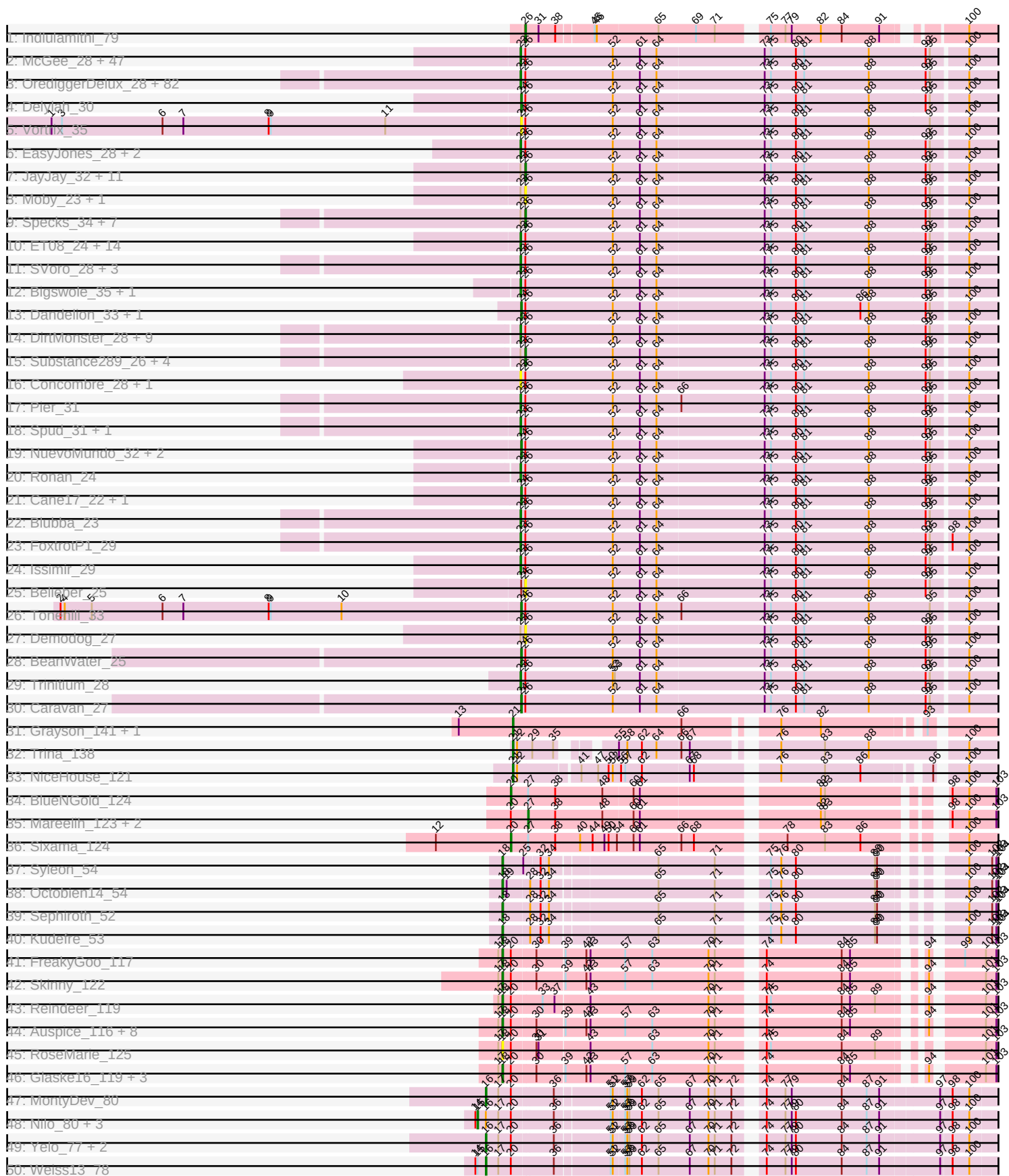


Zoomed Pham 262772



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 262772 Report

This analysis was run 02/07/26 on database version 634.

Pham number 262772 has 256 members, 42 are drafts.

Phages represented in each track:

- Track 1 : Indlulamithi_79
- Track 2 : McGee_28, Kboogie_29, MoMoMixon_30, Babyland_28, Astraea_30, IkeLoa_25, Bezza_21, Grungle_22, ChaylaJr_28, LordLeafolot_35, Turret_27, Asterius_30, LinStu_29, Blackbrain_27, Koguma_25, FrayBell_35, Montpel_28, Phox_28, Dietrick_24, Khaleesi_28, Sprinklers_29, Lunareta_28, Halldule_25, ErnieJ_30, BobaPhatt_26, PharkleMinkus_34, Tainan_34, Shagnato_25, BananaFence_30, JulietS_24, Chargie21_28, StubbySaigey_28, Jezreel_28, Duckfeet_26, EmmaElysia_27, Cali_29, StephanieG_29, BadAgartude_30, Domi_24, LRRHood_26, Fixie_26, Bonray_29, Rocha_27, Lukilu_22, JPickles_27, Lethe_28, Basquiat_28, McWolfish_28
- Track 3 : OrediggerDelux_28, I3_31, Pleione_31, Ghost_29, Adlitam_29, LifeSavor_30, Pio_32, Maby2021_30, Grasshills_33, Shrimp_29, DTDevon_30, Phlegm_31, Amataga_29, YemiJoy2021_30, Shnickers_29, Audrick_31, Matsumoto_28, Teardrop_28, CharlieB_29, InigoMontoya_30, Gizmo_31, Patter_29, Drazdys_29, Ava3_30, Izajani_30, InterFolia_36, Derek_30, Jedediah_29, Lee7_28, Jemmno_29, Bangla1971_28, SmallFry_29, NedWong_30, Atlantean_29, Yucca_29, Zalkecks_31, Janiyra_29, Norm_29, Daffodil_31, Fongie_29, Bread_30, Latch_29, ParkTD_28, EggyFarm_33, JustHall_28, Pivoine_29, Chomp_29, Bxz1_29, Gabriel_29, Tortoise16_28, LolaVinca_32, TinyTim_29, Delilah_29, Dessert_27, BigCity_33, Melpomini_28, Capablanca_31, CindyLou_29, Guwapp_29, DrPhinkDaddy_29, Salacia_31, Willis_29, Quasimodo_29, Erdmann_30, ShiaLabeouf_29, Rahel_29, Littleton_29, ValleyTerrace_29, SilverDipper_30, Mikro_27, YoungMoneyMata_29, Ngannou_27, Naval22_31, Roots515_29, Spec_27, Jaygup_29, Labradorite_28, GlutenPhree_30, MikeLiesIn_29, Catera_27, Tyke_31, Ewok_29, Momo_28
- Track 4 : Delylah_30
- Track 5 : Vortex_35
- Track 6 : EasyJones_28, Rizal_27, Bowman_28
- Track 7 : JayJay_32, Mangeria_32, Jessibeth14_28, Cleatunium_25, ScottMcG_29, Darko_28, Sebata_29, Blackdragon_24, ChickenPhender_28, Fludd_28, Yassified_26, Primadonna_24
- Track 8 : Moby_23, LookingGlass_32
- Track 9 : Specks_34, ZygoTaiga_29, Phusco_29, Breeniome_29, Gamgam_29, FudgeTart_30, Ading_29, Naija_29
- Track 10 : ET08_24, Rabinovish_28, Alice_24, Stubby_27, Sauce_30, HyRo_28, Shelob_31, Pinkcreek_21, Moiqah_23, RoMag_24, DeejaClivia_25, QBert_27, Flabslab_30, Pupusa_36, Shifa_26

- Track 11 : SVoro_28, EmToTheThree_32, Iota_26, Loanshark_29
- Track 12 : Bigswole_35, NoodleTree_28
- Track 13 : Dandelion_33, Nappy_30
- Track 14 : DirtMonster_28, ArcherS7_28, PurduePete_28, SrishMeg2525_28, Morizzled23_28, Kamryn_29, Nidhogg_30, Megamind_29, BackyardAgain_26, Wally_28
- Track 15 : Substance289_26, Burrough_29, Zeenon_31, Bipolarisk_28, Napoleon13_28
- Track 16 : Concombre_28, JigglyPuff_29
- Track 17 : Pier_31
- Track 18 : Spud_31, Ablatia_28
- Track 19 : NuevoMundo_32, Cactojaque_26, Essence_28
- Track 20 : Ronan_24
- Track 21 : Cane17_22, Colt_22
- Track 22 : Blubba_23
- Track 23 : FoxtrotP1_29
- Track 24 : Issimir_29
- Track 25 : Belieber_25
- Track 26 : Tonenili_33
- Track 27 : Demodog_27
- Track 28 : BeanWater_25
- Track 29 : Trinitium_28
- Track 30 : Caravan_27
- Track 31 : Grayson_141, Peregrin_142
- Track 32 : Trina_138
- Track 33 : NiceHouse_121
- Track 34 : BlueNGold_124
- Track 35 : Mareelih_123, Forza_125, Boopy_125
- Track 36 : Sixama_124
- Track 37 : Syleon_54
- Track 38 : Octobien14_54
- Track 39 : Sephiroth_52
- Track 40 : Kudrefre_53
- Track 41 : FreakyGoo_117
- Track 42 : Skinny_122
- Track 43 : Reindeer_119
- Track 44 : Auspice_116, IPhane7_114, Bricole_118, Diminimus_117, Izel_117, Dulcita_117, TyDawg_111, Bongo_116, TpudiCK_118
- Track 45 : RoseMarie_125
- Track 46 : Glaske16_119, KleverKiS_119, LilhomieP_116, PegLeg_120
- Track 47 : MontyDev_80
- Track 48 : Nilo_80, Riparian_80, Rope_78, Zenon_80
- Track 49 : Yelo_77, Send513_78, Candle_76
- Track 50 : Weiss13_78

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

The start number called the most often in the published annotations is 23, it was called in 146 of the 214 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ablatia_28, Adlitam_29, Alice_24, Amataga_29, ArcherS7_28, Asterius_30, Astraea_30, Atlantean_29, Audrick_31, Ava3_30, Babyland_28, BackyardAgain_26, BadAgartude_30, BananaFence_30, Bangla1971_28, Basquiat_28, Bezza_21, BigCity_33, Bigswole_35, Blackbrain_27, Blubba_23, BobaPhatt_26, Bonray_29, Bowman_28, Bread_30, Bxz1_29, Cali_29, Capablanca_31, Catera_27, Chargie21_28, CharlieB_29, ChaylaJr_28, Chomp_29, CindyLou_29, Concombre_28, DTDevon_30, Daffodil_31, DeejaClivia_25, Delilah_29, Derek_30, Dessert_27, Dietrick_24, DirtMonster_28, Domi_24, DrPhinkDaddy_29, Drazdys_29, Duckfeet_26, ET08_24, EasyJones_28, EggYFarm_33, EmToTheThree_32, EmmaElysia_27, Erdmann_30, ErnieJ_30, Ewok_29, Fixie_26, FlabsLab_30, Fongie_29, FoxtrotP1_29, FrayBell_35, Gabriel_29, Ghost_29, Gizmo_31, GlutenPhree_30, Grasshills_33, Grungle_22, Guwapp_29, Halldule_25, HyRo_28, I3_31, IkeLoa_25, InigoMontoya_30, InterFolia_36, Iota_26, Issimir_29, Izajani_30, JPickles_27, Janiyra_29, Jaygup_29, Jedediah_29, Jemmno_29, Jezreel_28, JigglyPuff_29, JulietS_24, JustHall_28, Kamryn_29, Kboogie_29, Khaleesi_28, Koguma_25, LRRHood_26, Labradorite_28, Latch_29, Lee7_28, Lethe_28, LifeSavor_30, LinStu_29, Littleton_29, Loanshark_29, LolaVinca_32, LordLeafot_35, Lukilu_22, Lunareta_28, Maby2021_30, Matsumoto_28, McGee_28, McWolfish_28, Megamind_29, Melpomini_28, MikeLiesIn_29, Mikro_27, MoMoMixon_30, Moiqah_23, Momo_28, Montpel_28, Morizzled23_28, Naval22_31, NedWong_30, Ngannou_27, Nidhogg_30, NoodleTree_28, Norm_29, OrediggerDelux_28, ParkTD_28, Patter_29, PharkleMinkus_34, Phlegm_31, Phox_28, Pier_31, Pinkcreek_21, Pio_32, Pivoine_29, Pleione_31, Pupusa_36, PurduePete_28, QBert_27, Quasimodo_29, Rabinovish_28, Rahel_29, Rizal_27, RoMag_24, Rocha_27, Ronan_24, Roots515_29, SVoro_28, Salacia_31, Sauce_30, Shaqnato_25, Shelob_31, ShiaLabeouf_29, Shifa_26, Shnickers_29, Shrimp_29, SilverDipper_30, SmallFry_29, Spec_27, Sprinklers_29, Spud_31, SrishMeg2525_28, StephanieG_29, StubbySaigey_28, Stubby_27, Tainan_34, Teardrop_28, TinyTim_29, Tortoise16_28, Trinitium_28, Turret_27, Tyke_31, ValleyTerrace_29, Wally_28, Willis_29, YemiJoy2021_30, YoungMoneyMata_29, Yucca_29, Zalkecks_31,

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

- Ading_29, Bipolarisk_28, Blackdragon_24, Breeniome_29, Burrough_29, ChickenPhender_28, Cleatunium_25, Darko_28, Demodog_27, Fludd_28, FudgeTart_30, Gamgam_29, JayJay_32, Jessibeth14_28, LookingGlass_32, Mangeria_32, Moby_23, Naija_29, Napoleon13_28, Phusco_29, Primadonna_24, ScottMcG_29, Sebata_29, Specks_34, Substance289_26, Yassified_26, Zeenon_31, ZygoTaiga_29,

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

- Auspice_116, BeanWater_25, Belieber_25, BlueNGold_124, Bongo_116, Boopy_125, Bricole_118, Cactojaque_26, Candle_76, Cane17_22, Caravan_27, Colt_22, Dandelion_33, Delylah_30, Diminimus_117, Dulcita_117, Essence_28, Forza_125, FreakyGoo_117, Glaske16_119, Grayson_141, IPHane7_114, Indlulamithi_79, Izel_117, KleverKiS_119, Kudrefre_53, LilhomieP_116, Mareelih_123, MontyDev_80, Nappy_30, NiceHouse_121, Nilo_80, NuevoMundo_32, Octobien14_54, PegLeg_120, Peregrin_142, Reindeer_119, Riparian_80, Rope_78, RoseMarie_125, Send513_78, Sephiroth_52, Sixama_124, Skinny_122, Syleon_54, Tonenili_33, TpudiCK_118, Trina_138, TyDawg_111, Vortrix_35, Weiss13_78, Yelo_77, Zenon_80,

Summary by start number:

Start 15:

- Found in 5 of 256 (2.0%) of genes in pham
- Manual Annotations of this start: 4 of 214
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Nilo_80 (R), Riparian_80 (R), Rope_78 (R), Zenon_80 (R),

Start 16:

- Found in 9 of 256 (3.5%) of genes in pham
- Manual Annotations of this start: 4 of 214
- Called 55.6% of time when present
- Phage (with cluster) where this start called: Candle_76 (R), MontyDev_80 (R), Send513_78 (R), Weiss13_78 (R), Yelo_77 (R),

Start 18:

- Found in 21 of 256 (8.2%) of genes in pham
- Manual Annotations of this start: 18 of 214
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Auspice_116 (M1), Bongo_116 (M1), Bricole_118 (M1), Diminimus_117 (M1), Dulcita_117 (M1), FreakyGoo_117 (M1), Glaske16_119 (M1), IPhone7_114 (M1), Izel_117 (M1), KleverKiS_119 (M1), Kudrefre_53 (DU1), LilhomieP_116 (M1), Octobien14_54 (DU1), PegLeg_120 (M1), Reindeer_119 (M1), RoseMarie_125 (M1), Sephiroth_52 (DU1), Skinny_122 (M1), Syleon_54 (DU1), TpudiCK_118 (M1), TyDawg_111 (M1),

Start 20:

- Found in 31 of 256 (12.1%) of genes in pham
- Manual Annotations of this start: 2 of 214
- Called 6.5% of time when present
- Phage (with cluster) where this start called: BlueNGold_124 (DS), Sixama_124 (DS),

Start 21:

- Found in 4 of 256 (1.6%) of genes in pham
- Manual Annotations of this start: 4 of 214
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Grayson_141 (CB), NiceHouse_121 (CE), Peregrin_142 (CB), Trina_138 (CE),

Start 23:

- Found in 203 of 256 (79.3%) of genes in pham
- Manual Annotations of this start: 146 of 214
- Called 86.2% of time when present
- Phage (with cluster) where this start called: Ablatia_28 (C1), Adlitam_29 (C1), Alice_24 (C1), Amataga_29 (C1), ArcherS7_28 (C1), Asterius_30 (C1), Astraea_30 (C1), Atlantean_29 (C1), Audrick_31 (C1), Ava3_30 (C1), Babyland_28 (C1), BackyardAgain_26 (C1), BadAgartude_30 (C1), BananaFence_30 (C1), Bangla1971_28 (C1), Basquiat_28 (C1), Bezza_21 (C1), BigCity_33 (C1), Bigswole_35 (C1), Blackbrain_27 (C1), Blubba_23 (C1), BobaPhatt_26 (C1), Bonray_29 (C1), Bowman_28 (C1), Bread_30 (C1), Bxz1_29 (C1), Cali_29 (C1), Capablanca_31 (C1), Catera_27 (C1), Chargie21_28 (C1), CharlieB_29 (C1), ChaylaJr_28 (C1), Chomp_29 (C1), CindyLou_29 (C1), Concombre_28 (C1),

