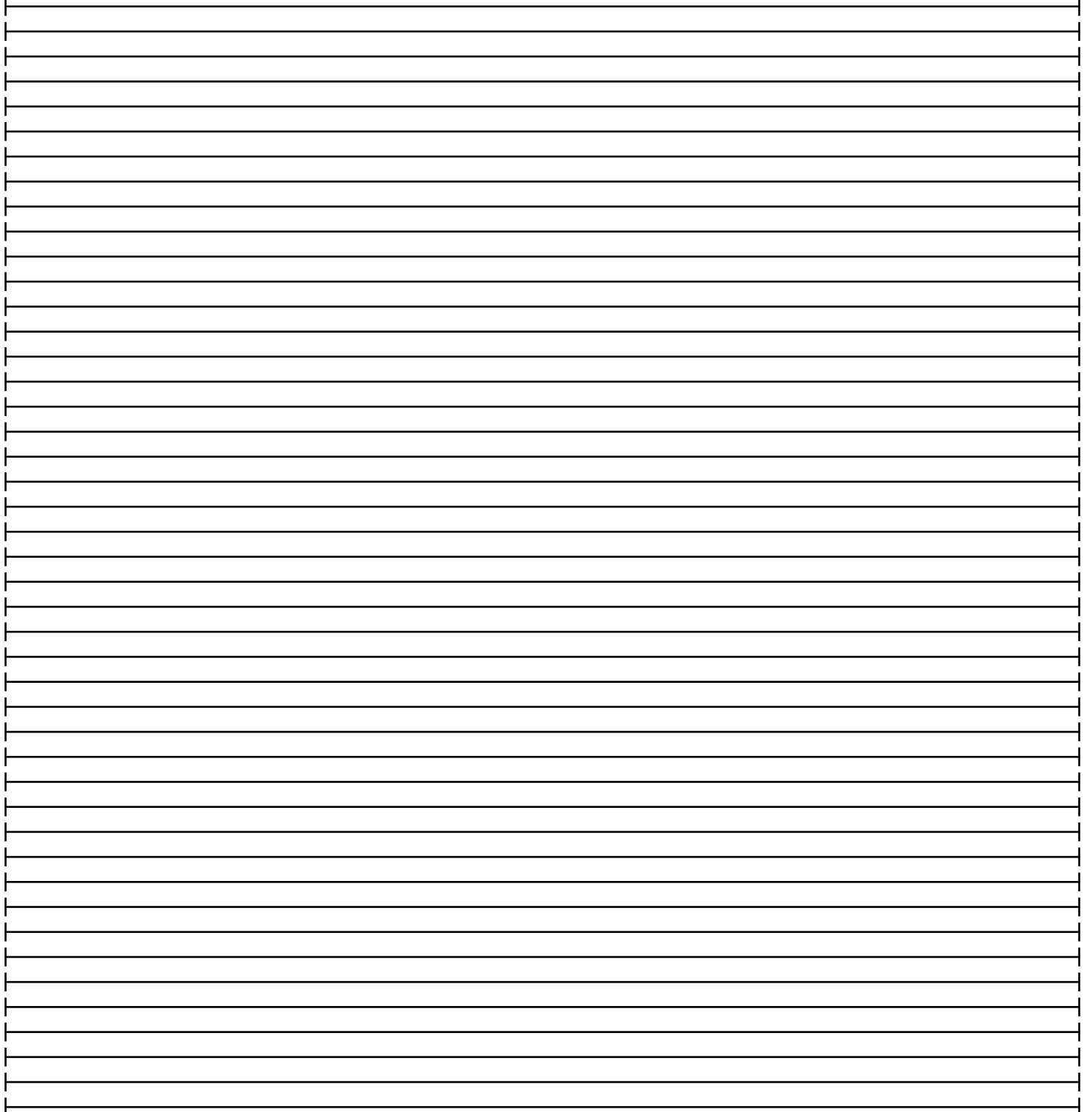
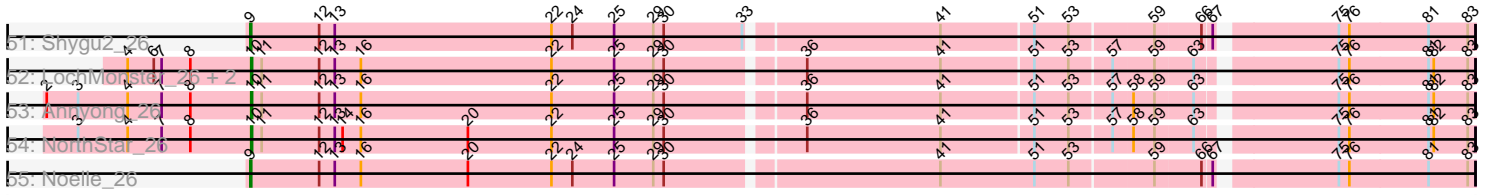


Pham 162928



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 162928 Report

This analysis was run 04/28/24 on database version 559.

Pham number 162928 has 273 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Drake94_25, KittenMittens_25
- Track 2 : Topanga_26
- Track 3 : Eaglepride_27
- Track 4 : Goose_26, OKCentral2016_26, Chupacabra_26
- Track 5 : PeaceMeal1_25
- Track 6 : Trike_24
- Track 7 : Twister_26, WalterMcMickey_26
- Track 8 : Severus_25
- Track 9 : RhynO_27
- Track 10 : Rebeuca_27, Kristoff_27
- Track 11 : Edison31_26
- Track 12 : Poompha_25
- Track 13 : MyraDee_24
- Track 14 : Kimona_23
- Track 15 : AgronaGT15_28, LBerry_28, PGHhamlin_30, Sabinator_28, MadMarie_28, Fernando_28, MuchMore_30, Hercules11_28, Wooldri_30, Misomonster_30, Penny1_28, Dieselweasel_28, Farber_28, EpicPhail_28, BuzzBuzz_27, Vix_28, Aglet_28, DaHudson_28, AugsMagnumOpus_30, LarryKay_28, Colbster_28, StepMih_28, GingkoMaracino_28, Phoebe_28, Spike509_28, Anubis_30, MarQuardt_28, Jobu08_28, Grub_28, Daishi_27, Mainiac_28, KADY_29, BreSam8_28, JHC117_28, Cullens_28, Methuselah_27, Tiffany_28, SoilDragon_28, GtownJaz_28, Beauxregard13_28, JenCasNa_28, Grif_28, Marie_28, Louie6_28, PotatoSplit_29, Pembroke_28, Watson_28, Stagni_28, Rummer_28, Snickers_28, Microwolf_28, Bxz2_27, LugYA_30, Sabia_28, Lilith_28, Soshari_30, MoneyMay_28, Taurus_28, Malinsilva_30, Phoxy_28
- Track 16 : Texage_26, Norbert_26, Noella_27, ResDef_27, Margo_27, Hookmount_27, Todacoro_27, QuinnKiro_26, Caviar_27, Panamaxus_26, Pocahontas_27, Veracruz_26, Lambert1_27, Popcicle_27
- Track 17 : Phantastic_26
- Track 18 : Kalb97_29, Marius_29, Phranny_29, PurpleHaze_28, Manu_29, ACFishhook_28, JeppNRM_29, HaveUMetTed_29, Pawn_29, Heliosoles_28, Gemma_28, PhishRPhriends_27, OlanP_28, Groupthink_29, Reba_29, Kalnok_29
- Track 19 : Grum1_28, HashRod_29
- Track 20 : B1_24, Rockstar_26, JF4_26, JF2_26, MK4_26
- Track 21 : Bugatti_26, Puppy_27, Pistachio_27, Giroux_26, Idleandcovert_26, TNguyen7_26, SaturnRing_26, BlueBird_27
- Track 22 : Heathen_26, Fred313_26, Scout_26, HelDan_26

- Track 23 : BabyRay_26
- Track 24 : MA5_26
- Track 25 : Zetzy_27
- Track 26 : SoYo_28
- Track 27 : P28Green_28
- Track 28 : Isca_26
- Track 29 : Ollie_28
- Track 30 : YoSam321_26, Gadost_26, TiroTheta9_26, Roosevelt_26, Clarenza_26, Bruiser_25, TinaFeyge_26, Eurydice_26, Polymorphads_26, Druantia_26, Lorenzo_26, Cocoaberry_26, Florean_26, Baby16_26, Nemo27_26, ICleared_26, Caelakin_26, NotAPhaseMom_26, Dhanush_26, LittleB_26, JoongJeon_26, CentreCat_26, Chaph_26, Albee_26, Holli_26, Citius_26, Flux_26, Bartimeaus_26, LappelDuVide_25, Blackmoor_26, Eapen_26, BellusTerra_26, Eris_25, Kingmustik0402_26, Morrow_26, Houdini22_26, Phacado_26, Funston_26, Wander_26, TygerBlood_26, Iceman_27, Melvin_26, Mazhar510_26, Scamp_26, Eros_26, Burger_25, HamSlice_25, Millski_25, Pumbaa_26, Avle17_26, Skipitt_26
- Track 31 : Mundrea_26
- Track 32 : Palestino_25, JetBlade_26, BubbleTrouble_26, Bombshell_26, MeeZee_26
- Track 33 : Spino_26, Alberto7_27, Kyee_26, Phelipe_26, KFPoly_26, Connomayer_26, Koreni_25, Ruin_26, Peaches_26, Wilbur_26, Relief_26, Pipcraft_26, DirtyDunning_26, Kratark_26, Maxo_26, Lemur_26, Kampy_26, TroyPia_26, Medusa_26, Kremtemulon_25, Romney_26, Eagle_25, PeterPeter_26, Ohfah_26, Taquarus_26, OKaNui_27, Nyxis_26, Jaykayelowell_26, Deano_26
- Track 34 : Camperdownii_25
- Track 35 : Broseidon_26, Wizard007_26, Sabertooth_26
- Track 36 : LHTSCC_27, ChampagnePapi_27, Cerulean_27, Obama12_27, SheldonCooper_27, BangNhom_26
- Track 37 : Datway_26, Perplexer_26, Xena_26, Backyardigan_26, Wile_26, Badger_26, Cici_26, Achebe_25
- Track 38 : LeoAvram_26
- Track 39 : Morpher26_26, Bumblebee11_26, Katalie136_26, AbbysRanger_26
- Track 40 : Stasia_27
- Track 41 : Commander_26, Ulysses_25, Lunsford_27, Iracema64_27
- Track 42 : Nebs_26, LittleGuy_26, Sparxx_26, Phontbonne_26, Abdiel_25
- Track 43 : Arturo_25
- Track 44 : Thanksgivukkah_26
- Track 45 : PetiteSangsue_26
- Track 46 : Stink_27, Miramae_26, AvatarAhPeg_27
- Track 47 : Cintron_26, Shaka_26
- Track 48 : Tinybot_25
- Track 49 : Cindaradix_25
- Track 50 : Maverick_26
- Track 51 : Shygu2_26
- Track 52 : LochMonster_26, Phighter1804_26, Happiness_26
- Track 53 : Annyong_26
- Track 54 : NorthStar_26
- Track 55 : Noelle_26

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

The start number called the most often in the published annotations is 10, it was called in 243 of the 264 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ACFishhook_28, Abdiel_25, Aglet_28, AgronaGT15_28, Albee_26, Alberto7_27, Annyong_26, Anubis_30, Arturo_25, AugsMagnumOpus_30, Avle17_26, B1_24, Baby16_26, BabyRay_26, BangNhom_26, Bartimeaus_26, Beauxregard13_28, BellusTerra_26, Blackmoor_26, BlueBird_27, Bombshell_26, BreSam8_28, Broseidon_26, Bruiser_25, BubbleTrouble_26, Bugatti_26, Burger_25, BuzzBuzz_27, Bxz2_27, Caelakin_26, Camperdownii_25, Caviar_27, CentreCat_26, Cerulean_27, ChampagnePapi_27, Chaph_26, Chupacabra_26, Cintron_26, Citius_26, Clarenza_26, Cocoaberry_26, Colbster_28, Commander_26, Connomayer_26, Cullens_28, DaHudson_28, Daishi_27, Deano_26, Dhanush_26, Dieselweasel_28, DirtyDunning_26, Drake94_25, Druantia_26, Eagle_25, Eaglepride_27, Eapen_26, Edison31_26, EpicPhail_28, Eris_25, Eros_26, Eurydice_26, Farber_28, Fernando_28, Florean_26, Flux_26, Fred313_26, Funston_26, Gadost_26, Gemma_28, GingkoMaracino_28, Giroux_26, Goose_26, Grif_28, Groupthink_29, Grub_28, Grum1_28, GtownJaz_28, HamSlice_25, Happiness_26, HashRod_29, HaveUMetTed_29, Heathen_26, HelDan_26, Heliosoles_28, Hercules11_28, Holli_26, Hookmount_27, Houdini22_26, ICleared_26, Iceman_27, Idleandcovert_26, Iracema64_27, Isca_26, JF2_26, JF4_26, JHC117_28, Jaykayelowell_26, JenCasNa_28, JeppNRM_29, JetBlade_26, Jobu08_28, JoongJeon_26, KADY_29, KFPoly_26, Kalb97_29, Kalnoky_29, Kampy_26, Kimona_23, Kingmustik0402_26, KittenMittens_25, Koreni_25, Kratark_26, Kremtemulon_25, Kristoff_27, Kyee_26, LBerry_28, LHTSCC_27, Lambert1_27, LappelDuVide_25, LarryKay_28, Lemur_26, LeoAvram_26, Lilith_28, LittleB_26, LittleGuy_26, LochMonster_26, Lorenzo_26, Louie6_28, LugYA_30, Lunsford_27, MA5_26, MK4_26, MadMarie_28, Mainiac_28, Malinsilva_30, Manu_29, MarQuardt_28, Margo_27, Marie_28, Marius_29, Maverick_26, Maxo_26, Mazhar510_26, Medusa_26, MeeZee_26, Melvin_26, Methuselah_27, Microwolf_28, Millski_25, Misomonster_30, MoneyMay_28, Morrow_26, MuchMore_30, MyraDee_24, Nebs_26, Nemo27_26, Noella_27, Norbert_26, NorthStar_26, NotAPhaseMom_26, Nyxis_26, OKCentral2016_26, OKaNui_27, Obama12_27, Ohfah_26, OlanP_28, Ollie_28, P28Green_28, PGHhamlin_30, Palestino_25, Panamaxus_26, Pawn_29, PeaceMeal1_25, Peaches_26, Pembroke_28, Penny1_28, PeterPeter_26, Phacado_26, Phantastic_26, Phelipe_26, Phighter1804_26, PhishRPhriends_27, Phoebe_28, Phontbonne_26, Phoxy_28, Phranny_29, Pipcraft_26, Pistachio_27, Pocahontas_27, Polymorphads_26, Poompha_25, Popcicle_27, PotatoSplit_29, Pumbaa_26, Puppy_27, PurpleHaze_28, QuinnKiro_26, Reba_29, Rebeuca_27, Relief_26, ResDef_27, RhynO_27, Rockstar_26, Romney_26, Roosevelt_26, Ruin_26, Rummer_28, Sabertooth_26, Sabia_28, Sabinator_28, SaturnRing_26, Scamp_26, Scout_26, Severus_25, Shaka_26, SheldonCooper_27, Skipitt_26, Snickers_28, SoYo_28, SoilDragon_28, Soshari_30, Sparxx_26, Spike509_28, Spino_26, Stagni_28, StepMih_28, TNguyen7_26, Taquarus_26, Taurus_28, Texage_26, Thanksgivukkah_26, Tiffany_28, TinaFeyge_26, Tinybot_25, TiroTheta9_26, Todacoro_27, Topanga_26, Trike_24, TroyPia_26, Twister_26, TygerBlood_26, Ulysses_25, Veracruz_26, Vix_28, WalterMcMickey_26, Wander_26, Watson_28, Wilbur_26, Wizard007_26, Wooldri_30, YoSam321_26, Zetzy_27,

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

-

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

• AbbysRanger_26, Achebe_25, AvatarAhPeg_27, Backyardigan_26, Badger_26, Bumblebee11_26, Cici_26, Cindaradix_25, Datway_26, Katalie136_26, Miramae_26, Morpher26_26, Mundrea_26, Noelle_26, Perplexer_26, PetiteSangsue_26, Shygu2_26, Stasia_27, Stink_27, Wile_26, Xena_26,

Summary by start number:

Start 9:

- Found in 21 of 273 (7.7%) of genes in pham
- Manual Annotations of this start: 21 of 264
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbysRanger_26 (A4), Achebe_25 (A4), AvatarAhPeg_27 (A4), Backyardigan_26 (A4), Badger_26 (A4), Bumblebee11_26 (A4), Cici_26 (A4), Cindaradix_25 (A4), Datway_26 (A4), Katalie136_26 (A4), Miramae_26 (A4), Morpher26_26 (A4), Mundrea_26 (A4), Noelle_26 (A4), Perplexer_26 (A4), PetiteSangsue_26 (A4), Shygu2_26 (A4), Stasia_27 (A4), Stink_27 (A4), Wile_26 (A4), Xena_26 (A4),

Start 10:

