 7466),

Gene: Xandras_19 Start: 10404, Stop: 10808, Start Num: 27

Candidate Starts for Xandras_19:

(17, 10371), (22, 10392), (Start: 27 @10404 has 132 MA's), (59, 10575), (62, 10587), (72, 10644), (88, 10713), (99, 10794), (100, 10803),

Gene: Xavia_13 Start: 8310, Stop: 8747, Start Num: 30

Candidate Starts for Xavia_13:

(Start: 30 @8310 has 93 MA's), (72, 8568), (73, 8571), (80, 8607), (87, 8640), (95, 8715), (96, 8721),

Gene: Xeno_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Xeno_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Xerxes_12 Start: 7343, Stop: 7762, Start Num: 18

Candidate Starts for Xerxes_12:

(Start: 18 @7343 has 46 MA's), (57, 7514), (72, 7592), (84, 7646), (87, 7661), (88, 7667),

Gene: Xiaokay_25 Start: 16932, Stop: 17348, Start Num: 30

Candidate Starts for Xiaokay_25:

(Start: 30 @16932 has 93 MA's), (Start: 32 @16965 has 4 MA's), (41, 17001), (72, 17169), (97, 17313), (100, 17328),

Gene: Xula_11 Start: 7989, Stop: 8408, Start Num: 24

Candidate Starts for Xula_11:

(Start: 24 @7989 has 11 MA's), (36, 8046), (39, 8058), (56, 8163), (72, 8235), (88, 8310), (91, 8331), (93, 8355),

Gene: YassJohnny_18 Start: 10947, Stop: 11351, Start Num: 27

Candidate Starts for YassJohnny_18:

(17, 10914), (22, 10935), (Start: 27 @10947 has 132 MA's), (59, 11118), (62, 11130), (72, 11187), (88, 11256), (99, 11337), (100, 11346),

Gene: Yeet_26 Start: 16658, Stop: 17074, Start Num: 30

Candidate Starts for Yeet_26:

(Start: 30 @16658 has 93 MA's), (Start: 32 @16691 has 4 MA's), (41, 16727), (72, 16895), (97, 17039), (100, 17054),

Gene: Yorick_10 Start: 7095, Stop: 7499, Start Num: 28

Candidate Starts for Yorick_10:

(Start: 28 @7095 has 224 MA's), (Start: 32 @7128 has 4 MA's), (Start: 33 @7131 has 1 MA's), (34, 7134), (Start: 38 @7152 has 1 MA's), (42, 7176), (44, 7191), (46, 7203), (55, 7251), (57, 7260), (58, 7266), (70, 7314), (72, 7329), (82, 7380), (83, 7383), (88, 7407), (90, 7413), (92, 7452), (93, 7455), (94, 7464),

Gene: Youngblood_17 Start: 10582, Stop: 10986, Start Num: 27

Candidate Starts for Youngblood_17:

(17, 10549), (22, 10570), (Start: 27 @10582 has 132 MA's), (59, 10753), (62, 10765), (72, 10822), (88, 10891), (99, 10972), (100, 10981),

Gene: YoyoKar_44 Start: 22928, Stop: 23380, Start Num: 15

Candidate Starts for YoyoKar_44:

(9, 22886), (Start: 15 @22928 has 31 MA's), (Start: 33 @23021 has 1 MA's), (34, 23024), (Start: 38 @23042 has 1 MA's), (50, 23105), (56, 23147), (60, 23165), (63, 23177), (72, 23228), (73, 23231), (81, 23255), (87, 23276), (88, 23282),

Gene: YungJamal_49 Start: 23683, Stop: 24135, Start Num: 15

Candidate Starts for YungJamal_49:

(4, 23593), (Start: 15 @23683 has 31 MA's), (Start: 33 @23776 has 1 MA's), (34, 23779), (Start: 38 @23797 has 1 MA's), (50, 23860), (56, 23902), (60, 23920), (63, 23932), (72, 23983), (73, 23986), (81, 24010), (87, 24031), (88, 24037),

Gene: Zakhe101_46 Start: 23094, Stop: 23546, Start Num: 15

Candidate Starts for Zakhe101_46:

(Start: 15 @23094 has 31 MA's), (Start: 33 @23187 has 1 MA's), (34, 23190), (Start: 38 @23208 has 1 MA's), (50, 23271), (56, 23313), (60, 23331), (63, 23343), (72, 23394), (73, 23397), (81, 23421), (87, 23442), (88, 23448),

Gene: Zebo_46 Start: 23378, Stop: 23830, Start Num: 15

Candidate Starts for Zebo_46:

(Start: 15 @23378 has 31 MA's), (Start: 33 @23471 has 1 MA's), (34, 23474), (Start: 38 @23492 has 1 MA's), (50, 23555), (56, 23597), (60, 23615), (63, 23627), (72, 23678), (73, 23681), (81, 23705), (87, 23726), (88, 23732),

Gene: Zelink_29 Start: 17510, Stop: 17926, Start Num: 30

Candidate Starts for Zelink_29:

(Start: 30 @17510 has 93 MA's), (Start: 32 @17543 has 4 MA's), (41, 17579), (72, 17747), (97, 17891), (100, 17906),

Gene: Zerg_10 Start: 7096, Stop: 7500, Start Num: 28

Candidate Starts for Zerg_10:

(Start: 28 @7096 has 224 MA's), (Start: 32 @7129 has 4 MA's), (Start: 33 @7132 has 1 MA's), (34, 7135), (Start: 38 @7153 has 1 MA's), (42, 7177), (44, 7192), (46, 7204), (55, 7252), (57, 7261), (58, 7267), (70, 7315), (72, 7330), (88, 7408), (90, 7414), (92, 7453), (93, 7456), (94, 7465),

Gene: Zilizebeth_13 Start: 8306, Stop: 8743, Start Num: 30

Candidate Starts for Zilizebeth_13:

(Start: 30 @8306 has 93 MA's), (72, 8564), (73, 8567), (80, 8603), (87, 8636), (95, 8711), (96, 8717),

Gene: Zizzle_10 Start: 7099, Stop: 7503, Start Num: 28

Candidate Starts for Zizzle_10:

(Start: 28 @7099 has 224 MA's), (Start: 32 @7132 has 4 MA's), (Start: 33 @7135 has 1 MA's), (34, 7138), (Start: 38 @7156 has 1 MA's), (42, 7180), (44, 7195), (46, 7207), (55, 7255), (57, 7264), (58, 7270), (70, 7318), (72, 7333), (82, 7384), (83, 7387), (88, 7411), (90, 7417), (92, 7456), (93, 7459), (94, 7468),

Gene: xkcd_18 Start: 10607, Stop: 11011, Start Num: 27

Candidate Starts for xkcd_18:

(17, 10574), (22, 10595), (Start: 27 @10607 has 132 MA's), (59, 10778), (62, 10790), (72, 10847), (88, 10916), (99, 10997), (100, 11006),