DTDevon_30 (C1), Daffodil_31 (C1), DeejaClivia_25 (C1), Delilah_29 (C1), Derek_30 (C1), Dessert_27 (C1), Dietrick_24 (C1), DirtMonster_28 (C1), Domi_24 (C1), DrPhinkDaddy_29 (C1), Drazdys_29 (C1), Duckfeet_26 (C1), ET08_24 (C1), EasyJones_28 (C1), EggyFarm_33 (C1), EmToTheThree_32 (C1), EmmaElysia_27 (C1), Erdmann_30 (C1), ErnieJ_30 (C1), Ewok_29 (C1), Fixie_26 (C1), Flabslab_30 (C1), Fongie_29 (C1), FoxtrotP1_29 (C1), FrayBell_35 (C1), Gabriel_29 (C1), Ghost_29 (C1), Gizmo_31 (C1), GlutenPhree_30 (C1), Grasshills_33 (C1), Grungle_22 (C1), Guwapp_29 (C1), Halldule_25 (C1), HyRo_28 (C1), I3_31 (C1), IkeLoa_25 (C1), InigoMontoya_30 (C1), InterFolia_36 (C1), Iota_26 (C1), Issimir_29 (C1), Izajani_30 (C1), JPickles_27 (C1), Janiyra_29 (C1), Jaygup_29 (C1), Jedediah_29 (C1), Jemmno_29 (C1), Jezreel_28 (C1), JigglyPuff_29 (C1), JulietS_24 (C1), JustHall_28 (C1), Kamryn_29 (C1), Kboogie_29 (C1), Khaleesi_28 (C1), Koguma_25 (C1), LRRHood_26 (C1), Labradorite_28 (C1), Latch_29 (C1), Lee7_28 (C1), Lethe_28 (C1), LifeSavor_30 (C1), LinStu_29 (C1), Littleton_29 (C1), Loanshark_29 (C1), LolaVinca_32 (C1), LordLeafolot_35 (C1), Lukilu_22 (C1), Lunareta_28 (C1), Maby2021_30 (C1), Matsumoto_28 (C1), McGee_28 (C1), McWolfish_28 (C1), Megamind_29 (C1), Melpomini_28 (C1), MikeLiesIn_29 (C1), Mikro_27 (C1), MoMoMixon_30 (C1), Moiqah_23 (C1), Momo_28 (C1), Montpel_28 (C1), Morizzled23_28 (C1), Naval22_31 (C1), NedWong_30 (C1), Ngannou_27 (C1), Nidhogg_30 (C1), NoodleTree_28 (C1), Norm_29 (C1), OrediggerDelux_28 (C1), ParkTD_28 (C1), Patter_29 (C1), PharkleMinkus_34 (C1), Phlegm_31 (C1), Phox_28 (C1), Pier_31 (C1), Pinkcreek_21 (C1), Pio_32 (C1), Pivoine_29 (C1), Pleione_31 (C1), Pupusa_36 (C1), PurduePete_28 (C1), QBert_27 (C1), Quasimodo_29 (C1), Rabinovich_28 (C1), Rahel_29 (C1), Rizal_27 (C1), RoMag_24 (C1), Rocha_27 (C1), Ronan_24 (C1), Roots515_29 (C1), SVoro_28 (C1), Salacia_31 (C1), Sauce_30 (C1), Shaqnato_25 (C1), Shelob_31 (C1), Shialabeouf_29 (C1), Shifa_26 (C1), Shnickers_29 (C1), Shrimp_29 (C1), SilverDipper_30 (C1), SmallFry_29 (C1), Spec_27 (C1), Sprinklers_29 (C1), Spud_31 (C1), SrishMeg2525_28 (C1), StephanieG_29 (C1), StubbySaigey_28 (C1), Stubby_27 (C1), Tainan_34 (C1), Teardrop_28 (C1), TinyTim_29 (C1), Tortoise16_28 (C1), Trinitium_28 (C1), Turret_27 (C1), Tyke_31 (C1), ValleyTerrace_29 (C1), Wally_28 (C1), Willis_29 (C1), YemiJoy2021_30 (C1), YoungMoneyMata_29 (C1), Yucca_29 (C1), Zalkecks_31 (C1),

Start 24:

- Found in 13 of 256 (5.1%) of genes in pham
- Manual Annotations of this start: 11 of 214
- Called 92.3% of time when present
- Phage (with cluster) where this start called: BeanWater_25 (C1), Cactojaque_26 (C1), Cane17_22 (C1), Caravan_27 (C1), Colt_22 (C1), Dandelion_33 (C1), Delylah_30 (C1), Essence_28 (C1), Nappy_30 (C1), NuevoMundo_32 (C1), Tonenili_33 (C1), Vortrix_35 (C1),

Start 26:

- Found in 217 of 256 (84.8%) of genes in pham
- Manual Annotations of this start: 22 of 214
- Called 13.8% of time when present
- Phage (with cluster) where this start called: Ading_29 (C1), Belieber_25 (C1), Bipolarisk_28 (C1), Blackdragon_24 (C1), Breeniome_29 (C1), Burrough_29 (C1), ChickenPhender_28 (C1), Cleatunium_25 (C1), Darko_28 (C1), Demodog_27 (C1), Fludd_28 (C1), FudgeTart_30 (C1), Gamgam_29 (C1), Indlulamithi_79 (AC), JayJay_32 (C1), Jessibeth14_28 (C1), LookingGlass_32 (C1), Mangeria_32 (C1), Moby_23 (C1), Naija_29 (C1), Napoleon13_28 (C1), Phusco_29 (C1),

Primadonna_24 (C1), ScottMcG_29 (C1), Sebata_29 (C1), Specks_34 (C1), Substance289_26 (C1), Yassified_26 (C1), Zeenon_31 (C1), ZygoTaiga_29 (C1),

Start 27:

- Found in 5 of 256 (2.0%) of genes in pham
- Manual Annotations of this start: 3 of 214
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Boopy_125 (DS), Forza_125 (DS), Mareelih_123 (DS),

Summary by clusters:

There are 8 clusters represented in this pham: AC, CB, CE, R, M1, DU1, C1, DS,

Info for manual annotations of cluster AC:

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

Info for manual annotations of cluster C1:

- Start number 23 was manually annotated 146 times for cluster C1.
- Start number 24 was manually annotated 11 times for cluster C1.
- Start number 26 was manually annotated 21 times for cluster C1.

Info for manual annotations of cluster CB:

- Start number 21 was manually annotated 2 times for cluster CB.

Info for manual annotations of cluster CE:

- Start number 21 was manually annotated 2 times for cluster CE.

Info for manual annotations of cluster DS:

- Start number 20 was manually annotated 2 times for cluster DS.
- Start number 27 was manually annotated 3 times for cluster DS.

Info for manual annotations of cluster DU1:

- Start number 18 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster M1:

- Start number 18 was manually annotated 14 times for cluster M1.

Info for manual annotations of cluster R:

- Start number 15 was manually annotated 4 times for cluster R.
- Start number 16 was manually annotated 4 times for cluster R.

Gene Information:

Gene: Ablatia_28 Start: 8577, Stop: 9521, Start Num: 23

Candidate Starts for Ablatia_28:

(Start: 23 @8577 has 146 MA's), (Start: 26 @8583 has 22 MA's), (52, 8706), (61, 8745), (64, 8769), (73, 8922), (75, 8931), (80, 8967), (81, 8979), (88, 9072), (92, 9153), (95, 9159), (100, 9207), (109, 9327), (117, 9438), (120, 9459), (124, 9489),

Gene: Ading_29 Start: 8846, Stop: 9784, Start Num: 26

Candidate Starts for Ading_29:

(Start: 23 @8840 has 146 MA's), (Start: 26 @8846 has 22 MA's), (52, 8969), (61, 9008), (64, 9032), (73, 9185), (75, 9194), (80, 9230), (81, 9242), (88, 9335), (92, 9416), (95, 9422), (100, 9470), (109, 9590), (117, 9701), (120, 9722), (124, 9752),

Gene: Adlitam_29 Start: 8857, Stop: 9801, Start Num: 23

Candidate Starts for Adlitam_29:

(Start: 23 @8857 has 146 MA's), (Start: 26 @8863 has 22 MA's), (52, 8986), (61, 9025), (64, 9049), (73, 9202), (75, 9211), (80, 9247), (81, 9259), (88, 9352), (92, 9433), (95, 9439), (100, 9487), (109, 9607), (117, 9718), (120, 9739), (124, 9769),

Gene: Alice_24 Start: 7935, Stop: 8879, Start Num: 23

Candidate Starts for Alice_24:

(Start: 23 @7935 has 146 MA's), (Start: 26 @7941 has 22 MA's), (52, 8064), (61, 8103), (64, 8127), (73, 8280), (75, 8289), (80, 8325), (81, 8337), (88, 8430), (92, 8511), (95, 8517), (100, 8565), (109, 8685), (114, 8769), (117, 8796), (120, 8817), (124, 8847),

Gene: Amataga_29 Start: 8861, Stop: 9805, Start Num: 23

Candidate Starts for Amataga_29:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109, 9611), (117, 9722), (120, 9743), (124, 9773),

Gene: ArcherS7_28 Start: 8851, Stop: 9795, Start Num: 23

Candidate Starts for ArcherS7_28:

(Start: 23 @8851 has 146 MA's), (Start: 26 @8857 has 22 MA's), (52, 8980), (61, 9019), (64, 9043), (73, 9196), (75, 9205), (80, 9241), (81, 9253), (88, 9346), (92, 9427), (95, 9433), (100, 9481), (109, 9601), (117, 9712), (120, 9733), (124, 9763),

Gene: Asterius_30 Start: 9126, Stop: 10070, Start Num: 23

Candidate Starts for Asterius_30:

(Start: 23 @9126 has 146 MA's), (Start: 26 @9132 has 22 MA's), (52, 9255), (61, 9294), (64, 9318), (73, 9471), (75, 9480), (80, 9516), (81, 9528), (88, 9621), (92, 9702), (95, 9708), (100, 9756), (109, 9876), (117, 9987), (120, 10008), (124, 10038),

Gene: Astraea_30 Start: 9031, Stop: 9975, Start Num: 23

Candidate Starts for Astraea_30:

(Start: 23 @9031 has 146 MA's), (Start: 26 @9037 has 22 MA's), (52, 9160), (61, 9199), (64, 9223), (73, 9376), (75, 9385), (80, 9421), (81, 9433), (88, 9526), (92, 9607), (95, 9613), (100, 9661), (109, 9781), (117, 9892), (120, 9913), (124, 9943),

Gene: Atlantean_29 Start: 8861, Stop: 9805, Start Num: 23

Candidate Starts for Atlantean_29:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109, 9611), (117, 9722), (120, 9743), (124, 9773),

Gene: Audrick_31 Start: 8840, Stop: 9784, Start Num: 23

Candidate Starts for Audrick_31:

(Start: 23 @8840 has 146 MA's), (Start: 26 @8846 has 22 MA's), (52, 8969), (61, 9008), (64, 9032), (73, 9185), (75, 9194), (80, 9230), (81, 9242), (88, 9335), (92, 9416), (95, 9422), (100, 9470), (109, 9590), (117, 9701), (120, 9722), (124, 9752),

Gene: Auspice_116 Start: 62097, Stop: 62996, Start Num: 18

Candidate Starts for Auspice_116:

(17, 62091), (Start: 18 @62097 has 18 MA's), (Start: 20 @62109 has 2 MA's), (30, 62142), (39, 62178), (42, 62208), (43, 62214), (57, 62262), (63, 62301), (70, 62382), (71, 62391), (74, 62442), (84, 62550), (85, 62562), (94, 62643), (101, 62706), (103, 62721), (105, 62727), (109, 62802), (112, 62856), (113, 62868), (115, 62892), (118, 62916), (119, 62928), (123, 62964),

Gene: Ava3_30 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for Ava3_30:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: Babyland_28 Start: 8299, Stop: 9243, Start Num: 23

Candidate Starts for Babyland_28:

(Start: 23 @8299 has 146 MA's), (Start: 26 @8305 has 22 MA's), (52, 8428), (61, 8467), (64, 8491), (73, 8644), (75, 8653), (80, 8689), (81, 8701), (88, 8794), (92, 8875), (95, 8881), (100, 8929), (109, 9049), (117, 9160), (120, 9181), (124, 9211),

Gene: BackyardAgain_26 Start: 8280, Stop: 9224, Start Num: 23

Candidate Starts for BackyardAgain_26:

(Start: 23 @8280 has 146 MA's), (Start: 26 @8286 has 22 MA's), (52, 8409), (61, 8448), (64, 8472), (73, 8625), (75, 8634), (80, 8670), (81, 8682), (88, 8775), (92, 8856), (95, 8862), (100, 8910), (109, 9030), (117, 9141), (120, 9162), (124, 9192),

Gene: BadAgartude_30 Start: 9493, Stop: 10437, Start Num: 23

Candidate Starts for BadAgartude_30:

(Start: 23 @9493 has 146 MA's), (Start: 26 @9499 has 22 MA's), (52, 9622), (61, 9661), (64, 9685), (73, 9838), (75, 9847), (80, 9883), (81, 9895), (88, 9988), (92, 10069), (95, 10075), (100, 10123), (109, 10243), (117, 10354), (120, 10375), (124, 10405),

Gene: BananaFence_30 Start: 9290, Stop: 10234, Start Num: 23

Candidate Starts for BananaFence_30:

(Start: 23 @9290 has 146 MA's), (Start: 26 @9296 has 22 MA's), (52, 9419), (61, 9458), (64, 9482), (73, 9635), (75, 9644), (80, 9680), (81, 9692), (88, 9785), (92, 9866), (95, 9872), (100, 9920), (109, 10040), (117, 10151), (120, 10172), (124, 10202),

Gene: Bangla1971_28 Start: 8857, Stop: 9801, Start Num: 23

Candidate Starts for Bangla1971_28:

(Start: 23 @8857 has 146 MA's), (Start: 26 @8863 has 22 MA's), (52, 8986), (61, 9025), (64, 9049), (73, 9202), (75, 9211), (80, 9247), (81, 9259), (88, 9352), (92, 9433), (95, 9439), (100, 9487), (109, 9607), (117, 9718), (120, 9739), (124, 9769),

Gene: Basquiat_28 Start: 8280, Stop: 9224, Start Num: 23

Candidate Starts for Basquiat_28:

(Start: 23 @8280 has 146 MA's), (Start: 26 @8286 has 22 MA's), (52, 8409), (61, 8448), (64, 8472), (73, 8625), (75, 8634), (80, 8670), (81, 8682), (88, 8775), (92, 8856), (95, 8862), (100, 8910), (109, 9030), (117, 9141), (120, 9162), (124, 9192),

Gene: BeanWater_25 Start: 9250, Stop: 10194, Start Num: 24

Candidate Starts for BeanWater_25:

(Start: 24 @9250 has 11 MA's), (Start: 26 @9256 has 22 MA's), (52, 9379), (61, 9418), (64, 9442), (73, 9595), (75, 9604), (80, 9640), (81, 9652), (88, 9745), (92, 9826), (95, 9832), (100, 9880), (109, 10000),

(114, 10084), (117, 10111), (120, 10132), (124, 10162),

Gene: Belieber_25 Start: 8053, Stop: 8991, Start Num: 26

Candidate Starts for Belieber_25:

(Start: 24 @8047 has 11 MA's), (Start: 26 @8053 has 22 MA's), (52, 8176), (61, 8215), (64, 8239), (73, 8392), (75, 8401), (80, 8437), (81, 8449), (88, 8542), (92, 8623), (95, 8629), (100, 8677), (109, 8797), (117, 8908), (120, 8929), (124, 8959),

Gene: Bezza_21 Start: 7926, Stop: 8870, Start Num: 23

Candidate Starts for Bezza_21:

(Start: 23 @7926 has 146 MA's), (Start: 26 @7932 has 22 MA's), (52, 8055), (61, 8094), (64, 8118), (73, 8271), (75, 8280), (80, 8316), (81, 8328), (88, 8421), (92, 8502), (95, 8508), (100, 8556), (109, 8676), (117, 8787), (120, 8808), (124, 8838),

Gene: BigCity_33 Start: 10386, Stop: 11330, Start Num: 23

Candidate Starts for BigCity_33:

(Start: 23 @10386 has 146 MA's), (Start: 26 @10392 has 22 MA's), (52, 10515), (61, 10554), (64, 10578), (73, 10731), (75, 10740), (80, 10776), (81, 10788), (88, 10881), (92, 10962), (95, 10968), (100, 11016), (109, 11136), (117, 11247), (120, 11268), (124, 11298),

Gene: Bigswole_35 Start: 11196, Stop: 12140, Start Num: 23

Candidate Starts for Bigswole_35:

(Start: 23 @11196 has 146 MA's), (Start: 26 @11202 has 22 MA's), (52, 11325), (61, 11364), (64, 11388), (73, 11541), (75, 11550), (80, 11586), (81, 11598), (88, 11691), (92, 11772), (95, 11778), (100, 11826), (109, 11946), (117, 12057), (120, 12078), (124, 12108),