- Found in 252 of 273 (92.3%) of genes in pham
- Manual Annotations of this start: 243 of 264
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ACFishhook_28 (A3), Abdiel_25 (A4), Aglet_28 (A3), AgronaGT15_28 (A3), Albee_26 (A4), Alberto7_27 (A4), Annyong_26 (A4), Anubis_30 (A3), Arturo_25 (A4), AugsMagnumOpus_30 (A3), Avlie17_26 (A4), B1_24 (A3), Baby16_26 (A4), BabyRay_26 (A3), BangNhom_26 (A4), Bartimeaus_26 (A4), Beauxregard13_28 (A3), BellusTerra_26 (A4), Blackmoor_26 (A4), BlueBird_27 (A3), Bombshell_26 (A4), BreSam8_28 (A3), Broseidon_26 (A4), Bruiser_25 (A4), BubbleTrouble_26 (A4), Bugatti_26 (A3), Burger_25 (A4), BuzzBuzz_27 (A3), Bxz2_27 (A3), Caelakin_26 (A4), Camperdownii_25 (A4), Caviar_27 (A3), CentreCat_26 (A4), Cerulean_27 (A4), ChampagnePapi_27 (A4), Chaph_26 (A4), Chupacabra_26 (A10), Cintron_26 (A4), Citius_26 (A4), Clarenza_26 (A4), Cocoaberry_26 (A4), Colbster_28 (A3), Commander_26 (A4), Connomayer_26 (A4), Cullens_28 (A3), DaHudson_28 (A3), Daishi_27 (A3), Deano_26 (A4), Dhanush_26 (A4), Dieselweasel_28 (A3), DirtyDunning_26 (A4), Drake94_25 (A10), Druantia_26 (A4), Eagle_25 (A4), Eaglepride_27 (A10), Eapen_26 (A4), Edison31_26 (A10), EpicPhail_28 (A3), Eris_25 (A4), Eros_26 (A4), Eurydice_26 (A4), Farber_28 (A3), Fernando_28 (A3), Florean_26 (A4), Flux_26 (A4), Fred313_26 (A3), Funston_26 (A4), Gadost_26 (A4), Gemma_28 (A3), GingkoMaracino_28 (A3), Giroux_26 (A3), Goose_26 (A10), Grif_28 (A3), Groupthink_29 (A3), Grub_28 (A3), Grum1_28 (A3), GtownJaz_28 (A3), HamSlice_25 (A4), Happiness_26 (A4), HashRod_29 (A3), HaveUMetTed_29 (A3), Heathen_26 (A3), HelDan_26 (A3), Heliosoles_28 (A3), Hercules11_28 (A3), Holli_26 (A4), Hookmount_27 (A3), Houdini22_26 (A4), ICleared_26 (A4), Iceman_27 (A4), Idleandcovert_26 (A3), Iracema64_27 (A4), Isca_26 (A3), JF2_26 (A3), JF4_26 (A3), JHC117_28 (A3), Jaykayelowell_26 (A4), JenCasNa_28 (A3), JeppNRM_29 (A3), JetBlade_26 (A4), Jobu08_28 (A3), JoongJeon_26 (A4), KADY_29 (A3), KFPoly_26 (A4), Kalb97_29 (A3), Kalnoky_29 (A3), Kampy_26 (A4), Kimona_23 (A19), Kingmustik0402_26 (A4), KittenMittens_25 (A10), Koreni_25 (A4), Kratak_26 (A4), Kremtemulon_25 (A4), Kristoff_27 (A10), Kyee_26 (A4), LBerry_28 (A3), LHTSCC_27 (A4), Lambert1_27 (A3), LappelDuVide_25 (A4), LarryKay_28 (A3), Lemur_26 (A4), LeoAvram_26 (A4), Lilith_28 (A3), LittleB_26 (A4), LittleGuy_26 (A4), LochMonster_26 (A4), Lorenzo_26

(A4), Louie6_28 (A3), LugYA_30 (A3), Lunsford_27 (A4), MA5_26 (A3), MK4_26 (A3), MadMarie_28 (A3), Mainiac_28 (A3), Malinsilva_30 (A3), Manu_29 (A3), MarQuardt_28 (A3), Margo_27 (A3), Marie_28 (A3), Marius_29 (A3), Maverick_26 (A4), Maxo_26 (A4), Mazhar510_26 (A4), Medusa_26 (A4), MeeZee_26 (A4), Melvin_26 (A4), Methuselah_27 (A3), Microwolf_28 (A3), Millski_25 (A4), Misomonster_30 (A3), MoneyMay_28 (A3), Morrow_26 (A4), MuchMore_30 (A3), MyraDee_24 (A18), Nebs_26 (A4), Nemo27_26 (A4), Noella_27 (A3), Norbert_26 (A3), NorthStar_26 (A4), NotAPhaseMom_26 (A4), Nyxis_26 (A4), OKCentral2016_26 (A10), OKaNui_27 (A4), Obama12_27 (A4), Ohfah_26 (A4), OlanP_28 (A3), Ollie_28 (A3), P28Green_28 (A3), PGHhamlin_30 (A3), Palestino_25 (A4), Panamaxus_26 (A3), Pawn_29 (A3), PeaceMeal1_25 (A10), Peaches_26 (A4), Pembroke_28 (A3), Penny1_28 (A3), PeterPeter_26 (A4), Phacado_26 (A4), Phantastic_26 (A3), Felipe_26 (A4), Phighter1804_26 (A4), PhishRPhriends_27 (A3), Phoebe_28 (A3), Phontbonne_26 (A4), Phoxy_28 (A3), Phranny_29 (A3), Pipcraft_26 (A4), Pistachio_27 (A3), Pocahontas_27 (A3), Polymorphads_26 (A4), Poompha_25 (A10), Popcicle_27 (A3), PotatoSplit_29 (A3), Pumbaa_26 (A4), Puppy_27 (A3), PurpleHaze_28 (A3), QuinnKiro_26 (A3), Reba_29 (A3), Rebeuca_27 (A10), Relief_26 (A4), ResDef_27 (A3), RhynO_27 (A10), Rockstar_26 (A3), Romney_26 (A4), Roosevelt_26 (A4), Ruin_26 (A4), Rummer_28 (A3), Sabertooth_26 (A4), Sabia_28 (A3), Sabinator_28 (A3), SaturnRing_26 (A3), Scamp_26 (A4), Scout_26 (A3), Severus_25 (A10), Shaka_26 (A4), SheldonCooper_27 (A4), Skipitt_26 (A4), Snickers_28 (A3), SoYo_28 (A3), SoilDragon_28 (A3), Soshari_30 (A3), Sparxx_26 (A4), Spike509_28 (A3), Spino_26 (A4), Stagni_28 (A3), StepMih_28 (A3), TNguyen7_26 (A3), Taquarus_26 (A4), Taurus_28 (A3), Texage_26 (A3), Thanksgivukkah_26 (A4), Tiffany_28 (A3), TinaFeyge_26 (A4), Tinybot_25 (A4), TiroTheta9_26 (A4), Todacoro_27 (A3), Topanga_26 (A10), Trike_24 (A10), TroyPia_26 (A4), Twister_26 (A10), TygerBlood_26 (A4), Ulysses_25 (A4), Veracruz_26 (A3), Vix_28 (A3), WalterMcMickey_26 (A10), Wander_26 (A4), Watson_28 (A3), Wilbur_26 (A4), Wizard007_26 (A4), Wooldri_30 (A3), YoSam321_26 (A4), Zetzy_27 (A3),

Summary by clusters:

There are 5 clusters represented in this pham: A18, A3, A19, A4, A10,

Info for manual annotations of cluster A10:

- Start number 10 was manually annotated 16 times for cluster A10.

Info for manual annotations of cluster A18:

- Start number 10 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 10 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A3:

- Start number 10 was manually annotated 111 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 9 was manually annotated 21 times for cluster A4.
- Start number 10 was manually annotated 114 times for cluster A4.

Gene Information:

Gene: ACFishhook_28 Start: 19171, Stop: 20544, Start Num: 10

Candidate Starts for ACFishhook_28:

(Start: 10 @19171 has 243 MA's), (13, 19267), (15, 19291), (16, 19297), (23, 19522), (25, 19588), (30, 19645), (32, 19723), (38, 19855), (41, 19942), (43, 19963), (53, 20083), (57, 20134), (59, 20179), (62, 20221), (65, 20230), (76, 20401), (80, 20467), (81, 20491), (82, 20497),

Gene: AbbysRanger_26 Start: 18503, Stop: 19843, Start Num: 9

Candidate Starts for AbbysRanger_26:

(Start: 9 @18503 has 21 MA's), (12, 18581), (13, 18599), (22, 18848), (24, 18872), (25, 18920), (29, 18965), (30, 18977), (33, 19067), (41, 19274), (51, 19376), (53, 19415), (54, 19427), (59, 19505), (66, 19556), (67, 19565), (75, 19688), (76, 19700), (81, 19790), (83, 19835),

Gene: Abdiel_25 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for Abdiel_25:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (20, 18736), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: Achebe_25 Start: 18483, Stop: 19826, Start Num: 9

Candidate Starts for Achebe_25:

(Start: 9 @18483 has 21 MA's), (12, 18561), (13, 18579), (16, 18609), (22, 18828), (24, 18852), (25, 18900), (29, 18945), (30, 18957), (33, 19047), (34, 19074), (41, 19254), (51, 19359), (53, 19398), (59, 19488), (66, 19539), (67, 19548), (75, 19671), (76, 19683), (81, 19773), (83, 19818),

Gene: Aglet_28 Start: 19013, Stop: 20383, Start Num: 10

Candidate Starts for Aglet_28:

(Start: 10 @19013 has 243 MA's), (13, 19109), (15, 19133), (16, 19139), (23, 19364), (25, 19430), (30, 19487), (32, 19565), (38, 19697), (41, 19784), (53, 19925), (59, 20021), (62, 20063), (70, 20123), (73, 20195), (76, 20240), (80, 20306), (81, 20330), (82, 20336),

Gene: AgronaGT15_28 Start: 18920, Stop: 20290, Start Num: 10

Candidate Starts for AgronaGT15_28:

(Start: 10 @18920 has 243 MA's), (13, 19016), (15, 19040), (16, 19046), (23, 19271), (25, 19337), (30, 19394), (32, 19472), (38, 19604), (41, 19691), (53, 19832), (59, 19928), (62, 19970), (70, 20030), (73, 20102), (76, 20147), (80, 20213), (81, 20237), (82, 20243),

Gene: Albee_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Albee_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Alberto7_27 Start: 18792, Stop: 20132, Start Num: 10

Candidate Starts for Alberto7_27:

(3, 18594), (4, 18651), (7, 18690), (8, 18723), (Start: 10 @18792 has 243 MA's), (11, 18804), (12, 18870), (13, 18888), (16, 18918), (22, 19137), (25, 19209), (29, 19254), (30, 19266), (36, 19410), (41, 19563), (51, 19665), (53, 19704), (57, 19749), (58, 19770), (59, 19794), (63, 19836), (75, 19977), (76, 19989), (81, 20079), (82, 20085), (83, 20124),

Gene: Annyong_26 Start: 18491, Stop: 19831, Start Num: 10

Candidate Starts for Annyong_26:

(2, 18257), (3, 18293), (4, 18350), (7, 18389), (8, 18422), (Start: 10 @18491 has 243 MA's), (11, 18503), (12, 18569), (13, 18587), (16, 18617), (22, 18836), (25, 18908), (29, 18953), (30, 18965), (36, 19109), (41, 19262), (51, 19364), (53, 19403), (57, 19448), (58, 19469), (59, 19493), (63, 19535), (75, 19676), (76, 19688), (81, 19778), (82, 19784), (83, 19823),

Gene: Anubis_30 Start: 18898, Stop: 20268, Start Num: 10

Candidate Starts for Anubis_30:

(Start: 10 @18898 has 243 MA's), (13, 18994), (15, 19018), (16, 19024), (23, 19249), (25, 19315), (30, 19372), (32, 19450), (38, 19582), (41, 19669), (53, 19810), (59, 19906), (62, 19948), (70, 20008), (73, 20080), (76, 20125), (80, 20191), (81, 20215), (82, 20221),

Gene: Arturo_25 Start: 18601, Stop: 19842, Start Num: 10

Candidate Starts for Arturo_25:

(4, 18460), (6, 18490), (7, 18499), (8, 18532), (Start: 10 @18601 has 243 MA's), (11, 18613), (12, 18679), (13, 18697), (16, 18727), (22, 18946), (25, 19018), (29, 19063), (30, 19075), (36, 19219), (39, 19309), (41, 19372), (42, 19381), (51, 19474), (53, 19513), (57, 19558), (59, 19603), (63, 19645), (75, 19786), (76, 19798), (79, 19834),

Gene: AugsMagnumOpus_30 Start: 19004, Stop: 20374, Start Num: 10

Candidate Starts for AugsMagnumOpus_30:

(Start: 10 @19004 has 243 MA's), (13, 19100), (15, 19124), (16, 19130), (23, 19355), (25, 19421), (30, 19478), (32, 19556), (38, 19688), (41, 19775), (53, 19916), (59, 20012), (62, 20054), (70, 20114), (73, 20186), (76, 20231), (80, 20297), (81, 20321), (82, 20327),

Gene: AvatarAhPeg_27 Start: 18768, Stop: 20108, Start Num: 9

Candidate Starts for AvatarAhPeg_27:

(Start: 9 @18768 has 21 MA's), (12, 18846), (13, 18864), (16, 18894), (22, 19113), (25, 19185), (29, 19230), (30, 19242), (36, 19386), (38, 19452), (41, 19539), (51, 19641), (53, 19680), (59, 19770), (66, 19821), (67, 19830), (75, 19953), (76, 19965), (81, 20055), (83, 20100),

Gene: Avle17_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Avle17_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: B1_24 Start: 18222, Stop: 19595, Start Num: 10

Candidate Starts for B1_24:

(Start: 10 @18222 has 243 MA's), (12, 18300), (13, 18318), (16, 18348), (18, 18420), (25, 18639), (26, 18642), (29, 18684), (30, 18696), (41, 18993), (48, 19074), (51, 19095), (57, 19185), (59, 19230), (69, 19326), (71, 19386), (76, 19452), (78, 19479), (80, 19518), (81, 19542), (82, 19548),

Gene: Baby16_26 Start: 18499, Stop: 19839, Start Num: 10

Candidate Starts for Baby16_26:

(3, 18301), (4, 18358), (7, 18397), (8, 18430), (Start: 10 @18499 has 243 MA's), (11, 18511), (12, 18577), (13, 18595), (16, 18625), (20, 18748), (22, 18844), (25, 18916), (29, 18961), (30, 18973), (36, 19117), (41, 19270), (51, 19372), (53, 19411), (57, 19456), (58, 19477), (59, 19501), (63, 19543), (75, 19684), (76, 19696), (81, 19786), (82, 19792), (83, 19831),

Gene: BabyRay_26 Start: 18782, Stop: 20155, Start Num: 10

Candidate Starts for BabyRay_26:

(Start: 10 @18782 has 243 MA's), (12, 18860), (13, 18878), (16, 18908), (18, 18980), (25, 19199), (26, 19202), (29, 19244), (30, 19256), (41, 19553), (48, 19634), (51, 19655), (57, 19745), (59, 19790), (67, 19856), (69, 19886), (70, 19895), (71, 19946), (76, 20012), (78, 20039), (80, 20078), (81, 20102), (82, 20108),

Gene: Backyardigan_26 Start: 18495, Stop: 19838, Start Num: 9

Candidate Starts for Backyardigan_26:

(Start: 9 @18495 has 21 MA's), (12, 18573), (13, 18591), (16, 18621), (22, 18840), (24, 18864), (25, 18912), (29, 18957), (30, 18969), (33, 19059), (34, 19086), (41, 19266), (51, 19371), (53, 19410), (59, 19500), (66, 19551), (67, 19560), (75, 19683), (76, 19695), (81, 19785), (83, 19830),

Gene: Badger_26 Start: 18484, Stop: 19827, Start Num: 9

Candidate Starts for Badger_26:

(Start: 9 @18484 has 21 MA's), (12, 18562), (13, 18580), (16, 18610), (22, 18829), (24, 18853), (25, 18901), (29, 18946), (30, 18958), (33, 19048), (34, 19075), (41, 19255), (51, 19360), (53, 19399), (59, 19489), (66, 19540), (67, 19549), (75, 19672), (76, 19684), (81, 19774), (83, 19819),

Gene: BangNhom_26 Start: 18801, Stop: 20141, Start Num: 10

Candidate Starts for BangNhom_26:

(4, 18660), (6, 18690), (7, 18699), (8, 18732), (Start: 10 @18801 has 243 MA's), (12, 18879), (13, 18897), (16, 18927), (22, 19146), (25, 19218), (29, 19263), (30, 19275), (36, 19419), (40, 19566), (41, 19572), (51, 19674), (53, 19713), (59, 19803), (75, 19986), (76, 19998), (81, 20088), (82, 20094), (83, 20133),

Gene: Bartimeaus_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Bartimeaus_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Beauxregard13_28 Start: 19012, Stop: 20382, Start Num: 10

Candidate Starts for Beauxregard13_28:

(Start: 10 @19012 has 243 MA's), (13, 19108), (15, 19132), (16, 19138), (23, 19363), (25, 19429), (30, 19486), (32, 19564), (38, 19696), (41, 19783), (53, 19924), (59, 20020), (62, 20062), (70, 20122), (73, 20194), (76, 20239), (80, 20305), (81, 20329), (82, 20335),

Gene: BellusTerra_26 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for BellusTerra_26:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (20, 18736), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (58, 19465), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: Blackmoor_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Blackmoor_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: BlueBird_27 Start: 18534, Stop: 19907, Start Num: 10

Candidate Starts for BlueBird_27:

(Start: 10 @18534 has 243 MA's), (12, 18612), (13, 18630), (16, 18660), (18, 18732), (25, 18951), (26, 18954), (29, 18996), (30, 19008), (38, 19218), (41, 19305), (51, 19407), (53, 19446), (57, 19497), (59, 19542), (62, 19584), (68, 19611), (70, 19647), (71, 19698), (76, 19764), (78, 19791), (80, 19830), (81, 19854), (82, 19860),

Gene: Bombshell_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Bombshell_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: BreSam8_28 Start: 19005, Stop: 20375, Start Num: 10

Candidate Starts for BreSam8_28:

(Start: 10 @19005 has 243 MA's), (13, 19101), (15, 19125), (16, 19131), (23, 19356), (25, 19422), (30, 19479), (32, 19557), (38, 19689), (41, 19776), (53, 19917), (59, 20013), (62, 20055), (70, 20115), (73, 20187), (76, 20232), (80, 20298), (81, 20322), (82, 20328),

Gene: Broseidon_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Broseidon_26:

(3, 18292), (4, 18349), (5, 18367), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Bruiser_25 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Bruiser_25:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: BubbleTrouble_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for BubbleTrouble_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Bugatti_26 Start: 18534, Stop: 19907, Start Num: 10

Candidate Starts for Bugatti_26:

(Start: 10 @18534 has 243 MA's), (12, 18612), (13, 18630), (16, 18660), (18, 18732), (25, 18951), (26, 18954), (29, 18996), (30, 19008), (38, 19218), (41, 19305), (51, 19407), (53, 19446), (57, 19497), (59, 19542), (62, 19584), (68, 19611), (70, 19647), (71, 19698), (76, 19764), (78, 19791), (80, 19830), (81, 19854), (82, 19860),

Gene: Bumblebee11_26 Start: 18489, Stop: 19829, Start Num: 9

Candidate Starts for Bumblebee11_26:

(Start: 9 @18489 has 21 MA's), (12, 18567), (13, 18585), (22, 18834), (24, 18858), (25, 18906), (29, 18951), (30, 18963), (33, 19053), (41, 19260), (51, 19362), (53, 19401), (54, 19413), (59, 19491), (66, 19542), (67, 19551), (75, 19674), (76, 19686), (81, 19776), (83, 19821),

Gene: Burger_25 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Burger_25:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: BuzzBuzz_27 Start: 19096, Stop: 20466, Start Num: 10

Candidate Starts for BuzzBuzz_27:

(Start: 10 @19096 has 243 MA's), (13, 19192), (15, 19216), (16, 19222), (23, 19447), (25, 19513), (30, 19570), (32, 19648), (38, 19780), (41, 19867), (53, 20008), (59, 20104), (62, 20146), (70, 20206), (73, 20278), (76, 20323), (80, 20389), (81, 20413), (82, 20419),

Gene: Bxz2_27 Start: 19106, Stop: 20476, Start Num: 10

Candidate Starts for Bxz2_27:

(Start: 10 @19106 has 243 MA's), (13, 19202), (15, 19226), (16, 19232), (23, 19457), (25, 19523), (30, 19580), (32, 19658), (38, 19790), (41, 19877), (53, 20018), (59, 20114), (62, 20156), (70, 20216), (73, 20288), (76, 20333), (80, 20399), (81, 20423), (82, 20429),

Gene: Caelakin_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Caelakin_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Camperdownii_25 Start: 18109, Stop: 19449, Start Num: 10

Candidate Starts for Camperdownii_25:

(3, 17911), (4, 17968), (7, 18007), (8, 18040), (Start: 10 @18109 has 243 MA's), (11, 18121), (12, 18187), (13, 18205), (16, 18235), (22, 18454), (25, 18526), (29, 18571), (30, 18583), (36, 18727), (40, 18874), (41, 18880), (51, 18982), (53, 19021), (59, 19111), (75, 19294), (76, 19306), (81, 19396), (83, 19441),

Gene: Caviar_27 Start: 19085, Stop: 20458, Start Num: 10

Candidate Starts for Caviar_27:

(Start: 10 @19085 has 243 MA's), (12, 19163), (13, 19181), (15, 19205), (17, 19214), (19, 19292), (25, 19502), (26, 19505), (29, 19547), (30, 19559), (32, 19637), (41, 19856), (51, 19958), (57, 20048), (59, 20093), (62, 20135), (70, 20198), (71, 20249), (76, 20315), (78, 20342), (80, 20381), (81, 20405), (82, 20411),

Gene: CentreCat_26 Start: 18491, Stop: 19831, Start Num: 10

Candidate Starts for CentreCat_26:

(3, 18293), (4, 18350), (7, 18389), (8, 18422), (Start: 10 @18491 has 243 MA's), (11, 18503), (12, 18569), (13, 18587), (16, 18617), (20, 18740), (22, 18836), (25, 18908), (29, 18953), (30, 18965), (36, 19109), (41, 19262), (51, 19364), (53, 19403), (57, 19448), (58, 19469), (59, 19493), (63, 19535), (75, 19676), (76, 19688), (81, 19778), (82, 19784), (83, 19823),

Gene: Cerulean_27 Start: 18802, Stop: 20142, Start Num: 10

Candidate Starts for Cerulean_27:

(4, 18661), (6, 18691), (7, 18700), (8, 18733), (Start: 10 @18802 has 243 MA's), (12, 18880), (13, 18898), (16, 18928), (22, 19147), (25, 19219), (29, 19264), (30, 19276), (36, 19420), (40, 19567), (41, 19573), (51, 19675), (53, 19714), (59, 19804), (75, 19987), (76, 19999), (81, 20089), (82, 20095), (83, 20134),

Gene: ChampagnePapi_27 Start: 18801, Stop: 20141, Start Num: 10

Candidate Starts for ChampagnePapi_27:

(4, 18660), (6, 18690), (7, 18699), (8, 18732), (Start: 10 @18801 has 243 MA's), (12, 18879), (13, 18897), (16, 18927), (22, 19146), (25, 19218), (29, 19263), (30, 19275), (36, 19419), (40, 19566), (41, 19572), (51, 19674), (53, 19713), (59, 19803), (75, 19986), (76, 19998), (81, 20088), (82, 20094), (83, 20133),

Gene: Chaph_26 Start: 18499, Stop: 19839, Start Num: 10

Candidate Starts for Chaph_26:

(3, 18301), (4, 18358), (7, 18397), (8, 18430), (Start: 10 @18499 has 243 MA's), (11, 18511), (12, 18577), (13, 18595), (16, 18625), (20, 18748), (22, 18844), (25, 18916), (29, 18961), (30, 18973), (36, 19117), (41, 19270), (51, 19372), (53, 19411), (57, 19456), (58, 19477), (59, 19501), (63, 19543), (75, 19684), (76, 19696), (81, 19786), (82, 19792), (83, 19831),

Gene: Chupacabra_26 Start: 18421, Stop: 19788, Start Num: 10

Candidate Starts for Chupacabra_26:

(1, 18172), (4, 18280), (Start: 10 @18421 has 243 MA's), (12, 18499), (13, 18517), (16, 18547), (17, 18550), (19, 18628), (25, 18838), (28, 18880), (31, 18958), (35, 19030), (36, 19039), (41, 19192), (46, 19246), (51, 19300), (52, 19336), (57, 19384), (59, 19429), (64, 19474), (71, 19579), (76, 19645), (77, 19654), (81, 19735), (82, 19741),

Gene: Cici_26 Start: 18480, Stop: 19823, Start Num: 9

Candidate Starts for Cici_26:

(Start: 9 @18480 has 21 MA's), (12, 18558), (13, 18576), (16, 18606), (22, 18825), (24, 18849), (25, 18897), (29, 18942), (30, 18954), (33, 19044), (34, 19071), (41, 19251), (51, 19356), (53, 19395), (59, 19485), (66, 19536), (67, 19545), (75, 19668), (76, 19680), (81, 19770), (83, 19815),

Gene: Cindaradix_25 Start: 18214, Stop: 19554, Start Num: 9

Candidate Starts for Cindaradix_25:

(Start: 9 @18214 has 21 MA's), (12, 18292), (13, 18310), (16, 18340), (22, 18559), (24, 18583), (25, 18631), (29, 18676), (30, 18688), (37, 18889), (41, 18985), (51, 19087), (53, 19126), (59, 19216), (66, 19267), (67, 19276), (75, 19399), (76, 19411), (81, 19501), (83, 19546),

Gene: Cintron_26 Start: 18538, Stop: 19878, Start Num: 10

Candidate Starts for Cintron_26:

(4, 18397), (6, 18427), (7, 18436), (8, 18469), (Start: 10 @18538 has 243 MA's), (11, 18550), (12, 18616), (13, 18634), (16, 18664), (22, 18883), (25, 18955), (29, 19000), (30, 19012), (36, 19156), (41, 19309), (51, 19411), (53, 19450), (57, 19495), (58, 19516), (59, 19540), (63, 19582), (75, 19723), (76, 19735), (81, 19825), (82, 19831), (83, 19870),

Gene: Citius_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Citius_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Clarenza_26 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for Clarenza_26:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (20, 18736), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (58, 19465), (59, 19489), (63, 19531), (75,

19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: Cocoaberry_26 Start: 18494, Stop: 19834, Start Num: 10

Candidate Starts for Cocoaberry_26:

(3, 18296), (4, 18353), (7, 18392), (8, 18425), (Start: 10 @18494 has 243 MA's), (11, 18506), (12, 18572), (13, 18590), (16, 18620), (20, 18743), (22, 18839), (25, 18911), (29, 18956), (30, 18968), (36, 19112), (41, 19265), (51, 19367), (53, 19406), (57, 19451), (58, 19472), (59, 19496), (63, 19538), (75, 19679), (76, 19691), (81, 19781), (82, 19787), (83, 19826),

Gene: Colbster_28 Start: 19012, Stop: 20382, Start Num: 10

Candidate Starts for Colbster_28:

(Start: 10 @19012 has 243 MA's), (13, 19108), (15, 19132), (16, 19138), (23, 19363), (25, 19429), (30, 19486), (32, 19564), (38, 19696), (41, 19783), (53, 19924), (59, 20020), (62, 20062), (70, 20122), (73, 20194), (76, 20239), (80, 20305), (81, 20329), (82, 20335),

Gene: Commander_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Commander_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Connomayer_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Connomayer_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Cullens_28 Start: 19011, Stop: 20381, Start Num: 10

Candidate Starts for Cullens_28:

(Start: 10 @19011 has 243 MA's), (13, 19107), (15, 19131), (16, 19137), (23, 19362), (25, 19428), (30, 19485), (32, 19563), (38, 19695), (41, 19782), (53, 19923), (59, 20019), (62, 20061), (70, 20121), (73, 20193), (76, 20238), (80, 20304), (81, 20328), (82, 20334),

Gene: DaHudson_28 Start: 19004, Stop: 20374, Start Num: 10

Candidate Starts for DaHudson_28:

(Start: 10 @19004 has 243 MA's), (13, 19100), (15, 19124), (16, 19130), (23, 19355), (25, 19421), (30, 19478), (32, 19556), (38, 19688), (41, 19775), (53, 19916), (59, 20012), (62, 20054), (70, 20114), (73, 20186), (76, 20231), (80, 20297), (81, 20321), (82, 20327),

Gene: Daishi_27 Start: 17937, Stop: 19307, Start Num: 10

Candidate Starts for Daishi_27:

(Start: 10 @17937 has 243 MA's), (13, 18033), (15, 18057), (16, 18063), (23, 18288), (25, 18354), (30, 18411), (32, 18489), (38, 18621), (41, 18708), (53, 18849), (59, 18945), (62, 18987), (70, 19047), (73, 19119), (76, 19164), (80, 19230), (81, 19254), (82, 19260),

Gene: Datway_26 Start: 18495, Stop: 19838, Start Num: 9

Candidate Starts for Datway_26:

(Start: 9 @18495 has 21 MA's), (12, 18573), (13, 18591), (16, 18621), (22, 18840), (24, 18864), (25, 18912), (29, 18957), (30, 18969), (33, 19059), (34, 19086), (41, 19266), (51, 19371), (53, 19410), (59, 19500), (66, 19551), (67, 19560), (75, 19683), (76, 19695), (81, 19785), (83, 19830),

Gene: Deano_26 Start: 18498, Stop: 19838, Start Num: 10

Candidate Starts for Deano_26:

(3, 18300), (4, 18357), (7, 18396), (8, 18429), (Start: 10 @18498 has 243 MA's), (11, 18510), (12, 18576), (13, 18594), (16, 18624), (22, 18843), (25, 18915), (29, 18960), (30, 18972), (36, 19116), (41, 19269), (51, 19371), (53, 19410), (57, 19455), (58, 19476), (59, 19500), (63, 19542), (75, 19683), (76, 19695), (81, 19785), (82, 19791), (83, 19830),

Gene: Dhanush_26 Start: 18493, Stop: 19833, Start Num: 10

Candidate Starts for Dhanush_26:

(3, 18295), (4, 18352), (7, 18391), (8, 18424), (Start: 10 @18493 has 243 MA's), (11, 18505), (12, 18571), (13, 18589), (16, 18619), (20, 18742), (22, 18838), (25, 18910), (29, 18955), (30, 18967), (36, 19111), (41, 19264), (51, 19366), (53, 19405), (57, 19450), (58, 19471), (59, 19495), (63, 19537), (75, 19678), (76, 19690), (81, 19780), (82, 19786), (83, 19825),

Gene: Dieselweasel_28 Start: 19013, Stop: 20383, Start Num: 10

Candidate Starts for Dieselweasel_28:

(Start: 10 @19013 has 243 MA's), (13, 19109), (15, 19133), (16, 19139), (23, 19364), (25, 19430), (30, 19487), (32, 19565), (38, 19697), (41, 19784), (53, 19925), (59, 20021), (62, 20063), (70, 20123), (73, 20195), (76, 20240), (80, 20306), (81, 20330), (82, 20336),

Gene: DirtyDunning_26 Start: 18486, Stop: 19826, Start Num: 10

Candidate Starts for DirtyDunning_26:

(3, 18288), (4, 18345), (7, 18384), (8, 18417), (Start: 10 @18486 has 243 MA's), (11, 18498), (12, 18564), (13, 18582), (16, 18612), (22, 18831), (25, 18903), (29, 18948), (30, 18960), (36, 19104), (41, 19257), (51, 19359), (53, 19398), (57, 19443), (58, 19464), (59, 19488), (63, 19530), (75, 19671), (76, 19683), (81, 19773), (82, 19779), (83, 19818),

Gene: Drake94_25 Start: 16517, Stop: 17884, Start Num: 10

Candidate Starts for Drake94_25:

(Start: 10 @16517 has 243 MA's), (12, 16595), (13, 16613), (16, 16643), (17, 16646), (20, 16766), (25, 16934), (28, 16976), (36, 17135), (40, 17282), (41, 17288), (46, 17342), (51, 17396), (52, 17432), (56, 17474), (57, 17480), (59, 17525), (64, 17570), (71, 17675), (76, 17741), (77, 17750), (78, 17768), (81, 17831), (82, 17837),

Gene: Druantia_26 Start: 18491, Stop: 19831, Start Num: 10

Candidate Starts for Druantia_26:

(3, 18293), (4, 18350), (7, 18389), (8, 18422), (Start: 10 @18491 has 243 MA's), (11, 18503), (12, 18569), (13, 18587), (16, 18617), (20, 18740), (22, 18836), (25, 18908), (29, 18953), (30, 18965), (36, 19109), (41, 19262), (51, 19364), (53, 19403), (57, 19448), (58, 19469), (59, 19493), (63, 19535), (75, 19676), (76, 19688), (81, 19778), (82, 19784), (83, 19823),

Gene: Eagle_25 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Eagle_25:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Eaglepride_27 Start: 18452, Stop: 19810, Start Num: 10

Candidate Starts for Eaglepride_27:

(7, 18350), (Start: 10 @18452 has 243 MA's), (12, 18530), (13, 18548), (16, 18578), (17, 18581), (19, 18659), (25, 18869), (28, 18911), (36, 19070), (41, 19223), (46, 19277), (47, 19298), (51, 19325), (53, 19364), (57, 19415), (59, 19460), (60, 19463), (71, 19601), (76, 19667), (78, 19694), (80, 19733), (81,

19757), (82, 19763),

Gene: Eapen_26 Start: 18489, Stop: 19829, Start Num: 10

Candidate Starts for Eapen_26:

(3, 18291), (4, 18348), (7, 18387), (8, 18420), (Start: 10 @18489 has 243 MA's), (11, 18501), (12, 18567), (13, 18585), (16, 18615), (20, 18738), (22, 18834), (25, 18906), (29, 18951), (30, 18963), (36, 19107), (41, 19260), (51, 19362), (53, 19401), (57, 19446), (58, 19467), (59, 19491), (63, 19533), (75, 19674), (76, 19686), (81, 19776), (82, 19782), (83, 19821),

Gene: Edison31_26 Start: 18461, Stop: 19825, Start Num: 10

Candidate Starts for Edison31_26:

(7, 18359), (Start: 10 @18461 has 243 MA's), (12, 18539), (13, 18557), (16, 18587), (17, 18590), (19, 18668), (21, 18800), (25, 18878), (28, 18920), (31, 18998), (41, 19232), (45, 19277), (46, 19286), (51, 19337), (57, 19421), (59, 19466), (63, 19508), (66, 19517), (71, 19616), (74, 19646), (76, 19682), (81, 19772), (82, 19778),

Gene: EpicPhail_28 Start: 19012, Stop: 20382, Start Num: 10

Candidate Starts for EpicPhail_28:

(Start: 10 @19012 has 243 MA's), (13, 19108), (15, 19132), (16, 19138), (23, 19363), (25, 19429), (30, 19486), (32, 19564), (38, 19696), (41, 19783), (53, 19924), (59, 20020), (62, 20062), (70, 20122), (73, 20194), (76, 20239), (80, 20305), (81, 20329), (82, 20335),

Gene: Eris_25 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Eris_25:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Eros_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Eros_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Eurydice_26 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for Eurydice_26:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (20, 18736), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (58, 19465), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: Farber_28 Start: 19005, Stop: 20375, Start Num: 10

Candidate Starts for Farber_28:

(Start: 10 @19005 has 243 MA's), (13, 19101), (15, 19125), (16, 19131), (23, 19356), (25, 19422), (30, 19479), (32, 19557), (38, 19689), (41, 19776), (53, 19917), (59, 20013), (62, 20055), (70, 20115), (73, 20187), (76, 20232), (80, 20298), (81, 20322), (82, 20328),

Gene: Fernando_28 Start: 19011, Stop: 20381, Start Num: 10

Candidate Starts for Fernando_28:

(Start: 10 @19011 has 243 MA's), (13, 19107), (15, 19131), (16, 19137), (23, 19362), (25, 19428), (30, 19485), (32, 19563), (38, 19695), (41, 19782), (53, 19923), (59, 20019), (62, 20061), (70, 20121), (73,

20193), (76, 20238), (80, 20304), (81, 20328), (82, 20334),

Gene: Florean_26 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for Florean_26:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (20, 18736), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (58, 19465), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: Flux_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Flux_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Fred313_26 Start: 18282, Stop: 19655, Start Num: 10

Candidate Starts for Fred313_26:

(Start: 10 @18282 has 243 MA's), (12, 18360), (13, 18378), (16, 18408), (17, 18411), (18, 18480), (25, 18699), (26, 18702), (29, 18744), (30, 18756), (41, 19053), (48, 19134), (51, 19155), (57, 19245), (59, 19290), (62, 19332), (70, 19395), (71, 19446), (72, 19449), (76, 19512), (78, 19539), (80, 19578), (81, 19602), (82, 19608),

Gene: Funston_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Funston_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Gadost_26 Start: 18494, Stop: 19834, Start Num: 10

Candidate Starts for Gadost_26:

(3, 18296), (4, 18353), (7, 18392), (8, 18425), (Start: 10 @18494 has 243 MA's), (11, 18506), (12, 18572), (13, 18590), (16, 18620), (20, 18743), (22, 18839), (25, 18911), (29, 18956), (30, 18968), (36, 19112), (41, 19265), (51, 19367), (53, 19406), (57, 19451), (58, 19472), (59, 19496), (63, 19538), (75, 19679), (76, 19691), (81, 19781), (82, 19787), (83, 19826),

Gene: Gemma_28 Start: 19086, Stop: 20459, Start Num: 10

Candidate Starts for Gemma_28:

(Start: 10 @19086 has 243 MA's), (13, 19182), (15, 19206), (16, 19212), (23, 19437), (25, 19503), (30, 19560), (32, 19638), (38, 19770), (41, 19857), (43, 19878), (53, 19998), (57, 20049), (59, 20094), (62, 20136), (65, 20145), (76, 20316), (80, 20382), (81, 20406), (82, 20412),

Gene: GingkoMaracino_28 Start: 18898, Stop: 20268, Start Num: 10

Candidate Starts for GingkoMaracino_28:

(Start: 10 @18898 has 243 MA's), (13, 18994), (15, 19018), (16, 19024), (23, 19249), (25, 19315), (30, 19372), (32, 19450), (38, 19582), (41, 19669), (53, 19810), (59, 19906), (62, 19948), (70, 20008), (73, 20080), (76, 20125), (80, 20191), (81, 20215), (82, 20221),

Gene: Giroux_26 Start: 18534, Stop: 19907, Start Num: 10

Candidate Starts for Giroux_26:

(Start: 10 @18534 has 243 MA's), (12, 18612), (13, 18630), (16, 18660), (18, 18732), (25, 18951), (26, 18954), (29, 18996), (30, 19008), (38, 19218), (41, 19305), (51, 19407), (53, 19446), (57, 19497), (59,

19542), (62, 19584), (68, 19611), (70, 19647), (71, 19698), (76, 19764), (78, 19791), (80, 19830), (81, 19854), (82, 19860),

Gene: Goose_26 Start: 18422, Stop: 19789, Start Num: 10

Candidate Starts for Goose_26:

(1, 18173), (4, 18281), (Start: 10 @18422 has 243 MA's), (12, 18500), (13, 18518), (16, 18548), (17, 18551), (19, 18629), (25, 18839), (28, 18881), (31, 18959), (35, 19031), (36, 19040), (41, 19193), (46, 19247), (51, 19301), (52, 19337), (57, 19385), (59, 19430), (64, 19475), (71, 19580), (76, 19646), (77, 19655), (81, 19736), (82, 19742),

Gene: Grif_28 Start: 19095, Stop: 20465, Start Num: 10

Candidate Starts for Grif_28:

(Start: 10 @19095 has 243 MA's), (13, 19191), (15, 19215), (16, 19221), (23, 19446), (25, 19512), (30, 19569), (32, 19647), (38, 19779), (41, 19866), (53, 20007), (59, 20103), (62, 20145), (70, 20205), (73, 20277), (76, 20322), (80, 20388), (81, 20412), (82, 20418),

Gene: Groupthink_29 Start: 19090, Stop: 20463, Start Num: 10

Candidate Starts for Groupthink_29:

(Start: 10 @19090 has 243 MA's), (13, 19186), (15, 19210), (16, 19216), (23, 19441), (25, 19507), (30, 19564), (32, 19642), (38, 19774), (41, 19861), (43, 19882), (53, 20002), (57, 20053), (59, 20098), (62, 20140), (65, 20149), (76, 20320), (80, 20386), (81, 20410), (82, 20416),

Gene: Grub_28 Start: 19004, Stop: 20374, Start Num: 10

Candidate Starts for Grub_28:

(Start: 10 @19004 has 243 MA's), (13, 19100), (15, 19124), (16, 19130), (23, 19355), (25, 19421), (30, 19478), (32, 19556), (38, 19688), (41, 19775), (53, 19916), (59, 20012), (62, 20054), (70, 20114), (73, 20186), (76, 20231), (80, 20297), (81, 20321), (82, 20327),

Gene: Grum1_28 Start: 19005, Stop: 20378, Start Num: 10

Candidate Starts for Grum1_28:

(Start: 10 @19005 has 243 MA's), (13, 19101), (15, 19125), (16, 19131), (23, 19356), (25, 19422), (30, 19479), (32, 19557), (38, 19689), (41, 19776), (48, 19857), (53, 19917), (57, 19968), (59, 20013), (70, 20118), (73, 20190), (76, 20235), (80, 20301), (81, 20325), (82, 20331),

Gene: GtownJaz_28 Start: 19013, Stop: 20383, Start Num: 10

Candidate Starts for GtownJaz_28:

(Start: 10 @19013 has 243 MA's), (13, 19109), (15, 19133), (16, 19139), (23, 19364), (25, 19430), (30, 19487), (32, 19565), (38, 19697), (41, 19784), (53, 19925), (59, 20021), (62, 20063), (70, 20123), (73, 20195), (76, 20240), (80, 20306), (81, 20330), (82, 20336),

Gene: HamSlice_25 Start: 18488, Stop: 19828, Start Num: 10

Candidate Starts for HamSlice_25:

(3, 18290), (4, 18347), (7, 18386), (8, 18419), (Start: 10 @18488 has 243 MA's), (11, 18500), (12, 18566), (13, 18584), (16, 18614), (20, 18737), (22, 18833), (25, 18905), (29, 18950), (30, 18962), (36, 19106), (41, 19259), (51, 19361), (53, 19400), (57, 19445), (58, 19466), (59, 19490), (63, 19532), (75, 19673), (76, 19685), (81, 19775), (82, 19781), (83, 19820),

Gene: Happiness_26 Start: 18496, Stop: 19836, Start Num: 10

Candidate Starts for Happiness_26:

(4, 18355), (6, 18385), (7, 18394), (8, 18427), (Start: 10 @18496 has 243 MA's), (11, 18508), (12, 18574), (13, 18592), (16, 18622), (22, 18841), (25, 18913), (29, 18958), (30, 18970), (36, 19114), (41, 19267), (51, 19369), (53, 19408), (57, 19453), (59, 19498), (63, 19540), (75, 19681), (76, 19693), (81, 19783), (82, 19789), (83, 19828),

Gene: HashRod_29 Start: 19096, Stop: 20469, Start Num: 10

Candidate Starts for HashRod_29:

(Start: 10 @19096 has 243 MA's), (13, 19192), (15, 19216), (16, 19222), (23, 19447), (25, 19513), (30, 19570), (32, 19648), (38, 19780), (41, 19867), (48, 19948), (53, 20008), (57, 20059), (59, 20104), (70, 20209), (73, 20281), (76, 20326), (80, 20392), (81, 20416), (82, 20422),

Gene: HaveUMetTed_29 Start: 19083, Stop: 20456, Start Num: 10

Candidate Starts for HaveUMetTed_29:

(Start: 10 @19083 has 243 MA's), (13, 19179), (15, 19203), (16, 19209), (23, 19434), (25, 19500), (30, 19557), (32, 19635), (38, 19767), (41, 19854), (43, 19875), (53, 19995), (57, 20046), (59, 20091), (62, 20133), (65, 20142), (76, 20313), (80, 20379), (81, 20403), (82, 20409),

Gene: Heathen_26 Start: 18338, Stop: 19711, Start Num: 10

Candidate Starts for Heathen_26:

(Start: 10 @18338 has 243 MA's), (12, 18416), (13, 18434), (16, 18464), (17, 18467), (18, 18536), (25, 18755), (26, 18758), (29, 18800), (30, 18812), (41, 19109), (48, 19190), (51, 19211), (57, 19301), (59, 19346), (62, 19388), (70, 19451), (71, 19502), (72, 19505), (76, 19568), (78, 19595), (80, 19634), (81, 19658), (82, 19664),

Gene: HelDan_26 Start: 18590, Stop: 19963, Start Num: 10

Candidate Starts for HelDan_26:

(Start: 10 @18590 has 243 MA's), (12, 18668), (13, 18686), (16, 18716), (17, 18719), (18, 18788), (25, 19007), (26, 19010), (29, 19052), (30, 19064), (41, 19361), (48, 19442), (51, 19463), (57, 19553), (59, 19598), (62, 19640), (70, 19703), (71, 19754), (72, 19757), (76, 19820), (78, 19847), (80, 19886), (81, 19910), (82, 19916),

Gene: Heliosoles_28 Start: 19090, Stop: 20463, Start Num: 10

Candidate Starts for Heliosoles_28:

(Start: 10 @19090 has 243 MA's), (13, 19186), (15, 19210), (16, 19216), (23, 19441), (25, 19507), (30, 19564), (32, 19642), (38, 19774), (41, 19861), (43, 19882), (53, 20002), (57, 20053), (59, 20098), (62, 20140), (65, 20149), (76, 20320), (80, 20386), (81, 20410), (82, 20416),

Gene: Hercules11_28 Start: 19019, Stop: 20389, Start Num: 10

Candidate Starts for Hercules11_28:

(Start: 10 @19019 has 243 MA's), (13, 19115), (15, 19139), (16, 19145), (23, 19370), (25, 19436), (30, 19493), (32, 19571), (38, 19703), (41, 19790), (53, 19931), (59, 20027), (62, 20069), (70, 20129), (73, 20201), (76, 20246), (80, 20312), (81, 20336), (82, 20342),

Gene: Holli_26 Start: 18280, Stop: 19620, Start Num: 10

Candidate Starts for Holli_26:

(3, 18082), (4, 18139), (7, 18178), (8, 18211), (Start: 10 @18280 has 243 MA's), (11, 18292), (12, 18358), (13, 18376), (16, 18406), (20, 18529), (22, 18625), (25, 18697), (29, 18742), (30, 18754), (36, 18898), (41, 19051), (51, 19153), (53, 19192), (57, 19237), (58, 19258), (59, 19282), (63, 19324), (75, 19465), (76, 19477), (81, 19567), (82, 19573), (83, 19612),

Gene: Hookmount_27 Start: 19086, Stop: 20459, Start Num: 10

Candidate Starts for Hookmount_27:

(Start: 10 @19086 has 243 MA's), (12, 19164), (13, 19182), (15, 19206), (17, 19215), (19, 19293), (25, 19503), (26, 19506), (29, 19548), (30, 19560), (32, 19638), (41, 19857), (51, 19959), (57, 20049), (59, 20094), (62, 20136), (70, 20199), (71, 20250), (76, 20316), (78, 20343), (80, 20382), (81, 20406), (82, 20412),

Gene: Houdini22_26 Start: 18494, Stop: 19834, Start Num: 10

Candidate Starts for Houdini22_26:

(3, 18296), (4, 18353), (7, 18392), (8, 18425), (Start: 10 @18494 has 243 MA's), (11, 18506), (12, 18572), (13, 18590), (16, 18620), (20, 18743), (22, 18839), (25, 18911), (29, 18956), (30, 18968), (36, 19112), (41, 19265), (51, 19367), (53, 19406), (57, 19451), (58, 19472), (59, 19496), (63, 19538), (75, 19679), (76, 19691), (81, 19781), (82, 19787), (83, 19826),

Gene: ICleared_26 Start: 18488, Stop: 19828, Start Num: 10

Candidate Starts for ICleared_26:

(3, 18290), (4, 18347), (7, 18386), (8, 18419), (Start: 10 @18488 has 243 MA's), (11, 18500), (12, 18566), (13, 18584), (16, 18614), (20, 18737), (22, 18833), (25, 18905), (29, 18950), (30, 18962), (36, 19106), (41, 19259), (51, 19361), (53, 19400), (57, 19445), (58, 19466), (59, 19490), (63, 19532), (75, 19673), (76, 19685), (81, 19775), (82, 19781), (83, 19820),

Gene: Iceman_27 Start: 18779, Stop: 20119, Start Num: 10

Candidate Starts for Iceman_27:

(3, 18581), (4, 18638), (7, 18677), (8, 18710), (Start: 10 @18779 has 243 MA's), (11, 18791), (12, 18857), (13, 18875), (16, 18905), (20, 19028), (22, 19124), (25, 19196), (29, 19241), (30, 19253), (36, 19397), (41, 19550), (51, 19652), (53, 19691), (57, 19736), (58, 19757), (59, 19781), (63, 19823), (75, 19964), (76, 19976), (81, 20066), (82, 20072), (83, 20111),

Gene: Idleandcovert_26 Start: 18534, Stop: 19907, Start Num: 10

Candidate Starts for Idleandcovert_26:

(Start: 10 @18534 has 243 MA's), (12, 18612), (13, 18630), (16, 18660), (18, 18732), (25, 18951), (26, 18954), (29, 18996), (30, 19008), (38, 19218), (41, 19305), (51, 19407), (53, 19446), (57, 19497), (59, 19542), (62, 19584), (68, 19611), (70, 19647), (71, 19698), (76, 19764), (78, 19791), (80, 19830), (81, 19854), (82, 19860),

Gene: Iracema64_27 Start: 18801, Stop: 20141, Start Num: 10

Candidate Starts for Iracema64_27:

(3, 18603), (4, 18660), (7, 18699), (8, 18732), (Start: 10 @18801 has 243 MA's), (11, 18813), (12, 18879), (13, 18897), (16, 18927), (22, 19146), (25, 19218), (29, 19263), (30, 19275), (36, 19419), (41, 19572), (51, 19674), (53, 19713), (57, 19758), (59, 19803), (63, 19845), (75, 19986), (76, 19998), (81, 20088), (82, 20094), (83, 20133),

Gene: Isca_26 Start: 18471, Stop: 19844, Start Num: 10

Candidate Starts for Isca_26:

(Start: 10 @18471 has 243 MA's), (12, 18549), (13, 18567), (16, 18597), (18, 18669), (25, 18888), (29, 18933), (30, 18945), (41, 19242), (48, 19323), (51, 19344), (57, 19434), (59, 19479), (67, 19545), (69, 19575), (71, 19635), (76, 19701), (78, 19728), (80, 19767), (81, 19791), (82, 19797),

Gene: JF2_26 Start: 18222, Stop: 19595, Start Num: 10

Candidate Starts for JF2_26:

(Start: 10 @18222 has 243 MA's), (12, 18300), (13, 18318), (16, 18348), (18, 18420), (25, 18639), (26, 18642), (29, 18684), (30, 18696), (41, 18993), (48, 19074), (51, 19095), (57, 19185), (59, 19230), (69, 19326), (71, 19386), (76, 19452), (78, 19479), (80, 19518), (81, 19542), (82, 19548),

Gene: JF4_26 Start: 18222, Stop: 19595, Start Num: 10

Candidate Starts for JF4_26:

(Start: 10 @18222 has 243 MA's), (12, 18300), (13, 18318), (16, 18348), (18, 18420), (25, 18639), (26, 18642), (29, 18684), (30, 18696), (41, 18993), (48, 19074), (51, 19095), (57, 19185), (59, 19230), (69, 19326), (71, 19386), (76, 19452), (78, 19479), (80, 19518), (81, 19542), (82, 19548),

Gene: JHC117_28 Start: 19010, Stop: 20380, Start Num: 10

Candidate Starts for JHC117_28:

(Start: 10 @19010 has 243 MA's), (13, 19106), (15, 19130), (16, 19136), (23, 19361), (25, 19427), (30, 19484), (32, 19562), (38, 19694), (41, 19781), (53, 19922), (59, 20018), (62, 20060), (70, 20120), (73, 20192), (76, 20237), (80, 20303), (81, 20327), (82, 20333),

Gene: Jaykayelowell_26 Start: 18486, Stop: 19826, Start Num: 10

Candidate Starts for Jaykayelowell_26:

(3, 18288), (4, 18345), (7, 18384), (8, 18417), (Start: 10 @18486 has 243 MA's), (11, 18498), (12, 18564), (13, 18582), (16, 18612), (22, 18831), (25, 18903), (29, 18948), (30, 18960), (36, 19104), (41, 19257), (51, 19359), (53, 19398), (57, 19443), (58, 19464), (59, 19488), (63, 19530), (75, 19671), (76, 19683), (81, 19773), (82, 19779), (83, 19818),

Gene: JenCasNa_28 Start: 19011, Stop: 20381, Start Num: 10

Candidate Starts for JenCasNa_28:

(Start: 10 @19011 has 243 MA's), (13, 19107), (15, 19131), (16, 19137), (23, 19362), (25, 19428), (30, 19485), (32, 19563), (38, 19695), (41, 19782), (53, 19923), (59, 20019), (62, 20061), (70, 20121), (73, 20193), (76, 20238), (80, 20304), (81, 20328), (82, 20334),

Gene: JeppNRM_29 Start: 19088, Stop: 20461, Start Num: 10

Candidate Starts for JeppNRM_29:

(Start: 10 @19088 has 243 MA's), (13, 19184), (15, 19208), (16, 19214), (23, 19439), (25, 19505), (30, 19562), (32, 19640), (38, 19772), (41, 19859), (43, 19880), (53, 20000), (57, 20051), (59, 20096), (62, 20138), (65, 20147), (76, 20318), (80, 20384), (81, 20408), (82, 20414),

Gene: JetBlade_26 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for JetBlade_26:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (22, 18832), (25, 18904), (29, 18949), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (58, 19465), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: Jobu08_28 Start: 19084, Stop: 20454, Start Num: 10

Candidate Starts for Jobu08_28:

(Start: 10 @19084 has 243 MA's), (13, 19180), (15, 19204), (16, 19210), (23, 19435), (25, 19501), (30, 19558), (32, 19636), (38, 19768), (41, 19855), (53, 19996), (59, 20092), (62, 20134), (70, 20194), (73, 20266), (76, 20311), (80, 20377), (81, 20401), (82, 20407),