Gene: Bipolarisk_28 Start: 9123, Stop: 10061, Start Num: 26

Candidate Starts for Bipolarisk_28:

(Start: 23 @9117 has 146 MA's), (Start: 26 @9123 has 22 MA's), (52, 9246), (61, 9285), (64, 9309), (73, 9462), (75, 9471), (80, 9507), (81, 9519), (88, 9612), (92, 9693), (95, 9699), (100, 9747), (109, 9867), (117, 9978), (120, 9999), (124, 10029),

Gene: Blackbrain_27 Start: 8096, Stop: 9040, Start Num: 23

Candidate Starts for Blackbrain_27:

(Start: 23 @8096 has 146 MA's), (Start: 26 @8102 has 22 MA's), (52, 8225), (61, 8264), (64, 8288), (73, 8441), (75, 8450), (80, 8486), (81, 8498), (88, 8591), (92, 8672), (95, 8678), (100, 8726), (109, 8846), (117, 8957), (120, 8978), (124, 9008),

Gene: Blackdragon_24 Start: 7900, Stop: 8838, Start Num: 26

Candidate Starts for Blackdragon_24:

(Start: 23 @7894 has 146 MA's), (Start: 26 @7900 has 22 MA's), (52, 8023), (61, 8062), (64, 8086), (73, 8239), (75, 8248), (80, 8284), (81, 8296), (88, 8389), (92, 8470), (95, 8476), (100, 8524), (109, 8644), (117, 8755), (120, 8776), (124, 8806),

Gene: Blubba_23 Start: 7587, Stop: 8531, Start Num: 23

Candidate Starts for Blubba_23:

(Start: 23 @7587 has 146 MA's), (Start: 26 @7593 has 22 MA's), (52, 7716), (61, 7755), (64, 7779), (73, 7932), (75, 7941), (80, 7977), (81, 7989), (88, 8082), (92, 8163), (95, 8169), (100, 8217), (114, 8421), (117, 8448), (120, 8469), (124, 8499),

Gene: BlueNGold_124 Start: 79970, Stop: 79086, Start Num: 20

Candidate Starts for BlueNGold_124:

(Start: 20 @79970 has 2 MA's), (Start: 27 @79946 has 3 MA's), (38, 79907), (48, 79841), (60, 79799), (61, 79790), (82, 79556), (83, 79550), (98, 79415), (100, 79391), (103, 79352), (113, 79205), (121, 79139),

Gene: BobaPhatt_26 Start: 8291, Stop: 9235, Start Num: 23

Candidate Starts for BobaPhatt_26:

(Start: 23 @8291 has 146 MA's), (Start: 26 @8297 has 22 MA's), (52, 8420), (61, 8459), (64, 8483), (73, 8636), (75, 8645), (80, 8681), (81, 8693), (88, 8786), (92, 8867), (95, 8873), (100, 8921), (109, 9041), (117, 9152), (120, 9173), (124, 9203),

Gene: Bongo_116 Start: 61713, Stop: 62612, Start Num: 18

Candidate Starts for Bongo_116:

(17, 61707), (Start: 18 @61713 has 18 MA's), (Start: 20 @61725 has 2 MA's), (30, 61758), (39, 61794), (42, 61824), (43, 61830), (57, 61878), (63, 61917), (70, 61998), (71, 62007), (74, 62058), (84, 62166), (85, 62178), (94, 62259), (101, 62322), (103, 62337), (105, 62343), (109, 62418), (112, 62472), (113, 62484), (115, 62508), (118, 62532), (119, 62544), (123, 62580),

Gene: Bonray_29 Start: 9394, Stop: 10338, Start Num: 23

Candidate Starts for Bonray_29:

(Start: 23 @9394 has 146 MA's), (Start: 26 @9400 has 22 MA's), (52, 9523), (61, 9562), (64, 9586), (73, 9739), (75, 9748), (80, 9784), (81, 9796), (88, 9889), (92, 9970), (95, 9976), (100, 10024), (109, 10144), (117, 10255), (120, 10276), (124, 10306),

Gene: Boopy_125 Start: 79958, Stop: 79098, Start Num: 27

Candidate Starts for Boopy_125:

(Start: 20 @79982 has 2 MA's), (Start: 27 @79958 has 3 MA's), (38, 79919), (48, 79853), (60, 79811), (61, 79802), (82, 79568), (83, 79562), (98, 79427), (100, 79403), (103, 79364), (113, 79217), (121, 79151),

Gene: Bowman_28 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for Bowman_28:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: Bread_30 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for Bread_30:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: Breeniome_29 Start: 8286, Stop: 9233, Start Num: 26

Candidate Starts for Breeniome_29:

(Start: 23 @8280 has 146 MA's), (Start: 26 @8286 has 22 MA's), (52, 8409), (61, 8448), (64, 8472), (73, 8625), (75, 8634), (80, 8670), (81, 8682), (88, 8775), (92, 8856), (95, 8862), (100, 8919), (109, 9039), (117, 9150), (120, 9171), (124, 9201),

Gene: Bricole_118 Start: 61861, Stop: 62760, Start Num: 18

Candidate Starts for Bricole_118:

(17, 61855), (Start: 18 @61861 has 18 MA's), (Start: 20 @61873 has 2 MA's), (30, 61906), (39, 61942), (42, 61972), (43, 61978), (57, 62026), (63, 62065), (70, 62146), (71, 62155), (74, 62206), (84, 62314), (85, 62326), (94, 62407), (101, 62470), (103, 62485), (105, 62491), (109, 62566), (112, 62620), (113, 62632), (115, 62656), (118, 62680), (119, 62692), (123, 62728),

Gene: Burrough_29 Start: 9123, Stop: 10061, Start Num: 26

Candidate Starts for Burrough_29:

(Start: 23 @9117 has 146 MA's), (Start: 26 @9123 has 22 MA's), (52, 9246), (61, 9285), (64, 9309), (73, 9462), (75, 9471), (80, 9507), (81, 9519), (88, 9612), (92, 9693), (95, 9699), (100, 9747), (109, 9867), (117, 9978), (120, 9999), (124, 10029),

Gene: Bxz1_29 Start: 9866, Stop: 10810, Start Num: 23

Candidate Starts for Bxz1_29:

(Start: 23 @9866 has 146 MA's), (Start: 26 @9872 has 22 MA's), (52, 9995), (61, 10034), (64, 10058), (73, 10211), (75, 10220), (80, 10256), (81, 10268), (88, 10361), (92, 10442), (95, 10448), (100, 10496), (109, 10616), (117, 10727), (120, 10748), (124, 10778),

Gene: Cactojaque_26 Start: 7985, Stop: 8929, Start Num: 24

Candidate Starts for Cactojaque_26:

(Start: 24 @7985 has 11 MA's), (Start: 26 @7991 has 22 MA's), (52, 8114), (61, 8153), (64, 8177), (73, 8330), (75, 8339), (80, 8375), (81, 8387), (88, 8480), (92, 8561), (95, 8567), (100, 8615), (109, 8735), (117, 8846), (120, 8867), (124, 8897),

Gene: Cali_29 Start: 10427, Stop: 11371, Start Num: 23

Candidate Starts for Cali_29:

(Start: 23 @10427 has 146 MA's), (Start: 26 @10433 has 22 MA's), (52, 10556), (61, 10595), (64, 10619), (73, 10772), (75, 10781), (80, 10817), (81, 10829), (88, 10922), (92, 11003), (95, 11009), (100, 11057), (109, 11177), (117, 11288), (120, 11309), (124, 11339),

Gene: Candle_76 Start: 60340, Stop: 61302, Start Num: 16

Candidate Starts for Candle_76:

(Start: 16 @60340 has 4 MA's), (17, 60358), (Start: 20 @60376 has 2 MA's), (36, 60433), (51, 60505), (52, 60508), (57, 60523), (58, 60526), (59, 60529), (62, 60547), (65, 60571), (67, 60616), (70, 60643), (71, 60652), (72, 60676), (74, 60703), (77, 60730), (79, 60739), (80, 60745), (84, 60811), (87, 60847), (91, 60865), (97, 60946), (98, 60961), (100, 60985), (105, 61027), (106, 61033), (112, 61156), (117, 61213), (122, 61249),

Gene: Cane17_22 Start: 7459, Stop: 8403, Start Num: 24

Candidate Starts for Cane17_22:

(Start: 24 @7459 has 11 MA's), (Start: 26 @7465 has 22 MA's), (52, 7588), (61, 7627), (64, 7651), (73, 7804), (75, 7813), (80, 7849), (81, 7861), (88, 7954), (92, 8035), (95, 8041), (100, 8089), (114, 8293), (117, 8320), (120, 8341), (124, 8371),

Gene: Capablanca_31 Start: 9986, Stop: 10930, Start Num: 23

Candidate Starts for Capablanca_31:

(Start: 23 @9986 has 146 MA's), (Start: 26 @9992 has 22 MA's), (52, 10115), (61, 10154), (64, 10178), (73, 10331), (75, 10340), (80, 10376), (81, 10388), (88, 10481), (92, 10562), (95, 10568), (100, 10616), (109, 10736), (117, 10847), (120, 10868), (124, 10898),

Gene: Caravan_27 Start: 8676, Stop: 9620, Start Num: 24

Candidate Starts for Caravan_27:

(Start: 24 @8676 has 11 MA's), (Start: 26 @8682 has 22 MA's), (52, 8805), (61, 8844), (64, 8868), (73, 9021), (75, 9030), (80, 9066), (81, 9078), (88, 9171), (92, 9252), (95, 9258), (100, 9306), (109, 9426), (117, 9537), (120, 9558), (124, 9588),

Gene: Catera_27 Start: 8284, Stop: 9228, Start Num: 23

Candidate Starts for Catera_27:

(Start: 23 @8284 has 146 MA's), (Start: 26 @8290 has 22 MA's), (52, 8413), (61, 8452), (64, 8476), (73, 8629), (75, 8638), (80, 8674), (81, 8686), (88, 8779), (92, 8860), (95, 8866), (100, 8914), (109, 9034), (117, 9145), (120, 9166), (124, 9196),

Gene: Chargie21_28 Start: 8280, Stop: 9224, Start Num: 23

Candidate Starts for Chargie21_28:

(Start: 23 @8280 has 146 MA's), (Start: 26 @8286 has 22 MA's), (52, 8409), (61, 8448), (64, 8472), (73, 8625), (75, 8634), (80, 8670), (81, 8682), (88, 8775), (92, 8856), (95, 8862), (100, 8910), (109, 9030), (117, 9141), (120, 9162), (124, 9192),

Gene: CharlieB_29 Start: 8437, Stop: 9381, Start Num: 23

Candidate Starts for CharlieB_29:

(Start: 23 @8437 has 146 MA's), (Start: 26 @8443 has 22 MA's), (52, 8566), (61, 8605), (64, 8629), (73, 8782), (75, 8791), (80, 8827), (81, 8839), (88, 8932), (92, 9013), (95, 9019), (100, 9067), (109, 9187), (117, 9298), (120, 9319), (124, 9349),

Gene: ChaylaJr_28 Start: 8367, Stop: 9311, Start Num: 23

Candidate Starts for ChaylaJr_28:

(Start: 23 @8367 has 146 MA's), (Start: 26 @8373 has 22 MA's), (52, 8496), (61, 8535), (64, 8559), (73, 8712), (75, 8721), (80, 8757), (81, 8769), (88, 8862), (92, 8943), (95, 8949), (100, 8997), (109, 9117), (117, 9228), (120, 9249), (124, 9279),

Gene: ChickenPhender_28 Start: 8331, Stop: 9269, Start Num: 26

Candidate Starts for ChickenPhender_28:

(Start: 23 @8325 has 146 MA's), (Start: 26 @8331 has 22 MA's), (52, 8454), (61, 8493), (64, 8517), (73, 8670), (75, 8679), (80, 8715), (81, 8727), (88, 8820), (92, 8901), (95, 8907), (100, 8955), (109, 9075), (117, 9186), (120, 9207), (124, 9237),

Gene: Chomp_29 Start: 8861, Stop: 9805, Start Num: 23

Candidate Starts for Chomp_29:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109, 9611), (117, 9722), (120, 9743), (124, 9773),

Gene: CindyLou_29 Start: 8861, Stop: 9805, Start Num: 23

Candidate Starts for CindyLou_29:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109, 9611), (117, 9722), (120, 9743), (124, 9773),

Gene: Cleatunium_25 Start: 8562, Stop: 9494, Start Num: 26

Candidate Starts for Cleatunium_25:

(Start: 23 @8556 has 146 MA's), (Start: 26 @8562 has 22 MA's), (52, 8685), (61, 8724), (64, 8748), (73, 8901), (75, 8910), (80, 8946), (81, 8958), (88, 9051), (92, 9132), (95, 9138), (100, 9186), (109, 9306), (117, 9417), (120, 9438), (124, 9468),

Gene: Colt_22 Start: 7465, Stop: 8409, Start Num: 24

Candidate Starts for Colt_22:

(Start: 24 @7465 has 11 MA's), (Start: 26 @7471 has 22 MA's), (52, 7594), (61, 7633), (64, 7657), (73, 7810), (75, 7819), (80, 7855), (81, 7867), (88, 7960), (92, 8041), (95, 8047), (100, 8095), (114, 8299), (117, 8326), (120, 8347), (124, 8377),

Gene: Concombre_28 Start: 9632, Stop: 10576, Start Num: 23

Candidate Starts for Concombre_28:

(Start: 23 @9632 has 146 MA's), (Start: 26 @9638 has 22 MA's), (52, 9761), (61, 9800), (64, 9824), (73, 9977), (75, 9986), (80, 10022), (81, 10034), (88, 10127), (92, 10208), (95, 10214), (100, 10262), (109, 10382), (117, 10493), (120, 10514), (124, 10544),

Gene: DTDevon_30 Start: 10025, Stop: 10969, Start Num: 23

Candidate Starts for DTDevon_30:

(Start: 23 @10025 has 146 MA's), (Start: 26 @10031 has 22 MA's), (52, 10154), (61, 10193), (64, 10217), (73, 10370), (75, 10379), (80, 10415), (81, 10427), (88, 10520), (92, 10601), (95, 10607), (100, 10655), (109, 10775), (117, 10886), (120, 10907), (124, 10937),

Gene: Daffodil_31 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for Daffodil_31:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: Dandelion_33 Start: 10721, Stop: 11665, Start Num: 24

Candidate Starts for Dandelion_33:

(Start: 24 @10721 has 11 MA's), (Start: 26 @10727 has 22 MA's), (52, 10850), (61, 10889), (64, 10913), (73, 11066), (75, 11075), (80, 11111), (81, 11123), (86, 11204), (88, 11216), (92, 11297), (95, 11303), (100, 11351), (109, 11471), (117, 11582), (120, 11603), (124, 11633),

Gene: Darko_28 Start: 9265, Stop: 10203, Start Num: 26

Candidate Starts for Darko_28:

(Start: 23 @9259 has 146 MA's), (Start: 26 @9265 has 22 MA's), (52, 9388), (61, 9427), (64, 9451), (73, 9604), (75, 9613), (80, 9649), (81, 9661), (88, 9754), (92, 9835), (95, 9841), (100, 9889), (109, 10009), (117, 10120), (120, 10141), (124, 10171),

Gene: DeejaClivia_25 Start: 7944, Stop: 8888, Start Num: 23

Candidate Starts for DeejaClivia_25:

(Start: 23 @7944 has 146 MA's), (Start: 26 @7950 has 22 MA's), (52, 8073), (61, 8112), (64, 8136), (73, 8289), (75, 8298), (80, 8334), (81, 8346), (88, 8439), (92, 8520), (95, 8526), (100, 8574), (109, 8694), (114, 8778), (117, 8805), (120, 8826), (124, 8856),

Gene: Delilah_29 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for Delilah_29:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: Delylah_30 Start: 9186, Stop: 10130, Start Num: 24

Candidate Starts for Delylah_30:

(Start: 24 @9186 has 11 MA's), (Start: 26 @9192 has 22 MA's), (52, 9315), (61, 9354), (64, 9378), (73, 9531), (75, 9540), (80, 9576), (81, 9588), (88, 9681), (92, 9762), (95, 9768), (100, 9816), (109, 9936), (114, 10020), (117, 10047), (120, 10068), (124, 10098),

Gene: Demodog_27 Start: 9638, Stop: 10576, Start Num: 26

Candidate Starts for Demodog_27:

(Start: 23 @9632 has 146 MA's), (Start: 26 @9638 has 22 MA's), (52, 9761), (61, 9800), (64, 9824), (73, 9977), (75, 9986), (80, 10022), (81, 10034), (88, 10127), (92, 10208), (95, 10214), (100, 10262), (109, 10382), (117, 10493), (120, 10514), (124, 10544),

Gene: Derek_30 Start: 8818, Stop: 9762, Start Num: 23

Candidate Starts for Derek_30:

(Start: 23 @8818 has 146 MA's), (Start: 26 @8824 has 22 MA's), (52, 8947), (61, 8986), (64, 9010), (73, 9163), (75, 9172), (80, 9208), (81, 9220), (88, 9313), (92, 9394), (95, 9400), (100, 9448), (109, 9568), (117, 9679), (120, 9700), (124, 9730),

Gene: Dessert_27 Start: 8861, Stop: 9805, Start Num: 23

Candidate Starts for Dessert_27:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109, 9611), (117, 9722), (120, 9743), (124, 9773),

Gene: Dietrick_24 Start: 8053, Stop: 8997, Start Num: 23

Candidate Starts for Dietrick_24:

(Start: 23 @8053 has 146 MA's), (Start: 26 @8059 has 22 MA's), (52, 8182), (61, 8221), (64, 8245), (73, 8398), (75, 8407), (80, 8443), (81, 8455), (88, 8548), (92, 8629), (95, 8635), (100, 8683), (109, 8803), (117, 8914), (120, 8935), (124, 8965),

Gene: Diminimus_117 Start: 61708, Stop: 62607, Start Num: 18

Candidate Starts for Diminimus_117:

(17, 61702), (Start: 18 @61708 has 18 MA's), (Start: 20 @61720 has 2 MA's), (30, 61753), (39, 61789), (42, 61819), (43, 61825), (57, 61873), (63, 61912), (70, 61993), (71, 62002), (74, 62053), (84, 62161), (85, 62173), (94, 62254), (101, 62317), (103, 62332), (105, 62338), (109, 62413), (112, 62467), (113, 62479), (115, 62503), (118, 62527), (119, 62539), (123, 62575),

Gene: DirtMonster_28 Start: 9944, Stop: 10888, Start Num: 23

Candidate Starts for DirtMonster_28:

(Start: 23 @9944 has 146 MA's), (Start: 26 @9950 has 22 MA's), (52, 10073), (61, 10112), (64, 10136), (73, 10289), (75, 10298), (80, 10334), (81, 10346), (88, 10439), (92, 10520), (95, 10526), (100, 10574), (109, 10694), (117, 10805), (120, 10826), (124, 10856),

Gene: Domi_24 Start: 8678, Stop: 9622, Start Num: 23

Candidate Starts for Domi_24:

(Start: 23 @8678 has 146 MA's), (Start: 26 @8684 has 22 MA's), (52, 8807), (61, 8846), (64, 8870), (73, 9023), (75, 9032), (80, 9068), (81, 9080), (88, 9173), (92, 9254), (95, 9260), (100, 9308), (109, 9428), (117, 9539), (120, 9560), (124, 9590),

Gene: DrPhinkDaddy_29 Start: 9403, Stop: 10347, Start Num: 23

Candidate Starts for DrPhinkDaddy_29:

(Start: 23 @9403 has 146 MA's), (Start: 26 @9409 has 22 MA's), (52, 9532), (61, 9571), (64, 9595), (73, 9748), (75, 9757), (80, 9793), (81, 9805), (88, 9898), (92, 9979), (95, 9985), (100, 10033), (109, 10153), (117, 10264), (120, 10285), (124, 10315),

Gene: Drazdys_29 Start: 9191, Stop: 10135, Start Num: 23

Candidate Starts for Drazdys_29:

(Start: 23 @9191 has 146 MA's), (Start: 26 @9197 has 22 MA's), (52, 9320), (61, 9359), (64, 9383), (73, 9536), (75, 9545), (80, 9581), (81, 9593), (88, 9686), (92, 9767), (95, 9773), (100, 9821), (109, 9941), (117, 10052), (120, 10073), (124, 10103),

Gene: Duckfeet_26 Start: 8597, Stop: 9541, Start Num: 23

Candidate Starts for Duckfeet_26:

(Start: 23 @8597 has 146 MA's), (Start: 26 @8603 has 22 MA's), (52, 8726), (61, 8765), (64, 8789), (73, 8942), (75, 8951), (80, 8987), (81, 8999), (88, 9092), (92, 9173), (95, 9179), (100, 9227), (109,

9347), (117, 9458), (120, 9479), (124, 9509),

Gene: Dulcita_117 Start: 61709, Stop: 62608, Start Num: 18

Candidate Starts for Dulcita_117:

(17, 61703), (Start: 18 @61709 has 18 MA's), (Start: 20 @61721 has 2 MA's), (30, 61754), (39, 61790), (42, 61820), (43, 61826), (57, 61874), (63, 61913), (70, 61994), (71, 62003), (74, 62054), (84, 62162), (85, 62174), (94, 62255), (101, 62318), (103, 62333), (105, 62339), (109, 62414), (112, 62468), (113, 62480), (115, 62504), (118, 62528), (119, 62540), (123, 62576),

Gene: ET08_24 Start: 8862, Stop: 9806, Start Num: 23

Candidate Starts for ET08_24:

(Start: 23 @8862 has 146 MA's), (Start: 26 @8868 has 22 MA's), (52, 8991), (61, 9030), (64, 9054), (73, 9207), (75, 9216), (80, 9252), (81, 9264), (88, 9357), (92, 9438), (95, 9444), (100, 9492), (109, 9612), (114, 9696), (117, 9723), (120, 9744), (124, 9774),

Gene: EasyJones_28 Start: 8030, Stop: 8974, Start Num: 23

Candidate Starts for EasyJones_28:

(Start: 23 @8030 has 146 MA's), (Start: 26 @8036 has 22 MA's), (52, 8159), (61, 8198), (64, 8222), (73, 8375), (75, 8384), (80, 8420), (81, 8432), (88, 8525), (92, 8606), (95, 8612), (100, 8660), (109, 8780), (117, 8891), (120, 8912), (124, 8942),

Gene: EggyFarm_33 Start: 10386, Stop: 11330, Start Num: 23

Candidate Starts for EggyFarm_33:

(Start: 23 @10386 has 146 MA's), (Start: 26 @10392 has 22 MA's), (52, 10515), (61, 10554), (64, 10578), (73, 10731), (75, 10740), (80, 10776), (81, 10788), (88, 10881), (92, 10962), (95, 10968), (100, 11016), (109, 11136), (117, 11247), (120, 11268), (124, 11298),

Gene: EmToTheThree_32 Start: 10820, Stop: 11764, Start Num: 23

Candidate Starts for EmToTheThree_32:

(Start: 23 @10820 has 146 MA's), (Start: 26 @10826 has 22 MA's), (52, 10949), (61, 10988), (64, 11012), (73, 11165), (75, 11174), (80, 11210), (81, 11222), (88, 11315), (92, 11396), (95, 11402), (100, 11450), (109, 11570), (114, 11654), (117, 11681), (120, 11702), (124, 11732),

Gene: EmmaElysia_27 Start: 8045, Stop: 8989, Start Num: 23

Candidate Starts for EmmaElysia_27:

(Start: 23 @8045 has 146 MA's), (Start: 26 @8051 has 22 MA's), (52, 8174), (61, 8213), (64, 8237), (73, 8390), (75, 8399), (80, 8435), (81, 8447), (88, 8540), (92, 8621), (95, 8627), (100, 8675), (109, 8795), (117, 8906), (120, 8927), (124, 8957),

Gene: Erdmann_30 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for Erdmann_30:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: ErnieJ_30 Start: 9226, Stop: 10170, Start Num: 23

Candidate Starts for ErnieJ_30:

(Start: 23 @9226 has 146 MA's), (Start: 26 @9232 has 22 MA's), (52, 9355), (61, 9394), (64, 9418), (73, 9571), (75, 9580), (80, 9616), (81, 9628), (88, 9721), (92, 9802), (95, 9808), (100, 9856), (109, 9976), (117, 10087), (120, 10108), (124, 10138),

Gene: Essence_28 Start: 8580, Stop: 9524, Start Num: 24

Candidate Starts for Essence_28:

(Start: 24 @8580 has 11 MA's), (Start: 26 @8586 has 22 MA's), (52, 8709), (61, 8748), (64, 8772), (73, 8925), (75, 8934), (80, 8970), (81, 8982), (88, 9075), (92, 9156), (95, 9162), (100, 9210), (109, 9330), (117, 9441), (120, 9462), (124, 9492),

Gene: Ewok_29 Start: 9409, Stop: 10353, Start Num: 23

Candidate Starts for Ewok_29:

(Start: 23 @9409 has 146 MA's), (Start: 26 @9415 has 22 MA's), (52, 9538), (61, 9577), (64, 9601), (73, 9754), (75, 9763), (80, 9799), (81, 9811), (88, 9904), (92, 9985), (95, 9991), (100, 10039), (109, 10159), (117, 10270), (120, 10291), (124, 10321),

Gene: Fixie_26 Start: 8028, Stop: 8972, Start Num: 23

Candidate Starts for Fixie_26:

(Start: 23 @8028 has 146 MA's), (Start: 26 @8034 has 22 MA's), (52, 8157), (61, 8196), (64, 8220), (73, 8373), (75, 8382), (80, 8418), (81, 8430), (88, 8523), (92, 8604), (95, 8610), (100, 8658), (109, 8778), (117, 8889), (120, 8910), (124, 8940),

Gene: Flabslab_30 Start: 9336, Stop: 10280, Start Num: 23

Candidate Starts for Flabslab_30:

(Start: 23 @9336 has 146 MA's), (Start: 26 @9342 has 22 MA's), (52, 9465), (61, 9504), (64, 9528), (73, 9681), (75, 9690), (80, 9726), (81, 9738), (88, 9831), (92, 9912), (95, 9918), (100, 9966), (109, 10086), (114, 10170), (117, 10197), (120, 10218), (124, 10248),

Gene: Fludd_28 Start: 8287, Stop: 9225, Start Num: 26

Candidate Starts for Fludd_28:

(Start: 23 @8281 has 146 MA's), (Start: 26 @8287 has 22 MA's), (52, 8410), (61, 8449), (64, 8473), (73, 8626), (75, 8635), (80, 8671), (81, 8683), (88, 8776), (92, 8857), (95, 8863), (100, 8911), (109, 9031), (117, 9142), (120, 9163), (124, 9193),

Gene: Fongie_29 Start: 9941, Stop: 10885, Start Num: 23

Candidate Starts for Fongie_29:

(Start: 23 @9941 has 146 MA's), (Start: 26 @9947 has 22 MA's), (52, 10070), (61, 10109), (64, 10133), (73, 10286), (75, 10295), (80, 10331), (81, 10343), (88, 10436), (92, 10517), (95, 10523), (100, 10571), (109, 10691), (117, 10802), (120, 10823), (124, 10853),

Gene: Forza_125 Start: 79874, Stop: 79014, Start Num: 27

Candidate Starts for Forza_125:

(Start: 20 @79898 has 2 MA's), (Start: 27 @79874 has 3 MA's), (38, 79835), (48, 79769), (60, 79727), (61, 79718), (82, 79484), (83, 79478), (98, 79343), (100, 79319), (103, 79280), (113, 79133), (121, 79067),

Gene: FoxtrotP1_29 Start: 9734, Stop: 10678, Start Num: 23

Candidate Starts for FoxtrotP1_29:

(Start: 23 @9734 has 146 MA's), (Start: 26 @9740 has 22 MA's), (52, 9863), (61, 9902), (64, 9926), (73, 10079), (75, 10088), (80, 10124), (81, 10136), (88, 10229), (92, 10310), (95, 10316), (98, 10340), (100, 10364), (109, 10484), (117, 10595), (120, 10616), (124, 10646),

Gene: FrayBell_35 Start: 10974, Stop: 11918, Start Num: 23

Candidate Starts for FrayBell_35:

(Start: 23 @10974 has 146 MA's), (Start: 26 @10980 has 22 MA's), (52, 11103), (61, 11142), (64, 11166), (73, 11319), (75, 11328), (80, 11364), (81, 11376), (88, 11469), (92, 11550), (95, 11556), (100, 11604), (109, 11724), (117, 11835), (120, 11856), (124, 11886),

Gene: FreakyGoo_117 Start: 62193, Stop: 63092, Start Num: 18

Candidate Starts for FreakyGoo_117:

(17, 62187), (Start: 18 @62193 has 18 MA's), (Start: 20 @62205 has 2 MA's), (30, 62238), (39, 62274), (42, 62304), (43, 62310), (57, 62358), (63, 62397), (70, 62478), (71, 62487), (74, 62538), (84, 62646), (85, 62658), (94, 62739), (99, 62772), (101, 62802), (103, 62817), (105, 62823), (109, 62898), (112, 62952), (113, 62964), (115, 62988), (118, 63012), (119, 63024), (123, 63060),

Gene: FudgeTart_30 Start: 9412, Stop: 10350, Start Num: 26

Candidate Starts for FudgeTart_30:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: Gabriel_29 Start: 8280, Stop: 9224, Start Num: 23

Candidate Starts for Gabriel_29:

(Start: 23 @8280 has 146 MA's), (Start: 26 @8286 has 22 MA's), (52, 8409), (61, 8448), (64, 8472), (73, 8625), (75, 8634), (80, 8670), (81, 8682), (88, 8775), (92, 8856), (95, 8862), (100, 8910), (109, 9030), (117, 9141), (120, 9162), (124, 9192),

Gene: Gamgam_29 Start: 8867, Stop: 9805, Start Num: 26

Candidate Starts for Gamgam_29:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109, 9611), (117, 9722), (120, 9743), (124, 9773),

Gene: Ghost_29 Start: 8861, Stop: 9805, Start Num: 23

Candidate Starts for Ghost_29:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109, 9611), (117, 9722), (120, 9743), (124, 9773),

Gene: Gizmo_31 Start: 9408, Stop: 10352, Start Num: 23

Candidate Starts for Gizmo_31:

(Start: 23 @9408 has 146 MA's), (Start: 26 @9414 has 22 MA's), (52, 9537), (61, 9576), (64, 9600), (73, 9753), (75, 9762), (80, 9798), (81, 9810), (88, 9903), (92, 9984), (95, 9990), (100, 10038), (109, 10158), (117, 10269), (120, 10290), (124, 10320),

Gene: Glaske16_119 Start: 62826, Stop: 63725, Start Num: 18

Candidate Starts for Glaske16_119:

(17, 62820), (Start: 18 @62826 has 18 MA's), (Start: 20 @62838 has 2 MA's), (30, 62871), (39, 62907), (42, 62937), (43, 62943), (57, 62991), (63, 63030), (70, 63111), (71, 63120), (74, 63171), (84, 63279), (85, 63291), (94, 63372), (101, 63435), (103, 63450), (105, 63456), (109, 63531), (113, 63597), (115, 63621), (119, 63657), (123, 63693),

Gene: GlutenPhree_30 Start: 8861, Stop: 9805, Start Num: 23

Candidate Starts for GlutenPhree_30:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109, 9611), (117, 9722), (120, 9743), (124, 9773),

Gene: Grasshills_33 Start: 10386, Stop: 11330, Start Num: 23

Candidate Starts for Grasshills_33:

(Start: 23 @10386 has 146 MA's), (Start: 26 @10392 has 22 MA's), (52, 10515), (61, 10554), (64, 10578), (73, 10731), (75, 10740), (80, 10776), (81, 10788), (88, 10881), (92, 10962), (95, 10968), (100,

11016), (109, 11136), (117, 11247), (120, 11268), (124, 11298),

Gene: Grayson_141 Start: 80240, Stop: 81109, Start Num: 21

Candidate Starts for Grayson_141:

(13, 80162), (Start: 21 @80240 has 4 MA's), (66, 80477), (76, 80585), (82, 80642), (93, 80771), (116, 81032),

Gene: Grungle_22 Start: 6977, Stop: 7921, Start Num: 23

Candidate Starts for Grungle_22:

(Start: 23 @6977 has 146 MA's), (Start: 26 @6983 has 22 MA's), (52, 7106), (61, 7145), (64, 7169), (73, 7322), (75, 7331), (80, 7367), (81, 7379), (88, 7472), (92, 7553), (95, 7559), (100, 7607), (109, 7727), (117, 7838), (120, 7859), (124, 7889),

Gene: Guwapp_29 Start: 8818, Stop: 9762, Start Num: 23

Candidate Starts for Guwapp_29:

(Start: 23 @8818 has 146 MA's), (Start: 26 @8824 has 22 MA's), (52, 8947), (61, 8986), (64, 9010), (73, 9163), (75, 9172), (80, 9208), (81, 9220), (88, 9313), (92, 9394), (95, 9400), (100, 9448), (109, 9568), (117, 9679), (120, 9700), (124, 9730),

Gene: Halldule_25 Start: 7647, Stop: 8591, Start Num: 23

Candidate Starts for Halldule_25:

(Start: 23 @7647 has 146 MA's), (Start: 26 @7653 has 22 MA's), (52, 7776), (61, 7815), (64, 7839), (73, 7992), (75, 8001), (80, 8037), (81, 8049), (88, 8142), (92, 8223), (95, 8229), (100, 8277), (109, 8397), (117, 8508), (120, 8529), (124, 8559),

Gene: HyRo_28 Start: 9593, Stop: 10537, Start Num: 23

Candidate Starts for HyRo_28:

(Start: 23 @9593 has 146 MA's), (Start: 26 @9599 has 22 MA's), (52, 9722), (61, 9761), (64, 9785), (73, 9938), (75, 9947), (80, 9983), (81, 9995), (88, 10088), (92, 10169), (95, 10175), (100, 10223), (109, 10343), (114, 10427), (117, 10454), (120, 10475), (124, 10505),

Gene: I3_31 Start: 9973, Stop: 10917, Start Num: 23

Candidate Starts for I3_31:

(Start: 23 @9973 has 146 MA's), (Start: 26 @9979 has 22 MA's), (52, 10102), (61, 10141), (64, 10165), (73, 10318), (75, 10327), (80, 10363), (81, 10375), (88, 10468), (92, 10549), (95, 10555), (100, 10603), (109, 10723), (117, 10834), (120, 10855), (124, 10885),