Gene: JoongJeon_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for JoongJeon_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: KADY_29 Start: 19096, Stop: 20466, Start Num: 10

Candidate Starts for KADY_29:

(Start: 10 @19096 has 243 MA's), (13, 19192), (15, 19216), (16, 19222), (23, 19447), (25, 19513), (30, 19570), (32, 19648), (38, 19780), (41, 19867), (53, 20008), (59, 20104), (62, 20146), (70, 20206), (73, 20278), (76, 20323), (80, 20389), (81, 20413), (82, 20419),

Gene: KFPoly_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for KFPoly_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Kalb97_29 Start: 19089, Stop: 20462, Start Num: 10

Candidate Starts for Kalb97_29:

(Start: 10 @19089 has 243 MA's), (13, 19185), (15, 19209), (16, 19215), (23, 19440), (25, 19506), (30, 19563), (32, 19641), (38, 19773), (41, 19860), (43, 19881), (53, 20001), (57, 20052), (59, 20097), (62, 20139), (65, 20148), (76, 20319), (80, 20385), (81, 20409), (82, 20415),

Gene: Kalnoky_29 Start: 19090, Stop: 20463, Start Num: 10

Candidate Starts for Kalnoky_29:

(Start: 10 @19090 has 243 MA's), (13, 19186), (15, 19210), (16, 19216), (23, 19441), (25, 19507), (30, 19564), (32, 19642), (38, 19774), (41, 19861), (43, 19882), (53, 20002), (57, 20053), (59, 20098), (62, 20140), (65, 20149), (76, 20320), (80, 20386), (81, 20410), (82, 20416),

Gene: Kamy_26 Start: 18488, Stop: 19828, Start Num: 10

Candidate Starts for Kamy_26:

(3, 18290), (4, 18347), (7, 18386), (8, 18419), (Start: 10 @18488 has 243 MA's), (11, 18500), (12, 18566), (13, 18584), (16, 18614), (22, 18833), (25, 18905), (29, 18950), (30, 18962), (36, 19106), (41, 19259), (51, 19361), (53, 19400), (57, 19445), (58, 19466), (59, 19490), (63, 19532), (75, 19673), (76, 19685), (81, 19775), (82, 19781), (83, 19820),

Gene: Katalie136_26 Start: 18489, Stop: 19829, Start Num: 9

Candidate Starts for Katalie136_26:

(Start: 9 @18489 has 21 MA's), (12, 18567), (13, 18585), (22, 18834), (24, 18858), (25, 18906), (29, 18951), (30, 18963), (33, 19053), (41, 19260), (51, 19362), (53, 19401), (54, 19413), (59, 19491), (66, 19542), (67, 19551), (75, 19674), (76, 19686), (81, 19776), (83, 19821),

Gene: Kimona_23 Start: 16478, Stop: 17866, Start Num: 10

Candidate Starts for Kimona_23:

(Start: 10 @16478 has 243 MA's), (12, 16556), (15, 16598), (16, 16604), (17, 16607), (20, 16724), (21, 16814), (22, 16820), (23, 16826), (25, 16892), (33, 17039), (38, 17180), (39, 17204), (41, 17267), (44, 17309), (55, 17438), (57, 17459), (59, 17504), (61, 17534), (63, 17549), (71, 17657), (72, 17660), (75, 17711), (76, 17723), (81, 17813), (82, 17819),

Gene: Kingmustik0402_26 Start: 18482, Stop: 19822, Start Num: 10

Candidate Starts for Kingmustik0402_26:

(3, 18284), (4, 18341), (7, 18380), (8, 18413), (Start: 10 @18482 has 243 MA's), (11, 18494), (12, 18560), (13, 18578), (16, 18608), (20, 18731), (22, 18827), (25, 18899), (29, 18944), (30, 18956), (36, 19100), (41, 19253), (51, 19355), (53, 19394), (57, 19439), (58, 19460), (59, 19484), (63, 19526), (75, 19667), (76, 19679), (81, 19769), (82, 19775), (83, 19814),

Gene: KittenMittens_25 Start: 16525, Stop: 17892, Start Num: 10

Candidate Starts for KittenMittens_25:

(Start: 10 @16525 has 243 MA's), (12, 16603), (13, 16621), (16, 16651), (17, 16654), (20, 16774), (25, 16942), (28, 16984), (36, 17143), (40, 17290), (41, 17296), (46, 17350), (51, 17404), (52, 17440), (56, 17482), (57, 17488), (59, 17533), (64, 17578), (71, 17683), (76, 17749), (77, 17758), (78, 17776), (81, 17839), (82, 17845),

Gene: Koreni_25 Start: 18136, Stop: 19476, Start Num: 10

Candidate Starts for Koreni_25:

(3, 17938), (4, 17995), (7, 18034), (8, 18067), (Start: 10 @18136 has 243 MA's), (11, 18148), (12, 18214), (13, 18232), (16, 18262), (22, 18481), (25, 18553), (29, 18598), (30, 18610), (36, 18754), (41, 18907), (51, 19009), (53, 19048), (57, 19093), (58, 19114), (59, 19138), (63, 19180), (75, 19321), (76, 19333), (81, 19423), (82, 19429), (83, 19468),

Gene: Kratark_26 Start: 18485, Stop: 19825, Start Num: 10

Candidate Starts for Kratark_26:

(3, 18287), (4, 18344), (7, 18383), (8, 18416), (Start: 10 @18485 has 243 MA's), (11, 18497), (12, 18563), (13, 18581), (16, 18611), (22, 18830), (25, 18902), (29, 18947), (30, 18959), (36, 19103), (41, 19256), (51, 19358), (53, 19397), (57, 19442), (58, 19463), (59, 19487), (63, 19529), (75, 19670), (76, 19682), (81, 19772), (82, 19778), (83, 19817),

Gene: Kremtemulon_25 Start: 18538, Stop: 19878, Start Num: 10

Candidate Starts for Kremtemulon_25:

(3, 18340), (4, 18397), (7, 18436), (8, 18469), (Start: 10 @18538 has 243 MA's), (11, 18550), (12, 18616), (13, 18634), (16, 18664), (22, 18883), (25, 18955), (29, 19000), (30, 19012), (36, 19156), (41, 19309), (51, 19411), (53, 19450), (57, 19495), (58, 19516), (59, 19540), (63, 19582), (75, 19723), (76, 19735), (81, 19825), (82, 19831), (83, 19870),

Gene: Kristoff_27 Start: 18625, Stop: 19989, Start Num: 10

Candidate Starts for Kristoff_27:

(7, 18523), (Start: 10 @18625 has 243 MA's), (12, 18703), (13, 18721), (16, 18751), (17, 18754), (19, 18832), (21, 18964), (25, 19042), (28, 19084), (40, 19390), (41, 19396), (45, 19441), (46, 19450), (51, 19501), (57, 19585), (59, 19630), (63, 19672), (66, 19681), (71, 19780), (76, 19846), (81, 19936), (82, 19942),

Gene: Kyee_26 Start: 18491, Stop: 19831, Start Num: 10

Candidate Starts for Kyee_26:

(3, 18293), (4, 18350), (7, 18389), (8, 18422), (Start: 10 @18491 has 243 MA's), (11, 18503), (12, 18569), (13, 18587), (16, 18617), (22, 18836), (25, 18908), (29, 18953), (30, 18965), (36, 19109), (41, 19262), (51, 19364), (53, 19403), (57, 19448), (58, 19469), (59, 19493), (63, 19535), (75, 19676), (76, 19688), (81, 19778), (82, 19784), (83, 19823),

Gene: LBerry_28 Start: 19012, Stop: 20382, Start Num: 10

Candidate Starts for LBerry_28:

(Start: 10 @19012 has 243 MA's), (13, 19108), (15, 19132), (16, 19138), (23, 19363), (25, 19429), (30, 19486), (32, 19564), (38, 19696), (41, 19783), (53, 19924), (59, 20020), (62, 20062), (70, 20122), (73, 20194), (76, 20239), (80, 20305), (81, 20329), (82, 20335),

Gene: LHTSCC_27 Start: 18801, Stop: 20141, Start Num: 10

Candidate Starts for LHTSCC_27:

(4, 18660), (6, 18690), (7, 18699), (8, 18732), (Start: 10 @18801 has 243 MA's), (12, 18879), (13, 18897), (16, 18927), (22, 19146), (25, 19218), (29, 19263), (30, 19275), (36, 19419), (40, 19566), (41, 19572), (51, 19674), (53, 19713), (59, 19803), (75, 19986), (76, 19998), (81, 20088), (82, 20094), (83, 20133),

Gene: Lambert1_27 Start: 19085, Stop: 20458, Start Num: 10

Candidate Starts for Lambert1_27:

(Start: 10 @19085 has 243 MA's), (12, 19163), (13, 19181), (15, 19205), (17, 19214), (19, 19292), (25, 19502), (26, 19505), (29, 19547), (30, 19559), (32, 19637), (41, 19856), (51, 19958), (57, 20048), (59, 20093), (62, 20135), (70, 20198), (71, 20249), (76, 20315), (78, 20342), (80, 20381), (81, 20405), (82, 20411),

Gene: LappelDuVide_25 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for LappelDuVide_25:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (20, 18736), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (58, 19465), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: LarryKay_28 Start: 19098, Stop: 20468, Start Num: 10

Candidate Starts for LarryKay_28:

(Start: 10 @19098 has 243 MA's), (13, 19194), (15, 19218), (16, 19224), (23, 19449), (25, 19515), (30, 19572), (32, 19650), (38, 19782), (41, 19869), (53, 20010), (59, 20106), (62, 20148), (70, 20208), (73, 20280), (76, 20325), (80, 20391), (81, 20415), (82, 20421),

Gene: Lemur_26 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for Lemur_26:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (58, 19465), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: LeoAvram_26 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for LeoAvram_26:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (42, 19267), (51, 19360), (53, 19399), (57, 19444), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: Lilith_28 Start: 19005, Stop: 20375, Start Num: 10

Candidate Starts for Lilith_28:

(Start: 10 @19005 has 243 MA's), (13, 19101), (15, 19125), (16, 19131), (23, 19356), (25, 19422), (30, 19479), (32, 19557), (38, 19689), (41, 19776), (53, 19917), (59, 20013), (62, 20055), (70, 20115), (73, 20187), (76, 20232), (80, 20298), (81, 20322), (82, 20328),

Gene: LittleB_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for LittleB_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: LittleGuy_26 Start: 18433, Stop: 19773, Start Num: 10

Candidate Starts for LittleGuy_26:

(3, 18235), (4, 18292), (7, 18331), (8, 18364), (Start: 10 @18433 has 243 MA's), (11, 18445), (12, 18511), (13, 18529), (16, 18559), (20, 18682), (22, 18778), (25, 18850), (29, 18895), (30, 18907), (36, 19051), (41, 19204), (51, 19306), (53, 19345), (57, 19390), (59, 19435), (63, 19477), (75, 19618), (76, 19630), (81, 19720), (82, 19726), (83, 19765),

Gene: LochMonster_26 Start: 18465, Stop: 19805, Start Num: 10

Candidate Starts for LochMonster_26:

(4, 18324), (6, 18354), (7, 18363), (8, 18396), (Start: 10 @18465 has 243 MA's), (11, 18477), (12, 18543), (13, 18561), (16, 18591), (22, 18810), (25, 18882), (29, 18927), (30, 18939), (36, 19083), (41, 19236), (51, 19338), (53, 19377), (57, 19422), (59, 19467), (63, 19509), (75, 19650), (76, 19662), (81, 19752), (82, 19758), (83, 19797),

Gene: Lorenzo_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Lorenzo_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Louie6_28 Start: 19099, Stop: 20469, Start Num: 10

Candidate Starts for Louie6_28:

(Start: 10 @19099 has 243 MA's), (13, 19195), (15, 19219), (16, 19225), (23, 19450), (25, 19516), (30, 19573), (32, 19651), (38, 19783), (41, 19870), (53, 20011), (59, 20107), (62, 20149), (70, 20209), (73, 20281), (76, 20326), (80, 20392), (81, 20416), (82, 20422),

Gene: LugYA_30 Start: 19012, Stop: 20382, Start Num: 10

Candidate Starts for LugYA_30:

(Start: 10 @19012 has 243 MA's), (13, 19108), (15, 19132), (16, 19138), (23, 19363), (25, 19429), (30, 19486), (32, 19564), (38, 19696), (41, 19783), (53, 19924), (59, 20020), (62, 20062), (70, 20122), (73, 20194), (76, 20239), (80, 20305), (81, 20329), (82, 20335),

Gene: Lunsford_27 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for Lunsford_27:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: MA5_26 Start: 18153, Stop: 19526, Start Num: 10

Candidate Starts for MA5_26:

(Start: 10 @18153 has 243 MA's), (12, 18231), (13, 18249), (16, 18279), (25, 18570), (26, 18573), (29, 18615), (30, 18627), (34, 18744), (41, 18924), (51, 19026), (57, 19116), (59, 19161), (62, 19203), (69, 19257), (70, 19266), (71, 19317), (73, 19338), (76, 19383), (78, 19410), (80, 19449), (81, 19473), (82, 19479),

Gene: MK4_26 Start: 18456, Stop: 19829, Start Num: 10

Candidate Starts for MK4_26:

(Start: 10 @18456 has 243 MA's), (12, 18534), (13, 18552), (16, 18582), (18, 18654), (25, 18873), (26, 18876), (29, 18918), (30, 18930), (41, 19227), (48, 19308), (51, 19329), (57, 19419), (59, 19464), (69, 19560), (71, 19620), (76, 19686), (78, 19713), (80, 19752), (81, 19776), (82, 19782),

Gene: MadMarie_28 Start: 19014, Stop: 20384, Start Num: 10

Candidate Starts for MadMarie_28:

(Start: 10 @19014 has 243 MA's), (13, 19110), (15, 19134), (16, 19140), (23, 19365), (25, 19431), (30, 19488), (32, 19566), (38, 19698), (41, 19785), (53, 19926), (59, 20022), (62, 20064), (70, 20124), (73, 20196), (76, 20241), (80, 20307), (81, 20331), (82, 20337),

Gene: Mainiac_28 Start: 19005, Stop: 20375, Start Num: 10

Candidate Starts for Mainiac_28:

(Start: 10 @19005 has 243 MA's), (13, 19101), (15, 19125), (16, 19131), (23, 19356), (25, 19422), (30, 19479), (32, 19557), (38, 19689), (41, 19776), (53, 19917), (59, 20013), (62, 20055), (70, 20115), (73, 20187), (76, 20232), (80, 20298), (81, 20322), (82, 20328),

Gene: Malinsilva_30 Start: 19004, Stop: 20374, Start Num: 10

Candidate Starts for Malinsilva_30:

(Start: 10 @19004 has 243 MA's), (13, 19100), (15, 19124), (16, 19130), (23, 19355), (25, 19421), (30, 19478), (32, 19556), (38, 19688), (41, 19775), (53, 19916), (59, 20012), (62, 20054), (70, 20114), (73, 20186), (76, 20231), (80, 20297), (81, 20321), (82, 20327),

Gene: Manu_29 Start: 19090, Stop: 20463, Start Num: 10

Candidate Starts for Manu_29:

(Start: 10 @19090 has 243 MA's), (13, 19186), (15, 19210), (16, 19216), (23, 19441), (25, 19507), (30, 19564), (32, 19642), (38, 19774), (41, 19861), (43, 19882), (53, 20002), (57, 20053), (59, 20098), (62, 20140), (65, 20149), (76, 20320), (80, 20386), (81, 20410), (82, 20416),

Gene: MarQuardt_28 Start: 19013, Stop: 20383, Start Num: 10

Candidate Starts for MarQuardt_28:

(Start: 10 @19013 has 243 MA's), (13, 19109), (15, 19133), (16, 19139), (23, 19364), (25, 19430), (30, 19487), (32, 19565), (38, 19697), (41, 19784), (53, 19925), (59, 20021), (62, 20063), (70, 20123), (73, 20195), (76, 20240), (80, 20306), (81, 20330), (82, 20336),

Gene: Margo_27 Start: 19111, Stop: 20484, Start Num: 10

Candidate Starts for Margo_27:

(Start: 10 @19111 has 243 MA's), (12, 19189), (13, 19207), (15, 19231), (17, 19240), (19, 19318), (25, 19528), (26, 19531), (29, 19573), (30, 19585), (32, 19663), (41, 19882), (51, 19984), (57, 20074), (59, 20119), (62, 20161), (70, 20224), (71, 20275), (76, 20341), (78, 20368), (80, 20407), (81, 20431), (82, 20437),

Gene: Marie_28 Start: 19011, Stop: 20381, Start Num: 10

Candidate Starts for Marie_28:

(Start: 10 @19011 has 243 MA's), (13, 19107), (15, 19131), (16, 19137), (23, 19362), (25, 19428), (30, 19485), (32, 19563), (38, 19695), (41, 19782), (53, 19923), (59, 20019), (62, 20061), (70, 20121), (73, 20193), (76, 20238), (80, 20304), (81, 20328), (82, 20334),

Gene: Marius_29 Start: 19090, Stop: 20463, Start Num: 10

Candidate Starts for Marius_29:

(Start: 10 @19090 has 243 MA's), (13, 19186), (15, 19210), (16, 19216), (23, 19441), (25, 19507), (30, 19564), (32, 19642), (38, 19774), (41, 19861), (43, 19882), (53, 20002), (57, 20053), (59, 20098), (62, 20140), (65, 20149), (76, 20320), (80, 20386), (81, 20410), (82, 20416),

Gene: Maverick_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Maverick_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (39, 19198), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Maxo_26 Start: 18488, Stop: 19828, Start Num: 10

Candidate Starts for Maxo_26:

(3, 18290), (4, 18347), (7, 18386), (8, 18419), (Start: 10 @18488 has 243 MA's), (11, 18500), (12, 18566), (13, 18584), (16, 18614), (22, 18833), (25, 18905), (29, 18950), (30, 18962), (36, 19106), (41, 19259), (51, 19361), (53, 19400), (57, 19445), (58, 19466), (59, 19490), (63, 19532), (75, 19673), (76, 19685), (81, 19775), (82, 19781), (83, 19820),