Gene: IPHane7_114 Start: 61713, Stop: 62612, Start Num: 18

Candidate Starts for IPHane7_114:

(17, 61707), (Start: 18 @61713 has 18 MA's), (Start: 20 @61725 has 2 MA's), (30, 61758), (39, 61794), (42, 61824), (43, 61830), (57, 61878), (63, 61917), (70, 61998), (71, 62007), (74, 62058), (84, 62166), (85, 62178), (94, 62259), (101, 62322), (103, 62337), (105, 62343), (109, 62418), (112, 62472), (113, 62484), (115, 62508), (118, 62532), (119, 62544), (123, 62580),

Gene: IkeLoa_25 Start: 8704, Stop: 9648, Start Num: 23

Candidate Starts for IkeLoa_25:

(Start: 23 @8704 has 146 MA's), (Start: 26 @8710 has 22 MA's), (52, 8833), (61, 8872), (64, 8896), (73, 9049), (75, 9058), (80, 9094), (81, 9106), (88, 9199), (92, 9280), (95, 9286), (100, 9334), (109, 9454), (117, 9565), (120, 9586), (124, 9616),

Gene: Indlulamithi_79 Start: 56823, Stop: 57701, Start Num: 26

Candidate Starts for Indlulamithi_79:

(Start: 26 @56823 has 22 MA's), (31, 56841), (38, 56865), (45, 56913), (46, 56916), (65, 57000), (69, 57054), (71, 57081), (75, 57138), (77, 57159), (79, 57168), (82, 57210), (84, 57240), (91, 57294), (100, 57384), (111, 57543), (112, 57558), (116, 57606), (117, 57615),

Gene: InigoMontoya_30 Start: 8822, Stop: 9766, Start Num: 23

Candidate Starts for InigoMontoya_30:

(Start: 23 @8822 has 146 MA's), (Start: 26 @8828 has 22 MA's), (52, 8951), (61, 8990), (64, 9014), (73, 9167), (75, 9176), (80, 9212), (81, 9224), (88, 9317), (92, 9398), (95, 9404), (100, 9452), (109, 9572), (117, 9683), (120, 9704), (124, 9734),

Gene: InterFolia_36 Start: 11512, Stop: 12456, Start Num: 23

Candidate Starts for InterFolia_36:

(Start: 23 @11512 has 146 MA's), (Start: 26 @11518 has 22 MA's), (52, 11641), (61, 11680), (64, 11704), (73, 11857), (75, 11866), (80, 11902), (81, 11914), (88, 12007), (92, 12088), (95, 12094), (100, 12142), (109, 12262), (117, 12373), (120, 12394), (124, 12424),

Gene: Iota_26 Start: 8941, Stop: 9885, Start Num: 23

Candidate Starts for Iota_26:

(Start: 23 @8941 has 146 MA's), (Start: 26 @8947 has 22 MA's), (52, 9070), (61, 9109), (64, 9133), (73, 9286), (75, 9295), (80, 9331), (81, 9343), (88, 9436), (92, 9517), (95, 9523), (100, 9571), (109, 9691), (114, 9775), (117, 9802), (120, 9823), (124, 9853),

Gene: Issimir_29 Start: 9401, Stop: 10345, Start Num: 23

Candidate Starts for Issimir_29:

(Start: 23 @9401 has 146 MA's), (Start: 26 @9407 has 22 MA's), (52, 9530), (61, 9569), (64, 9593), (73, 9746), (75, 9755), (80, 9791), (81, 9803), (88, 9896), (92, 9977), (95, 9983), (100, 10031), (109, 10151), (114, 10235), (117, 10262), (120, 10283), (124, 10313),

Gene: Izajani_30 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for Izajani_30:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: Izel_117 Start: 61708, Stop: 62607, Start Num: 18

Candidate Starts for Izel_117:

(17, 61702), (Start: 18 @61708 has 18 MA's), (Start: 20 @61720 has 2 MA's), (30, 61753), (39, 61789), (42, 61819), (43, 61825), (57, 61873), (63, 61912), (70, 61993), (71, 62002), (74, 62053), (84, 62161), (85, 62173), (94, 62254), (101, 62317), (103, 62332), (105, 62338), (109, 62413), (112, 62467), (113, 62479), (115, 62503), (118, 62527), (119, 62539), (123, 62575),

Gene: JPickles_27 Start: 8055, Stop: 8999, Start Num: 23

Candidate Starts for JPickles_27:

(Start: 23 @8055 has 146 MA's), (Start: 26 @8061 has 22 MA's), (52, 8184), (61, 8223), (64, 8247), (73, 8400), (75, 8409), (80, 8445), (81, 8457), (88, 8550), (92, 8631), (95, 8637), (100, 8685), (109, 8805), (117, 8916), (120, 8937), (124, 8967),

Gene: Janiyra_29 Start: 8840, Stop: 9784, Start Num: 23

Candidate Starts for Janiyra_29:

(Start: 23 @8840 has 146 MA's), (Start: 26 @8846 has 22 MA's), (52, 8969), (61, 9008), (64, 9032), (73, 9185), (75, 9194), (80, 9230), (81, 9242), (88, 9335), (92, 9416), (95, 9422), (100, 9470), (109, 9590), (117, 9701), (120, 9722), (124, 9752),

Gene: JayJay_32 Start: 9377, Stop: 10315, Start Num: 26

Candidate Starts for JayJay_32:

(Start: 23 @9371 has 146 MA's), (Start: 26 @9377 has 22 MA's), (52, 9500), (61, 9539), (64, 9563), (73, 9716), (75, 9725), (80, 9761), (81, 9773), (88, 9866), (92, 9947), (95, 9953), (100, 10001), (109, 10121), (117, 10232), (120, 10253), (124, 10283),

Gene: Jaygup_29 Start: 8857, Stop: 9801, Start Num: 23

Candidate Starts for Jaygup_29:

(Start: 23 @8857 has 146 MA's), (Start: 26 @8863 has 22 MA's), (52, 8986), (61, 9025), (64, 9049), (73, 9202), (75, 9211), (80, 9247), (81, 9259), (88, 9352), (92, 9433), (95, 9439), (100, 9487), (109, 9607), (117, 9718), (120, 9739), (124, 9769),

Gene: Jedediah_29 Start: 8326, Stop: 9270, Start Num: 23

Candidate Starts for Jedediah_29:

(Start: 23 @8326 has 146 MA's), (Start: 26 @8332 has 22 MA's), (52, 8455), (61, 8494), (64, 8518), (73, 8671), (75, 8680), (80, 8716), (81, 8728), (88, 8821), (92, 8902), (95, 8908), (100, 8956), (109, 9076), (117, 9187), (120, 9208), (124, 9238),

Gene: Jemmno_29 Start: 8861, Stop: 9805, Start Num: 23

Candidate Starts for Jemmno_29:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109, 9611), (117, 9722), (120, 9743), (124, 9773),

Gene: Jessibeth14_28 Start: 9132, Stop: 10070, Start Num: 26

Candidate Starts for Jessibeth14_28:

(Start: 23 @9126 has 146 MA's), (Start: 26 @9132 has 22 MA's), (52, 9255), (61, 9294), (64, 9318), (73, 9471), (75, 9480), (80, 9516), (81, 9528), (88, 9621), (92, 9702), (95, 9708), (100, 9756), (109, 9876), (117, 9987), (120, 10008), (124, 10038),

Gene: Jezreel_28 Start: 8875, Stop: 9819, Start Num: 23

Candidate Starts for Jezreel_28:

(Start: 23 @8875 has 146 MA's), (Start: 26 @8881 has 22 MA's), (52, 9004), (61, 9043), (64, 9067), (73, 9220), (75, 9229), (80, 9265), (81, 9277), (88, 9370), (92, 9451), (95, 9457), (100, 9505), (109, 9625), (117, 9736), (120, 9757), (124, 9787),

Gene: JigglyPuff_29 Start: 9682, Stop: 10626, Start Num: 23

Candidate Starts for JigglyPuff_29:

(Start: 23 @9682 has 146 MA's), (Start: 26 @9688 has 22 MA's), (52, 9811), (61, 9850), (64, 9874), (73, 10027), (75, 10036), (80, 10072), (81, 10084), (88, 10177), (92, 10258), (95, 10264), (100, 10312), (109, 10432), (117, 10543), (120, 10564), (124, 10594),

Gene: JulietS_24 Start: 7280, Stop: 8224, Start Num: 23

Candidate Starts for JulietS_24:

(Start: 23 @7280 has 146 MA's), (Start: 26 @7286 has 22 MA's), (52, 7409), (61, 7448), (64, 7472), (73, 7625), (75, 7634), (80, 7670), (81, 7682), (88, 7775), (92, 7856), (95, 7862), (100, 7910), (109, 8030), (117, 8141), (120, 8162), (124, 8192),

Gene: JustHall_28 Start: 9306, Stop: 10250, Start Num: 23

Candidate Starts for JustHall_28:

(Start: 23 @9306 has 146 MA's), (Start: 26 @9312 has 22 MA's), (52, 9435), (61, 9474), (64, 9498), (73, 9651), (75, 9660), (80, 9696), (81, 9708), (88, 9801), (92, 9882), (95, 9888), (100, 9936), (109, 10056), (117, 10167), (120, 10188), (124, 10218),

Gene: Kamryn_29 Start: 9179, Stop: 10123, Start Num: 23

Candidate Starts for Kamryn_29:

(Start: 23 @9179 has 146 MA's), (Start: 26 @9185 has 22 MA's), (52, 9308), (61, 9347), (64, 9371), (73, 9524), (75, 9533), (80, 9569), (81, 9581), (88, 9674), (92, 9755), (95, 9761), (100, 9809), (109, 9929), (117, 10040), (120, 10061), (124, 10091),

Gene: Kboogie_29 Start: 8336, Stop: 9280, Start Num: 23

Candidate Starts for Kboogie_29:

(Start: 23 @8336 has 146 MA's), (Start: 26 @8342 has 22 MA's), (52, 8465), (61, 8504), (64, 8528), (73, 8681), (75, 8690), (80, 8726), (81, 8738), (88, 8831), (92, 8912), (95, 8918), (100, 8966), (109, 9086), (117, 9197), (120, 9218), (124, 9248),

Gene: Khaleesi_28 Start: 9153, Stop: 10097, Start Num: 23

Candidate Starts for Khaleesi_28:

(Start: 23 @9153 has 146 MA's), (Start: 26 @9159 has 22 MA's), (52, 9282), (61, 9321), (64, 9345), (73, 9498), (75, 9507), (80, 9543), (81, 9555), (88, 9648), (92, 9729), (95, 9735), (100, 9783), (109, 9903), (117, 10014), (120, 10035), (124, 10065),

Gene: KleverKiS_119 Start: 63198, Stop: 64097, Start Num: 18

Candidate Starts for KleverKiS_119:

(17, 63192), (Start: 18 @63198 has 18 MA's), (Start: 20 @63210 has 2 MA's), (30, 63243), (39, 63279), (42, 63309), (43, 63315), (57, 63363), (63, 63402), (70, 63483), (71, 63492), (74, 63543), (84, 63651), (85, 63663), (94, 63744), (101, 63807), (103, 63822), (105, 63828), (109, 63903), (113, 63969), (115, 63993), (119, 64029), (123, 64065),

Gene: Koguma_25 Start: 7623, Stop: 8567, Start Num: 23

Candidate Starts for Koguma_25:

(Start: 23 @7623 has 146 MA's), (Start: 26 @7629 has 22 MA's), (52, 7752), (61, 7791), (64, 7815), (73, 7968), (75, 7977), (80, 8013), (81, 8025), (88, 8118), (92, 8199), (95, 8205), (100, 8253), (109, 8373), (117, 8484), (120, 8505), (124, 8535),

Gene: Kudrefre_53 Start: 36597, Stop: 37475, Start Num: 18

Candidate Starts for Kudrefre_53:

(Start: 18 @36597 has 18 MA's), (28, 36633), (32, 36648), (34, 36657), (65, 36801), (71, 36882), (75, 36939), (76, 36954), (80, 36975), (89, 37089), (90, 37092), (100, 37176), (102, 37209), (103, 37215), (104, 37218), (110, 37302),

Gene: LRRHood_26 Start: 9546, Stop: 10490, Start Num: 23

Candidate Starts for LRRHood_26:

(Start: 23 @9546 has 146 MA's), (Start: 26 @9552 has 22 MA's), (52, 9675), (61, 9714), (64, 9738), (73, 9891), (75, 9900), (80, 9936), (81, 9948), (88, 10041), (92, 10122), (95, 10128), (100, 10176), (109, 10296), (117, 10407), (120, 10428), (124, 10458),

Gene: Labradorite_28 Start: 8857, Stop: 9801, Start Num: 23

Candidate Starts for Labradorite_28:

(Start: 23 @8857 has 146 MA's), (Start: 26 @8863 has 22 MA's), (52, 8986), (61, 9025), (64, 9049), (73, 9202), (75, 9211), (80, 9247), (81, 9259), (88, 9352), (92, 9433), (95, 9439), (100, 9487), (109, 9607), (117, 9718), (120, 9739), (124, 9769),

Gene: Latch_29 Start: 8861, Stop: 9805, Start Num: 23

Candidate Starts for Latch_29:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109, 9611), (117, 9722), (120, 9743), (124, 9773),

Gene: Lee7_28 Start: 9403, Stop: 10347, Start Num: 23

Candidate Starts for Lee7_28:

(Start: 23 @9403 has 146 MA's), (Start: 26 @9409 has 22 MA's), (52, 9532), (61, 9571), (64, 9595), (73, 9748), (75, 9757), (80, 9793), (81, 9805), (88, 9898), (92, 9979), (95, 9985), (100, 10033), (109, 10153), (117, 10264), (120, 10285), (124, 10315),

Gene: Lethe_28 Start: 9097, Stop: 10041, Start Num: 23

Candidate Starts for Lethe_28:

(Start: 23 @9097 has 146 MA's), (Start: 26 @9103 has 22 MA's), (52, 9226), (61, 9265), (64, 9289), (73, 9442), (75, 9451), (80, 9487), (81, 9499), (88, 9592), (92, 9673), (95, 9679), (100, 9727), (109, 9847), (117, 9958), (120, 9979), (124, 10009),

Gene: LifeSavor_30 Start: 8857, Stop: 9801, Start Num: 23

Candidate Starts for LifeSavor_30:

(Start: 23 @8857 has 146 MA's), (Start: 26 @8863 has 22 MA's), (52, 8986), (61, 9025), (64, 9049), (73, 9202), (75, 9211), (80, 9247), (81, 9259), (88, 9352), (92, 9433), (95, 9439), (100, 9487), (109, 9607), (117, 9718), (120, 9739), (124, 9769),

Gene: LilhomieP_116 Start: 62991, Stop: 63890, Start Num: 18

Candidate Starts for LilhomieP_116:

(17, 62985), (Start: 18 @62991 has 18 MA's), (Start: 20 @63003 has 2 MA's), (30, 63036), (39, 63072), (42, 63102), (43, 63108), (57, 63156), (63, 63195), (70, 63276), (71, 63285), (74, 63336), (84, 63444), (85, 63456), (94, 63537), (101, 63600), (103, 63615), (105, 63621), (109, 63696), (113, 63762), (115, 63786), (119, 63822), (123, 63858),

Gene: LinStu_29 Start: 9756, Stop: 10700, Start Num: 23

Candidate Starts for LinStu_29:

(Start: 23 @9756 has 146 MA's), (Start: 26 @9762 has 22 MA's), (52, 9885), (61, 9924), (64, 9948), (73, 10101), (75, 10110), (80, 10146), (81, 10158), (88, 10251), (92, 10332), (95, 10338), (100, 10386), (109, 10506), (117, 10617), (120, 10638), (124, 10668),

Gene: Littleton_29 Start: 8861, Stop: 9805, Start Num: 23

Candidate Starts for Littleton_29:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109, 9611), (117, 9722), (120, 9743), (124, 9773),

Gene: Loanshark_29 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for Loanshark_29:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (114, 10240), (117, 10267), (120, 10288), (124, 10318),

Gene: LolaVince_32 Start: 10618, Stop: 11562, Start Num: 23

Candidate Starts for LolaVince_32:

(Start: 23 @10618 has 146 MA's), (Start: 26 @10624 has 22 MA's), (52, 10747), (61, 10786), (64, 10810), (73, 10963), (75, 10972), (80, 11008), (81, 11020), (88, 11113), (92, 11194), (95, 11200), (100, 11248), (109, 11368), (117, 11479), (120, 11500), (124, 11530),

Gene: LookingGlass_32 Start: 10183, Stop: 11121, Start Num: 26

Candidate Starts for LookingGlass_32:

(Start: 23 @10177 has 146 MA's), (Start: 26 @10183 has 22 MA's), (52, 10306), (61, 10345), (64, 10369), (73, 10522), (75, 10531), (80, 10567), (81, 10579), (88, 10672), (92, 10753), (95, 10759), (100, 10807), (109, 10927), (114, 11011), (117, 11038), (120, 11059), (124, 11089),

Gene: LordLeafolot_35 Start: 10973, Stop: 11917, Start Num: 23

Candidate Starts for LordLeafolot_35:

(Start: 23 @10973 has 146 MA's), (Start: 26 @10979 has 22 MA's), (52, 11102), (61, 11141), (64, 11165), (73, 11318), (75, 11327), (80, 11363), (81, 11375), (88, 11468), (92, 11549), (95, 11555), (100, 11603), (109, 11723), (117, 11834), (120, 11855), (124, 11885),

Gene: Lukilu_22 Start: 7997, Stop: 8941, Start Num: 23

Candidate Starts for Lukilu_22:

(Start: 23 @7997 has 146 MA's), (Start: 26 @8003 has 22 MA's), (52, 8126), (61, 8165), (64, 8189), (73, 8342), (75, 8351), (80, 8387), (81, 8399), (88, 8492), (92, 8573), (95, 8579), (100, 8627), (109, 8747), (117, 8858), (120, 8879), (124, 8909),

Gene: Lunareta_28 Start: 9137, Stop: 10081, Start Num: 23

Candidate Starts for Lunareta_28:

(Start: 23 @9137 has 146 MA's), (Start: 26 @9143 has 22 MA's), (52, 9266), (61, 9305), (64, 9329), (73, 9482), (75, 9491), (80, 9527), (81, 9539), (88, 9632), (92, 9713), (95, 9719), (100, 9767), (109, 9887), (117, 9998), (120, 10019), (124, 10049),

Gene: Maby2021_30 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for Maby2021_30:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: Mangeria_32 Start: 9935, Stop: 10873, Start Num: 26

Candidate Starts for Mangeria_32:

(Start: 23 @9929 has 146 MA's), (Start: 26 @9935 has 22 MA's), (52, 10058), (61, 10097), (64, 10121), (73, 10274), (75, 10283), (80, 10319), (81, 10331), (88, 10424), (92, 10505), (95, 10511), (100, 10559), (109, 10679), (117, 10790), (120, 10811), (124, 10841),

Gene: Mareelih_123 Start: 79376, Stop: 78516, Start Num: 27

Candidate Starts for Mareelih_123:

(Start: 20 @79400 has 2 MA's), (Start: 27 @79376 has 3 MA's), (38, 79337), (48, 79271), (60, 79229), (61, 79220), (82, 78986), (83, 78980), (98, 78845), (100, 78821), (103, 78782), (113, 78635), (121, 78569),

Gene: Matsumoto_28 Start: 8822, Stop: 9766, Start Num: 23

Candidate Starts for Matsumoto_28:

(Start: 23 @8822 has 146 MA's), (Start: 26 @8828 has 22 MA's), (52, 8951), (61, 8990), (64, 9014), (73, 9167), (75, 9176), (80, 9212), (81, 9224), (88, 9317), (92, 9398), (95, 9404), (100, 9452), (109, 9572), (117, 9683), (120, 9704), (124, 9734),

Gene: McGee_28 Start: 8045, Stop: 8989, Start Num: 23

Candidate Starts for McGee_28:

(Start: 23 @8045 has 146 MA's), (Start: 26 @8051 has 22 MA's), (52, 8174), (61, 8213), (64, 8237), (73, 8390), (75, 8399), (80, 8435), (81, 8447), (88, 8540), (92, 8621), (95, 8627), (100, 8675), (109, 8795), (117, 8906), (120, 8927), (124, 8957),

Gene: McWolfish_28 Start: 9153, Stop: 10097, Start Num: 23

Candidate Starts for McWolfish_28:

(Start: 23 @9153 has 146 MA's), (Start: 26 @9159 has 22 MA's), (52, 9282), (61, 9321), (64, 9345), (73, 9498), (75, 9507), (80, 9543), (81, 9555), (88, 9648), (92, 9729), (95, 9735), (100, 9783), (109, 9903), (117, 10014), (120, 10035), (124, 10065),

Gene: Megamind_29 Start: 9391, Stop: 10335, Start Num: 23

Candidate Starts for Megamind_29:

(Start: 23 @9391 has 146 MA's), (Start: 26 @9397 has 22 MA's), (52, 9520), (61, 9559), (64, 9583), (73, 9736), (75, 9745), (80, 9781), (81, 9793), (88, 9886), (92, 9967), (95, 9973), (100, 10021), (109, 10141), (117, 10252), (120, 10273), (124, 10303),

Gene: Melpomini_28 Start: 8263, Stop: 9207, Start Num: 23

Candidate Starts for Melpomini_28:

(Start: 23 @8263 has 146 MA's), (Start: 26 @8269 has 22 MA's), (52, 8392), (61, 8431), (64, 8455), (73, 8608), (75, 8617), (80, 8653), (81, 8665), (88, 8758), (92, 8839), (95, 8845), (100, 8893), (109, 9013), (117, 9124), (120, 9145), (124, 9175),

Gene: MikeLiesIn_29 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for MikeLiesIn_29:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: Mikro_27 Start: 9892, Stop: 10836, Start Num: 23

Candidate Starts for Mikro_27:

(Start: 23 @9892 has 146 MA's), (Start: 26 @9898 has 22 MA's), (52, 10021), (61, 10060), (64, 10084), (73, 10237), (75, 10246), (80, 10282), (81, 10294), (88, 10387), (92, 10468), (95, 10474), (100, 10522), (109, 10642), (117, 10753), (120, 10774), (124, 10804),

Gene: MoMoMixon_30 Start: 9720, Stop: 10664, Start Num: 23

Candidate Starts for MoMoMixon_30:

(Start: 23 @9720 has 146 MA's), (Start: 26 @9726 has 22 MA's), (52, 9849), (61, 9888), (64, 9912), (73, 10065), (75, 10074), (80, 10110), (81, 10122), (88, 10215), (92, 10296), (95, 10302), (100, 10350), (109, 10470), (117, 10581), (120, 10602), (124, 10632),

Gene: Moby_23 Start: 6407, Stop: 7345, Start Num: 26

Candidate Starts for Moby_23:

(Start: 23 @6401 has 146 MA's), (Start: 26 @6407 has 22 MA's), (52, 6530), (61, 6569), (64, 6593), (73, 6746), (75, 6755), (80, 6791), (81, 6803), (88, 6896), (92, 6977), (95, 6983), (100, 7031), (109, 7151), (114, 7235), (117, 7262), (120, 7283), (124, 7313),

Gene: Moiqah_23 Start: 6401, Stop: 7345, Start Num: 23

Candidate Starts for Moiqah_23:

(Start: 23 @6401 has 146 MA's), (Start: 26 @6407 has 22 MA's), (52, 6530), (61, 6569), (64, 6593), (73, 6746), (75, 6755), (80, 6791), (81, 6803), (88, 6896), (92, 6977), (95, 6983), (100, 7031), (109, 7151), (114, 7235), (117, 7262), (120, 7283), (124, 7313),

Gene: Momo_28 Start: 8861, Stop: 9805, Start Num: 23

Candidate Starts for Momo_28:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109,

9611), (117, 9722), (120, 9743), (124, 9773),

Gene: Montpel_28 Start: 9137, Stop: 10081, Start Num: 23

Candidate Starts for Montpel_28:

(Start: 23 @9137 has 146 MA's), (Start: 26 @9143 has 22 MA's), (52, 9266), (61, 9305), (64, 9329), (73, 9482), (75, 9491), (80, 9527), (81, 9539), (88, 9632), (92, 9713), (95, 9719), (100, 9767), (109, 9887), (117, 9998), (120, 10019), (124, 10049),

Gene: MontyDev_80 Start: 59983, Stop: 60945, Start Num: 16

Candidate Starts for MontyDev_80:

(Start: 16 @59983 has 4 MA's), (17, 60001), (Start: 20 @60019 has 2 MA's), (36, 60076), (51, 60148), (52, 60151), (57, 60166), (58, 60169), (59, 60172), (62, 60190), (65, 60214), (67, 60259), (70, 60286), (71, 60295), (72, 60319), (74, 60346), (77, 60373), (79, 60382), (84, 60454), (87, 60490), (91, 60508), (97, 60589), (98, 60604), (100, 60628), (105, 60670), (106, 60676), (117, 60856), (122, 60892),

Gene: Morizzled23_28 Start: 8257, Stop: 9201, Start Num: 23

Candidate Starts for Morizzled23_28:

(Start: 23 @8257 has 146 MA's), (Start: 26 @8263 has 22 MA's), (52, 8386), (61, 8425), (64, 8449), (73, 8602), (75, 8611), (80, 8647), (81, 8659), (88, 8752), (92, 8833), (95, 8839), (100, 8887), (109, 9007), (117, 9118), (120, 9139), (124, 9169),

Gene: Naija_29 Start: 8867, Stop: 9805, Start Num: 26

Candidate Starts for Naija_29:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109, 9611), (117, 9722), (120, 9743), (124, 9773),

Gene: Napoleon13_28 Start: 8282, Stop: 9220, Start Num: 26

Candidate Starts for Napoleon13_28:

(Start: 23 @8276 has 146 MA's), (Start: 26 @8282 has 22 MA's), (52, 8405), (61, 8444), (64, 8468), (73, 8621), (75, 8630), (80, 8666), (81, 8678), (88, 8771), (92, 8852), (95, 8858), (100, 8906), (109, 9026), (117, 9137), (120, 9158), (124, 9188),

Gene: Nappy_30 Start: 9571, Stop: 10515, Start Num: 24

Candidate Starts for Nappy_30:

(Start: 24 @9571 has 11 MA's), (Start: 26 @9577 has 22 MA's), (52, 9700), (61, 9739), (64, 9763), (73, 9916), (75, 9925), (80, 9961), (81, 9973), (86, 10054), (88, 10066), (92, 10147), (95, 10153), (100, 10201), (109, 10321), (117, 10432), (120, 10453), (124, 10483),

Gene: Naval22_31 Start: 9446, Stop: 10390, Start Num: 23

Candidate Starts for Naval22_31:

(Start: 23 @9446 has 146 MA's), (Start: 26 @9452 has 22 MA's), (52, 9575), (61, 9614), (64, 9638), (73, 9791), (75, 9800), (80, 9836), (81, 9848), (88, 9941), (92, 10022), (95, 10028), (100, 10076), (109, 10196), (117, 10307), (120, 10328), (124, 10358),

Gene: NedWong_30 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for NedWong_30:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: Ngannou_27 Start: 8037, Stop: 8981, Start Num: 23

Candidate Starts for Ngannou_27:

(Start: 23 @8037 has 146 MA's), (Start: 26 @8043 has 22 MA's), (52, 8166), (61, 8205), (64, 8229), (73, 8382), (75, 8391), (80, 8427), (81, 8439), (88, 8532), (92, 8613), (95, 8619), (100, 8667), (109, 8787), (117, 8898), (120, 8919), (124, 8949),

Gene: NiceHouse_121 Start: 80985, Stop: 81857, Start Num: 21

Candidate Starts for NiceHouse_121:

(Start: 21 @80985 has 4 MA's), (22, 80991), (41, 81072), (47, 81096), (50, 81111), (52, 81117), (56, 81129), (57, 81135), (62, 81159), (67, 81225), (68, 81231), (76, 81333), (83, 81396), (86, 81447), (96, 81525), (100, 81558), (113, 81744), (114, 81762), (115, 81768),

Gene: Nidhogg_30 Start: 9470, Stop: 10414, Start Num: 23

Candidate Starts for Nidhogg_30:

(Start: 23 @9470 has 146 MA's), (Start: 26 @9476 has 22 MA's), (52, 9599), (61, 9638), (64, 9662), (73, 9815), (75, 9824), (80, 9860), (81, 9872), (88, 9965), (92, 10046), (95, 10052), (100, 10100), (109, 10220), (117, 10331), (120, 10352), (124, 10382),

Gene: Nilo_80 Start: 60329, Stop: 61303, Start Num: 15

Candidate Starts for Nilo_80:

(14, 60326), (Start: 15 @60329 has 4 MA's), (Start: 16 @60341 has 4 MA's), (17, 60359), (Start: 20 @60377 has 2 MA's), (36, 60434), (51, 60506), (52, 60509), (57, 60524), (58, 60527), (59, 60530), (62, 60548), (65, 60572), (67, 60617), (70, 60644), (71, 60653), (72, 60677), (74, 60704), (77, 60731), (79, 60740), (80, 60746), (84, 60812), (87, 60848), (91, 60866), (97, 60947), (98, 60962), (100, 60986), (105, 61028), (106, 61034), (112, 61157), (117, 61214), (122, 61250),

Gene: NoodleTree_28 Start: 9168, Stop: 10112, Start Num: 23

Candidate Starts for NoodleTree_28:

(Start: 23 @9168 has 146 MA's), (Start: 26 @9174 has 22 MA's), (52, 9297), (61, 9336), (64, 9360), (73, 9513), (75, 9522), (80, 9558), (81, 9570), (88, 9663), (92, 9744), (95, 9750), (100, 9798), (109, 9918), (117, 10029), (120, 10050), (124, 10080),

Gene: Norm_29 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for Norm_29:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: NuevoMundo_32 Start: 10460, Stop: 11404, Start Num: 24

Candidate Starts for NuevoMundo_32:

(Start: 24 @10460 has 11 MA's), (Start: 26 @10466 has 22 MA's), (52, 10589), (61, 10628), (64, 10652), (73, 10805), (75, 10814), (80, 10850), (81, 10862), (88, 10955), (92, 11036), (95, 11042), (100, 11090), (109, 11210), (117, 11321), (120, 11342), (124, 11372),

Gene: Octobien14_54 Start: 37174, Stop: 38052, Start Num: 18

Candidate Starts for Octobien14_54:

(Start: 18 @37174 has 18 MA's), (19, 37180), (28, 37210), (32, 37225), (34, 37234), (65, 37378), (71, 37459), (75, 37516), (76, 37531), (80, 37552), (89, 37666), (90, 37669), (100, 37753), (102, 37786), (103, 37792), (104, 37795), (110, 37879), (115, 37960),

Gene: OrediggerDelux_28 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for OrediggerDelux_28:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: ParkTD_28 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for ParkTD_28:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: Patter_29 Start: 8878, Stop: 9822, Start Num: 23

Candidate Starts for Patter_29:

(Start: 23 @8878 has 146 MA's), (Start: 26 @8884 has 22 MA's), (52, 9007), (61, 9046), (64, 9070), (73, 9223), (75, 9232), (80, 9268), (81, 9280), (88, 9373), (92, 9454), (95, 9460), (100, 9508), (109, 9628), (117, 9739), (120, 9760), (124, 9790),

Gene: PegLeg_120 Start: 62875, Stop: 63774, Start Num: 18

Candidate Starts for PegLeg_120:

(17, 62869), (Start: 18 @62875 has 18 MA's), (Start: 20 @62887 has 2 MA's), (30, 62920), (39, 62956), (42, 62986), (43, 62992), (57, 63040), (63, 63079), (70, 63160), (71, 63169), (74, 63220), (84, 63328), (85, 63340), (94, 63421), (101, 63484), (103, 63499), (105, 63505), (109, 63580), (113, 63646), (115, 63670), (119, 63706), (123, 63742),

Gene: Peregrin_142 Start: 80771, Stop: 81640, Start Num: 21

Candidate Starts for Peregrin_142:

(13, 80693), (Start: 21 @80771 has 4 MA's), (66, 81008), (76, 81116), (82, 81173), (93, 81302), (116, 81563),

Gene: PharkleMinkus_34 Start: 10974, Stop: 11918, Start Num: 23

Candidate Starts for PharkleMinkus_34:

(Start: 23 @10974 has 146 MA's), (Start: 26 @10980 has 22 MA's), (52, 11103), (61, 11142), (64, 11166), (73, 11319), (75, 11328), (80, 11364), (81, 11376), (88, 11469), (92, 11550), (95, 11556), (100, 11604), (109, 11724), (117, 11835), (120, 11856), (124, 11886),

Gene: Phlegm_31 Start: 8861, Stop: 9805, Start Num: 23

Candidate Starts for Phlegm_31:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109, 9611), (117, 9722), (120, 9743), (124, 9773),

Gene: Phox_28 Start: 9570, Stop: 10514, Start Num: 23

Candidate Starts for Phox_28:

(Start: 23 @9570 has 146 MA's), (Start: 26 @9576 has 22 MA's), (52, 9699), (61, 9738), (64, 9762), (73, 9915), (75, 9924), (80, 9960), (81, 9972), (88, 10065), (92, 10146), (95, 10152), (100, 10200), (109, 10320), (117, 10431), (120, 10452), (124, 10482),

Gene: Phusco_29 Start: 8863, Stop: 9801, Start Num: 26

Candidate Starts for Phusco_29:

(Start: 23 @8857 has 146 MA's), (Start: 26 @8863 has 22 MA's), (52, 8986), (61, 9025), (64, 9049), (73, 9202), (75, 9211), (80, 9247), (81, 9259), (88, 9352), (92, 9433), (95, 9439), (100, 9487), (109, 9607), (117, 9718), (120, 9739), (124, 9769),

Gene: Pier_31 Start: 9564, Stop: 10508, Start Num: 23

Candidate Starts for Pier_31:

(Start: 23 @9564 has 146 MA's), (Start: 26 @9570 has 22 MA's), (52, 9693), (61, 9732), (64, 9756), (66, 9789), (73, 9909), (75, 9918), (80, 9954), (81, 9966), (88, 10059), (92, 10140), (95, 10146), (100,