Gene: Mazhar510_26 Start: 18491, Stop: 19831, Start Num: 10

Candidate Starts for Mazhar510_26:

(3, 18293), (4, 18350), (7, 18389), (8, 18422), (Start: 10 @18491 has 243 MA's), (11, 18503), (12, 18569), (13, 18587), (16, 18617), (20, 18740), (22, 18836), (25, 18908), (29, 18953), (30, 18965), (36, 19109), (41, 19262), (51, 19364), (53, 19403), (57, 19448), (58, 19469), (59, 19493), (63, 19535), (75, 19676), (76, 19688), (81, 19778), (82, 19784), (83, 19823),

Gene: Medusa_26 Start: 18491, Stop: 19831, Start Num: 10

Candidate Starts for Medusa_26:

(3, 18293), (4, 18350), (7, 18389), (8, 18422), (Start: 10 @18491 has 243 MA's), (11, 18503), (12, 18569), (13, 18587), (16, 18617), (22, 18836), (25, 18908), (29, 18953), (30, 18965), (36, 19109), (41, 19262), (51, 19364), (53, 19403), (57, 19448), (58, 19469), (59, 19493), (63, 19535), (75, 19676), (76, 19688), (81, 19778), (82, 19784), (83, 19823),

Gene: MeeZee_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for MeeZee_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Melvin_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Melvin_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Methuselah_27 Start: 19095, Stop: 20465, Start Num: 10

Candidate Starts for Methuselah_27:

(Start: 10 @19095 has 243 MA's), (13, 19191), (15, 19215), (16, 19221), (23, 19446), (25, 19512), (30, 19569), (32, 19647), (38, 19779), (41, 19866), (53, 20007), (59, 20103), (62, 20145), (70, 20205), (73, 20277), (76, 20322), (80, 20388), (81, 20412), (82, 20418),

Gene: Microwolf_28 Start: 19013, Stop: 20383, Start Num: 10

Candidate Starts for Microwolf_28:

(Start: 10 @19013 has 243 MA's), (13, 19109), (15, 19133), (16, 19139), (23, 19364), (25, 19430), (30, 19487), (32, 19565), (38, 19697), (41, 19784), (53, 19925), (59, 20021), (62, 20063), (70, 20123), (73, 20195), (76, 20240), (80, 20306), (81, 20330), (82, 20336),

Gene: Millski_25 Start: 18493, Stop: 19833, Start Num: 10

Candidate Starts for Millski_25:

(3, 18295), (4, 18352), (7, 18391), (8, 18424), (Start: 10 @18493 has 243 MA's), (11, 18505), (12, 18571), (13, 18589), (16, 18619), (20, 18742), (22, 18838), (25, 18910), (29, 18955), (30, 18967), (36, 19111), (41, 19264), (51, 19366), (53, 19405), (57, 19450), (58, 19471), (59, 19495), (63, 19537), (75, 19678), (76, 19690), (81, 19780), (82, 19786), (83, 19825),

Gene: Miramae_26 Start: 18432, Stop: 19772, Start Num: 9

Candidate Starts for Miramae_26:

(Start: 9 @18432 has 21 MA's), (12, 18510), (13, 18528), (16, 18558), (22, 18777), (25, 18849), (29, 18894), (30, 18906), (36, 19050), (38, 19116), (41, 19203), (51, 19305), (53, 19344), (59, 19434), (66, 19485), (67, 19494), (75, 19617), (76, 19629), (81, 19719), (83, 19764),

Gene: Misomonster_30 Start: 19095, Stop: 20465, Start Num: 10

Candidate Starts for Misomonster_30:

(Start: 10 @19095 has 243 MA's), (13, 19191), (15, 19215), (16, 19221), (23, 19446), (25, 19512), (30, 19569), (32, 19647), (38, 19779), (41, 19866), (53, 20007), (59, 20103), (62, 20145), (70, 20205), (73, 20277), (76, 20322), (80, 20388), (81, 20412), (82, 20418),

Gene: MoneyMay_28 Start: 19011, Stop: 20381, Start Num: 10

Candidate Starts for MoneyMay_28:

(Start: 10 @19011 has 243 MA's), (13, 19107), (15, 19131), (16, 19137), (23, 19362), (25, 19428), (30, 19485), (32, 19563), (38, 19695), (41, 19782), (53, 19923), (59, 20019), (62, 20061), (70, 20121), (73, 20193), (76, 20238), (80, 20304), (81, 20328), (82, 20334),

Gene: Morpher26_26 Start: 18489, Stop: 19829, Start Num: 9

Candidate Starts for Morpher26_26:

(Start: 9 @18489 has 21 MA's), (12, 18567), (13, 18585), (22, 18834), (24, 18858), (25, 18906), (29, 18951), (30, 18963), (33, 19053), (41, 19260), (51, 19362), (53, 19401), (54, 19413), (59, 19491), (66, 19542), (67, 19551), (75, 19674), (76, 19686), (81, 19776), (83, 19821),

Gene: Morrow_26 Start: 18493, Stop: 19833, Start Num: 10

Candidate Starts for Morrow_26:

(3, 18295), (4, 18352), (7, 18391), (8, 18424), (Start: 10 @18493 has 243 MA's), (11, 18505), (12, 18571), (13, 18589), (16, 18619), (20, 18742), (22, 18838), (25, 18910), (29, 18955), (30, 18967), (36, 19111), (41, 19264), (51, 19366), (53, 19405), (57, 19450), (58, 19471), (59, 19495), (63, 19537), (75, 19678), (76, 19690), (81, 19780), (82, 19786), (83, 19825),

Gene: MuchMore_30 Start: 19004, Stop: 20374, Start Num: 10

Candidate Starts for MuchMore_30:

(Start: 10 @19004 has 243 MA's), (13, 19100), (15, 19124), (16, 19130), (23, 19355), (25, 19421), (30, 19478), (32, 19556), (38, 19688), (41, 19775), (53, 19916), (59, 20012), (62, 20054), (70, 20114), (73, 20186), (76, 20231), (80, 20297), (81, 20321), (82, 20327),

Gene: Mundrea_26 Start: 18454, Stop: 19794, Start Num: 9

Candidate Starts for Mundrea_26:

(Start: 9 @18454 has 21 MA's), (12, 18532), (13, 18550), (16, 18580), (20, 18703), (22, 18799), (24, 18823), (25, 18871), (29, 18916), (30, 18928), (37, 19129), (41, 19225), (51, 19327), (53, 19366), (59, 19456), (66, 19507), (67, 19516), (75, 19639), (76, 19651), (81, 19741), (83, 19786),

Gene: MyraDee_24 Start: 16712, Stop: 18055, Start Num: 10

Candidate Starts for MyraDee_24:

(Start: 10 @16712 has 243 MA's), (16, 16829), (20, 16946), (23, 17048), (25, 17114), (30, 17171), (41, 17468), (49, 17567), (50, 17570), (57, 17663), (60, 17714), (73, 17867), (76, 17912), (81, 18002),

Gene: Nebs_26 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for Nebs_26:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (20, 18736), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: Nemo27_26 Start: 18489, Stop: 19829, Start Num: 10

Candidate Starts for Nemo27_26:

(3, 18291), (4, 18348), (7, 18387), (8, 18420), (Start: 10 @18489 has 243 MA's), (11, 18501), (12, 18567), (13, 18585), (16, 18615), (20, 18738), (22, 18834), (25, 18906), (29, 18951), (30, 18963), (36, 19107), (41, 19260), (51, 19362), (53, 19401), (57, 19446), (58, 19467), (59, 19491), (63, 19533), (75, 19674), (76, 19686), (81, 19776), (82, 19782), (83, 19821),

Gene: Noella_27 Start: 19086, Stop: 20459, Start Num: 10

Candidate Starts for Noella_27:

(Start: 10 @19086 has 243 MA's), (12, 19164), (13, 19182), (15, 19206), (17, 19215), (19, 19293), (25, 19503), (26, 19506), (29, 19548), (30, 19560), (32, 19638), (41, 19857), (51, 19959), (57, 20049), (59, 20094), (62, 20136), (70, 20199), (71, 20250), (76, 20316), (78, 20343), (80, 20382), (81, 20406), (82, 20412),

Gene: Noelle_26 Start: 18542, Stop: 19885, Start Num: 9

Candidate Starts for Noelle_26:

(Start: 9 @18542 has 21 MA's), (12, 18620), (13, 18638), (16, 18668), (20, 18791), (22, 18887), (24, 18911), (25, 18959), (29, 19004), (30, 19016), (41, 19313), (51, 19418), (53, 19457), (59, 19547), (66, 19598), (67, 19607), (75, 19730), (76, 19742), (81, 19832), (83, 19877),

Gene: Norbert_26 Start: 19085, Stop: 20458, Start Num: 10

Candidate Starts for Norbert_26:

(Start: 10 @19085 has 243 MA's), (12, 19163), (13, 19181), (15, 19205), (17, 19214), (19, 19292), (25, 19502), (26, 19505), (29, 19547), (30, 19559), (32, 19637), (41, 19856), (51, 19958), (57, 20048), (59, 20093), (62, 20135), (70, 20198), (71, 20249), (76, 20315), (78, 20342), (80, 20381), (81, 20405), (82, 20411),

Gene: NorthStar_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for NorthStar_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (14, 18595), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: NotAPhaseMom_26 Start: 18494, Stop: 19834, Start Num: 10

Candidate Starts for NotAPhaseMom_26:

(3, 18296), (4, 18353), (7, 18392), (8, 18425), (Start: 10 @18494 has 243 MA's), (11, 18506), (12, 18572), (13, 18590), (16, 18620), (20, 18743), (22, 18839), (25, 18911), (29, 18956), (30, 18968), (36, 19112), (41, 19265), (51, 19367), (53, 19406), (57, 19451), (58, 19472), (59, 19496), (63, 19538), (75, 19679), (76, 19691), (81, 19781), (82, 19787), (83, 19826),

Gene: Nyxis_26 Start: 18433, Stop: 19773, Start Num: 10

Candidate Starts for Nyxis_26:

(3, 18235), (4, 18292), (7, 18331), (8, 18364), (Start: 10 @18433 has 243 MA's), (11, 18445), (12, 18511), (13, 18529), (16, 18559), (22, 18778), (25, 18850), (29, 18895), (30, 18907), (36, 19051), (41, 19204), (51, 19306), (53, 19345), (57, 19390), (58, 19411), (59, 19435), (63, 19477), (75, 19618), (76, 19630), (81, 19720), (82, 19726), (83, 19765),

Gene: OKCentral2016_26 Start: 18128, Stop: 19495, Start Num: 10

Candidate Starts for OKCentral2016_26:

(1, 17879), (4, 17987), (Start: 10 @18128 has 243 MA's), (12, 18206), (13, 18224), (16, 18254), (17, 18257), (19, 18335), (25, 18545), (28, 18587), (31, 18665), (35, 18737), (36, 18746), (41, 18899), (46, 18953), (51, 19007), (52, 19043), (57, 19091), (59, 19136), (64, 19181), (71, 19286), (76, 19352), (77, 19361), (81, 19442), (82, 19448),

Gene: OKaNui_27 Start: 18543, Stop: 19883, Start Num: 10

Candidate Starts for OKaNui_27:

(3, 18345), (4, 18402), (7, 18441), (8, 18474), (Start: 10 @18543 has 243 MA's), (11, 18555), (12, 18621), (13, 18639), (16, 18669), (22, 18888), (25, 18960), (29, 19005), (30, 19017), (36, 19161), (41,

19314), (51, 19416), (53, 19455), (57, 19500), (58, 19521), (59, 19545), (63, 19587), (75, 19728), (76, 19740), (81, 19830), (82, 19836), (83, 19875),

Gene: Obama12_27 Start: 18803, Stop: 20143, Start Num: 10

Candidate Starts for Obama12_27:

(4, 18662), (6, 18692), (7, 18701), (8, 18734), (Start: 10 @18803 has 243 MA's), (12, 18881), (13, 18899), (16, 18929), (22, 19148), (25, 19220), (29, 19265), (30, 19277), (36, 19421), (40, 19568), (41, 19574), (51, 19676), (53, 19715), (59, 19805), (75, 19988), (76, 20000), (81, 20090), (82, 20096), (83, 20135),

Gene: Ohfah_26 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for Ohfah_26:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (58, 19465), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: OlanP_28 Start: 19270, Stop: 20643, Start Num: 10

Candidate Starts for OlanP_28:

(Start: 10 @19270 has 243 MA's), (13, 19366), (15, 19390), (16, 19396), (23, 19621), (25, 19687), (30, 19744), (32, 19822), (38, 19954), (41, 20041), (43, 20062), (53, 20182), (57, 20233), (59, 20278), (62, 20320), (65, 20329), (76, 20500), (80, 20566), (81, 20590), (82, 20596),

Gene: Ollie_28 Start: 18882, Stop: 20252, Start Num: 10

Candidate Starts for Ollie_28:

(Start: 10 @18882 has 243 MA's), (13, 18978), (15, 19002), (16, 19008), (23, 19233), (25, 19299), (30, 19356), (32, 19434), (38, 19566), (41, 19653), (53, 19794), (59, 19890), (70, 19992), (73, 20064), (76, 20109), (80, 20175), (81, 20199), (82, 20205),

Gene: P28Green_28 Start: 19013, Stop: 20383, Start Num: 10

Candidate Starts for P28Green_28:

(Start: 10 @19013 has 243 MA's), (13, 19109), (15, 19133), (16, 19139), (23, 19364), (25, 19430), (30, 19487), (41, 19784), (59, 20021), (62, 20063), (70, 20123), (73, 20195), (76, 20240), (80, 20306), (81, 20330), (82, 20336),

Gene: PGHhamlin_30 Start: 19004, Stop: 20374, Start Num: 10

Candidate Starts for PGHhamlin_30:

(Start: 10 @19004 has 243 MA's), (13, 19100), (15, 19124), (16, 19130), (23, 19355), (25, 19421), (30, 19478), (32, 19556), (38, 19688), (41, 19775), (53, 19916), (59, 20012), (62, 20054), (70, 20114), (73, 20186), (76, 20231), (80, 20297), (81, 20321), (82, 20327),

Gene: Palestino_25 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Palestino_25:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Panamaxus_26 Start: 19085, Stop: 20458, Start Num: 10

Candidate Starts for Panamaxus_26:

(Start: 10 @19085 has 243 MA's), (12, 19163), (13, 19181), (15, 19205), (17, 19214), (19, 19292), (25, 19502), (26, 19505), (29, 19547), (30, 19559), (32, 19637), (41, 19856), (51, 19958), (57, 20048), (59, 20093), (62, 20135), (70, 20198), (71, 20249), (76, 20315), (78, 20342), (80, 20381), (81, 20405), (82,

20411),

Gene: Pawn_29 Start: 19090, Stop: 20463, Start Num: 10

Candidate Starts for Pawn_29:

(Start: 10 @19090 has 243 MA's), (13, 19186), (15, 19210), (16, 19216), (23, 19441), (25, 19507), (30, 19564), (32, 19642), (38, 19774), (41, 19861), (43, 19882), (53, 20002), (57, 20053), (59, 20098), (62, 20140), (65, 20149), (76, 20320), (80, 20386), (81, 20410), (82, 20416),

Gene: PeaceMeal1_25 Start: 16526, Stop: 17893, Start Num: 10

Candidate Starts for PeaceMeal1_25:

(Start: 10 @16526 has 243 MA's), (12, 16604), (13, 16622), (16, 16652), (17, 16655), (25, 16943), (28, 16985), (36, 17144), (38, 17210), (40, 17291), (41, 17297), (46, 17351), (51, 17405), (52, 17441), (56, 17483), (57, 17489), (59, 17534), (64, 17579), (71, 17684), (76, 17750), (77, 17759), (78, 17777), (81, 17840), (82, 17846),

Gene: Peaches_26 Start: 18489, Stop: 19829, Start Num: 10

Candidate Starts for Peaches_26:

(3, 18291), (4, 18348), (7, 18387), (8, 18420), (Start: 10 @18489 has 243 MA's), (11, 18501), (12, 18567), (13, 18585), (16, 18615), (22, 18834), (25, 18906), (29, 18951), (30, 18963), (36, 19107), (41, 19260), (51, 19362), (53, 19401), (57, 19446), (58, 19467), (59, 19491), (63, 19533), (75, 19674), (76, 19686), (81, 19776), (82, 19782), (83, 19821),

Gene: Pembroke_28 Start: 19013, Stop: 20383, Start Num: 10

Candidate Starts for Pembroke_28:

(Start: 10 @19013 has 243 MA's), (13, 19109), (15, 19133), (16, 19139), (23, 19364), (25, 19430), (30, 19487), (32, 19565), (38, 19697), (41, 19784), (53, 19925), (59, 20021), (62, 20063), (70, 20123), (73, 20195), (76, 20240), (80, 20306), (81, 20330), (82, 20336),

Gene: Penny1_28 Start: 19012, Stop: 20382, Start Num: 10

Candidate Starts for Penny1_28:

(Start: 10 @19012 has 243 MA's), (13, 19108), (15, 19132), (16, 19138), (23, 19363), (25, 19429), (30, 19486), (32, 19564), (38, 19696), (41, 19783), (53, 19924), (59, 20020), (62, 20062), (70, 20122), (73, 20194), (76, 20239), (80, 20305), (81, 20329), (82, 20335),

Gene: Perplexer_26 Start: 18483, Stop: 19826, Start Num: 9

Candidate Starts for Perplexer_26:

(Start: 9 @18483 has 21 MA's), (12, 18561), (13, 18579), (16, 18609), (22, 18828), (24, 18852), (25, 18900), (29, 18945), (30, 18957), (33, 19047), (34, 19074), (41, 19254), (51, 19359), (53, 19398), (59, 19488), (66, 19539), (67, 19548), (75, 19671), (76, 19683), (81, 19773), (83, 19818),

Gene: PeterPeter_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for PeterPeter_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: PetiteSangsue_26 Start: 18489, Stop: 19829, Start Num: 9