10194), (109, 10314), (117, 10425), (120, 10446), (124, 10476),

Gene: Pinkcreek_21 Start: 7265, Stop: 8209, Start Num: 23

Candidate Starts for Pinkcreek_21:

(Start: 23 @7265 has 146 MA's), (Start: 26 @7271 has 22 MA's), (52, 7394), (61, 7433), (64, 7457), (73, 7610), (75, 7619), (80, 7655), (81, 7667), (88, 7760), (92, 7841), (95, 7847), (100, 7895), (109, 8015), (114, 8099), (117, 8126), (120, 8147), (124, 8177),

Gene: Pio_32 Start: 10255, Stop: 11199, Start Num: 23

Candidate Starts for Pio_32:

(Start: 23 @10255 has 146 MA's), (Start: 26 @10261 has 22 MA's), (52, 10384), (61, 10423), (64, 10447), (73, 10600), (75, 10609), (80, 10645), (81, 10657), (88, 10750), (92, 10831), (95, 10837), (100, 10885), (109, 11005), (117, 11116), (120, 11137), (124, 11167),

Gene: Pivoine_29 Start: 8861, Stop: 9805, Start Num: 23

Candidate Starts for Pivoine_29:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109, 9611), (117, 9722), (120, 9743), (124, 9773),

Gene: Pleione_31 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for Pleione_31:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: Primadonna_24 Start: 8516, Stop: 9448, Start Num: 26

Candidate Starts for Primadonna_24:

(Start: 23 @8510 has 146 MA's), (Start: 26 @8516 has 22 MA's), (52, 8639), (61, 8678), (64, 8702), (73, 8855), (75, 8864), (80, 8900), (81, 8912), (88, 9005), (92, 9086), (95, 9092), (100, 9140), (109, 9260), (117, 9371), (120, 9392), (124, 9422),

Gene: Pupusa_36 Start: 11511, Stop: 12455, Start Num: 23

Candidate Starts for Pupusa_36:

(Start: 23 @11511 has 146 MA's), (Start: 26 @11517 has 22 MA's), (52, 11640), (61, 11679), (64, 11703), (73, 11856), (75, 11865), (80, 11901), (81, 11913), (88, 12006), (92, 12087), (95, 12093), (100, 12141), (109, 12261), (114, 12345), (117, 12372), (120, 12393), (124, 12423),

Gene: PurduePete_28 Start: 9117, Stop: 10061, Start Num: 23

Candidate Starts for PurduePete_28:

(Start: 23 @9117 has 146 MA's), (Start: 26 @9123 has 22 MA's), (52, 9246), (61, 9285), (64, 9309), (73, 9462), (75, 9471), (80, 9507), (81, 9519), (88, 9612), (92, 9693), (95, 9699), (100, 9747), (109, 9867), (117, 9978), (120, 9999), (124, 10029),

Gene: QBert_27 Start: 9570, Stop: 10514, Start Num: 23

Candidate Starts for QBert_27:

(Start: 23 @9570 has 146 MA's), (Start: 26 @9576 has 22 MA's), (52, 9699), (61, 9738), (64, 9762), (73, 9915), (75, 9924), (80, 9960), (81, 9972), (88, 10065), (92, 10146), (95, 10152), (100, 10200), (109, 10320), (114, 10404), (117, 10431), (120, 10452), (124, 10482),

Gene: Quasimodo_29 Start: 9821, Stop: 10765, Start Num: 23

Candidate Starts for Quasimodo_29:

(Start: 23 @9821 has 146 MA's), (Start: 26 @9827 has 22 MA's), (52, 9950), (61, 9989), (64, 10013), (73, 10166), (75, 10175), (80, 10211), (81, 10223), (88, 10316), (92, 10397), (95, 10403), (100, 10451), (109, 10571), (117, 10682), (120, 10703), (124, 10733),

Gene: Rabinovich_28 Start: 9858, Stop: 10802, Start Num: 23

Candidate Starts for Rabinovich_28:

(Start: 23 @9858 has 146 MA's), (Start: 26 @9864 has 22 MA's), (52, 9987), (61, 10026), (64, 10050), (73, 10203), (75, 10212), (80, 10248), (81, 10260), (88, 10353), (92, 10434), (95, 10440), (100, 10488), (109, 10608), (114, 10692), (117, 10719), (120, 10740), (124, 10770),

Gene: Rahel_29 Start: 8857, Stop: 9801, Start Num: 23

Candidate Starts for Rahel_29:

(Start: 23 @8857 has 146 MA's), (Start: 26 @8863 has 22 MA's), (52, 8986), (61, 9025), (64, 9049), (73, 9202), (75, 9211), (80, 9247), (81, 9259), (88, 9352), (92, 9433), (95, 9439), (100, 9487), (109, 9607), (117, 9718), (120, 9739), (124, 9769),

Gene: Reindeer_119 Start: 63689, Stop: 64588, Start Num: 18

Candidate Starts for Reindeer_119:

(17, 63683), (Start: 18 @63689 has 18 MA's), (Start: 20 @63701 has 2 MA's), (33, 63743), (37, 63758), (43, 63806), (70, 63974), (71, 63983), (74, 64034), (75, 64040), (84, 64142), (85, 64154), (89, 64190), (94, 64235), (101, 64298), (103, 64313), (105, 64319), (107, 64328), (108, 64367), (109, 64394), (113, 64460), (118, 64508), (119, 64520), (123, 64556), (124, 64559),

Gene: Riparian_80 Start: 59776, Stop: 60750, Start Num: 15

Candidate Starts for Riparian_80:

(14, 59773), (Start: 15 @59776 has 4 MA's), (Start: 16 @59788 has 4 MA's), (17, 59806), (Start: 20 @59824 has 2 MA's), (36, 59881), (51, 59953), (52, 59956), (57, 59971), (58, 59974), (59, 59977), (62, 59995), (65, 60019), (67, 60064), (70, 60091), (71, 60100), (72, 60124), (74, 60151), (77, 60178), (79, 60187), (80, 60193), (84, 60259), (87, 60295), (91, 60313), (97, 60394), (98, 60409), (100, 60433), (105, 60475), (106, 60481), (112, 60604), (117, 60661), (122, 60697),

Gene: Rizal_27 Start: 8323, Stop: 9267, Start Num: 23

Candidate Starts for Rizal_27:

(Start: 23 @8323 has 146 MA's), (Start: 26 @8329 has 22 MA's), (52, 8452), (61, 8491), (64, 8515), (73, 8668), (75, 8677), (80, 8713), (81, 8725), (88, 8818), (92, 8899), (95, 8905), (100, 8953), (109, 9073), (117, 9184), (120, 9205), (124, 9235),

Gene: RoMag_24 Start: 8655, Stop: 9599, Start Num: 23

Candidate Starts for RoMag_24:

(Start: 23 @8655 has 146 MA's), (Start: 26 @8661 has 22 MA's), (52, 8784), (61, 8823), (64, 8847), (73, 9000), (75, 9009), (80, 9045), (81, 9057), (88, 9150), (92, 9231), (95, 9237), (100, 9285), (109, 9405), (114, 9489), (117, 9516), (120, 9537), (124, 9567),

Gene: Rocha_27 Start: 8351, Stop: 9295, Start Num: 23

Candidate Starts for Rocha_27:

(Start: 23 @8351 has 146 MA's), (Start: 26 @8357 has 22 MA's), (52, 8480), (61, 8519), (64, 8543), (73, 8696), (75, 8705), (80, 8741), (81, 8753), (88, 8846), (92, 8927), (95, 8933), (100, 8981), (109, 9101), (117, 9212), (120, 9233), (124, 9263),

Gene: Ronan_24 Start: 6963, Stop: 7907, Start Num: 23

Candidate Starts for Ronan_24:

(Start: 23 @6963 has 146 MA's), (Start: 26 @6969 has 22 MA's), (52, 7092), (61, 7131), (64, 7155), (73, 7308), (75, 7317), (80, 7353), (81, 7365), (88, 7458), (92, 7539), (95, 7545), (100, 7593), (109,

7713), (114, 7797), (117, 7824), (120, 7845), (124, 7875),

Gene: Roots515_29 Start: 9405, Stop: 10349, Start Num: 23

Candidate Starts for Roots515_29:

(Start: 23 @9405 has 146 MA's), (Start: 26 @9411 has 22 MA's), (52, 9534), (61, 9573), (64, 9597), (73, 9750), (75, 9759), (80, 9795), (81, 9807), (88, 9900), (92, 9981), (95, 9987), (100, 10035), (109, 10155), (117, 10266), (120, 10287), (124, 10317),

Gene: Rope_78 Start: 59935, Stop: 60909, Start Num: 15

Candidate Starts for Rope_78:

(14, 59932), (Start: 15 @59935 has 4 MA's), (Start: 16 @59947 has 4 MA's), (17, 59965), (Start: 20 @59983 has 2 MA's), (36, 60040), (51, 60112), (52, 60115), (57, 60130), (58, 60133), (59, 60136), (62, 60154), (65, 60178), (67, 60223), (70, 60250), (71, 60259), (72, 60283), (74, 60310), (77, 60337), (79, 60346), (80, 60352), (84, 60418), (87, 60454), (91, 60472), (97, 60553), (98, 60568), (100, 60592), (105, 60634), (106, 60640), (112, 60763), (117, 60820), (122, 60856),

Gene: RoseMarie_125 Start: 65823, Stop: 66722, Start Num: 18

Candidate Starts for RoseMarie_125:

(17, 65817), (Start: 18 @65823 has 18 MA's), (Start: 20 @65835 has 2 MA's), (30, 65868), (31, 65871), (43, 65940), (63, 66027), (70, 66108), (71, 66117), (74, 66168), (75, 66174), (84, 66276), (89, 66324), (101, 66432), (103, 66447), (105, 66453), (109, 66528), (113, 66594), (119, 66654), (123, 66690),

Gene: SVoro_28 Start: 9400, Stop: 10344, Start Num: 23

Candidate Starts for SVoro_28:

(Start: 23 @9400 has 146 MA's), (Start: 26 @9406 has 22 MA's), (52, 9529), (61, 9568), (64, 9592), (73, 9745), (75, 9754), (80, 9790), (81, 9802), (88, 9895), (92, 9976), (95, 9982), (100, 10030), (109, 10150), (114, 10234), (117, 10261), (120, 10282), (124, 10312),

Gene: Salacia_31 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for Salacia_31:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: Sauce_30 Start: 9533, Stop: 10477, Start Num: 23

Candidate Starts for Sauce_30:

(Start: 23 @9533 has 146 MA's), (Start: 26 @9539 has 22 MA's), (52, 9662), (61, 9701), (64, 9725), (73, 9878), (75, 9887), (80, 9923), (81, 9935), (88, 10028), (92, 10109), (95, 10115), (100, 10163), (109, 10283), (114, 10367), (117, 10394), (120, 10415), (124, 10445),

Gene: ScottMcG_29 Start: 9719, Stop: 10657, Start Num: 26

Candidate Starts for ScottMcG_29:

(Start: 23 @9713 has 146 MA's), (Start: 26 @9719 has 22 MA's), (52, 9842), (61, 9881), (64, 9905), (73, 10058), (75, 10067), (80, 10103), (81, 10115), (88, 10208), (92, 10289), (95, 10295), (100, 10343), (109, 10463), (117, 10574), (120, 10595), (124, 10625),

Gene: Sebata_29 Start: 9762, Stop: 10700, Start Num: 26

Candidate Starts for Sebata_29:

(Start: 23 @9756 has 146 MA's), (Start: 26 @9762 has 22 MA's), (52, 9885), (61, 9924), (64, 9948), (73, 10101), (75, 10110), (80, 10146), (81, 10158), (88, 10251), (92, 10332), (95, 10338), (100, 10386), (109, 10506), (117, 10617), (120, 10638), (124, 10668),

Gene: Send513_78 Start: 60324, Stop: 61286, Start Num: 16

Candidate Starts for Send513_78:

(Start: 16 @60324 has 4 MA's), (17, 60342), (Start: 20 @60360 has 2 MA's), (36, 60417), (51, 60489), (52, 60492), (57, 60507), (58, 60510), (59, 60513), (62, 60531), (65, 60555), (67, 60600), (70, 60627), (71, 60636), (72, 60660), (74, 60687), (77, 60714), (79, 60723), (80, 60729), (84, 60795), (87, 60831), (91, 60849), (97, 60930), (98, 60945), (100, 60969), (105, 61011), (106, 61017), (112, 61140), (117, 61197), (122, 61233),

Gene: Sephiroth_52 Start: 36766, Stop: 37644, Start Num: 18

Candidate Starts for Sephiroth_52:

(Start: 18 @36766 has 18 MA's), (28, 36802), (32, 36817), (34, 36826), (65, 36970), (71, 37051), (75, 37108), (76, 37123), (80, 37144), (89, 37258), (90, 37261), (100, 37345), (102, 37378), (103, 37384), (104, 37387), (110, 37471), (115, 37552),

Gene: Shaqnato_25 Start: 7980, Stop: 8924, Start Num: 23

Candidate Starts for Shaqnato_25:

(Start: 23 @7980 has 146 MA's), (Start: 26 @7986 has 22 MA's), (52, 8109), (61, 8148), (64, 8172), (73, 8325), (75, 8334), (80, 8370), (81, 8382), (88, 8475), (92, 8556), (95, 8562), (100, 8610), (109, 8730), (117, 8841), (120, 8862), (124, 8892),

Gene: Shelob_31 Start: 10288, Stop: 11232, Start Num: 23

Candidate Starts for Shelob_31:

(Start: 23 @10288 has 146 MA's), (Start: 26 @10294 has 22 MA's), (52, 10417), (61, 10456), (64, 10480), (73, 10633), (75, 10642), (80, 10678), (81, 10690), (88, 10783), (92, 10864), (95, 10870), (100, 10918), (109, 11038), (114, 11122), (117, 11149), (120, 11170), (124, 11200),

Gene: ShiaLabeouf_29 Start: 8857, Stop: 9801, Start Num: 23

Candidate Starts for ShiaLabeouf_29:

(Start: 23 @8857 has 146 MA's), (Start: 26 @8863 has 22 MA's), (52, 8986), (61, 9025), (64, 9049), (73, 9202), (75, 9211), (80, 9247), (81, 9259), (88, 9352), (92, 9433), (95, 9439), (100, 9487), (109, 9607), (117, 9718), (120, 9739), (124, 9769),

Gene: Shifa_26 Start: 9039, Stop: 9983, Start Num: 23

Candidate Starts for Shifa_26:

(Start: 23 @9039 has 146 MA's), (Start: 26 @9045 has 22 MA's), (52, 9168), (61, 9207), (64, 9231), (73, 9384), (75, 9393), (80, 9429), (81, 9441), (88, 9534), (92, 9615), (95, 9621), (100, 9669), (109, 9789), (114, 9873), (117, 9900), (120, 9921), (124, 9951),

Gene: Shnickers_29 Start: 8857, Stop: 9801, Start Num: 23

Candidate Starts for Shnickers_29:

(Start: 23 @8857 has 146 MA's), (Start: 26 @8863 has 22 MA's), (52, 8986), (61, 9025), (64, 9049), (73, 9202), (75, 9211), (80, 9247), (81, 9259), (88, 9352), (92, 9433), (95, 9439), (100, 9487), (109, 9607), (117, 9718), (120, 9739), (124, 9769),

Gene: Shrimp_29 Start: 9410, Stop: 10354, Start Num: 23

Candidate Starts for Shrimp_29:

(Start: 23 @9410 has 146 MA's), (Start: 26 @9416 has 22 MA's), (52, 9539), (61, 9578), (64, 9602), (73, 9755), (75, 9764), (80, 9800), (81, 9812), (88, 9905), (92, 9986), (95, 9992), (100, 10040), (109, 10160), (117, 10271), (120, 10292), (124, 10322),

Gene: SilverDipper_30 Start: 8861, Stop: 9805, Start Num: 23

Candidate Starts for SilverDipper_30:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109,

9611), (117, 9722), (120, 9743), (124, 9773),

Gene: Sixama_124 Start: 79551, Stop: 78667, Start Num: 20

Candidate Starts for Sixama_124:

(12, 79659), (Start: 20 @79551 has 2 MA's), (Start: 27 @79527 has 3 MA's), (38, 79488), (40, 79452), (44, 79434), (49, 79419), (50, 79413), (54, 79401), (60, 79380), (61, 79371), (66, 79314), (68, 79296), (78, 79185), (83, 79131), (86, 79080), (100, 78972), (113, 78786),

Gene: Skinny_122 Start: 63991, Stop: 64890, Start Num: 18

Candidate Starts for Skinny_122:

(17, 63985), (Start: 18 @63991 has 18 MA's), (Start: 20 @64003 has 2 MA's), (30, 64036), (39, 64072), (42, 64102), (43, 64108), (57, 64156), (63, 64195), (70, 64276), (71, 64285), (74, 64336), (84, 64444), (85, 64456), (94, 64537), (101, 64600), (103, 64615), (105, 64621), (109, 64696), (113, 64762), (115, 64786), (119, 64822), (123, 64858),

Gene: SmallFry_29 Start: 8857, Stop: 9801, Start Num: 23

Candidate Starts for SmallFry_29:

(Start: 23 @8857 has 146 MA's), (Start: 26 @8863 has 22 MA's), (52, 8986), (61, 9025), (64, 9049), (73, 9202), (75, 9211), (80, 9247), (81, 9259), (88, 9352), (92, 9433), (95, 9439), (100, 9487), (109, 9607), (117, 9718), (120, 9739), (124, 9769),

Gene: Spec_27 Start: 8863, Stop: 9807, Start Num: 23

Candidate Starts for Spec_27:

(Start: 23 @8863 has 146 MA's), (Start: 26 @8869 has 22 MA's), (52, 8992), (61, 9031), (64, 9055), (73, 9208), (75, 9217), (80, 9253), (81, 9265), (88, 9358), (92, 9439), (95, 9445), (100, 9493), (109, 9613), (117, 9724), (120, 9745), (124, 9775),

Gene: Specks_34 Start: 10701, Stop: 11639, Start Num: 26

Candidate Starts for Specks_34:

(Start: 23 @10695 has 146 MA's), (Start: 26 @10701 has 22 MA's), (52, 10824), (61, 10863), (64, 10887), (73, 11040), (75, 11049), (80, 11085), (81, 11097), (88, 11190), (92, 11271), (95, 11277), (100, 11325), (109, 11445), (117, 11556), (120, 11577), (124, 11607),

Gene: Sprinklers_29 Start: 8895, Stop: 9839, Start Num: 23

Candidate Starts for Sprinklers_29:

(Start: 23 @8895 has 146 MA's), (Start: 26 @8901 has 22 MA's), (52, 9024), (61, 9063), (64, 9087), (73, 9240), (75, 9249), (80, 9285), (81, 9297), (88, 9390), (92, 9471), (95, 9477), (100, 9525), (109, 9645), (117, 9756), (120, 9777), (124, 9807),

Gene: Spud_31 Start: 10252, Stop: 11196, Start Num: 23

Candidate Starts for Spud_31:

(Start: 23 @10252 has 146 MA's), (Start: 26 @10258 has 22 MA's), (52, 10381), (61, 10420), (64, 10444), (73, 10597), (75, 10606), (80, 10642), (81, 10654), (88, 10747), (92, 10828), (95, 10834), (100, 10882), (109, 11002), (117, 11113), (120, 11134), (124, 11164),

Gene: SrishMeg2525_28 Start: 9117, Stop: 10061, Start Num: 23

Candidate Starts for SrishMeg2525_28:

(Start: 23 @9117 has 146 MA's), (Start: 26 @9123 has 22 MA's), (52, 9246), (61, 9285), (64, 9309), (73, 9462), (75, 9471), (80, 9507), (81, 9519), (88, 9612), (92, 9693), (95, 9699), (100, 9747), (109, 9867), (117, 9978), (120, 9999), (124, 10029),

Gene: StephanieG_29 Start: 9586, Stop: 10530, Start Num: 23

Candidate Starts for StephanieG_29:

(Start: 23 @9586 has 146 MA's), (Start: 26 @9592 has 22 MA's), (52, 9715), (61, 9754), (64, 9778), (73, 9931), (75, 9940), (80, 9976), (81, 9988), (88, 10081), (92, 10162), (95, 10168), (100, 10216), (109, 10336), (117, 10447), (120, 10468), (124, 10498),

Gene: Stubby_27 Start: 8666, Stop: 9610, Start Num: 23

Candidate Starts for Stubby_27:

(Start: 23 @8666 has 146 MA's), (Start: 26 @8672 has 22 MA's), (52, 8795), (61, 8834), (64, 8858), (73, 9011), (75, 9020), (80, 9056), (81, 9068), (88, 9161), (92, 9242), (95, 9248), (100, 9296), (109, 9416), (114, 9500), (117, 9527), (120, 9548), (124, 9578),

Gene: StubbySaigey_28 Start: 8046, Stop: 8990, Start Num: 23

Candidate Starts for StubbySaigey_28:

(Start: 23 @8046 has 146 MA's), (Start: 26 @8052 has 22 MA's), (52, 8175), (61, 8214), (64, 8238), (73, 8391), (75, 8400), (80, 8436), (81, 8448), (88, 8541), (92, 8622), (95, 8628), (100, 8676), (109, 8796), (117, 8907), (120, 8928), (124, 8958),

Gene: Substance289_26 Start: 8337, Stop: 9275, Start Num: 26

Candidate Starts for Substance289_26:

(Start: 23 @8331 has 146 MA's), (Start: 26 @8337 has 22 MA's), (52, 8460), (61, 8499), (64, 8523), (73, 8676), (75, 8685), (80, 8721), (81, 8733), (88, 8826), (92, 8907), (95, 8913), (100, 8961), (109, 9081), (117, 9192), (120, 9213), (124, 9243),

Gene: Syleon_54 Start: 36693, Stop: 37568, Start Num: 18

Candidate Starts for Syleon_54:

(Start: 18 @36693 has 18 MA's), (25, 36720), (32, 36741), (34, 36750), (65, 36894), (71, 36975), (75, 37032), (76, 37047), (80, 37068), (89, 37182), (90, 37185), (100, 37269), (102, 37302), (103, 37308), (104, 37311), (110, 37395),

Gene: Tainan_34 Start: 10973, Stop: 11917, Start Num: 23

Candidate Starts for Tainan_34:

(Start: 23 @10973 has 146 MA's), (Start: 26 @10979 has 22 MA's), (52, 11102), (61, 11141), (64, 11165), (73, 11318), (75, 11327), (80, 11363), (81, 11375), (88, 11468), (92, 11549), (95, 11555), (100, 11603), (109, 11723), (117, 11834), (120, 11855), (124, 11885),

Gene: Teardrop_28 Start: 8322, Stop: 9266, Start Num: 23

Candidate Starts for Teardrop_28:

(Start: 23 @8322 has 146 MA's), (Start: 26 @8328 has 22 MA's), (52, 8451), (61, 8490), (64, 8514), (73, 8667), (75, 8676), (80, 8712), (81, 8724), (88, 8817), (92, 8898), (95, 8904), (100, 8952), (109, 9072), (117, 9183), (120, 9204), (124, 9234),

Gene: TinyTim_29 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for TinyTim_29:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: Tonenili_33 Start: 10505, Stop: 11449, Start Num: 24

Candidate Starts for Tonenili_33:

(2, 9845), (4, 9851), (5, 9890), (6, 9992), (7, 10022), (8, 10145), (9, 10148), (10, 10250), (Start: 24 @10505 has 11 MA's), (Start: 26 @10511 has 22 MA's), (52, 10634), (61, 10673), (64, 10697), (66, 10730), (73, 10850), (75, 10859), (80, 10895), (81, 10907), (88, 11000), (95, 11087), (100, 11135), (109, 11255), (117, 11366), (120, 11387), (124, 11417),

Gene: Tortoise16_28 Start: 8857, Stop: 9801, Start Num: 23

Candidate Starts for Tortoise16_28:

(Start: 23 @8857 has 146 MA's), (Start: 26 @8863 has 22 MA's), (52, 8986), (61, 9025), (64, 9049), (73, 9202), (75, 9211), (80, 9247), (81, 9259), (88, 9352), (92, 9433), (95, 9439), (100, 9487), (109, 9607), (117, 9718), (120, 9739), (124, 9769),

Gene: TpudiCK_118 Start: 61713, Stop: 62612, Start Num: 18

Candidate Starts for TpudiCK_118:

(17, 61707), (Start: 18 @61713 has 18 MA's), (Start: 20 @61725 has 2 MA's), (30, 61758), (39, 61794), (42, 61824), (43, 61830), (57, 61878), (63, 61917), (70, 61998), (71, 62007), (74, 62058), (84, 62166), (85, 62178), (94, 62259), (101, 62322), (103, 62337), (105, 62343), (109, 62418), (112, 62472), (113, 62484), (115, 62508), (118, 62532), (119, 62544), (123, 62580),

Gene: Trina_138 Start: 86276, Stop: 87130, Start Num: 21

Candidate Starts for Trina_138:

(Start: 21 @86276 has 4 MA's), (22, 86282), (29, 86303), (35, 86333), (55, 86384), (58, 86396), (62, 86417), (64, 86438), (66, 86471), (67, 86483), (76, 86579), (83, 86642), (88, 86705), (100, 86831), (106, 86882), (112, 87005), (116, 87053),

Gene: Trinitium_28 Start: 8311, Stop: 9255, Start Num: 23

Candidate Starts for Trinitium_28:

(Start: 23 @8311 has 146 MA's), (Start: 26 @8317 has 22 MA's), (52, 8440), (53, 8443), (61, 8479), (64, 8503), (73, 8656), (75, 8665), (80, 8701), (81, 8713), (88, 8806), (92, 8887), (95, 8893), (100, 8941), (109, 9061), (117, 9172), (120, 9193), (124, 9223),

Gene: Turret_27 Start: 8034, Stop: 8978, Start Num: 23

Candidate Starts for Turret_27:

(Start: 23 @8034 has 146 MA's), (Start: 26 @8040 has 22 MA's), (52, 8163), (61, 8202), (64, 8226), (73, 8379), (75, 8388), (80, 8424), (81, 8436), (88, 8529), (92, 8610), (95, 8616), (100, 8664), (109, 8784), (117, 8895), (120, 8916), (124, 8946),

Gene: TyDawg_111 Start: 61716, Stop: 62615, Start Num: 18

Candidate Starts for TyDawg_111:

(17, 61710), (Start: 18 @61716 has 18 MA's), (Start: 20 @61728 has 2 MA's), (30, 61761), (39, 61797), (42, 61827), (43, 61833), (57, 61881), (63, 61920), (70, 62001), (71, 62010), (74, 62061), (84, 62169), (85, 62181), (94, 62262), (101, 62325), (103, 62340), (105, 62346), (109, 62421), (112, 62475), (113, 62487), (115, 62511), (118, 62535), (119, 62547), (123, 62583),

Gene: Tyke_31 Start: 10269, Stop: 11213, Start Num: 23

Candidate Starts for Tyke_31:

(Start: 23 @10269 has 146 MA's), (Start: 26 @10275 has 22 MA's), (52, 10398), (61, 10437), (64, 10461), (73, 10614), (75, 10623), (80, 10659), (81, 10671), (88, 10764), (92, 10845), (95, 10851), (100, 10899), (109, 11019), (117, 11130), (120, 11151), (124, 11181),

Gene: ValleyTerrace_29 Start: 8861, Stop: 9805, Start Num: 23

Candidate Starts for ValleyTerrace_29:

(Start: 23 @8861 has 146 MA's), (Start: 26 @8867 has 22 MA's), (52, 8990), (61, 9029), (64, 9053), (73, 9206), (75, 9215), (80, 9251), (81, 9263), (88, 9356), (92, 9437), (95, 9443), (100, 9491), (109, 9611), (117, 9722), (120, 9743), (124, 9773),

Gene: Vortrix_35 Start: 10966, Stop: 11910, Start Num: 24

Candidate Starts for Vortrix_35:

(1, 10294), (3, 10309), (6, 10453), (7, 10483), (8, 10606), (9, 10609), (11, 10774), (Start: 24 @10966 has 11 MA's), (Start: 26 @10972 has 22 MA's), (52, 11095), (61, 11134), (64, 11158), (73, 11311), (75, 11320), (80, 11356), (81, 11368), (88, 11461), (95, 11548), (100, 11596), (109, 11716), (117, 11827), (120, 11848), (124, 11878),

Gene: Wally_28 Start: 8278, Stop: 9222, Start Num: 23

Candidate Starts for Wally_28:

(Start: 23 @8278 has 146 MA's), (Start: 26 @8284 has 22 MA's), (52, 8407), (61, 8446), (64, 8470), (73, 8623), (75, 8632), (80, 8668), (81, 8680), (88, 8773), (92, 8854), (95, 8860), (100, 8908), (109, 9028), (117, 9139), (120, 9160), (124, 9190),

Gene: Weiss13_78 Start: 60025, Stop: 60987, Start Num: 16

Candidate Starts for Weiss13_78:

(14, 60010), (Start: 15 @60013 has 4 MA's), (Start: 16 @60025 has 4 MA's), (17, 60043), (Start: 20 @60061 has 2 MA's), (36, 60118), (51, 60190), (52, 60193), (57, 60208), (58, 60211), (59, 60214), (62, 60232), (65, 60256), (67, 60301), (70, 60328), (71, 60337), (72, 60361), (74, 60388), (77, 60415), (79, 60424), (80, 60430), (84, 60496), (87, 60532), (91, 60550), (97, 60631), (98, 60646), (100, 60670), (105, 60712), (106, 60718), (112, 60841), (117, 60898), (122, 60934),

Gene: Willis_29 Start: 9301, Stop: 10245, Start Num: 23

Candidate Starts for Willis_29:

(Start: 23 @9301 has 146 MA's), (Start: 26 @9307 has 22 MA's), (52, 9430), (61, 9469), (64, 9493), (73, 9646), (75, 9655), (80, 9691), (81, 9703), (88, 9796), (92, 9877), (95, 9883), (100, 9931), (109, 10051), (117, 10162), (120, 10183), (124, 10213),

Gene: Yassified_26 Start: 8064, Stop: 9002, Start Num: 26

Candidate Starts for Yassified_26:

(Start: 23 @8058 has 146 MA's), (Start: 26 @8064 has 22 MA's), (52, 8187), (61, 8226), (64, 8250), (73, 8403), (75, 8412), (80, 8448), (81, 8460), (88, 8553), (92, 8634), (95, 8640), (100, 8688), (109, 8808), (117, 8919), (120, 8940), (124, 8970),

Gene: Yelo_77 Start: 60379, Stop: 61341, Start Num: 16

Candidate Starts for Yelo_77:

(Start: 16 @60379 has 4 MA's), (17, 60397), (Start: 20 @60415 has 2 MA's), (36, 60472), (51, 60544), (52, 60547), (57, 60562), (58, 60565), (59, 60568), (62, 60586), (65, 60610), (67, 60655), (70, 60682), (71, 60691), (72, 60715), (74, 60742), (77, 60769), (79, 60778), (80, 60784), (84, 60850), (87, 60886), (91, 60904), (97, 60985), (98, 61000), (100, 61024), (105, 61066), (106, 61072), (112, 61195), (117, 61252), (122, 61288),

Gene: YemiJoy2021_30 Start: 9406, Stop: 10350, Start Num: 23

Candidate Starts for YemiJoy2021_30:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),

Gene: YoungMoneyMata_29 Start: 8612, Stop: 9556, Start Num: 23

Candidate Starts for YoungMoneyMata_29:

(Start: 23 @8612 has 146 MA's), (Start: 26 @8618 has 22 MA's), (52, 8741), (61, 8780), (64, 8804), (73, 8957), (75, 8966), (80, 9002), (81, 9014), (88, 9107), (92, 9188), (95, 9194), (100, 9242), (109, 9362), (117, 9473), (120, 9494), (124, 9524),

Gene: Yucca_29 Start: 9328, Stop: 10272, Start Num: 23

Candidate Starts for Yucca_29:

(Start: 23 @9328 has 146 MA's), (Start: 26 @9334 has 22 MA's), (52, 9457), (61, 9496), (64, 9520), (73, 9673), (75, 9682), (80, 9718), (81, 9730), (88, 9823), (92, 9904), (95, 9910), (100, 9958), (109, 10078), (117, 10189), (120, 10210), (124, 10240),

Gene: Zalkecks_31 Start: 9410, Stop: 10354, Start Num: 23

Candidate Starts for Zalkecks_31:

(Start: 23 @9410 has 146 MA's), (Start: 26 @9416 has 22 MA's), (52, 9539), (61, 9578), (64, 9602), (73, 9755), (75, 9764), (80, 9800), (81, 9812), (88, 9905), (92, 9986), (95, 9992), (100, 10040), (109, 10160), (117, 10271), (120, 10292), (124, 10322),

Gene: Zeenon_31 Start: 9398, Stop: 10336, Start Num: 26

Candidate Starts for Zeenon_31:

(Start: 23 @9392 has 146 MA's), (Start: 26 @9398 has 22 MA's), (52, 9521), (61, 9560), (64, 9584), (73, 9737), (75, 9746), (80, 9782), (81, 9794), (88, 9887), (92, 9968), (95, 9974), (100, 10022), (109, 10142), (117, 10253), (120, 10274), (124, 10304),

Gene: Zenon_80 Start: 60339, Stop: 61313, Start Num: 15

Candidate Starts for Zenon_80:

(14, 60336), (Start: 15 @60339 has 4 MA's), (Start: 16 @60351 has 4 MA's), (17, 60369), (Start: 20 @60387 has 2 MA's), (36, 60444), (51, 60516), (52, 60519), (57, 60534), (58, 60537), (59, 60540), (62, 60558), (65, 60582), (67, 60627), (70, 60654), (71, 60663), (72, 60687), (74, 60714), (77, 60741), (79, 60750), (80, 60756), (84, 60822), (87, 60858), (91, 60876), (97, 60957), (98, 60972), (100, 60996), (105, 61038), (106, 61044), (112, 61167), (117, 61224), (122, 61260),

Gene: ZygoTaiga_29 Start: 9412, Stop: 10350, Start Num: 26

Candidate Starts for ZygoTaiga_29:

(Start: 23 @9406 has 146 MA's), (Start: 26 @9412 has 22 MA's), (52, 9535), (61, 9574), (64, 9598), (73, 9751), (75, 9760), (80, 9796), (81, 9808), (88, 9901), (92, 9982), (95, 9988), (100, 10036), (109, 10156), (117, 10267), (120, 10288), (124, 10318),