Candidate Starts for PetiteSangsue_26:

(Start: 9 @18489 has 21 MA's), (12, 18567), (13, 18585), (22, 18834), (24, 18858), (25, 18906), (29, 18951), (33, 19053), (41, 19260), (51, 19362), (53, 19401), (58, 19467), (59, 19491), (66, 19542), (67, 19551), (75, 19674), (76, 19686), (81, 19776), (83, 19821),

Gene: Phacado_26 Start: 18489, Stop: 19829, Start Num: 10

Candidate Starts for Phacado_26:

(3, 18291), (4, 18348), (7, 18387), (8, 18420), (Start: 10 @18489 has 243 MA's), (11, 18501), (12, 18567), (13, 18585), (16, 18615), (20, 18738), (22, 18834), (25, 18906), (29, 18951), (30, 18963), (36, 19107), (41, 19260), (51, 19362), (53, 19401), (57, 19446), (58, 19467), (59, 19491), (63, 19533), (75, 19674), (76, 19686), (81, 19776), (82, 19782), (83, 19821),

Gene: Phantastic_26 Start: 18502, Stop: 19875, Start Num: 10

Candidate Starts for Phantastic_26:

(Start: 10 @18502 has 243 MA's), (12, 18580), (13, 18598), (16, 18628), (25, 18919), (26, 18922), (27, 18928), (29, 18964), (30, 18976), (38, 19186), (41, 19273), (48, 19354), (51, 19375), (53, 19414), (57, 19465), (59, 19510), (62, 19552), (68, 19579), (71, 19666), (76, 19732), (78, 19759), (80, 19798), (81, 19822), (82, 19828),

Gene: Phelipe_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Phelipe_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Phighter1804_26 Start: 18468, Stop: 19808, Start Num: 10

Candidate Starts for Phighter1804_26:

(4, 18327), (6, 18357), (7, 18366), (8, 18399), (Start: 10 @18468 has 243 MA's), (11, 18480), (12, 18546), (13, 18564), (16, 18594), (22, 18813), (25, 18885), (29, 18930), (30, 18942), (36, 19086), (41, 19239), (51, 19341), (53, 19380), (57, 19425), (59, 19470), (63, 19512), (75, 19653), (76, 19665), (81, 19755), (82, 19761), (83, 19800),

Gene: PhishRPhriends_27 Start: 18274, Stop: 19647, Start Num: 10

Candidate Starts for PhishRPhriends_27:

(Start: 10 @18274 has 243 MA's), (13, 18370), (15, 18394), (16, 18400), (23, 18625), (25, 18691), (30, 18748), (32, 18826), (38, 18958), (41, 19045), (43, 19066), (53, 19186), (57, 19237), (59, 19282), (62, 19324), (65, 19333), (76, 19504), (80, 19570), (81, 19594), (82, 19600),

Gene: Phoebe_28 Start: 19010, Stop: 20380, Start Num: 10

Candidate Starts for Phoebe_28:

(Start: 10 @19010 has 243 MA's), (13, 19106), (15, 19130), (16, 19136), (23, 19361), (25, 19427), (30, 19484), (32, 19562), (38, 19694), (41, 19781), (53, 19922), (59, 20018), (62, 20060), (70, 20120), (73, 20192), (76, 20237), (80, 20303), (81, 20327), (82, 20333),

Gene: Phontbonne_26 Start: 18434, Stop: 19774, Start Num: 10

Candidate Starts for Phontbonne_26:

(3, 18236), (4, 18293), (7, 18332), (8, 18365), (Start: 10 @18434 has 243 MA's), (11, 18446), (12, 18512), (13, 18530), (16, 18560), (20, 18683), (22, 18779), (25, 18851), (29, 18896), (30, 18908), (36, 19052), (41, 19205), (51, 19307), (53, 19346), (57, 19391), (59, 19436), (63, 19478), (75, 19619), (76, 19631), (81, 19721), (82, 19727), (83, 19766),

Gene: Phoxy_28 Start: 19096, Stop: 20466, Start Num: 10

Candidate Starts for Phoxy_28:

(Start: 10 @19096 has 243 MA's), (13, 19192), (15, 19216), (16, 19222), (23, 19447), (25, 19513), (30, 19570), (32, 19648), (38, 19780), (41, 19867), (53, 20008), (59, 20104), (62, 20146), (70, 20206), (73, 20278), (76, 20323), (80, 20389), (81, 20413), (82, 20419),

Gene: Phranny_29 Start: 19082, Stop: 20455, Start Num: 10

Candidate Starts for Phranny_29:

(Start: 10 @19082 has 243 MA's), (13, 19178), (15, 19202), (16, 19208), (23, 19433), (25, 19499), (30, 19556), (32, 19634), (38, 19766), (41, 19853), (43, 19874), (53, 19994), (57, 20045), (59, 20090), (62, 20132), (65, 20141), (76, 20312), (80, 20378), (81, 20402), (82, 20408),

Gene: Pipcraft_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Pipcraft_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Pistachio_27 Start: 18081, Stop: 19454, Start Num: 10

Candidate Starts for Pistachio_27:

(Start: 10 @18081 has 243 MA's), (12, 18159), (13, 18177), (16, 18207), (18, 18279), (25, 18498), (26, 18501), (29, 18543), (30, 18555), (38, 18765), (41, 18852), (51, 18954), (53, 18993), (57, 19044), (59, 19089), (62, 19131), (68, 19158), (70, 19194), (71, 19245), (76, 19311), (78, 19338), (80, 19377), (81, 19401), (82, 19407),

Gene: Pocahontas_27 Start: 19082, Stop: 20455, Start Num: 10

Candidate Starts for Pocahontas_27:

(Start: 10 @19082 has 243 MA's), (12, 19160), (13, 19178), (15, 19202), (17, 19211), (19, 19289), (25, 19499), (26, 19502), (29, 19544), (30, 19556), (32, 19634), (41, 19853), (51, 19955), (57, 20045), (59, 20090), (62, 20132), (70, 20195), (71, 20246), (76, 20312), (78, 20339), (80, 20378), (81, 20402), (82, 20408),

Gene: Polymorphads_26 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for Polymorphads_26:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (20, 18736), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (58, 19465), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: Poompha_25 Start: 16524, Stop: 17891, Start Num: 10

Candidate Starts for Poompha_25:

(Start: 10 @16524 has 243 MA's), (12, 16602), (13, 16620), (16, 16650), (17, 16653), (20, 16773), (25, 16941), (28, 16983), (40, 17289), (41, 17295), (46, 17349), (51, 17403), (52, 17439), (56, 17481), (57, 17487), (59, 17532), (64, 17577), (71, 17682), (76, 17748), (77, 17757), (78, 17775), (81, 17838), (82, 17844),

Gene: Popcicle_27 Start: 19082, Stop: 20455, Start Num: 10

Candidate Starts for Popcicle_27:

(Start: 10 @19082 has 243 MA's), (12, 19160), (13, 19178), (15, 19202), (17, 19211), (19, 19289), (25, 19499), (26, 19502), (29, 19544), (30, 19556), (32, 19634), (41, 19853), (51, 19955), (57, 20045), (59, 20090), (62, 20132), (70, 20195), (71, 20246), (76, 20312), (78, 20339), (80, 20378), (81, 20402), (82, 20408),

Gene: PotatoSplit_29 Start: 19012, Stop: 20382, Start Num: 10

Candidate Starts for PotatoSplit_29:

(Start: 10 @19012 has 243 MA's), (13, 19108), (15, 19132), (16, 19138), (23, 19363), (25, 19429), (30, 19486), (32, 19564), (38, 19696), (41, 19783), (53, 19924), (59, 20020), (62, 20062), (70, 20122), (73, 20194), (76, 20239), (80, 20305), (81, 20329), (82, 20335),

Gene: Pumbaa_26 Start: 18465, Stop: 19805, Start Num: 10

Candidate Starts for Pumbaa_26:

(3, 18267), (4, 18324), (7, 18363), (8, 18396), (Start: 10 @18465 has 243 MA's), (11, 18477), (12, 18543), (13, 18561), (16, 18591), (20, 18714), (22, 18810), (25, 18882), (29, 18927), (30, 18939), (36, 19083), (41, 19236), (51, 19338), (53, 19377), (57, 19422), (58, 19443), (59, 19467), (63, 19509), (75, 19650), (76, 19662), (81, 19752), (82, 19758), (83, 19797),

Gene: Puppy_27 Start: 18153, Stop: 19526, Start Num: 10

Candidate Starts for Puppy_27:

(Start: 10 @18153 has 243 MA's), (12, 18231), (13, 18249), (16, 18279), (18, 18351), (25, 18570), (26, 18573), (29, 18615), (30, 18627), (38, 18837), (41, 18924), (51, 19026), (53, 19065), (57, 19116), (59, 19161), (62, 19203), (68, 19230), (70, 19266), (71, 19317), (76, 19383), (78, 19410), (80, 19449), (81, 19473), (82, 19479),

Gene: PurpleHaze_28 Start: 19089, Stop: 20462, Start Num: 10

Candidate Starts for PurpleHaze_28:

(Start: 10 @19089 has 243 MA's), (13, 19185), (15, 19209), (16, 19215), (23, 19440), (25, 19506), (30, 19563), (32, 19641), (38, 19773), (41, 19860), (43, 19881), (53, 20001), (57, 20052), (59, 20097), (62, 20139), (65, 20148), (76, 20319), (80, 20385), (81, 20409), (82, 20415),

Gene: QuinnKiro_26 Start: 19085, Stop: 20458, Start Num: 10

Candidate Starts for QuinnKiro_26:

(Start: 10 @19085 has 243 MA's), (12, 19163), (13, 19181), (15, 19205), (17, 19214), (19, 19292), (25, 19502), (26, 19505), (29, 19547), (30, 19559), (32, 19637), (41, 19856), (51, 19958), (57, 20048), (59, 20093), (62, 20135), (70, 20198), (71, 20249), (76, 20315), (78, 20342), (80, 20381), (81, 20405), (82, 20411),

Gene: Reba_29 Start: 18755, Stop: 20128, Start Num: 10

Candidate Starts for Reba_29:

(Start: 10 @18755 has 243 MA's), (13, 18851), (15, 18875), (16, 18881), (23, 19106), (25, 19172), (30, 19229), (32, 19307), (38, 19439), (41, 19526), (43, 19547), (53, 19667), (57, 19718), (59, 19763), (62, 19805), (65, 19814), (76, 19985), (80, 20051), (81, 20075), (82, 20081),

Gene: Rebeuca_27 Start: 18626, Stop: 19990, Start Num: 10

Candidate Starts for Rebeuca_27:

(7, 18524), (Start: 10 @18626 has 243 MA's), (12, 18704), (13, 18722), (16, 18752), (17, 18755), (19, 18833), (21, 18965), (25, 19043), (28, 19085), (40, 19391), (41, 19397), (45, 19442), (46, 19451), (51, 19502), (57, 19586), (59, 19631), (63, 19673), (66, 19682), (71, 19781), (76, 19847), (81, 19937), (82, 19943),

Gene: Relief_26 Start: 18488, Stop: 19828, Start Num: 10

Candidate Starts for Relief_26:

(3, 18290), (4, 18347), (7, 18386), (8, 18419), (Start: 10 @18488 has 243 MA's), (11, 18500), (12, 18566), (13, 18584), (16, 18614), (22, 18833), (25, 18905), (29, 18950), (30, 18962), (36, 19106), (41, 19259), (51, 19361), (53, 19400), (57, 19445), (58, 19466), (59, 19490), (63, 19532), (75, 19673), (76, 19685), (81, 19775), (82, 19781), (83, 19820),

Gene: ResDef_27 Start: 19085, Stop: 20458, Start Num: 10

Candidate Starts for ResDef_27:

(Start: 10 @19085 has 243 MA's), (12, 19163), (13, 19181), (15, 19205), (17, 19214), (19, 19292), (25, 19502), (26, 19505), (29, 19547), (30, 19559), (32, 19637), (41, 19856), (51, 19958), (57, 20048), (59, 20093), (62, 20135), (70, 20198), (71, 20249), (76, 20315), (78, 20342), (80, 20381), (81, 20405), (82,

20411),

Gene: RhynO_27 Start: 18586, Stop: 19947, Start Num: 10

Candidate Starts for RhynO_27:

(7, 18484), (Start: 10 @18586 has 243 MA's), (12, 18664), (13, 18682), (16, 18712), (17, 18715), (19, 18793), (21, 18925), (25, 19003), (28, 19045), (31, 19123), (40, 19351), (41, 19357), (45, 19402), (46, 19411), (47, 19432), (51, 19459), (53, 19498), (57, 19543), (59, 19588), (61, 19615), (71, 19738), (76, 19804), (81, 19894), (82, 19900),

Gene: Rockstar_26 Start: 18464, Stop: 19837, Start Num: 10

Candidate Starts for Rockstar_26:

(Start: 10 @18464 has 243 MA's), (12, 18542), (13, 18560), (16, 18590), (18, 18662), (25, 18881), (26, 18884), (29, 18926), (30, 18938), (41, 19235), (48, 19316), (51, 19337), (57, 19427), (59, 19472), (69, 19568), (71, 19628), (76, 19694), (78, 19721), (80, 19760), (81, 19784), (82, 19790),

Gene: Romney_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Romney_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Roosevelt_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Roosevelt_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Ruin_26 Start: 18486, Stop: 19826, Start Num: 10

Candidate Starts for Ruin_26:

(3, 18288), (4, 18345), (7, 18384), (8, 18417), (Start: 10 @18486 has 243 MA's), (11, 18498), (12, 18564), (13, 18582), (16, 18612), (22, 18831), (25, 18903), (29, 18948), (30, 18960), (36, 19104), (41, 19257), (51, 19359), (53, 19398), (57, 19443), (58, 19464), (59, 19488), (63, 19530), (75, 19671), (76, 19683), (81, 19773), (82, 19779), (83, 19818),

Gene: Rummer_28 Start: 19096, Stop: 20466, Start Num: 10

Candidate Starts for Rummer_28:

(Start: 10 @19096 has 243 MA's), (13, 19192), (15, 19216), (16, 19222), (23, 19447), (25, 19513), (30, 19570), (32, 19648), (38, 19780), (41, 19867), (53, 20008), (59, 20104), (62, 20146), (70, 20206), (73, 20278), (76, 20323), (80, 20389), (81, 20413), (82, 20419),

Gene: Sabertooth_26 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for Sabertooth_26:

(3, 18289), (4, 18346), (5, 18364), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (20, 18736), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (58, 19465), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: Sabia_28 Start: 19005, Stop: 20375, Start Num: 10

Candidate Starts for Sabia_28:

(Start: 10 @19005 has 243 MA's), (13, 19101), (15, 19125), (16, 19131), (23, 19356), (25, 19422), (30, 19479), (32, 19557), (38, 19689), (41, 19776), (53, 19917), (59, 20013), (62, 20055), (70, 20115), (73,

20187), (76, 20232), (80, 20298), (81, 20322), (82, 20328),

Gene: Sabinator_28 Start: 19010, Stop: 20380, Start Num: 10

Candidate Starts for Sabinator_28:

(Start: 10 @19010 has 243 MA's), (13, 19106), (15, 19130), (16, 19136), (23, 19361), (25, 19427), (30, 19484), (32, 19562), (38, 19694), (41, 19781), (53, 19922), (59, 20018), (62, 20060), (70, 20120), (73, 20192), (76, 20237), (80, 20303), (81, 20327), (82, 20333),

Gene: SaturnRing_26 Start: 18534, Stop: 19907, Start Num: 10

Candidate Starts for SaturnRing_26:

(Start: 10 @18534 has 243 MA's), (12, 18612), (13, 18630), (16, 18660), (18, 18732), (25, 18951), (26, 18954), (29, 18996), (30, 19008), (38, 19218), (41, 19305), (51, 19407), (53, 19446), (57, 19497), (59, 19542), (62, 19584), (68, 19611), (70, 19647), (71, 19698), (76, 19764), (78, 19791), (80, 19830), (81, 19854), (82, 19860),

Gene: Scamp_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Scamp_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Scout_26 Start: 17837, Stop: 19210, Start Num: 10

Candidate Starts for Scout_26:

(Start: 10 @17837 has 243 MA's), (12, 17915), (13, 17933), (16, 17963), (17, 17966), (18, 18035), (25, 18254), (26, 18257), (29, 18299), (30, 18311), (41, 18608), (48, 18689), (51, 18710), (57, 18800), (59, 18845), (62, 18887), (70, 18950), (71, 19001), (72, 19004), (76, 19067), (78, 19094), (80, 19133), (81, 19157), (82, 19163),

Gene: Severus_25 Start: 16524, Stop: 17891, Start Num: 10

Candidate Starts for Severus_25:

(Start: 10 @16524 has 243 MA's), (12, 16602), (13, 16620), (16, 16650), (17, 16653), (25, 16941), (28, 16983), (36, 17142), (40, 17289), (41, 17295), (46, 17349), (51, 17403), (52, 17439), (56, 17481), (57, 17487), (59, 17532), (64, 17577), (71, 17682), (76, 17748), (77, 17757), (78, 17775), (81, 17838), (82, 17844),

Gene: Shaka_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Shaka_26:

(4, 18349), (6, 18379), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: SheldonCooper_27 Start: 18802, Stop: 20142, Start Num: 10

Candidate Starts for SheldonCooper_27:

(4, 18661), (6, 18691), (7, 18700), (8, 18733), (Start: 10 @18802 has 243 MA's), (12, 18880), (13, 18898), (16, 18928), (22, 19147), (25, 19219), (29, 19264), (30, 19276), (36, 19420), (40, 19567), (41, 19573), (51, 19675), (53, 19714), (59, 19804), (75, 19987), (76, 19999), (81, 20089), (82, 20095), (83, 20134),

Gene: Shygu2_26 Start: 18480, Stop: 19820, Start Num: 9

Candidate Starts for Shygu2_26:

(Start: 9 @18480 has 21 MA's), (12, 18558), (13, 18576), (22, 18825), (24, 18849), (25, 18897), (29, 18942), (30, 18954), (33, 19044), (41, 19251), (51, 19353), (53, 19392), (59, 19482), (66, 19533), (67, 19542), (75, 19665), (76, 19677), (81, 19767), (83, 19812),

Gene: Skipitt_26 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for Skipitt_26:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (20, 18736), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (58, 19465), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: Snickers_28 Start: 18986, Stop: 20356, Start Num: 10

Candidate Starts for Snickers_28:

(Start: 10 @18986 has 243 MA's), (13, 19082), (15, 19106), (16, 19112), (23, 19337), (25, 19403), (30, 19460), (32, 19538), (38, 19670), (41, 19757), (53, 19898), (59, 19994), (62, 20036), (70, 20096), (73, 20168), (76, 20213), (80, 20279), (81, 20303), (82, 20309),

Gene: SoYo_28 Start: 18923, Stop: 20293, Start Num: 10

Candidate Starts for SoYo_28:

(Start: 10 @18923 has 243 MA's), (13, 19019), (15, 19043), (16, 19049), (23, 19274), (25, 19340), (30, 19397), (32, 19475), (38, 19607), (41, 19694), (47, 19769), (53, 19835), (59, 19931), (62, 19973), (70, 20033), (73, 20105), (76, 20150), (80, 20216), (81, 20240), (82, 20246),

Gene: SoilDragon_28 Start: 18700, Stop: 20070, Start Num: 10

Candidate Starts for SoilDragon_28:

(Start: 10 @18700 has 243 MA's), (13, 18796), (15, 18820), (16, 18826), (23, 19051), (25, 19117), (30, 19174), (32, 19252), (38, 19384), (41, 19471), (53, 19612), (59, 19708), (62, 19750), (70, 19810), (73, 19882), (76, 19927), (80, 19993), (81, 20017), (82, 20023),

Gene: Soshari_30 Start: 19095, Stop: 20465, Start Num: 10

Candidate Starts for Soshari_30:

(Start: 10 @19095 has 243 MA's), (13, 19191), (15, 19215), (16, 19221), (23, 19446), (25, 19512), (30, 19569), (32, 19647), (38, 19779), (41, 19866), (53, 20007), (59, 20103), (62, 20145), (70, 20205), (73, 20277), (76, 20322), (80, 20388), (81, 20412), (82, 20418),

Gene: Sparxx_26 Start: 18488, Stop: 19828, Start Num: 10

Candidate Starts for Sparxx_26:

(3, 18290), (4, 18347), (7, 18386), (8, 18419), (Start: 10 @18488 has 243 MA's), (11, 18500), (12, 18566), (13, 18584), (16, 18614), (20, 18737), (22, 18833), (25, 18905), (29, 18950), (30, 18962), (36, 19106), (41, 19259), (51, 19361), (53, 19400), (57, 19445), (59, 19490), (63, 19532), (75, 19673), (76, 19685), (81, 19775), (82, 19781), (83, 19820),

Gene: Spike509_28 Start: 19096, Stop: 20466, Start Num: 10

Candidate Starts for Spike509_28:

(Start: 10 @19096 has 243 MA's), (13, 19192), (15, 19216), (16, 19222), (23, 19447), (25, 19513), (30, 19570), (32, 19648), (38, 19780), (41, 19867), (53, 20008), (59, 20104), (62, 20146), (70, 20206), (73, 20278), (76, 20323), (80, 20389), (81, 20413), (82, 20419),

Gene: Spino_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Spino_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76,

19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Stagni_28 Start: 19014, Stop: 20384, Start Num: 10

Candidate Starts for Stagni_28:

(Start: 10 @19014 has 243 MA's), (13, 19110), (15, 19134), (16, 19140), (23, 19365), (25, 19431), (30, 19488), (32, 19566), (38, 19698), (41, 19785), (53, 19926), (59, 20022), (62, 20064), (70, 20124), (73, 20196), (76, 20241), (80, 20307), (81, 20331), (82, 20337),

Gene: Stasia_27 Start: 18928, Stop: 20268, Start Num: 9

Candidate Starts for Stasia_27:

(Start: 9 @18928 has 21 MA's), (12, 19006), (13, 19024), (16, 19054), (22, 19273), (24, 19297), (25, 19345), (29, 19390), (30, 19402), (41, 19699), (51, 19801), (53, 19840), (58, 19906), (59, 19930), (66, 19981), (67, 19990), (75, 20113), (76, 20125), (81, 20215), (82, 20221),

Gene: StepMih_28 Start: 19005, Stop: 20375, Start Num: 10

Candidate Starts for StepMih_28:

(Start: 10 @19005 has 243 MA's), (13, 19101), (15, 19125), (16, 19131), (23, 19356), (25, 19422), (30, 19479), (32, 19557), (38, 19689), (41, 19776), (53, 19917), (59, 20013), (62, 20055), (70, 20115), (73, 20187), (76, 20232), (80, 20298), (81, 20322), (82, 20328),

Gene: Stink_27 Start: 18769, Stop: 20109, Start Num: 9

Candidate Starts for Stink_27:

(Start: 9 @18769 has 21 MA's), (12, 18847), (13, 18865), (16, 18895), (22, 19114), (25, 19186), (29, 19231), (30, 19243), (36, 19387), (38, 19453), (41, 19540), (51, 19642), (53, 19681), (59, 19771), (66, 19822), (67, 19831), (75, 19954), (76, 19966), (81, 20056), (83, 20101),

Gene: TNguyen7_26 Start: 18504, Stop: 19877, Start Num: 10

Candidate Starts for TNguyen7_26:

(Start: 10 @18504 has 243 MA's), (12, 18582), (13, 18600), (16, 18630), (18, 18702), (25, 18921), (26, 18924), (29, 18966), (30, 18978), (38, 19188), (41, 19275), (51, 19377), (53, 19416), (57, 19467), (59, 19512), (62, 19554), (68, 19581), (70, 19617), (71, 19668), (76, 19734), (78, 19761), (80, 19800), (81, 19824), (82, 19830),

Gene: Taquarus_26 Start: 18493, Stop: 19833, Start Num: 10

Candidate Starts for Taquarus_26:

(3, 18295), (4, 18352), (7, 18391), (8, 18424), (Start: 10 @18493 has 243 MA's), (11, 18505), (12, 18571), (13, 18589), (16, 18619), (22, 18838), (25, 18910), (29, 18955), (30, 18967), (36, 19111), (41, 19264), (51, 19366), (53, 19405), (57, 19450), (58, 19471), (59, 19495), (63, 19537), (75, 19678), (76, 19690), (81, 19780), (82, 19786), (83, 19825),

Gene: Taurus_28 Start: 19011, Stop: 20381, Start Num: 10

Candidate Starts for Taurus_28:

(Start: 10 @19011 has 243 MA's), (13, 19107), (15, 19131), (16, 19137), (23, 19362), (25, 19428), (30, 19485), (32, 19563), (38, 19695), (41, 19782), (53, 19923), (59, 20019), (62, 20061), (70, 20121), (73, 20193), (76, 20238), (80, 20304), (81, 20328), (82, 20334),

Gene: Texage_26 Start: 19086, Stop: 20459, Start Num: 10

Candidate Starts for Texage_26:

(Start: 10 @19086 has 243 MA's), (12, 19164), (13, 19182), (15, 19206), (17, 19215), (19, 19293), (25, 19503), (26, 19506), (29, 19548), (30, 19560), (32, 19638), (41, 19857), (51, 19959), (57, 20049), (59, 20094), (62, 20136), (70, 20199), (71, 20250), (76, 20316), (78, 20343), (80, 20382), (81, 20406), (82, 20412),

Gene: Thanksgivukkah_26 Start: 18494, Stop: 19834, Start Num: 10

Candidate Starts for Thanksgivukkah_26:

(3, 18296), (4, 18353), (7, 18392), (8, 18425), (Start: 10 @18494 has 243 MA's), (11, 18506), (12, 18572), (13, 18590), (16, 18620), (20, 18743), (22, 18839), (25, 18911), (29, 18956), (30, 18968), (36, 19112), (39, 19202), (41, 19265), (51, 19367), (53, 19406), (57, 19451), (58, 19472), (59, 19496), (63, 19538), (75, 19679), (76, 19691), (81, 19781), (82, 19787), (83, 19826),

Gene: Tiffany_28 Start: 18906, Stop: 20276, Start Num: 10

Candidate Starts for Tiffany_28:

(Start: 10 @18906 has 243 MA's), (13, 19002), (15, 19026), (16, 19032), (23, 19257), (25, 19323), (30, 19380), (32, 19458), (38, 19590), (41, 19677), (53, 19818), (59, 19914), (62, 19956), (70, 20016), (73, 20088), (76, 20133), (80, 20199), (81, 20223), (82, 20229),

Gene: TinaFeyge_26 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for TinaFeyge_26:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (20, 18736), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (58, 19465), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: Tinybot_25 Start: 18467, Stop: 19807, Start Num: 10

Candidate Starts for Tinybot_25:

(4, 18326), (6, 18356), (7, 18365), (8, 18398), (Start: 10 @18467 has 243 MA's), (12, 18545), (13, 18563), (16, 18593), (22, 18812), (25, 18884), (29, 18929), (36, 19085), (40, 19232), (41, 19238), (51, 19340), (53, 19379), (59, 19469), (75, 19652), (76, 19664), (81, 19754), (83, 19799),

Gene: TiroTheta9_26 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for TiroTheta9_26:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (20, 18736), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (58, 19465), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: Todacoro_27 Start: 19085, Stop: 20458, Start Num: 10

Candidate Starts for Todacoro_27:

(Start: 10 @19085 has 243 MA's), (12, 19163), (13, 19181), (15, 19205), (17, 19214), (19, 19292), (25, 19502), (26, 19505), (29, 19547), (30, 19559), (32, 19637), (41, 19856), (51, 19958), (57, 20048), (59, 20093), (62, 20135), (70, 20198), (71, 20249), (76, 20315), (78, 20342), (80, 20381), (81, 20405), (82, 20411),

Gene: Topanga_26 Start: 18563, Stop: 19927, Start Num: 10

Candidate Starts for Topanga_26:

(7, 18461), (Start: 10 @18563 has 243 MA's), (12, 18641), (13, 18659), (16, 18689), (17, 18692), (19, 18770), (21, 18902), (25, 18980), (28, 19022), (31, 19100), (41, 19334), (46, 19388), (51, 19439), (57, 19523), (59, 19568), (63, 19610), (66, 19619), (71, 19718), (76, 19784), (81, 19874), (82, 19880),

Gene: Trike_24 Start: 16532, Stop: 17899, Start Num: 10

Candidate Starts for Trike_24:

(Start: 10 @16532 has 243 MA's), (12, 16610), (13, 16628), (16, 16658), (17, 16661), (25, 16949), (28, 16991), (40, 17297), (41, 17303), (46, 17357), (51, 17411), (52, 17447), (56, 17489), (57, 17495), (59, 17540), (64, 17585), (71, 17690), (76, 17756), (77, 17765), (78, 17783), (81, 17846), (82, 17852),

Gene: TroyPia_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for TroyPia_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Twister_26 Start: 18462, Stop: 19823, Start Num: 10

Candidate Starts for Twister_26:

(7, 18360), (Start: 10 @18462 has 243 MA's), (12, 18540), (13, 18558), (16, 18588), (17, 18591), (19, 18669), (21, 18801), (25, 18879), (28, 18921), (31, 18999), (41, 19233), (45, 19278), (46, 19287), (47, 19308), (51, 19335), (57, 19419), (59, 19464), (61, 19491), (71, 19614), (76, 19680), (81, 19770), (82, 19776),

Gene: TygerBlood_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for TygerBlood_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Ulysses_25 Start: 18211, Stop: 19551, Start Num: 10

Candidate Starts for Ulysses_25:

(3, 18013), (4, 18070), (7, 18109), (8, 18142), (Start: 10 @18211 has 243 MA's), (11, 18223), (12, 18289), (13, 18307), (16, 18337), (22, 18556), (25, 18628), (29, 18673), (30, 18685), (36, 18829), (41, 18982), (51, 19084), (53, 19123), (57, 19168), (59, 19213), (63, 19255), (75, 19396), (76, 19408), (81, 19498), (82, 19504), (83, 19543),

Gene: Veracruz_26 Start: 19085, Stop: 20458, Start Num: 10

Candidate Starts for Veracruz_26:

(Start: 10 @19085 has 243 MA's), (12, 19163), (13, 19181), (15, 19205), (17, 19214), (19, 19292), (25, 19502), (26, 19505), (29, 19547), (30, 19559), (32, 19637), (41, 19856), (51, 19958), (57, 20048), (59, 20093), (62, 20135), (70, 20198), (71, 20249), (76, 20315), (78, 20342), (80, 20381), (81, 20405), (82, 20411),

Gene: Vix_28 Start: 19094, Stop: 20464, Start Num: 10

Candidate Starts for Vix_28:

(Start: 10 @19094 has 243 MA's), (13, 19190), (15, 19214), (16, 19220), (23, 19445), (25, 19511), (30, 19568), (32, 19646), (38, 19778), (41, 19865), (53, 20006), (59, 20102), (62, 20144), (70, 20204), (73, 20276), (76, 20321), (80, 20387), (81, 20411), (82, 20417),

Gene: WalterMcMickey_26 Start: 18462, Stop: 19823, Start Num: 10

Candidate Starts for WalterMcMickey_26:

(7, 18360), (Start: 10 @18462 has 243 MA's), (12, 18540), (13, 18558), (16, 18588), (17, 18591), (19, 18669), (21, 18801), (25, 18879), (28, 18921), (31, 18999), (41, 19233), (45, 19278), (46, 19287), (47, 19308), (51, 19335), (57, 19419), (59, 19464), (61, 19491), (71, 19614), (76, 19680), (81, 19770), (82, 19776),

Gene: Wander_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Wander_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (20, 18739), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Watson_28 Start: 19004, Stop: 20374, Start Num: 10

Candidate Starts for Watson_28:

(Start: 10 @19004 has 243 MA's), (13, 19100), (15, 19124), (16, 19130), (23, 19355), (25, 19421), (30, 19478), (32, 19556), (38, 19688), (41, 19775), (53, 19916), (59, 20012), (62, 20054), (70, 20114), (73, 20186), (76, 20231), (80, 20297), (81, 20321), (82, 20327),

Gene: Wilbur_26 Start: 18490, Stop: 19830, Start Num: 10

Candidate Starts for Wilbur_26:

(3, 18292), (4, 18349), (7, 18388), (8, 18421), (Start: 10 @18490 has 243 MA's), (11, 18502), (12, 18568), (13, 18586), (16, 18616), (22, 18835), (25, 18907), (29, 18952), (30, 18964), (36, 19108), (41, 19261), (51, 19363), (53, 19402), (57, 19447), (58, 19468), (59, 19492), (63, 19534), (75, 19675), (76, 19687), (81, 19777), (82, 19783), (83, 19822),

Gene: Wile_26 Start: 18496, Stop: 19839, Start Num: 9

Candidate Starts for Wile_26:

(Start: 9 @18496 has 21 MA's), (12, 18574), (13, 18592), (16, 18622), (22, 18841), (24, 18865), (25, 18913), (29, 18958), (30, 18970), (33, 19060), (34, 19087), (41, 19267), (51, 19372), (53, 19411), (59, 19501), (66, 19552), (67, 19561), (75, 19684), (76, 19696), (81, 19786), (83, 19831),

Gene: Wizard007_26 Start: 18492, Stop: 19832, Start Num: 10

Candidate Starts for Wizard007_26:

(3, 18294), (4, 18351), (5, 18369), (7, 18390), (8, 18423), (Start: 10 @18492 has 243 MA's), (11, 18504), (12, 18570), (13, 18588), (16, 18618), (20, 18741), (22, 18837), (25, 18909), (29, 18954), (30, 18966), (36, 19110), (41, 19263), (51, 19365), (53, 19404), (57, 19449), (58, 19470), (59, 19494), (63, 19536), (75, 19677), (76, 19689), (81, 19779), (82, 19785), (83, 19824),

Gene: Wooldri_30 Start: 18923, Stop: 20293, Start Num: 10

Candidate Starts for Wooldri_30:

(Start: 10 @18923 has 243 MA's), (13, 19019), (15, 19043), (16, 19049), (23, 19274), (25, 19340), (30, 19397), (32, 19475), (38, 19607), (41, 19694), (53, 19835), (59, 19931), (62, 19973), (70, 20033), (73, 20105), (76, 20150), (80, 20216), (81, 20240), (82, 20246),

Gene: Xena_26 Start: 18483, Stop: 19826, Start Num: 9

Candidate Starts for Xena_26:

(Start: 9 @18483 has 21 MA's), (12, 18561), (13, 18579), (16, 18609), (22, 18828), (24, 18852), (25, 18900), (29, 18945), (30, 18957), (33, 19047), (34, 19074), (41, 19254), (51, 19359), (53, 19398), (59, 19488), (66, 19539), (67, 19548), (75, 19671), (76, 19683), (81, 19773), (83, 19818),

Gene: YoSam321_26 Start: 18487, Stop: 19827, Start Num: 10

Candidate Starts for YoSam321_26:

(3, 18289), (4, 18346), (7, 18385), (8, 18418), (Start: 10 @18487 has 243 MA's), (11, 18499), (12, 18565), (13, 18583), (16, 18613), (20, 18736), (22, 18832), (25, 18904), (29, 18949), (30, 18961), (36, 19105), (41, 19258), (51, 19360), (53, 19399), (57, 19444), (58, 19465), (59, 19489), (63, 19531), (75, 19672), (76, 19684), (81, 19774), (82, 19780), (83, 19819),

Gene: Zetzy_27 Start: 18546, Stop: 19916, Start Num: 10

Candidate Starts for Zetzy_27:

(Start: 10 @18546 has 243 MA's), (13, 18642), (15, 18666), (16, 18672), (19, 18753), (23, 18897), (25, 18963), (30, 19020), (32, 19098), (38, 19230), (41, 19317), (53, 19458), (59, 19554), (62, 19596), (70, 19656), (73, 19728), (76, 19773), (80, 19839), (81, 19863), (82, 19869),